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Major Types of Electrical Boxes

Technical Specifications

There are 10 major types of Electrical Boxes used in Canada.
All these types of boxes serve specific purposes and are offered with various features / characteristics.

Type	Purpose	Features / Characteristics
Device Boxes	<ul style="list-style-type: none"> Flush installation of a device (switch, receptacle, thermostat, ...) 	<ul style="list-style-type: none"> From 1-1/2 in. deep up to 3 in. deep Available options: cable clamps, brackets, gangable For new or old work
Octagonal Boxes	<ul style="list-style-type: none"> Wire connections (junction box) Light fixture installation Temporary device installation 	<ul style="list-style-type: none"> 3 depths available: 1/2 in., 1-1/2 in., 2-1/8 in. Available options: cable clamps, brackets, extensions
4 in. Square Boxes	<ul style="list-style-type: none"> Wire connections (junction box) Flush or surface device installation (special cover required) 	<ul style="list-style-type: none"> 2 depths available: 1-1/2 in., 2-1/8 in. Available options: brackets and extensions
4-11/16 in. Square Boxes	<ul style="list-style-type: none"> Range / Dryer receptacle installation Wire connections (junction box) Flush device installation (special cover required) 	<ul style="list-style-type: none"> 2 depths available: 1-1/2 in., 2-1/8 in. Available options: brackets and extensions
Utility Boxes	<ul style="list-style-type: none"> Surface installation of a device (special cover required) 	<ul style="list-style-type: none"> 2 major models available: BC-1110, BC-2020 Available options: brackets and extensions
347 V Boxes	<ul style="list-style-type: none"> Installation of 347 V switches for commercial / industrial lighting 	<ul style="list-style-type: none"> Device mounting holes are 1/4 in. further apart Models available for flush or surface installation
Concrete Rings	<ul style="list-style-type: none"> Wire connections in concrete slabs 	<ul style="list-style-type: none"> 1-1/2 in. deep to 6 in. deep
Masonry Boxes	<ul style="list-style-type: none"> Device installation in masonry (concrete, bricks, ...) construction 	<ul style="list-style-type: none"> 2-1/2 in. deep and 3-1/2 in. deep From 1 to 6 gang
Pre-ganged Boxes	<ul style="list-style-type: none"> Sturdy boxes for multiple device installation (special covers required) 	<ul style="list-style-type: none"> 2 in. deep From 2 to 6 gang
Power / Communication Boxes	<ul style="list-style-type: none"> Installation of communication devices (cable TV, telephone, ...) side by side with power devices 	<ul style="list-style-type: none"> Communication devices concealed within a box or not 2 gang covers required

How to Select the Right Box

Technical Specifications

The selection of the proper box for a given job, is a function of 2 major factors: the application and the type of construction.

Type of Construction	APPLICATION	
	Device Installation	Wire Connection
Flush Installation	<ul style="list-style-type: none"> • Device boxes and wall plates • Square boxes and raised covers • Pre-ganged boxes and covers 	<ul style="list-style-type: none"> • Octagonal boxes and blank covers • Square boxes and blank covers
Surface Installation	<ul style="list-style-type: none"> • Utility boxes and covers • Square boxes and surface covers 	<ul style="list-style-type: none"> • Octagonal boxes and blank covers • Square boxes and blank covers
New Construction	<ul style="list-style-type: none"> • Device boxes and wall plates • Utility boxes and covers • Square boxes and covers 	<ul style="list-style-type: none"> • Octagonal boxes and blank covers • Square boxes and blank covers
Old Work	<ul style="list-style-type: none"> • Rework device boxes (special brackets) • Device boxes plus 820-D ("F" clips) • Switch Box Extension • Square extension and cover • Utility boxes and covers 	<ul style="list-style-type: none"> • Octagonal rework boxes (special brackets) • Octagonal extensions and blank covers • Square extensions and blank covers
Drywall / Wood Stud	<ul style="list-style-type: none"> • Device boxes and wall plates • Square boxes and raised covers 	<ul style="list-style-type: none"> • Octagonal boxes and blank covers • Square boxes and blank covers
Drywall / Metal Stud	<ul style="list-style-type: none"> • Steel stud device boxes and wall plates • Steel stud square boxes and raised covers 	<ul style="list-style-type: none"> • Steel stud octagonal boxes and blank covers • Steel stud square boxes and blank covers
Masonry / Concrete	<ul style="list-style-type: none"> • Masonry boxes and wall plates • Pre-ganged boxes and covers 	<ul style="list-style-type: none"> • Concrete rings and covers
Nonmetallic Sheathed Cable	<ul style="list-style-type: none"> • Device boxes with "LOOMEX" cable clamps • Device boxes with KOs and "LOOMEX" connectors 	<ul style="list-style-type: none"> • Octagonal boxes with "LOOMEX" cable clamps and blank covers • Octagonal / Square boxes with KOs and "LOOMEX" connectors
Armoured Cable	<ul style="list-style-type: none"> • Device boxes with "BX" cable clamps • Device boxes with KOs and "BX" connectors 	<ul style="list-style-type: none"> • Octagonal boxes with "BX" cable clamps and blank covers • Octagonal / Square boxes with KOs and "BX" connectors
Conduit / E.M.T.	<ul style="list-style-type: none"> • Device boxes with conduit KOs and E.M.T. connectors or rigid conduit and locknuts 	<ul style="list-style-type: none"> • Octagonal / Square boxes with conduit KOs and E.M.T. connectors or rigid conduit and locknuts

The selection is also guided by the physical dimensions of the box and, to a certain extent, by some personal preferences.

Physical dimensions: In a flush installation, the depth of the box is limited by the wall thickness. The cubic capacity of the box is also a major factor to consider. According to the C.E.C., only a limited number of conductors are allowed inside a box of a given cubic capacity (see maximum wire fill chart on page A11).

Personal preferences: Device boxes are available either gangable or non-gangable. Gangable means that two or more boxes can be joined together, on the job site, to create a multi-gang box as required. Most boxes are also available with or without brackets.

Boxes with brackets are usually installed with screws running through the bracket mounting holes. There are numerous types of brackets either to satisfy a specific need (steel stud bracket or rework bracket) or simply because of personal preferences.

Boxes without brackets are usually nailed from the outside of the box or screwed in place from the inside.

Catalogue Number Designation

Technical Specifications

Most boxes have a 2 part Catalogue Number: a PREFIX...

The prefix identifies the Series' number, which indicates the type of box, its physical dimensions, as well as the properties of each series.

i.e.: **BC1104** is the prefix which identifies a:

- Device / Box Gangable — 2-1/2 in. deep (12.5 cu. in.)

Series #: BC or CI as applicable	Cu. in.	Description
425	10	• Gangable Rework Device Box — 2 in. deep
525	12.5	• Gangable Rework Device Box — 2-1/2 in. deep
775	10	• Gangable Device Box — 2-1/4 in. deep
777	11	• Non-gangable Rework Device Box — 2-1/4 in. deep
1004	15	• Gangable Device Box — 3 in. deep
1018	18.0	• Gangable Device Box — 3 in. deep
1100	8	• Gangable Device Box — 1-1/2 in. deep
1102	10	• Gangable Device Box — 2 in. deep
1104	12.5	• Gangable Device Box — 2-1/2 in. deep
1110	16.5	• Utility Box — 1-7/8 in. deep
1141	13	• Utility Box — 1-1/2 in. deep
1151	18.5	• Utility Box — 2-1/8 in. deep
1199	18.5	• Utility Box — 2-1/8 in. deep
1204	16 / gang	• 347 V Gangable Device Box — 2-1/2 in. deep
1304	14.5	• Gangable Device Box — 2-1/2 in. deep
1504	15	• Non-gangable Device Box — 2-1/2 in. deep
1804	18	• Gangable Device Box — 2-1/2 in. deep
2004	18.5	• Non-gangable Device Box — 2-3/4 in. deep
2016	18.5	• Non-gangable Device Box — 2-1/2 in. deep
2018	13	• Utility Box — 1-1/2 in. deep
2020	14	• Utility Box — 1-7/8 in. deep
2104	12.5 / gang	• Non-gangable Device Box — 2-1/2 in. deep
2304	14.5	• Non-gangable Device Box — 2-1/2 in. deep
3004	18	• Gangable Device Box — 3 in. deep
3102	12	• Gangable Device Box — 2 in. deep
3104	16	• Gangable Device Box — 2-1/2 in. deep
4104	12.5	• Power / Communication Box — 2-1/2 in. deep
4204	12.5 / gang	• Power / Communication Box — 2-1/2 in. deep
4304	12.5	• Power / Communication Box — 2-1/2 in. deep

Catalogue Number Designation

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i.e.: **BC1104** is the prefix which identifies a:

- Device / Box Gangable — 2-1/2 in. deep (12.5 cu. in.)

