

GENERAL HINGE INFORMATION

Special Situation Products

- “CE” Concealed electric hinges conduct current regardless of door position to electric locks, exit devices, or hold open devices where tamper-proof hinge is required. Also to transmit signals from code readers on doors to remote computers for access control
- No electrical parts are exposed when hinge is installed
- Permanent fast pin
- Hinges should be installed in the center hinge location
- Not available as swing clear or raised barrel
- Hinges may be equipped with both concealed wires and concealed switches. When both are desired on the same hinge use prefix “CECS”
- Packed one per box with all machine screws and installation instructions
- When ordering specify class number, size, finish and number of wires, Suffix -54 for 4 wires, 56 for 6 wires -66 for 6 wires (2@24AWG, 4@28AWG), 58 for 8 wires or 10 for 10 wires -18 for 8 wires (2@18AWG, 6@28AWG)
- Should be used along with a junction box
- Can be furnished with hospital tips

CECB179
CECB168
CECB191
CECB199
 5-Knuckle
 Concealed
 Bearings



CEFBB179
CEFBB168
CEFBB191
CEFBB199
 5-Knuckle
 Exposed
 Bearings



CECB1900R
CECB1901R
CECB1960R
CECB1961R
 3-Knuckle
 Concealed
 Bearings



Not
 Handed



Not
 Handed



Handed
 Specify
 RH or LH



Electrical Ratings for -54-56-58-10-66 Models

Suffix	# Wires	Wire Gage	Volts (AC or DC)
			6, 12, 24 Current
-54	4	28AWG	1 amp/wire
-56	6	28AWG	.7 amp/wire
-58	8	28AWG	.5 amp/wire
-10	10	28AWG	.4 amp/wire
-66*	6	2@24AWG 4@28AWG	2 amp/wire 1 amp/wire

Inrush 15A for .05 second/wire
 “CE” hinges are listed by UL at these ratings
 * Not available in FBB168 and FBB199

Class Number

Class Number	Sizes Available
CB179, FBB179, CB1900R	4 1/2" x 4" (114mm x 102mm)
CB168, FBB168, CB1901R	4 1/2" x 4 1/2" (114mm x 114mm)
CB191, FBB191, CB1960R	5" x 4" (127mm x 102mm)
CB199, FBB199, CB1961R	5" x 4 1/2" (127mm x 114mm)
	5" x 5" (127mm x 127mm)
	6" x 4 1/2" (152mm x 114mm)
	6" x 5" * (152mm x 127mm)
	6" x 6" * (152mm x 152mm)

* Not available in CB191, FBB191, CB1900R and CB1960R

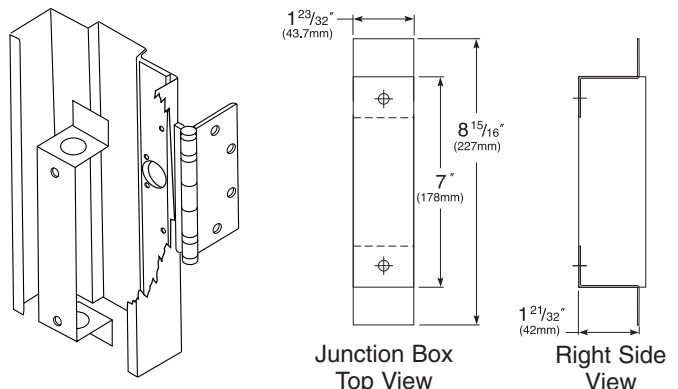
Electrical Ratings for -18 Model

Suffix	# Wires	Wire Gage	Volts (AC or DC)
			6, 12, 24 Current
-18*	8	2@18AWG 6@28AWG	10 amp/wire .7 amp/wire

Inrush 20A for 4 seconds/wire “CE” hinges are listed by UL at these ratings.
 * Available in CB179, CB168, CB191, CB199 only in 4 1/2" x 4", 4 1/2" x 4 1/2", 5" x 4 1/2". For other sizes consult factory

JB2R – Junction Box

- Note: Install in middle hinge location
- Can be shop welded or field installed - before frames are set
- Fits either 4 1/2" (114mm) or 5" (127mm) size hinges

