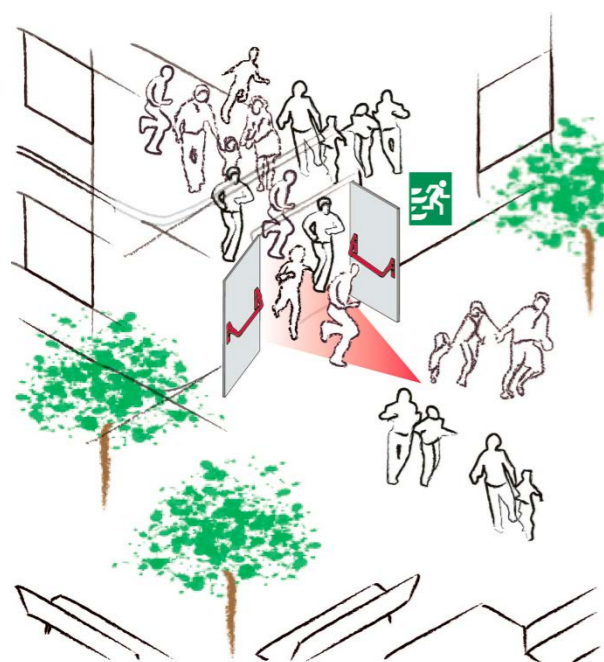# EUROPEAN&ANSI PANIC DEVICE

Single door panic device diagram

Double door panic device diagram

Introduction to Escape device
EN1125:1997- Emergency escape push rod lock

This standard includes product type, level of use, number of tests, door weight, corrosion resistance, product performance requirements, testing instruments, testing methods and product identification. ICONS and supplementary instructions are also attached to this standard.

Range
The main purpose of the glossary is for the easy use of emergency escape locks

level
This standard USES nine-digit coding, and each digit represents the performance achieved after testing against this standard

First code - level of use
There's only one level
Level 3: High utilization rate and high misoperation rate

Second code - number of use
There are two levels for European standards and two levels for American standards
Level 6:100,000 reps Level 6: million reps
Level 7:200,000 times level 7:2 million times

Third bit code - check gate weight
There are two levels
Level 5: Maximum 100kg
Level 6: Maximum 200kg

Fourth code - Fire resistance
There are two levels
Level 0: Not applicable to fire doors
Level 1: Applicable to fire doors. All fittings on fire doors must have been fire tested

Fifth bit code- Security
All emergency escape systems must be secure
There is only one level: level 1

Sixth code - corrosion resistance
According to The European standard EN 1670 the two grades are as follows:
Level 3: High corrosion resistance
Level 4: Ultra-high corrosion resistance

Seventh code - security
Only one level is specified
Level 2: Intermediate anti-theft, the emergency escape door is mainly open from the inside out,
Security is more important than security

Eighth code - mounting dimensions
According to the distance from the door surface, there are two levels as follows:
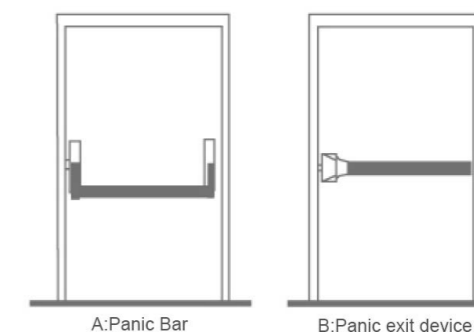Level 1: The maximum distance between the push rod and the door is 150mm(standard distance)
Level 2: The maximum distance between the push rod and the door is 100mm (narrow distance)

Ninth digit code - putter type
There are two similar types as follows:
Class A: Panic bar, as shown in the figure
Class B: Panic exit device, as shown in the figure

A:Panic Bar   B:Panic exit device

Configuration of fire doors
The emergency escape device installed on the fire door must pass the fire test to prove that the entire fire door fully meets the fire requirements

specification
According to the use and occupancy rate of the building, it is necessary to determine whether the emergency escape device conforming to this standard should be installed. In public buildings, public entertainment places, shopping malls and public places where most people have no escape knowledge, it is necessary to install the emergency escape device that is easy to operate and easy to find. See EN1125 for details.