Series #: BC or CI as applicable	Cu. in.	Description
52151	21	<ul style="list-style-type: none"> • 4 in. Square Box — 1-1/2 in. deep
52171	30	<ul style="list-style-type: none"> • 4 in. Square Box — 2-1/8 in. deep
53151	21	<ul style="list-style-type: none"> • 4 in. Square Extension — 1-1/2 in. deep
53171	30	<ul style="list-style-type: none"> • 4 in. Square Extension — 2-1/8 in. deep
54151	15	<ul style="list-style-type: none"> • 4 in. Octagonal Box — 1-1/2 in. deep
54171	21	<ul style="list-style-type: none"> • 4 in. Octagonal Box — 2-1/8 in. deep
54521 / 54591	see page A44	<ul style="list-style-type: none"> • Concrete Rings — 1-1/2 in. to 6 in. deep
55151	15	<ul style="list-style-type: none"> • 4 in. Octagonal Extension — 1-1/2 in. deep
55171	21	<ul style="list-style-type: none"> • 4 in. Octagonal Extension — 2-1/8 in. deep
56111	5	<ul style="list-style-type: none"> • 4 in. Ceiling Pan — 1/2 in. deep
72151	30	<ul style="list-style-type: none"> • 4-11/16 in. Square Box — 1-1/2 in. deep
72171	42	<ul style="list-style-type: none"> • 4-11/16 in. Square Box — 2-1/8 in. deep
73151	30	<ul style="list-style-type: none"> • 4-11/16 in. Square Extension — 1-1/2 in. deep
73171	42	<ul style="list-style-type: none"> • 4-11/16 in. Square Extension — 2-1/8 in. deep
CWB	16.0	<ul style="list-style-type: none"> • Concrete wall box
gsb	see page A54	<ul style="list-style-type: none"> • Pre-ganged Box — 2 in. deep
mbd	21 / gang	<ul style="list-style-type: none"> • Masonry Box — 3-1/2 in. deep
mbd-HV	22.25 / gang	<ul style="list-style-type: none"> • 347 V Masonry Box — 3-3/8 in. deep
mbs	14 / gang	<ul style="list-style-type: none"> • Masonry Box — 2-1/2 in. deep
mbs-HV	20.25 / gang	<ul style="list-style-type: none"> • 347 V Masonry Box — 2-3/8 in. deep
OBex	5	<ul style="list-style-type: none"> • 4 in. Round Extension — 1/2 in. deep
WBF	—	<ul style="list-style-type: none"> • Low Voltage Mounting Bracket

Catalogue Number Designation

Technical Specifications

... and a SUFFIX

The suffix identifies the various features available for each series of boxes (in most cases, the suffix is strictly alphabetical).

i.e.: **L** is the suffix which identifies a box having: Cable clamps for nonmetallic sheathed cable.

Catalogue

B	Bracket (nailing style with prongs).
ER	Concrete ring extension.
HV	High voltage.
K	Concentric knockouts (1/2 and 3/4 in.).
KSB	Concentric knockouts (1/2 and 3/4 in.) and side bracket.
KSS1X-1	Concentric knockouts (1/2 and 3/4 in.), mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in. 1 gang.
KSSX	Concentric knockouts (1/2 and 3/4 in.), mounting strap for steel stud installations and integral additional support bracket.
KSSX-1	Concentric knockouts (1/2 and 3/4 in.), mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in.
L	Clamps for nonmetallic sheathed cable.
LA	Clamps for nonmetallic sheathed cable or armoured cable.
LA-HV	Clamps for nonmetallic sheathed cable or armoured cable. High voltage.
LB	Clamps for nonmetallic sheathed cable and bracket (nailing style with prongs).
LBA	Clamps for armoured cable or nonmetallic sheathed cable and bracket (nailing style with prongs).
LD	Clamps for nonmetallic sheathed cable and "Swing-Arms" mounting device.
LE	Less mounting ears.
LF	Clamps for nonmetallic sheathed cable. Direct fan to box mounting.
LH	Clamps for armoured cable or nonmetallic sheathed cable. Extended sides for external nailing.
LHA	Clamps for armoured cable or nonmetallic sheathed cable. Extended sides for external nailing.
LHT	Clamps for nonmetallic sheathed cable or armoured cable. Extended sides for external nailing. Positioning tabs and 2 embossed mounting slots for internal screw installation.
LHTQ	Clamps for nonmetallic sheathed cable or armoured cable. Extended sides for external nailing. Positioning tabs and 2 embossed mounting slots for internal screw installation. Special 1 screw quick mount feature.
LHTQ-2	Clamps for nonmetallic sheathed cable or armoured cable. Extended sides for external nailing. Positioning tabs and 2 embossed mounting slots for internal screw installation. Special 1 screw quick mount feature. 2 gangs.
LHTQ-3	Clamps for nonmetallic sheathed cable or armoured cable. Extended sides for external nailing. Positioning tabs and 2 embossed mounting slots for internal screw installation. 3 gangs.
LHTQ-4	Clamps for nonmetallic sheathed cable or armoured cable. Extended sides for external nailing. Positioning tabs and 2 embossed mounting slots for internal screw installation. 4 gangs.
LLE	Clamps for nonmetallic sheathed cable or armoured cable. Less mounting ears.
LLE-2	Clamps for nonmetallic sheathed cable or armoured cable. Less mounting ears. 2 gangs.
LLE-3	Clamps for nonmetallic sheathed cable or armoured cable. Less mounting ears. 3 gangs.
LLE-4	Clamps for nonmetallic sheathed cable or armoured cable. Less mounting ears. 4 gangs.
LLEA	Clamps for armoured cable or nonmetallic sheathed cable. Less mounting ears.
LLEA-2	Clamps for armoured cable or nonmetallic sheathed cable. Less mounting ears. 2 gangs.
LMS	Clamps for nonmetallic sheathed cable or armoured cable and mounting strap.

Catalogue Number Designation

Technical Specifications

Catalogic

LMSA	Clamps for armoured cable or nonmetallic sheathed cable and mounting strap
LN	Clamps for nonmetallic sheathed cable or armoured cable. Staked nails.
LRB	Clamps for nonmetallic sheathed cable or armoured cable and pivoting ends for "rework" installation
LRE	Clamps for nonmetallic sheathed cable or armoured cable. Recessed ears.
LRW	Clamps for nonmetallic sheathed cable or armoured cable and spring mounting device for installation in finished walls
LSBA	Clamps for armoured cable or nonmetallic sheathed cable and side bracket
LSSA1X-1	Clamps for armoured cable or nonmetallic sheathed cable, mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in.
LSSA-2X	Clamps for armoured cable or nonmetallic sheathed cable, mounting strap for steel stud installations and integral additional support bracket. 2 gangs.
LSSA-3X	Clamps for armoured cable or nonmetallic sheathed cable, mounting strap for steel stud installations and integral additional support bracket. 3 gangs.
LSSAX	Clamps for armoured cable or nonmetallic sheathed cable, mounting strap for steel stud installations and integral additional support bracket
LSSAX-HV	Clamps for armoured cable or nonmetallic sheathed cable, mounting strap for steel stud installations and integral additional support bracket. High voltage.
LSSAX-1	Clamps for armoured cable or nonmetallic sheathed cable, mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in.
LSSX	Clamps for nonmetallic sheathed cable or armoured cable, mounting strap for steel stud installations and integral additional support bracket
LSS2X	Clamps for nonmetallic sheathed cable or armoured cable, mounting strap for steel stud installations and integral additional support bracket. 2 gangs.
LSS3X	Clamps for nonmetallic sheathed cable or armoured cable, mounting strap for steel stud installations and integral additional support bracket. 3 gangs.
LSSX-1	Clamps for nonmetallic sheathed cable or armoured cable, mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in.
LSS1X-1	Clamps for nonmetallic sheathed cable or armoured cable, mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in. 1 gang box.
LSS2X-1	Clamps for nonmetallic sheathed cable or armoured cable, mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in. 2 gang box.
LSS3X-1	Clamps for nonmetallic sheathed cable or armoured cable, mounting strap for steel stud installations and integral additional support bracket. Recessed 1 in. 3 gang box.
LX	Self-locking spring clamps for nonmetallic sheathed cable
LV	V style bracket
P	Partition
R	Utility box extension
SB	Side bracket
SSX	Mounting strap for steel stud installations and integral additional support bracket
SSX-HV	Mounting strap for steel stud installations and integral additional support bracket. (Mounting ears spaced for high voltage devices)
SSX-1	Mounting strap (offset for 2 x 1/2 in. drywall thicknesses) for steel stud installations and integral additional support bracket.
VB	Vapour barrier
1/2	1/2 in. conduit knockouts
1	1 in. conduit knockouts

When joined together, they identify a particular box and nothing else.

Therefore, **BC2104-LX** represents a non-gangable device box, 2-1/2 in. deep with self-locking clamps for nonmetallic sheathed cable.

Device Boxes – Available Models

Technical Specifications

		Gangable															Non-Gangable						
		Depth	1 1/2	2	2	2	2 1/4	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	3	3	3	2 1/4	2 1/2	2 1/2	2 1/2	2 3/4	2 1/2
		Cu. in.	8.0	10.0	10.0	12.0	10.0	12.5	12.5	14.5	12.5	12.5	16.0	18.0	15.0	18.0	18.0	11.0	12.5	14.5	15.0	18.5	25.0
Series # BC/CI		1100	1102	425	3102	775	525	1104	1304	4104	4304	3104	1804	1004	1018	3004	777	2104	2304	1504	2004	4204	
Conduit Knockouts	Basic Model		✓	✓				✓						✓									
	B							✓															
	K							✓															
	KSSX											✓											✓
	KSS1X-1											✓											
	LE							✓															
	SB		✓					✓															
	SSX				✓							✓											
Nonmetallic Sheathed Cable Clamps (Loomex, NMD90)	L	✓	✓	✓		✓	✓	✓		✓				✓									
	LB							✓						✓									
	LD					✓																	
	LH	✓										✓	✓	✓		✓					✓		
	LHT							✓					✓										
	LHTQ								✓				✓			✓			✓				
	LLE	✓																✓		✓			
	LHTQ-2/LLE-2																	✓					
	LHTQ-3/LLE-3																	✓					
	LHTQ-4/LLE-4																	✓					
	LMS							✓											✓				
	LN																	✓					
	LRB																✓						
	LRE	✓																					
	LRW							✓															
	LSSX											✓	✓			✓		✓					✓
	LSS2X																	✓					
	LSS3X																	✓					
	LSSX-1															✓							
	LSS1X-1																	✓					
LSS2X-1																	✓						
Armoured Cable Clamps (BX, AC90)	LX																	✓			✓		
	LA							✓		✓													
	LBA							✓															
	LHA							✓				✓	✓	✓							✓		
	LLEA																	✓					
	LLEA-2																	✓					
	LMSA							✓															
	LSBA							✓															
	LSSAX				✓						✓	✓						✓		✓		✓	
	LSSA-2X																	✓					
	LSSA-3X																	✓					
	LSSAX-1															✓						✓	
	LSSA1X-1											✓											