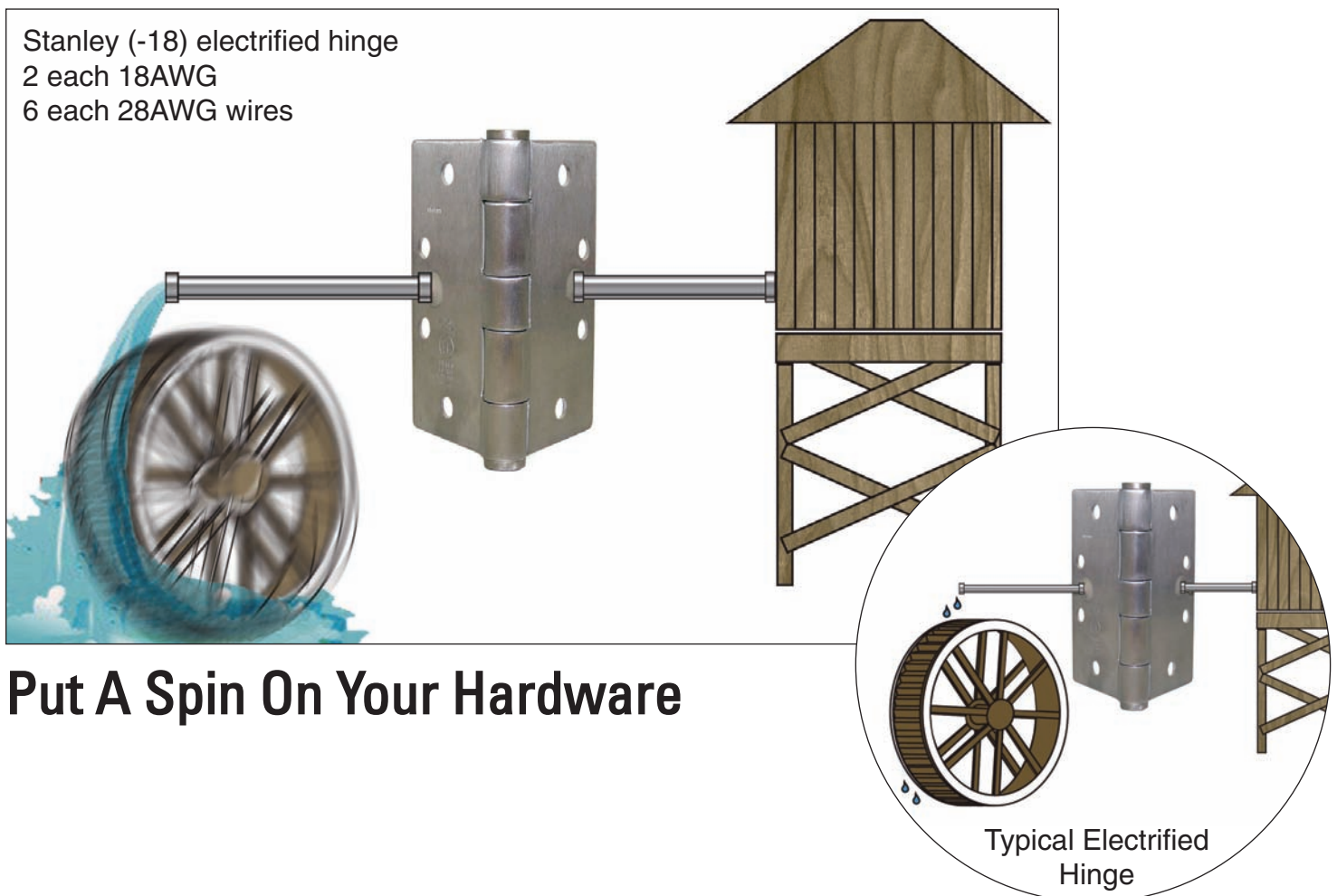


Best Electrified Hinge Anywhere?