For safety reasons, the Type A pressure bar cannot be longer than the two ends, which means that for tone-tone-to-tone-to-door, the traditional English "double escape bolt" cannot be used. If you want to use it, there is only one way to solve this problem, that is, the single escape bolt is installed with the passive door fan, and the escape wind tongue is installed on the active door fan.

Level 2 emergency escape devices should be installed in areas with limited width or door switch Angle less than 90 .

The escape lever shall have sufficient installation length, not less than 50 of the width of the door
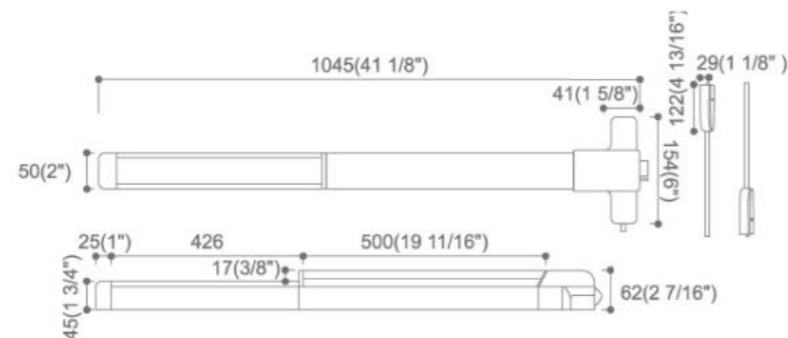
PD6810

PD6820

PD6800
Push Bar Panic Exit Device

- Material: 304stainless steel
- Mounting: DIN left and DIN right
- Feature: Corrosion resistance-240hrs salt pray test
- Door Width: Suitable for doors up to 1400mm wide
- Application: For rebated or flush, single or double doors made from wood or steel
- Option: Can be used with rim cylinder fitted to the outside of the door
- Agency Certification: In compliance with ANSI-A156.3 Grade 1 and EN 1125, passed 1.5h fire modality test according to the requirement of China GB12955-2008

Parameter Configuration		PD6810 Rim device	PD6820 Surface rod device
Locking mode		Single switch	Dual switch
Door width	≥ 520mm ≤ 670mm	○	○
	≥ 670mm	●	●
Door height	≤ 2100mm	●	●
	≥ 2100mm	●	○
Max door weight		200	200
Apply to left door and right door		●	●
Normally open status		○	○
Lock tongue pick-proof		●	●
Emergency door, fire door, smoke door		●	●
Accessible outside lock	CPH-337,CHP-325+	○	○
	CY201,L681-06	○	○
	681-01,L681-02	○	○
Door thickness	45-50mm	●	●
	>50mm	○	○
UL and CE certified		●	●
China fire rated standard		●	●
Material		304	
Finish	Stainless steel	Stain/polished stainless steel/PVD golden	
	Iron painting	Silver/black/white/green	

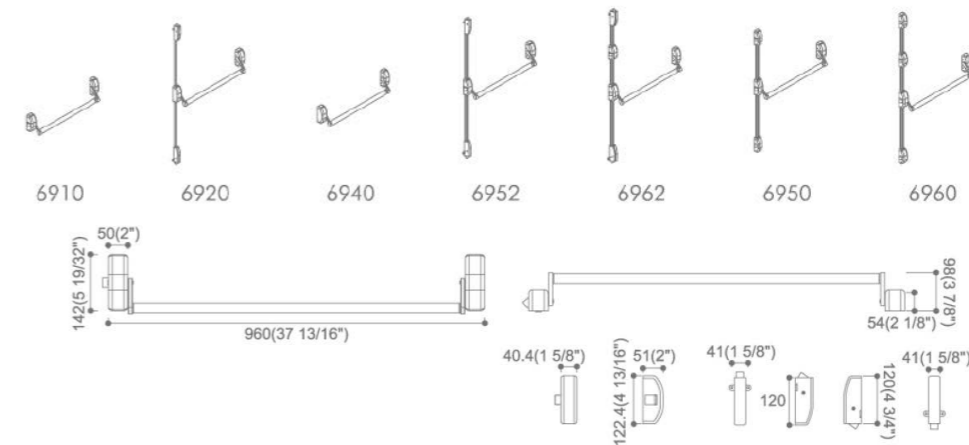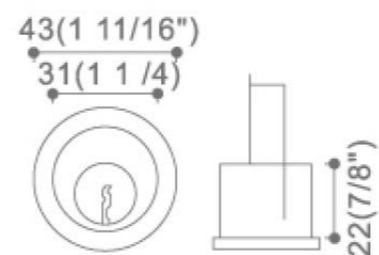● = Standard configuration   ○ = Optional configuration

