STANLEY

3 Knuckle Full Mortise Hinges

Standard Weight Concealed Bearing

CB1900R – (ANSI A8112) Steel – polished and plated or phosphated and prime coated for painting

CB1960R – (ANSI A2112) Brass or bronze – polished and plated or painted

CB1960R (32) - (ANSI A5112) Stainless steel - highly polished

CB1960R (32D) - (ANSI A5112) Stainless steel - satin finish





- For medium weight doors of average frequency
- All hinges have template screw hole location for use on either wood or hollow metal doors and frames
- Concealed bearing for trouble-free, long life no oil, no grease, no maintenance
- Pins in nonferrous hinges are stainless steel
- Hole in bottom tip for easy pin removal
- Reversible flush tips and pins
- Limited lifetime warranty
- Hinges can be furnished as follows:
 - with raised barrel (RB)
 - with electric wires and/or switches (CE and/or CS)
 - with hospital tips (HT)
 - with exposed tips (ET)
 - with decorative tips
 - with security studs
 - with non-removable pins (NRP)



Size Open		Gauge of Metal		Flat Head Screws Per Piece		Quantity Per Box	Quantity Per Case	Case Weight			
								Bronze		Steel	
Inches	(mm)	Inches	(mm)	Machine	Wood			Lbs.	(Kg)	Lbs.	(Kg)
3 1/2 x 3 1/2	(89 x 89)	.123	(3.1)	6 - 10-24 x 1/2	6 - 10 x 1	3 еа.	90 ea.	61	(28)	58	(26)
4 x 4	(102 x 102)	.130	(3.3)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 еа.	48 ea.	45	(20)	43	(20)
4 1/2 x 4	(114 x 102)	.134	(3.4)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 еа.	48 ea.	52	(24)	47	(21)
4 1/2 x 4 1/2	(114 x 114)	.134	(3.4)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 еа.	48 ea.	56	(25)	52	(24)
5 x 4	(127 x 102)	.146	(3.7)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 еа.	30 ea.	39	(18)	37	(17)
5 x 4 1/2	(127 x 114)	.146	(3.7)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 еа.	30 ea.	43	(20)	38	(17)
5 x 5	(127 x 127)	.146	(3.7)	8 - 12-24 x 1/2	8 - 12 x 1 1/4	3 еа.	30 ea.	48	(22)	44	(20)
*бхб	(152 x 152)	.160	(4.1)	10 -1/4 -20 x 1/2	10 -14 x 1 1/2	3 еа.	24 ea.	66	(30)	60	(27)

* Available in Steel only

Consult factory for other sizes not listed

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
- Should be used along with a junction box
- Can be furnished with hospital tips





CECB179-12C** Electrified Ouick **Connect Hinge**



CECB179 **CECB168** CECB191 CECB199 5-Knuckle Concealed **Bearings**



CEFBB179 CEFBB168 CEFBB191 CEFBB199 5-Knuckle Exposed Bearings



CECB1900R CECB1901R CECB1960R CECB1961R 3-Knuckle Concealed Bearings (Handed - Specify RH or LH)



Electrical Ratings					
Suffix	# Wires	Wire Gage	Volts (AC or DC)		
			6, 12, 24	48	
		Current			
-54	4	28AWG	1 amp/wire	5 milli-amp/wire	
-56	6	28AWG	.7 amp/wire	5 milli-amp/wire	
-58	8	28AWG	.5 amp/wire	5 milli-amp/wire	
-10	10	28AWG	.4 amp/wire	5 milli-amp/wire	
-66*	6	2@24AWG	2 amp/wire	5 milli-amp/wire	
		4@28AWG	1 amp/wire	5 milli-amp/wire	
18**	8	2@18AWG	10amp/wire	5 milli-amp/wire	
		6@28AWG	.7amp/wire	5 milli-amp/wire	

Inrush 15A for .05 second/wire

"CE" hinges are listed by UL at these ratings

* Not available in FBB168 and FBB199

** -18 and -12C are only available on models CB168, CB179, CB191 & CB-199.

JB2R – Junction Box

- Note: Install in middle hinge location
- Can be shop welded or field installed before frames are set
- Fits either 41/2" (114mm) or 5" (127mm) size hinges

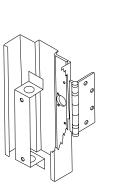
Class Number						
CB179, FBB179, CB1900R			Sizes Available			
CB168,	FBB168,	CB1901R	4 1/2" x 4"	(114mm x 102mm)		
CB191,	FBB191,	CB1960R	4 1/2" x 4 1/2"	(114mm x 114mm)		
CB199,	FBB199,	CB1961R	5" x 4"	(127mm x 102mm)		
			5" x 4 1/2"	(127mm x 114mm)		
			5" x 5"	(127mm x 127mm)		
			6" x 4 1/2"	(152mm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

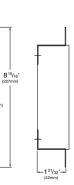
* Not available in CB191, FBB191, CB1900R and CB1960R

-1²³/32" (43.7mm)

\$

¢





Junction Box Top View

Right Side View

7

STANLEY

General Hinge Information

Special Situation Products

- "CS" (Concealed Switch) Allows opening monitoring, switch operates when door is either open or closed. Used to activate alarms, monitoring devices, or other security equipment when a tamper-proof hinge is required
- Single pole double throw switch
- Packed one per box with screws and installation instructions
- No electrical parts are exposed when hinge is installed
- Hinges should be installed in the center hinge location
- When ordering specify class number, size, finish and hand of door
- Hinges are available as follows:
 - with Non-Removable Pins (NRP)
 - with hospital tips (HT)



(ŲL)







Electrical Ratings					
Volts	Current Rating				
AC or DC	Resistive	Inductive			
6	.30amp	.30amp			
12	.25amp	.25amp			
24	.20amp	.15amp			
48	.15amp	.12amp			



CSCB1900R CSCB1901R CSCB1960R CSCB1960R CSCB1961R 3-Knuckle Concealed Bearings







Class Nur	nber					
CB179, FBB179, CB1900R			Sizes Available			
CB168,	FBB168,	CB1901R	4 1/2" x 4"	(114mm x 102mm)		
CB191,	FBB191,	CB1960R	4 1/2" x 4 1/2"	(114mm x 114mm)		
CB199,	FBB199,	CB1961R	5″ x 4″	(127mm x 102mm)		
			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″x6″*	(152mm x 152mm)		

Hinges may be equipped with both concealed wires and concealed switch. When both are desired use prefix CECS. Specify hand.



5-Knuckle Concealed Bearings



5-Knuckle Ball Bearings



3-Knuckle Concealed Bearings

General Hinge Information