Other types of Boxes – Available Models

Technical Specifications

				Conduit Knockouts																NMD90 Clamps				AC90 Clamps				
Types of Boxes	Depth	Cu. in.	Series # BC or CI as applicable	BASIC MODEL	1/2	1	1-HV / 2 HV	1-HV / 4 HV	1-K / 6-K	2 / 6	ER	HV	K	KSB	KSSX	KSSX-1	LV	SSX-1	R	SB	L	LB	LD	LF	LA	LA-HV	LSSAX	LSSAX-HV
347 V Device Boxes	2 3/8	16.5	1110									✓																
	2 1/2	16.0	1204				✓																			✓		✓
	2 3/8	16.5	MBS					✓																				
	3 3/8	20.24	MBD					✓																				
Octagonal Boxes	1/2	5.0	56111	✓																								
	1 1/2	15.0	54151		✓								✓		✓		✓			✓	✓	✓		✓		✓		
	2 1/8	21.0	54171										✓		✓	✓	✓			✓	✓		✓					
Octagonal Extensions	1/2	5.0	0BEX	✓																								
	1 1/2	15.0	55151										✓															
	2 1/8	21.0	55171										✓		✓													
4 in. Square Boxes	1 1/2	21.0	52151										✓	✓	✓													
	2 1/8	30.0	52171			✓							✓	✓				✓										
4 in. Square Extensions	1 1/2	21.0	53151										✓															
	2 1/8	30.0	53171										✓															
4-11/16 in. Square Boxes	1 1/2	30.0	72151										✓		✓													
	2 1/8	42.0	72171			✓							✓	✓														
4-11/16 in. Square Extensions	1 1/2	30.0	73151										✓															
	2 1/8	42.0	73171										✓															
Utility Boxes and Extensions	1 1/2	13.0	2018	✓																	✓							
	1 7/8	14.0	2020	✓																✓	✓							
	1 7/8	16.5	1110	✓																✓	✓							
	1 1/2	13.0	1141	✓																								
Masonry Boxes	2 1/2	14.0	MBS						✓																			
	3 1/2	21.0	MBD						✓																			
Pre-Ganged Boxes	2	52.0	GSB							✓																		
Concrete Rings	1 1/2	18.0	54521	✓																								
	2	24.0	54531	✓																								
	2 1/2	30.0	54541	✓																								
	3	36.0	54551	✓																								
	3 1/2	42.0	54561	✓	✓																							
	4	48.0	54571	✓																								
	5	60.0	54581	✓																								
	6	72.0	54591	✓																								

Features, Brackets, Clamps, Knockouts

Technical Specifications

IBERVILLE® steel boxes and covers are manufactured from hot dipped galvanized steel sheet. Hot dipped galvanizing is one of the most effective methods of protecting bare steel from corrosion. This zinc coating is uniformly distributed both inside and outside the box, and not only protects the surface of the steel but also sacrifices itself through galvanic action to prevent corrosion at edges, holes (plain or tapped) and possible scratches. The use of hot dipped galvanized steel sheet ensures full zinc protection for all **IBERVILLE®** steel boxes and covers.

Ears



1 screw

CI1SCREAR/SCR



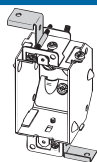
2 screws

CI2SCREAR/SCR

IBERVILLE® steel boxes incorporate numerous features which result in boxes rugged enough to stand up against the severest abuse.

- Pre-set positioning tabs for perfectly aligned installation
- Formed stabilizing embosses, which prevent rocking and will not flatten under the impact of a hammer
- The Wedgelock system, which locks sides even tighter together when installed
- Diamond shaped pryouts, for easy removal
- Loomex cable clamps, with supporting legs that maintain elevation for easier cable entry
- Combination "slot / Robertson head" screws, which allow the use of more than one type of screwdriver
- Large pan head ground screws above two wire retainers
- Various types of brackets for different applications

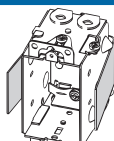
Rework Mounting Systems*



D



RB



LRW

* C.E.C. 2012 Rule 12-3010 (2)

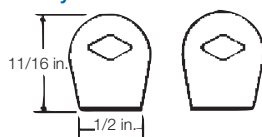
Where ganged sectional boxes are used, they shall be secured to metal supports or to wooden boards at least 19 mm thick that are rigidly secured to the structural units.

Knockouts / Pryouts

Conduit Knockouts



Cable Pryouts



Clamps



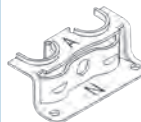
Clamp for nonmetallic sheathed cable "Loomex".

Device Boxes

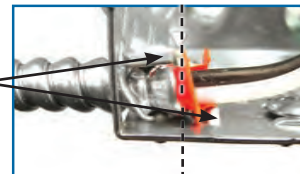


Clamp for nonmetallic sheathed cable "Loomex".

Octagonal Boxes

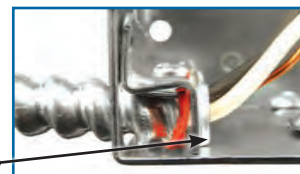


Clamp for armored cable "BX" & nonmetallic sheathed cable "Loomex".



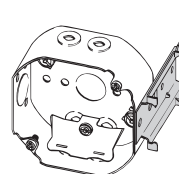
Our "LA" cable clamp:

This clamp has been designed so that the anti-short bushing and the armour butt-up against a retaining wall built into the clamp.

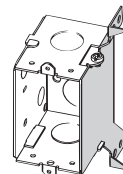


Our dual usage boxes feature retaining flanges built into the bottom of the spacer, that in unison with the cable clamp, hold the anti-short bushing in place and prevent the armour from penetrating into the box.

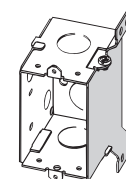
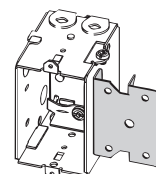
Brackets



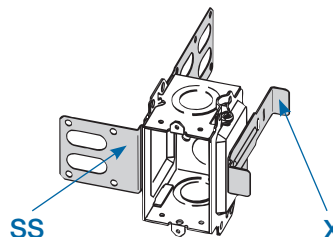
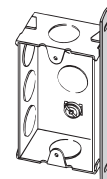
B



MS

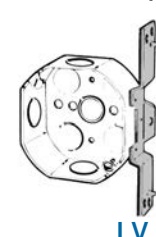


SB



SS

X



LV

Maximum Wire Fill Chart

Technical Specifications

The Canadian Electrical Code specifies that the maximum number of conductors to be contained in a box is determined by the following factors:

- The total volume of the box assembly (box, extension, raised cover)
- The size (AWG) of the insulated conductors
- The presence of one or more fixture studs or hickey
- The number of wire connectors in the box
- The presence and thickness of flush devices mounted on a single strap

The table below indicates the maximum number of conductors allowed in a box containing 0 or 1 wire connectors and no fixture stud, hickey or flush device.

Space for conductors in boxes		
Size of Conductors (AWG)	Usable space required for each Insulated Conductor (cu. in.) (cu. cm.)	
14	1.50	24.6
12	1.75	28.7
10	2.25	36.9
8	2.75	45.1
6	4.50	73.7

			Maximum Number of Conductors ** (with 0 or 1 wire connectors)			
Cubic Inch Capacity * (Milliliter)		Box Series No. (BC or CI as applicable)	14 AWG	12 AWG	10 AWG	8 AWG
5	(81)	56111, 0BEX	3	2	2	-
8	(131)	1100	5	4	3	2
10	(163)	425, 775, 1102	6	5	4	3
11	(180)	777	7	6	4	4
12	(197)	3102	8	6	5	4
12.5	(204/gang)	525, 1104, 2104, 4104, 4204, 4304	8	7	5	4
13	(213)	1141, 2018	8	7	5	4
14	(229/gang)	2020, MBS	9	8	6	5
14.5	(237)	1304, 2304	9	8	6	5
15	(245)	1004, 1504, 54151, 55151	10	8	6	5
16	(262/gang)	1004-LB, 1204, 3104	10	9	7	5
16.5	(270)	1110, 1110-HV	11	9	7	6
18	(295)	1018, 1804, 3004, 54521	12	10	8	6
18.5	(303)	1151, 1199, 2004	12	10	8	6
20.25	(331/gang)	MBS-HV	13	11	9	7
21	(344/gang)	52151, 53151, 54171, MBD	14	12	9	7
22.25	(364/gang)	MBD-HV	14	12	9	8
24	(393)	54531	16	13	10	8
25	(410)	2104 (2 gangs)	16	14	11	9
27	(442)	2304 (2 gangs)	18	15	12	9
30	(491)	52171, 53171, 72151, 73151	20	17	13	10
36	(590)	54551	24	20	16	13
37.5	(614)	2104 (3 gangs)	25	21	16	13
39.5	(647)	2304 (3 gangs)	26	21	17	17
42	(688)	54561, 72171, 73171	28	24	18	15
50	(819)	2104 (4 gangs)	33	28	22	18
52	(853)	2304 (4 gangs)	34	29	23	18

* When a single strap device is more than 1 in. thick, reduce box capacity by: 5 cu. in. x thickness of device.