---

PD6900
Cross Bar Panic Exit Device

- Material: 304stainless steel
- Mounting: DIN left and DIN right
- Feature: Corrosion resistance-240hrs salt pray test
- Door Width: Suitable for doors minimum 520mm wide
- Option: Can be used with rim cylinder fitted to the outside of the door
- Application: 3 or 4 point locking option for rebated or flush, single or double doors made from wood or steel
- Agency Certification: In compliance with ANSI-A156.3 Grade 1 and EN 1125, passed 1.5h fire modality test according to the requirement of China GB30051-2013

Parameter configuration		6910	6920	6940	6952	6962	6950	6960
Locking mode		1	2	1	3	4	3	4
Door width	≤ 1320mm	○	○	○	○	○	○	○
Door height	≤ 2100mm	●	●	●	●	●	●	●
	≥ 2100mm	●	●	○	○	○	○	○
Max door weight(KG)		200	200	200	200	200	200	200
Apply to left door and right door		—	—	—	—	—	—	—
Normally open statues		○	○	○	○	○	○	○
Whether fire doors are suitable		●	●	●	●	●	●	●
Accessible outside lock	CPH-337,CHP-325+	○	○	○	○	○	○	○
	CY201,L681-06	○	○	○	○	○	○	○
	681-01,L681-02	○	○	○	○	○	○	○
Door thickness	45-50mm	●	●	●	●	●	●	●
	50mm<	○	○	○	○	○	○	○
China fire rated standard		●	●	●	●	●	●	●
Material		304						
Finish	Stainless steel	Satin/polished sainless steel/PVD golden						
	Iron painting	Silver/black/white/green						

● = Standard configuration   ○ = Optional configuration

6910   6920   6940   6952   6962   6950   6960

LOCKVEL 洛科韦尔

LOCKVEL 洛科韦尔

CPH-325

CY-201
Rim Cylinder

CY-201

- Material: Zinc alloy
- Feature: For use with PV6800 and 6900
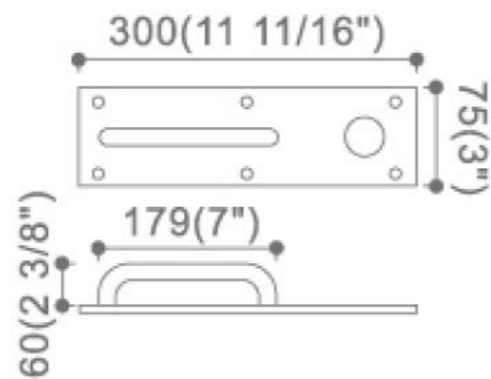
43(1 11/16")
31(1 1/4")
22(7/8")

CPH-326

CY-337

CPH-337
Pull Handle Rose for ANSI Cylinder

- Material: 304Stainteel Stell
- Application: For Locking cylinder,suitable for pipeline doors,fire doors and invisible door

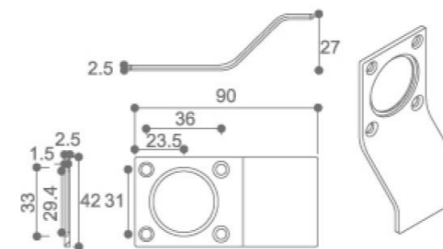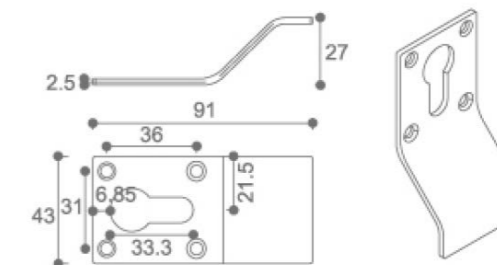300(11 11/16")
75(3")
179(7")
60(2 3/8")