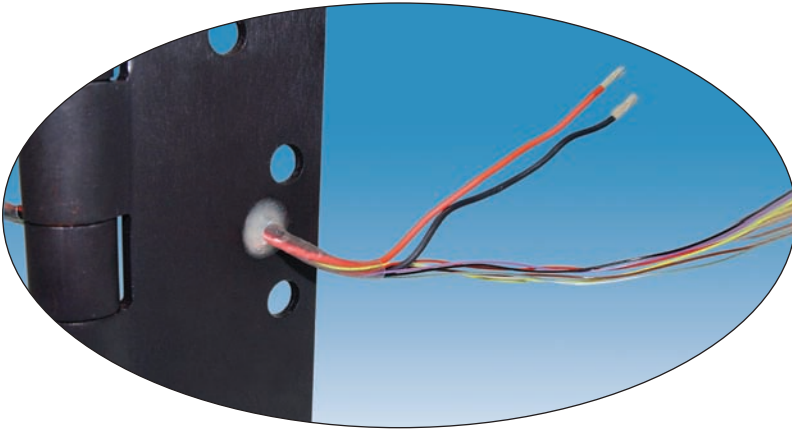


Introducing 18AWG (-18) concealed electric (CE) option on Stanley's flagship 5 knuckle concealed bearing (CB) hinges.

- Highest amperage rating in the industry.
- Designed and fabricated to Stanley's high standards, a solution for demanding loads such as exit devices with electric latch retraction (ELR), requiring greater than average power draw.
- Each hinge is factory tested before shipping.
- Two 18 AWG stranded silver plated copper conductors.
- High reliability extruded TFE Teflon insulation suitable for harsh environments characterized by extreme thermal or chemical conditions. Some TFE Teflon applications include military harnessing and medical electronics.
- RoHS compliant.
- Colored insulation jacket assures proper circuit hookup.
- Conforms to ANSI/BHMA A156.1 Standard.
- UL listed.
- Conducts electricity regardless of door position.
- Pins are press-fitted in from both ends, rendering them non removable.
- Not handed.