** The maximum number of conductors shown in the table must be reduced in each of the following cases:

- One conductor, if the box contains one or more fixture studs or hickey
- One conductor for every additional pair of wire connectors (1 conductor for 2 or 3 wire connectors, 2 conductors for 4 or 5 wire connectors...)
- Two conductors for each single strap flush device up to 1 in. thick
- 1 cu. in. = 16.4 milliliter = 16.4 cubic centimeter
- 1 cubic centimeter = 1 milliliter = 0.061 cu. in.

Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps



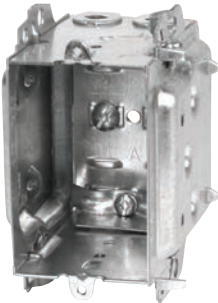


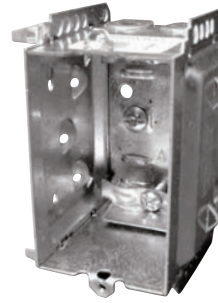

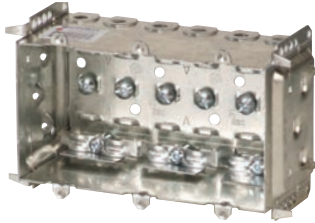

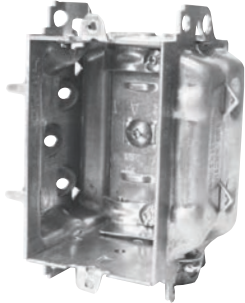
Presenting the LHTQ family of Iberville boxes. With their additional cubic capacity, this family of boxes is designed for any installations that require a greater number of conductors such as heating, GFCI and arc-fault applications.

What's more, because it's an LHTQ, installation is always fast and accurate. Look for these practical and time saving features on all LHTQ models.

- *positioning guides for drywall and outside wall applications*
- *retractable positioning tabs*
- *internally embossed mounting slots*
- *flat box sides for maximum stability*
- *holding prongs*
- *single and 2 gang boxes are CSA approved for one-screw mounting*

Device Boxes

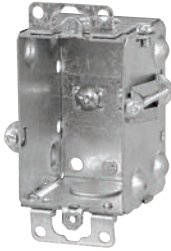
Armoured and Nonmetallic Sheathed Cable Clamps

			
BC1018-LHTQ	BC1304-LHTQ	BC2004-LHTQ	BC2304-LHTQ
Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs. One screw mounting.	Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs. One screw mounting.	Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs. One screw mounting.	Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs. One screw mounting.
			
BC2304-LHTQ-2	BC2304-LHTQ-3	BC2304-LHTQ-4	BC3104-LHTQ
Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs. One screw mounting.	Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs.	Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs.	Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs. One screw mounting.

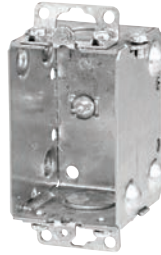
Cat. No.	Dimensions H x W x D (in.)	Volume (Cu. in.)	Gangable Yes or No	Features			Pryouts ends
				One screw mounting	Pos. tabs	Prov. for external nailing	
BC1018-LHTQ	3 x 2 x 3	18.0	yes	yes	yes	yes	4
BC1304-LHTQ	3 x 2 x 2-1/2	14.5	yes	yes	yes	yes	4
BC1304-LHATQ	3 x 2 x 2-1/2	14.5	yes	yes	yes	yes	4
BC2004-LHTQ	3-3/4 x 2-3/16 x 2-3/4	20.5	no	yes	yes	yes	4
BC2304-LHTQ	3 x 2 x 2-1/2	14.5	no	yes	yes	yes	4
BC2304-LHTQ-2	3 x 3-3/4 x 2-1/2	27.0	no	yes	yes	yes	8
BC2304-LHTQ-3	3 x 5-1/2 x 2-1/2	39.5	no	no	yes	yes	12
BC2304-LHTQ-4	3 x 7-3/8 x 2-1/2	52.0	no	no	yes	yes	16
BC3104-LHTQ	3 x 2 x 2-1/2	16.0	yes	yes	yes	yes	4

Device Boxes

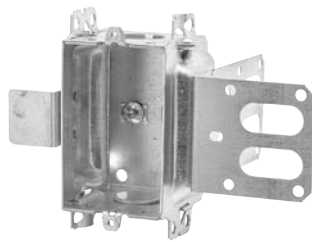
Conduit Knockouts


CI425

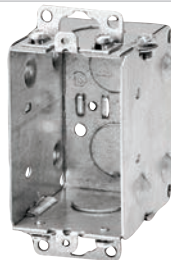
"Screwlok" brackets for rework installation. Max. wall thickness: 5/8 in.


BC1102

Recessed ears


CI1102-SB

CI3102-SSX

"Wraparound" bracket for 1-5/8 in. steel studs. With integral support bracket.


BC1104





Recessed ears

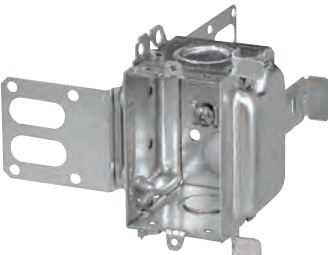
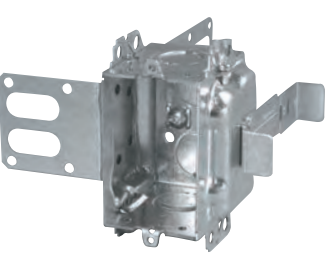
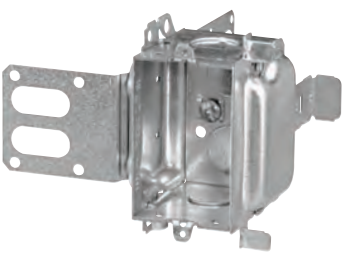


CI1104-B


Cat. No	Volume (Cu. in.)	Features		Knockouts	
		Ears	Bracket	1/2 in. ends	1/2 in. bottom
2 in. Deep — Gangable — 3 in. x 2 in					
CI425	10.0	flush	rework	2	-
BC1102	10.0	recessed	-	2	-
CI1102-SB	10.0	-	“SB”	2	-
CI3102-SSX	12.0	-	“SSX”	2	-
2-1/2 in. Deep — Gangable — 3 in. x 2 in.					
BC1104	12.5	recessed	-	2	2
CI1104-B	12.5	-	“B”	2	2

Device Boxes

Conduit Knockouts

			
CI1104-K	BC1104-LE	CI1104-SB	BCR2000
Concentric knockouts. Recessed ears.	Less ears.		

			
CI3104-KSSX	BC3104-KSS1X-1	CI3104-SSX	CI1004
Concentric knockouts. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	Concentric knockouts. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Brackets positioned for 2 layers of 1/2 in. Drywall.	"Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	Recessed ears.



Cat. No.	Volume (Cu. in.)	Features		Knockouts		
		Ears	Bracket	1/2 in. ends	1/2 in. bottom	3/4 in. ends
2 in. Deep — Gangable — 3 in. x 2 in.						
CI1104-K	12.5	recessed	-	2	2	2
BC1104-LE	12.5	-	-	2	2	-
CI1104-SB	12.5	-	“SB”	2	2	-
CI3104-KSSX	16.0	-	“SSX”	2	2	2
BC3104-KSS1X-1	16.0	-	“SSX”	2	2	2
CI3104-SSX	16.0	-	“SSX”	2	2	-
3 in. Deep — Gangable — 3 in. x 2 in						
CI1004	15.0	recessed	-	2	2	-
CI3004-KSSX-1.25	18.0	-	“SSX”	-	1	2

Cat. No.	Volume (Cu. in.)	Usage	Ground Screw	Knockout
2 in. Deep — Non-Gangable — 3-3/4 in. x 4 in. x 2 in.				
BCR2000*	18.0	K0	2	2

*Supplied c/w one CI4004 connector

New

Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps


BC1100-L

Flush ears.


BC1100-LLE

Less ears.


CI1100-LRE

Recessed ears.


CI425-L

 "Screwlok" brackets for rework installation.
Max. wall thickness: 5/8 in.

BC1102-L

Flush ears.


BC1102-LH

Provision for external nailing.



Cat. No.	Volume (Cu. in.)	Features		Pryouts
		Ears	Bracket	ends
1-1/2 in. Deep — Gangable — 3 in. x 2 in.				
BC1100-L	8.0	flush	-	4
BC1100-LLE	8.0	-	-	4
CI1100-LRE	8.0	recessed	-	4
2 in. Deep — Gangable — 3 in. x 2 in.				
CI425-L	10.0	flush	rework	4
BC1102-L	10.0	flush	-	4
BC1102-LH	10.0	-	-	4

Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps

			
CI775-L	BC775-LD	BC777-LRB	CI525-L
Flush ears.	"Swing-arm" rework brackets. Max. wall thickness: 3/4 in.	Pivoting ends for rework installation. Max. wall thickness: 1-1/8 in. * Non-Gangable	"Screwlok" brackets for rework installation. Max. wall thickness: 5/8 in.
			
BC1104-LB	BC1104-LHT	CI1104-LMS	BC1104-L
	Positioning tabs. Provision for external nailing. Two embossed mounting slots for internal screw installation.	Mounting strap with prongs. Recessed 1/2 in.	Flush ears.
			