CPH-325
Pull Handle Rose For ANSI Cylinder（Round hole）

- Material: 304stainless steel
- Installation: For screw finxing
- Application: For Locking cylinder,suitable for pipeline doors，fire doors and invisible doors

2.5   27
90
36
23.5
2.5
1.5
33   29.4   42 31

CPH-326
Pull Handle Rose For ANSI Cylinder(Gourd hole)

- Material: 304stainless steel
- Installation: For screw finxing
- Application: For Locking cylinder,suitable for pipeline doors，fire doors and invisible doors
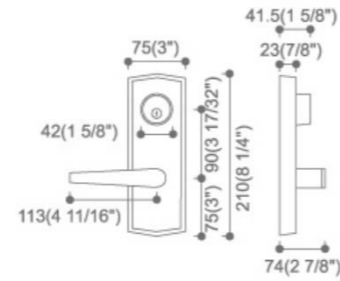
2.5   27
91
36
21.5
2.5
6.85
43 31
33.3

LOCKVEL

LA682-06

LA682-06
Lever Escutcheon Trim

■ Material: 304stainless steel
■ Door Thickness: 45-50mm
■ Cylinder: 1 1/8" Mortise cylinder with std.
  cam (included) – 6 Pin Brass, C Kwy, with 2 Keys
■ Feature: Heavy Duty trim option for use with all exit devices,
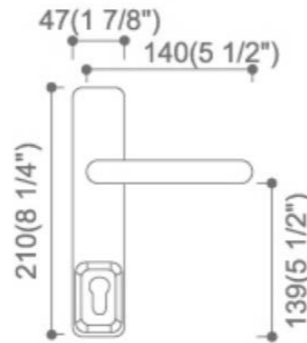 thru bolted design thru bolts to head of exit device,non-handed

41.5(1 5/8")
75(3")   23(7/8")
42(1 5/8")   90(3 17/32")
113(4 11/16")   75(3")   210(8 1/4")
74(2 7/8")

L682-01

L682-01
Lever Variant

■ Material: 304stainless steel
■ Feature: Supplied with euro-profile cylinder as standard,
  cylinders can be keyed-alike or master-keyed,Non handed
■ Installation: Clearly illustrated instructions and
  template enabling accurate installation
■ Application: Designed to suite with all devices，
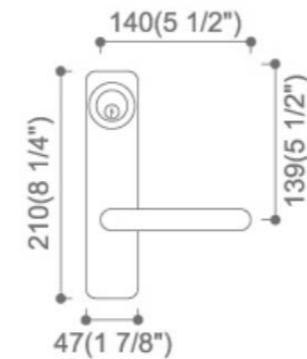 fixings supplied are suitable for timber & metal doorsets

47(1 7/8")
140(5 1/2")
210(8 1/4")   139(5 1/2")

LA682-01

LA682-01
Lever Escutcheon Trim

■ Material: 304stainless steel
■ Door Thickness: 45-50mm
■ Cylinder: 1 1/8" Mortise cylinder with std. cam
  (included) – 6 Pin Brass, C Kwy, with 2 Keys
■ Feature: Heavy Duty trim option for use with all series exit device
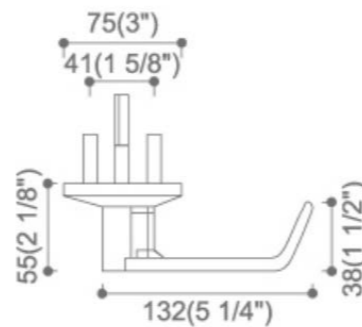 thru bolted design thru bolts to head of exit device,non-handed

140(5 1/2")
210(8 1/4")   139(5 1/2")
47(1 7/8")