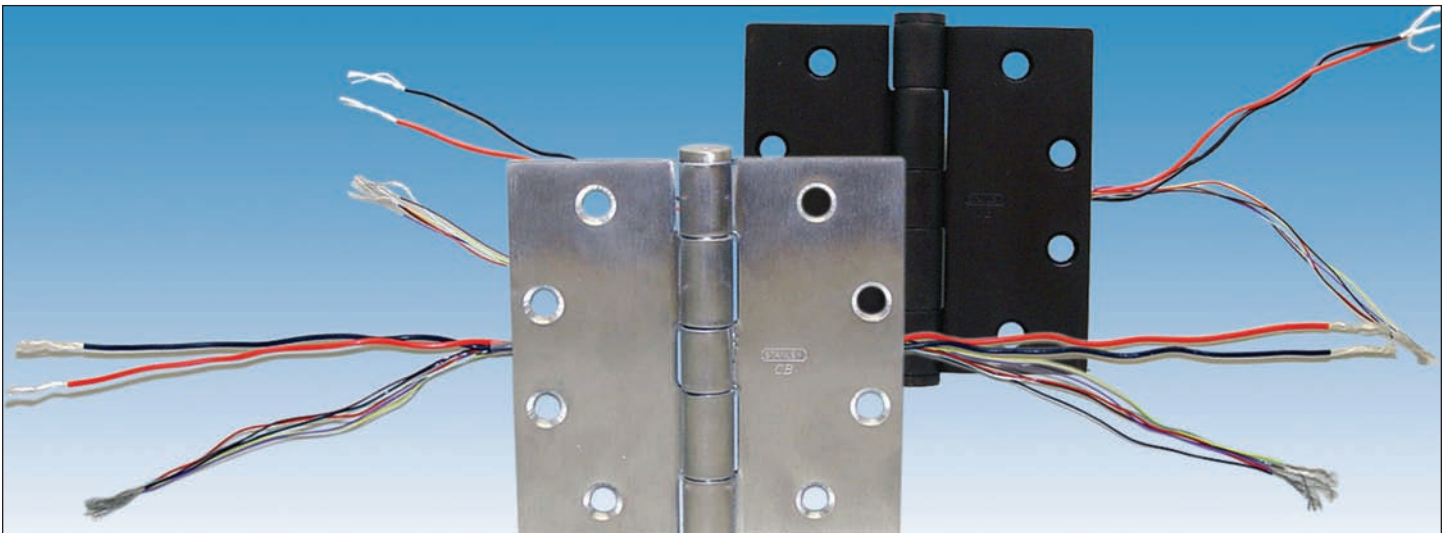
Put A Spin On Your Hardware



Close-up of the precision assembled wire cluster

Electrical Ratings for -18 Model			
Suffix	# Wires	Wire Gage	Volts (AC or DC)
			6, 12, 24
			Current
-18*	8	2@18AWG 6@28AWG	10 amp/wire .7 amp/wire

Installation instructions and templates are available on stanleycommercialhardware.com



Shown in 32D (630) and 10B (613) Finishes

Ordering Information

CLASS NUMBER, SIZE, AND FINISH	EDP NUMBER	Gauge of Metal	Stock Item	Number of Hinges Per Box	Number of Hinges Per Carton	Carton Weight
CECB168-18 4.5"x4.5" (114mm x 114 mm) 26D	839233	.180" (4.6mm)	Yes	1	5	8.8 Lb. (4kg)
CECB168-18 5"x4.5" (127mm x 114 mm) 26D	839241	.190" (4.8mm)	Yes	1	5	10.3 Lb. (4.7kg)
CECB179-18 4.5"x4.5" (114mm x 114 mm) 26D	839217	.134" (3.4mm)	Yes	1	5	6.9 Lb.(3.1kg)
CECB179-18 5"x4.5" (127mm x 114 mm) 26D	839225	.146" (3.7mm)	Yes	1	5	8.2 Lb. (3.8kg)
CECB191-18 4.5"x4.5" (114mm x 114 mm) 32D	839258	.134" (3.4mm)	Yes	1	5	6.9 Lb.(3.1kg)
CECB191-18 5"x4.5" (127mm x 114 mm) 32D	839266	.146" (3.7mm)	Yes	1	5	8.2 Lb. (3.8kg)
CECB199-18 4.5"x4.5" (114mm x 114 mm) 32D	839274	.180" (4.6mm)	Yes	1	5	6.9 Lb.(3.1kg)
CECB199-18 5"x4.5" (127mm x 114 mm) 32D	839282	.190" (4.8mm)	Yes	1	5	10.3 Lb. (4.7kg)

Product is available in 5 knuckle CB design in steel, stainless steel, brass and bronze base metals. It can be furnished in any architectural finish. For sizes not listed in above table please consult factory.

The product that we are thrilled to introduce to you comes from a company with 166 years industry experience and is staffed to support all your hardware and security needs. Yes, this hardware is exceptional, but the main factor that we are proud of is that we are in a position to bring you a solution to suit your demanding applications.

Stanley Security Solutions, Inc.

6161 E. 75th Street Indianapolis, Indiana 46250
www.stanleysecuritysolutions.com

B-352 R809PP

Electric Power Transfer Methods

GOOD

Loop



- Least expensive
- Easy to install
- Insecure

BETTER

EPT (Electric Power Transfer)

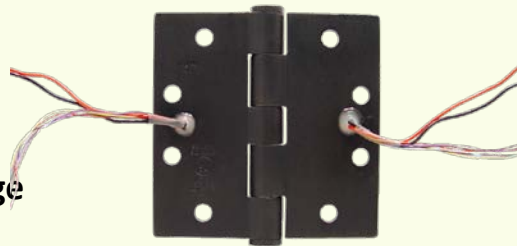


- More expensive than a loop
- Secure
- More difficult and more expensive to prep in a new installation
- Extremely difficult to prepare in retrofit situations, in particular when working with grouted frames
- Until now the only choice available with 18 AWG wire needed for demanding loads

BEST

18 AWG

Concealed Electric Hinge



- The most secure
- The electrified function is completely invisible
- Can accommodate demanding loads
- Much easier and less expensive to prep in both new and retrofit applications, making it a practical and cost effective choice