BC1104-LRB	BC1104-LRW	BC1104-LSSX	BC1304-LHTQ
Flat sides for rework applications.	Rework bracket for closed wall applications. Max. wall thickness: 1 in.		One screw mounting. Provision for external nailing. Positioning tabs for 1/2 in. and 3/4 in. drywall.












Cat. No.	Volume (Cu. in.)	Features		Pryouts	Knockouts
		Ears	Bracket	ends	1/2 in. bottom
2-1/4 in. Deep — Gangable — 3 in. x 2 in. - For use with nonmetallic sheathed cable only					
CI775-L	10.0	flush	-	4	1
BC775-LD	10.0	flush	rework	4	1
BC777-LRB*	11.0	-	rework	4	1
2-1/2 in. Deep — Gangable — 3 in. x 2 in.					
CI525-L	12.5	flush	rework	4	-
BC1104-L	12.5	flush	-	4	-
BC1104-LB	12.5	-	“B”	4	-
BC1104-LHT	12.5	-	P. Tabs	4	-
CI1104-LMS	12.5	-	“MS”	4	-
BC1104-LRB	12.5	flush	-	4	-
BC1104-LRW	12.5	flush	rework	4	-
BC1104-LSSX	12.5	-	“SSX”	4	-
BC1304-LHTQ	14.5	-	P. Tabs	4	-




* Non-Gangable

Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps

				
BC2104-LLE	BC2304-LHTQ	BC2104-LX	BC2104-LN	BC2104-LRB
Holding prongs and prepositioned depth tabs.	One screw mounting. Provision for external nailing. Positioning tabs for 1/2 in. and 3/4 in. drywall.	Self-locking spring clamps. Holding prongs and prepositioned depth tabs. Raised ground screws. Approved for nonmetallic sheathed cable only.	Staked nails. Holding prongs and prepositioned depth tabs.	Flat sides for rework applications. 1 gang.

			
BC2104-LLE-2	BC2104-LRB-2	BC2104-LLE-3	BC2104-LLE-4
2 gang. Holding prongs and prepositioned depth tabs.	Flat sides for rework applications. 2 gang.	3 gang. Holding prongs and prepositioned depth tabs.	4 gang. Holding prongs and prepositioned depth tabs.

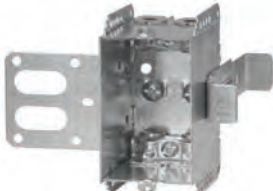
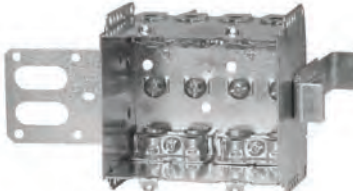
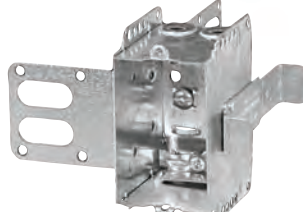
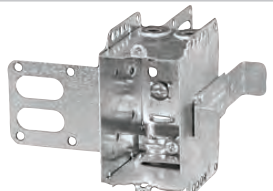
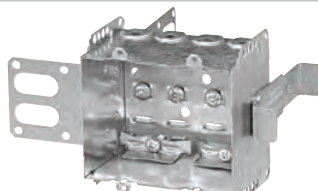
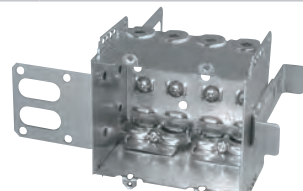



		
BC2304-LHTQ-2	BC2304-LHTQ-3	BC2304-LHTQ-4
2 gang. Holding prongs and prepositioned depth tabs.	3 gang. Holding prongs and prepositioned depth tabs.	4 gang. Holding prongs and prepositioned depth tabs.



Cat. No.	Width (in.)	Volume (Cu. in.)	Features		Pryouts
			Ears	Bracket	ends
2-1/2 in. Deep — Non-Gangable — 3 in. High					
BC2104-LLE	2	12.5	-	P. Tabs	4
BC2104-LLE-2	3-3/4	25.0	-	P. Tabs	8
BC2104-LLE-3	5-1/2	37.5	-	P. Tabs	12
BC2104-LLE-4	7-3/8	50.0	-	P. Tabs	16
BC2104-LN	2	12.5	-	P. Tabs/Nails	4
BC2104-LX	2	12.5	-	P. Tabs	4
BC2304-LHTQ	2	14.5	-	P. Tabs	4
BC2304-LHTQ-2	3-3/4	27.0	-	P. Tabs	8
BC2304-LHTQ-3	5-1/2	39.5	-	P. Tabs	12
BC2304-LHTQ-4	7-3/8	52.0	-	P. Tabs	16
BC2104-LRB	2	12.5	-	-	4
BC2104-LRB-2	3-3/4	25.0	-	-	8

Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps



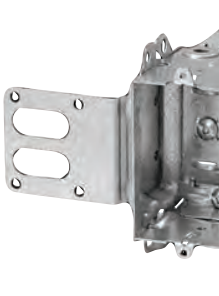
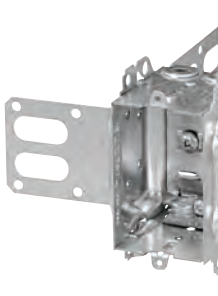




		
CI2104-LSSA1X-1 "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Brackets positioned for 2 layers of 1/2 in. drywall.	CI2104-LSSA2X-1 "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Brackets positioned for 2 layers of 1/2 in. drywall.	CI2104-LSSX "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.
		
CI2104-LSS1X-1 "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Brackets positioned for 2 layers of 1/2 in. drywall.	CI2104-LSS2X-1 "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Brackets positioned for 2 layers of 1/2 in. drywall.	CI-2104-LSS-2X "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.
		
CI2104-LSS3X-1 "Wraparound" brackets for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Brackets positioned for 2 layers of 1/2 in. drywall.	CI-2104-LSS-3X "Wraparound" brackets for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	BC1504-LLE Holding prongs and prepositioned depth tabs on one side.



Cat. No.	Width (in.)	Volume (Cu. in.)	Features		Pryouts ends
			Ears	Bracket	
2-1/2 in. Deep — Non-Gangable — 3 in. High					
CI2104-LSSA1X-1	2	12.5	-	“SSX”	4
CI2104-LSSA2X-1	3-3/4	25.0	-	“SSX”	8
CI2104-LSSX	2	12.5	-	“SSX”	4
CI2104-LSS1X-1	2	12.5	-	“SSX”	4
CI2104-LSS2X-1	3-3/4	25.0	-	“SSX”	8
CI-2104-LSS-2X	3-3/4	25.0	-	“SSX”	8
CI2104-LSS3X-1	5-1/2	37.5	-	“SSX”	12
CI-2104-LSS-3X	5-1/2	37.5	-	“SSX”	12
CI2104-LSS-4X	7-3/8	50.0	-	“SSX”	16
2-1/2 in. Deep — Non-Gangable — 3 in. High					
BC1504-LLE	2-1/4	15.0	-	P. Tabs	4

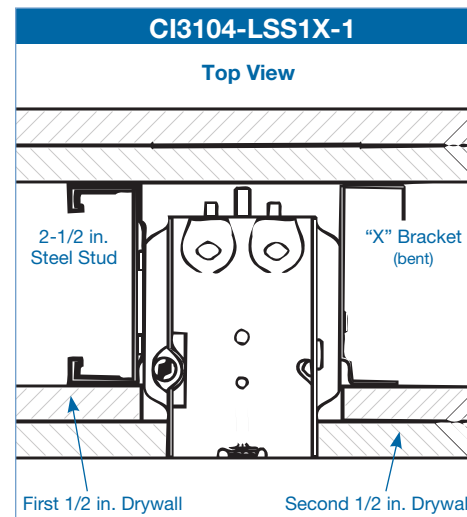
Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps

			
BC3104-LH	BC3104-LHTQ	BC3104-LSSX	CI3104-LSS1X-1
Positioning tabs. Provision for external nailing.	One screw mounting. Provision for external nailing. Positioning tabs for 1/2 in. and 3/4 in. drywall.	"Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	"Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Brackets positioned for 2 layers of 1/2 in. drywall.
			
CI1804-LH	BC2004-LH	BC2004-LHTQ	CI2016-LX
Positioning tabs. External nailing. Mounting slots for internal screw installation. X-Cube adds 5.5 cu. in.	Provision for external nailing. Holding prongs and prepositioned depth tabs on one side.	Internally embossed slots for screw mounting. Fixed positioning tabs for single 1/2 in. drywall along with retractable positioning tabs for double 1/2 in. drywall applications. Fixed positioning tabs for outside wall applications. Holding prongs. One screw mounting.	Self-locking spring clamps. Holding prongs and prepositioned depth tabs on one side. Approved for nonmetallic sheathed cable only.