L681-06

L681-06
Key In Lever Trim

■ Material: 304stainless steel
■ Door Thickness: 45-50mm
■ Feature: Supplied with euro-profile cylinder as standard,
  cylinders can be keyed-alike or master-keyed
■ Installation: Clearly illustrated instructions
  and template enabling accurate installation
■ Application: Designed to suite with all devices,
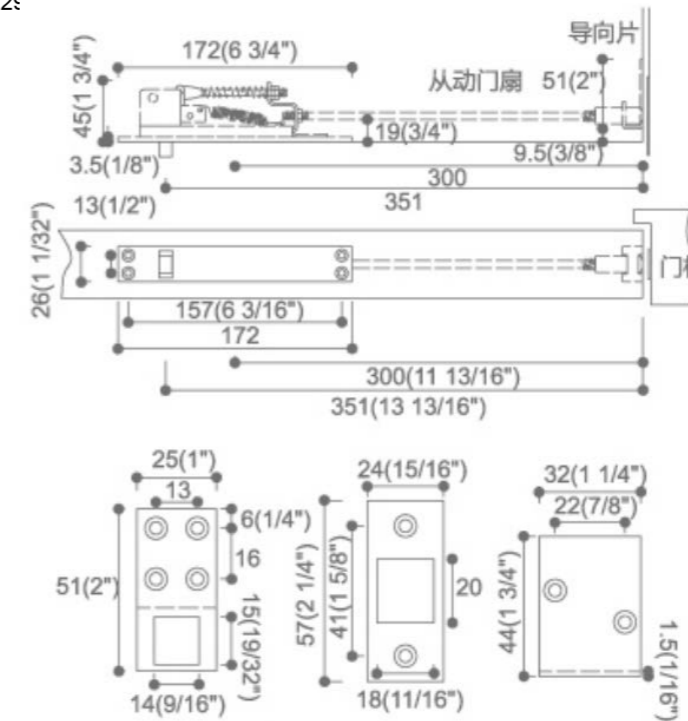 fixings supplied are suitable for timber & metal doorsets

75(3")
41(1 5/8")
55(2 1/8")   38(1 1/2")
132(5 1/4")

F

AFB-31
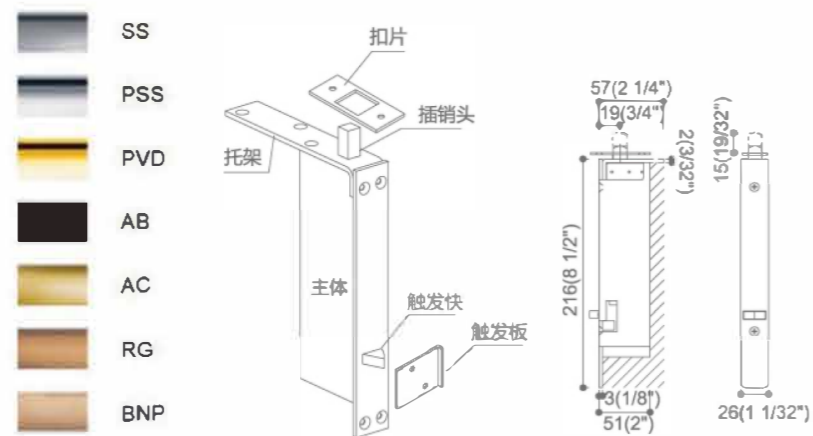**Steel door automatic hidden bolt**

■ Material: 304stainless steel
■ Feature: Active door closed, bolt outstretched
■ Appplication: Steel double door or unequal double door, automatically fixed, do not
  need distinguish left or right
■ Agency certification: pass 90minutes grade A fire proof test required by
  GB12955-2008

导向片
45(1 3/4")   172(6 3/4")   从动门扇   51(2")
19(3/4")
3.5(1/8")   9.5(3/8")
300
13(1/2")   351
26(1 1/32")   门框
157(6 3/16")
172
300(11 13/16")
351(13 13/16")

25(1")
13   24(15/16")   32(1 1/4")
51(2")   6(1/4")   22(7/8")
16   41(1 5/8")
57(2 1/4")   20   44(1 3/4")
15(19/32")
14(9/16")   18(11/16")   1.5(1/16")