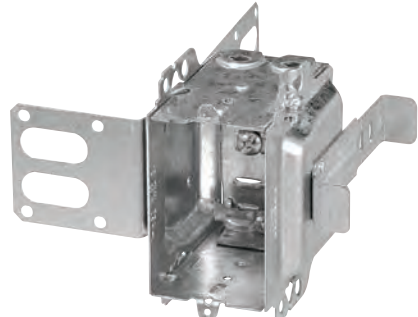
Cat. No.	Volume (Cu. in.)	Features		Pryouts ends
		Ears	Bracket	
2-1/2 in. Deep — Gangable — 3 in. x 2 in.				
BC3104-LH	16.0	-	P. Tabs	4
BC3104-LHTQ	16.0	-	P. Tabs	4
BC3104-LSSX	16.0	-	“SSX”	4
CI3104-LSS1X-1	16.0	-	“SSX”	4
CI1804-LH	18.0	-	P. Tabs	4
2-3/4 in. Deep — Non-Gangable — 3-3/4 in. x 2-3/16 in.				
BC2004-LH	18.5	-	P. Tabs	4
BC2004-LHTQ	20.5	-	P. Tabs	4
2-1/2 in. Deep — Non-Gangable — 3-3/4 in. x 2 in.				
CI2016-LX	18.5	-	P. Tabs	4



Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps

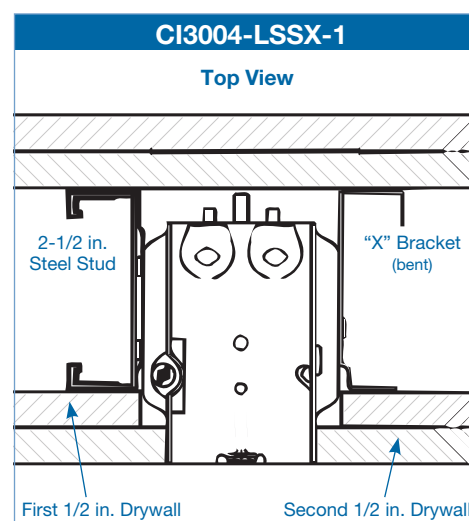
			
BC1004-L	BC1004-LH	CI1004-LB	BC1018-LHTQ
Flush ears.	Positioning tabs. Provision for external nailing. Two embossed mounting slots for internal screw installation.	Side bracket wood stud.	One screw mounting provisions for external nailing.

		
BC1304-LHT	BC3004-LH	CI3004-LSSX-1
Provision for external nailing.	Provision for external nailing.	1 in. recessed brackets for 2-1/2 in. and 3-5/8 in. steel studs. Brackets positioned for 2 layers of 1/2 in. drywall.



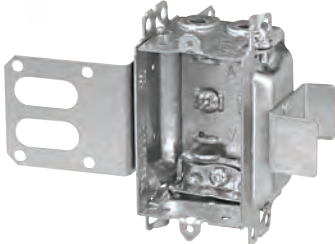



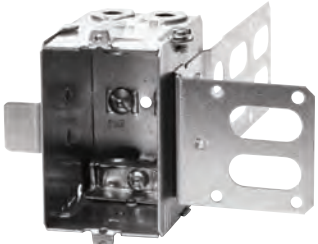
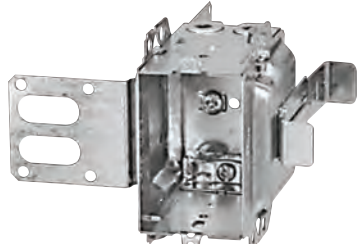
Cat. No.	Volume (Cu. in.)	Features		Pryouts
		Ears	Bracket	ends
3 in. Deep — Gangable — 3 in. x 2 in.				
BC1004-L	15.0	flush	-	4
BC1004-LH	15.0	-	P. Tabs	4
CI1004-LB	16.0	-	“B”	4
BC1018-LHTQ	18.0	-	P. Tabs	4
BC1304-LHT	14.5	-	P. Tabs	4
BC3004-LH	18.0	-	-	4
CI3004-LSSX	18.0	-	“SSX”	4
CI3004-LSSX-1	18.0	-	“SSX”	4
CI3004-LSSAX-1.25*	18.0	-	“SSX”	4

* Brackets positioned for 2 layers of 5/8 in. drywall



Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps

		
CI3102-LSSAX	BC1104-LA	BC1104-LHA
"Wraparound" bracket for 1-5/8 in. steel studs. With integral support bracket.	Flush ears.	Positioning tabs. Provision for external nailing. Two embossed mounting slots for internal screw installation.
		
CI1104-LMSA	BC1104-LSSAX	CI3004-LSSAX-1
Mounting strap recessed 1/2 in.		1 in. recessed brackets for 2-1/2 in. and 3-5/8 in. steel studs. Brackets positioned for 2 layers of 1/2 in. drywall.

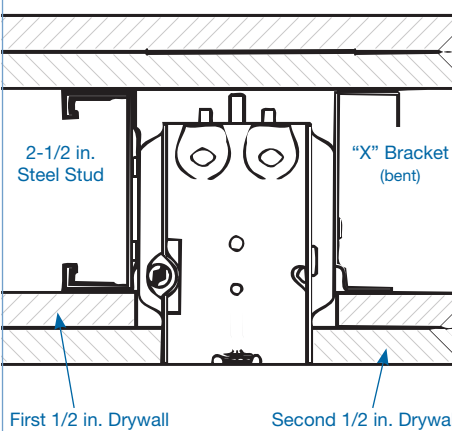


Cat. No.	Volume (Cu. in.)	Features		Pryouts
		Ears	Bracket	ends
2 in. Deep — Gangable — 3 in. x 2 in.				
CI3102-LSSAX	12.0	-	“SSX”	4
2-1/2 in. Deep — Gangable — 3 in. x 2 in.				
BC1104-LA	12.5	flush	-	4
BC1104-LHA	12.5	-	P. Tabs	4
CI1104-LMSA	12.5	-	“MS”	4
BC1104-LSSAX	12.5	-	“SSX”	4
3 in. Deep — Gangable — 3 in. x 2 in.				
CI3004-LSSAX-1*	18.0	-	“SSX”	4

* Brackets positioned for 2 layers of 1/2 in. drywall

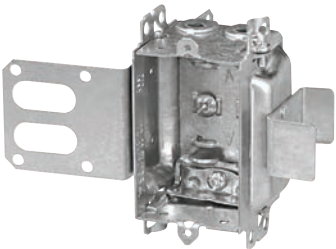
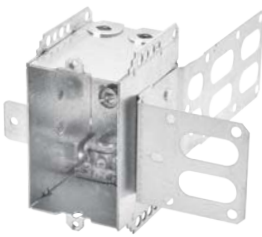
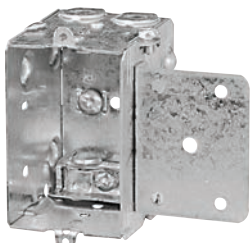
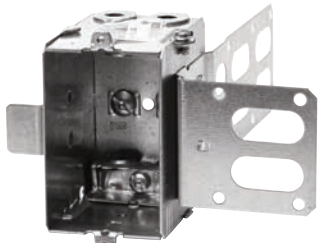
CI3004-LSSAX-1

Top View



Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps

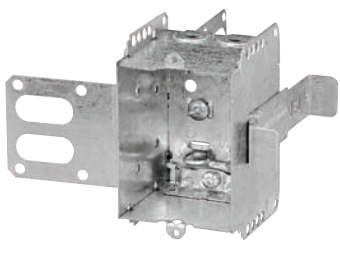
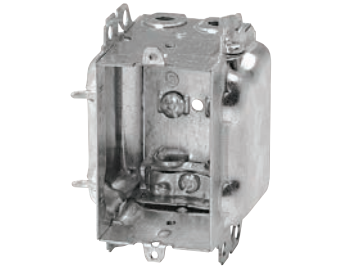
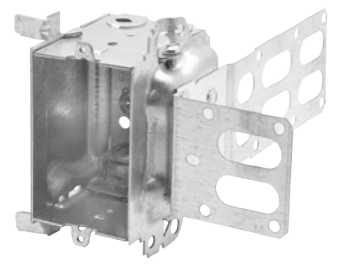
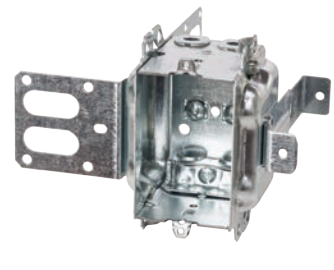
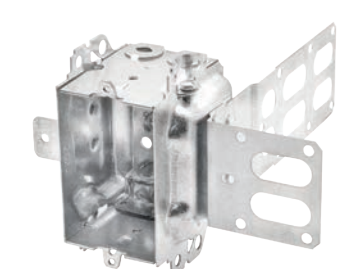
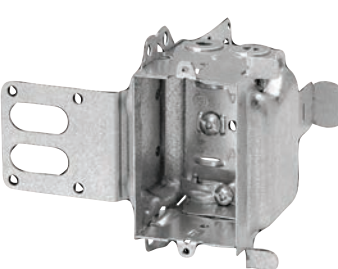
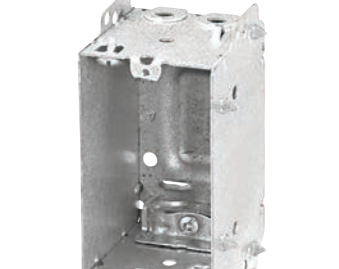
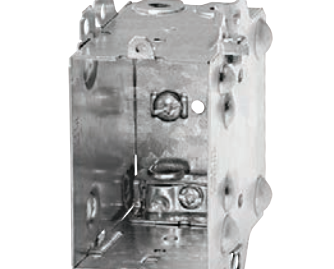
	
CI2104-LLEA	CI2104-LSSAX
Holding prongs and prepositioned depth tabs.	"Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.
	
CI2104-LSSA-2X	CI2104-LSSA-3X
2 gang. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	3 gang. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.



Cat. No.	Width (in.)	Volume (Cu. in.)	Features		Pryouts
			Ears	Bracket	ends
2-1/2 in. Deep — Non-Gangable — 3 in. High					
CI2104-LLEA	2	12.5	-	P. Tabs	4
CI2104-LSSAX	2	12.5	-	P. Tabs	4
CI2104-LSSA-2X	3-3/4	25	-	“SSX”	8
CI2104-LSSA-3X	5-1/2	37.5	-	“SSX”	12
CI2104-LSSA-4X	7-3/8	50.0	-	“SSX”	16

Device Boxes

Armoured and Nonmetallic Sheathed Cable Clamps


















			
CI1504-LSSAX "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	CI3104-LHA Positioning tabs. Provision for external nailing.	BC3104-LSSAX "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	BC3104-LSSAX-5/8 Brackets for use with 5/8 in. drywall.
			
CI3104-LSSA1X-1 1 in. recessed brackets for 2-1/2 in. and 3-5/8 in. steel studs. Brackets positioned for 2 layers of 1/2 in. drywall.	BC3104-LSSX "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	CI2004-LHA Provision for external nailing. Holding prongs and prepositioned depth tabs.	CI1004-LHA Positioning tabs. Provision for external nailing. Two embossed mounting slots for internal screw installation.



Cat. No.	Volume (Cu. in.)	Features		Pryouts
		Ears	Bracket	ends
2-1/2 in. Deep — Non-Gangable — 3 in. x 2-1/4 in.				
CI1504-LSSAX	15.0	-	“SSX”	4
2-1/2 in. Deep — Gangable — 3 in. x 2 in.				
CI3104-LHA	16.0	-	P. Tabs	4
BC3104-LSSAX	16.0	-	“SSX”	4
BC3104-LSSAX-5/8	16.0	-	“SSX”	4
CI3104-LSSA1X-1	16.0	-	“SSX”	4
BC3104-LSSX	16.0		P. Tabs	4
2-3/4 in. Deep — Non-Gangable — 3-3/4 in. x 2-3/16 in.				
CI2004-LHA	18.5	-	P. Tabs	4
3 in. Deep — Gangable — 3 in. x 2 in.				
CI1004-LHA	15.0		P. Tabs	4

Device Boxes

Boxes for ICF Construction

				
BC2104-LMS	BC2104-LMS-2	BC2104-LMS-3	BC2104-LMS-4	
				
BC2104-LMSA	BC2104-LMSA-2	BC2104-LMSA-3	BC2104-LMSA-4	
				
CI3102-LMS	CI3102-LMSA	CI3102-MS	BC52151-KMS	
				
BC54151-LMS	BC54151-LMSA	BC52171-KMS	CI72151-KMS	BC72171-KMS



Cat. No.	Volume (Cu. in.)	Dimensions H x W x D (in.)	Features	Gangable Yes or No
Device Boxes				
BC2104-LMS	12.5	3 x 2 x 2-1/2	BX/Loomex	Yes
BC2104-LMS-2	25.0	3 x 3-3/4 x 2-1/2	Loomex/BX	No
BC2104-LMS-3	37.5	3 x 5-1/2 x 2-1/2	Loomex/BX	No
BC2104-LMS-4	50.0	3 x 7-3/8 x 2-1/2	Loomex/BX	No
BC2104-LMSA	12.5	3 x 2 x 2-1/2	BX/Loomex	No
BC2104-LMSA-2	25.0	3 x 3-3/4 x 2-1/2	BX/Loomex	No
BC2104-LMSA-3	37.5	3 x 5-1/2 x 2-1/2	BX/Loomex	No
BC2104-LMSA-4	50.0	3 x 7-3/8 x 2-1/2	BX/Loomex	No
CI3102-LMS	12.0	3 x 2 x 2	Loomex/BX	Yes
CI3102-LMSA	12.0	3 x 2 x 2	BX/Loomex	Yes
CI3102-MS	12.0	3 x 2 x 2	Conduit	Yes

Cat. No.	Volume (Cu. in.)	Dimensions H x W x D (in.)	Features	Gangable Yes or No
Octagonal Boxes				
BC54151-LMS	15.0	4 x 4 x 1-1/2	Loomex/BX	No
BC54151-LMSA	15.0	4 x 4 x 1-1/2	BX/Loomex	No



Cat. No.	Volume (Cu. in.)	Dimensions H x W x D (in.)	Knockouts			
			1/2 in. sides	1/2 in. bottom	3/4 in. sides	3/4 in. bottom
Conduit Knockouts						
BC52151-KMS	15.0	4 x 4 x 1-1/2	4	2	2	2
BC52171-KMS	30.0	4 x 4 x 2-1/8	4	2	2	2
CI72151-KMS	30.0	4-11/16 x 4-11/16 x 1-1/2	-	2	4	2
BC72171-KMS	42.0	4-11/16 x 4-11/16 x 2-1/8	-	2	4	2

Device Boxes

Stainless Steel Wall Plates

General Usage

Toggle Switch



CI97071



CI97080 (1 gang to 10 gangs)

Duplex Receptacle



CI97101



CI97102

Blank Box Mounting (3.281 in.)

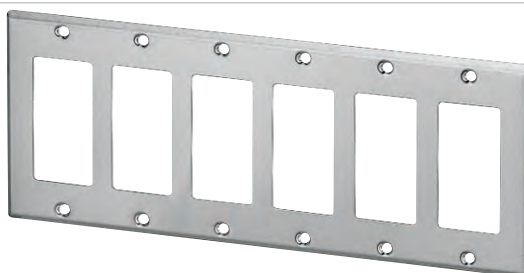


CI97011

GFCI / Decora



CI97401



CI97406 (1 gang to 6 gangs)

Blank Device Mounting (2.375 in.)



CI97121

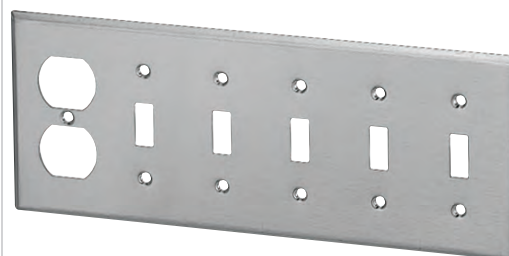


CI97124 (1 gang to 4 gangs)

Combination Switch / Receptacle



CI97532





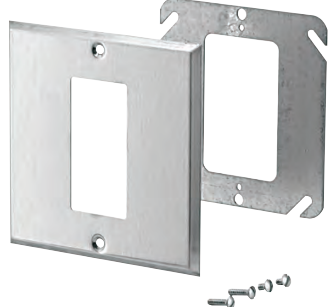


CI97573 (2 gang to 7 gangs)

Device Boxes

Stainless Steel Wall Plates





Specialty Usage

Telephone		Emergency	Single Receptacle	GFCI Conversion Kit
				
* CI97181 3/8 in. opening.	* CI97191 5/8 in. opening.	CI6851-RF ON / OFF	CI97091 1-13/32 in. diameter.	BC97002 For 4 in. square boxes.

347 V Toggle Specialty Usage

For 1204 Series			For MBD / MBS Series
			
CI6851-HV	CI6854-HV 1 gang to 4 gangs	CI6851-HV	CI97074-HVR 1 gang to 4 gangs

347 V Blank

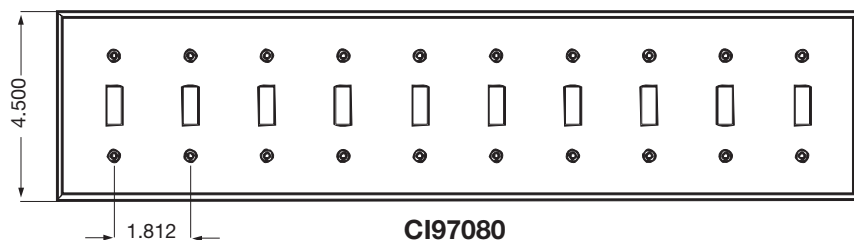
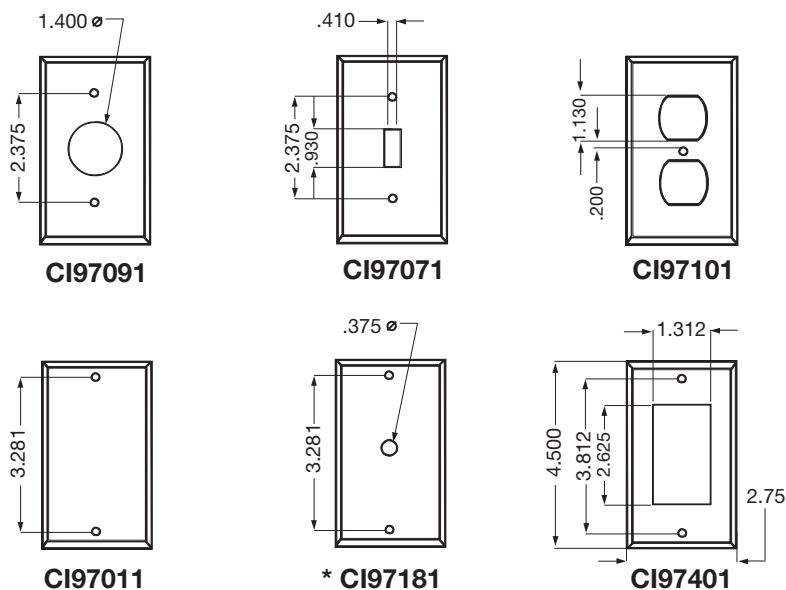
For 1204 Series		For MBD/MBS Series	
			
CI97151-HV	CI97154-HV 1 gang, 2 gangs and 4 gangs	CI97151-HV	CI97154-HVR 1 gang, 2 gangs and 4 gangs