F

AFB-32
Wooden automatic hidden bolt

- Material: 304stainless steel
- Finish: 630 (U32D) Satin
- Feature: Active door closed, bolt outstretched
- Application: wood double door or unequal double door, automatically fixed, do not need distinguish left or right
- Agency certification: pass 90minutes grade A fire proof test required by GB12955-2008
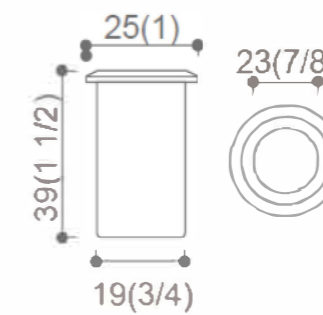

SS	
PSS	
PVD	
AB	
AC	
RG	
BNP	

DPS-03
ANSI Floor Socket

- Material: 304 stainless steel
- Finish: 630 (U32D) Satin
- Version: Bolt aperture up to 19mm(3/4") spring force suits semi automatic/fully automatic flush bolts
- Application: For flush bolts as alternative to striking plate prevents dirt settling in the bolt aperture
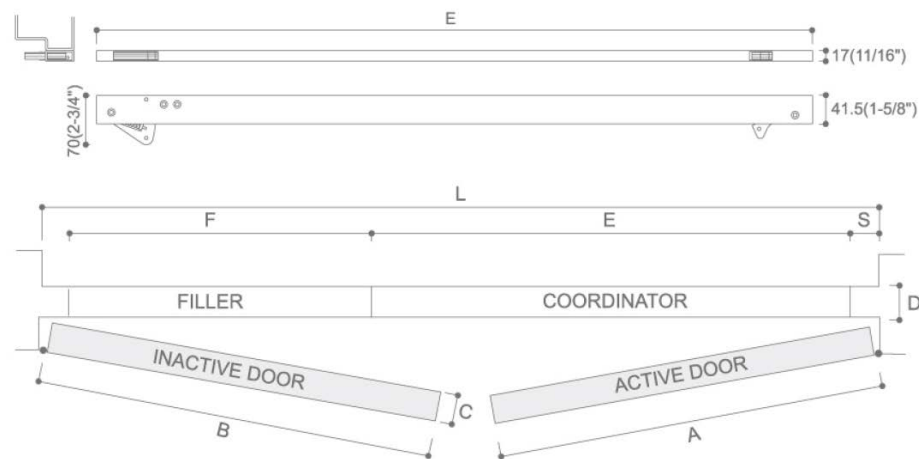
LOCKVEL
洛维尔

F

COR-C
ANSI Door Coordinator

- Material: 304 stainless steel
- Feature: Mounted to the bottom of the door frame, provides a smooth and tamper-proof means of controlling the closing of a pair of doors, equipped with an over-ride feature to prevent damage to doors and hinges
- Opening Width: 21" (864 mm) to 132" (3353 mm)
- Application: For controlling the closing sequence of a pair of doors
- Agency certification: Conform to ANSI/BHMA 156.3,pass 90 minutes of grade A Fire Prevention Detection required by GB12955-2008

Coordinator length	Door width	Usually applied to	Model	Remark
E (mm)	L (mm)			
32" (813 mm)	32" -52"(864 -1321mm)	1200mm双门(Pair of 2'0" doors)	COR-C-32	In general, the length of the coordinator should be equal to half of the width of the active door plus the width of the driven door, with the rest of the gap to be filled by a filler bar.
42" (1067mm)	52" -72"(1321 -1829mm)	1500mm双门(Pair of 2'6" doors)	COR-C-42	
52" (1321mm)	62" -92"(1575 -2337mm)	1800mm双门(Pair of 3'0" doors)	COR-C-52	
60" (1524mm)	70" -108"(1778 -2743mm)	2100mm双门(Pair of 3'6" doors)	COR-C-60	
72" (1829mm)	84" -132"(2134 -3353mm)	2400mm双门(Pair of 4'0" doors)	COR-C-72	

ELECTRONIC
LOCK
电锁