Device Boxes

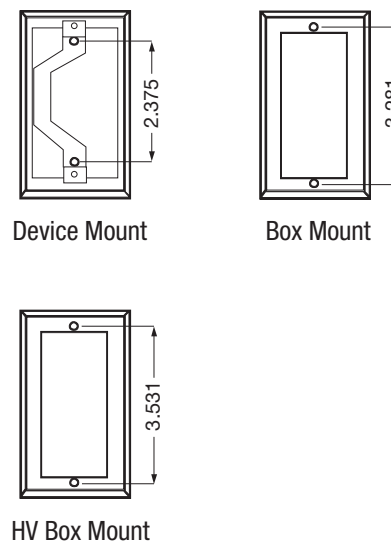
Stainless Steel Wall Plates

Dimensions

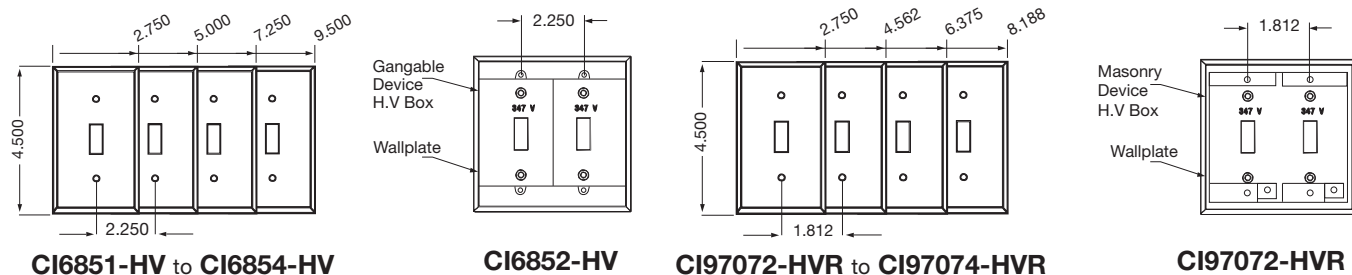
Standard all Plate



Mounting Hole Spacings



347 V Wall Plate




Dimensions are in inches.

Device Boxes

Stainless Steel Wall Plates

Selection Guide

DESCRIPTION	1 GANG	2 GANGS	3 GANGS	4 GANGS	5 GANGS	6 GANGS	7 GANGS	8 GANGS	9 GANGS	10 GANGS
Toggle Switch	CI97071	CI97072	CI97073	CI97074	CI97075	CI97076		CI97078	CI97079	CI97080
Duplex Receptacle	CI97101	CI97102								
Blank Boxes										
Mounting 3.281 in.	CI97011	CI97012	CI97013	CI97014						
Blank Device										
Mounting 2.375 in.	CI97121	CI97122	CI97123	CI97124						
GFCI / Decora	CI97401	CI97402	CI97403	CI97404	CI97405	CI97406				
GFCI Conversion Kit		BC97002								
Combination										
Switch / Receptacle		CI97532			CI97563	CI97573				
15 A Receptacle	CI97091									
Telephone 3/8 in. Opening	* CI97181									
Telephone 5/8 in. Opening	* CI97191									
Emergency On / Off	CI6851-RF									
347 V Toggle										
for 1204 Series	CI6851-HV	CI6852-HV	CI6853-HV	CI6854-HV						
347 V Blank										
for 1204 Series	CI97151-HV	CI97152-HV		CI97154-HV						
347 V Toggle	USE									
for MBD and MBS Series	CI6851-HV	CI97072-HVR	CI97073-HVR	CI97074-HVR						
347 V Blank	USE									
for MBD and MBS Series	CI97151-HV	CI97152-HVR		CI97154-HVR						

 * Not applicable.





Technical Specifications



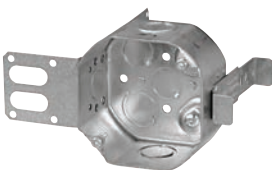


Type 430 Stainless Steel

- 16% chrome
- Corrosion resistant
- Recommended for industrial, commercial and institutional applications
- Supplied with nickel plated brass screws
- 1 to 3 gangs — Vertically Brushed
- 4 gangs and up — Horizontally Brushed

4 in. Octagonal Boxes

Conduit Knockouts

			
BCOBEX	BC56111	BC54151-K	CI54151-KSSX
Octagonal box extension.	Ceiling pan.	Concentric knockouts.	Concentric knockouts. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.

				
BC55151-K	BC54171-K	CI54171-KSSX	CI54171-KSSX-1	CI55171-K
Extension ring with ground screw. Concentric knockouts.	Concentric knockouts.	Concentric knockouts. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.	Mounting strap (offset for 2 x 1/2 in. drywall thicknesses).	Extension ring with ground screw. Concentric knockouts.

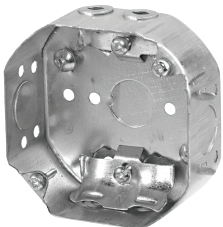
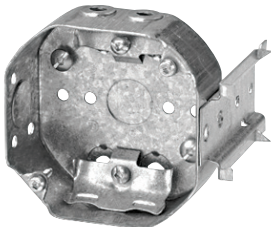
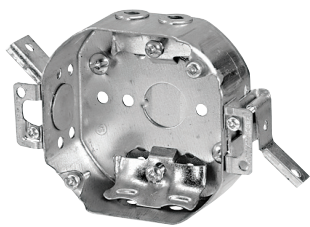
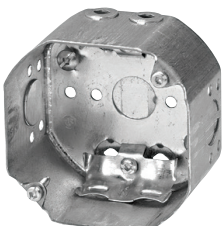
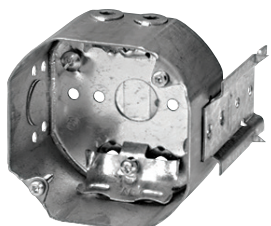
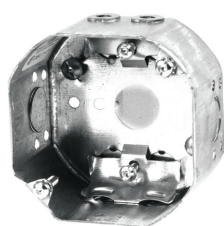


Cat. No.	Description
1/2 in. Deep — Extensions	
BCOBEX	Extension for octagonal boxes. 1/2 in. non-adjustable depth Complete with mounting screws (5 cu. in.)

Cat. No.	Volume (Cu. in.)	Features		Knockouts			
		Bracket	Raised Ground Screw	1/2 in. sides	1/2 in. bottom	3/4 in. sides	3/4 in. bottom
1-1/2 in. Deep							
BC56111	5.0	-	yes	-	4	-	-
1-1/2 in. Deep							
BC54151-K	15.0	-	yes	4	4	2	2
CI54151-KSSX	15.0	“SSX”	yes	2	4	2	2
BC55151-K	15.0	-	yes	4	-	2	-
2-1/8 in. Deep							
BC54171-K	21.0	-	yes	4	4	2	2
CI54171-KSSX	21.0	“SSX”	yes	2	4	2	2
CI54171-KSSX-1	21.0	“SSX-1”	yes	2	4	2	2
CI55171-K	21.0	-	yes	4	-	2	-

4 in. Octagonal Boxes

Nonmetallic Sheathed Cable Clamps

		
BC54151-L	BC54151-LB	BC54151-LD
Prepositioned depth tabs recessed 1/2 in.	Side bracket, with holding prongs and prepositioned depth tabs.	Swing-arm" rework brackets. Max. wall thickness: 3/4 in.. Max. load capacity: 12 lb. (5.5 kg).
		
BC54171-L	BC54171-LB	CI54171-LF
	Side bracket, with holding prongs.	Ceiling fan box. (Supplied with 2 #10-32 machine screws and star washers.) Max. load capacity: 35 lb. (15.6 kg).



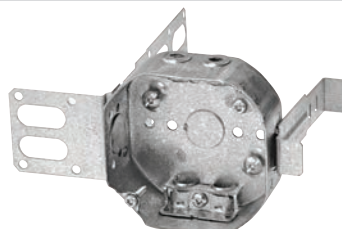
Cat. No.	Volume (Cu. in.)	Features		Knockouts		Pryouts	
		Bracket	Raised Ground Screw	1/2 in. sides	1/2 in. bottom	sides	bottom
1-1/2 in. Deep							
BC54151-L	15.0	-	yes	2	1	4	4
BC54151-LB	15.0	“B”	yes	1	1	4	4
BC54151-LD	15.0	rework	yes	-	1	4	4
CI54151-LF	15.0	-	yes	2	1	4	4
2-1/8 in. Deep							
BC54171-L	21.0	-	yes	2	1	4	4
BC54171-LB	21.0	“B”	yes	1	1	4	4
BC54171-LD	21.0	rework	-	-	1	4	4
CI54171-LF	21.0	-	yes	2	1	4	4

FOR USE WITH NONMETALLIC SHEATHED CABLE ONLY

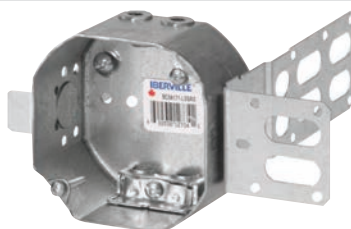
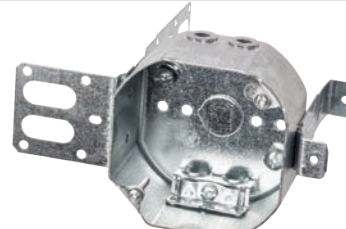
Note: CEC 2012 rule 30-302: Subrule (4) requires that a ceiling-mounted luminaire weighing 23 kg or less be supported on a ceiling outlet box attached directly to the building structure. A bar hanger may also be used to attach a ceiling outlet box to the building structure when the luminaire weighs 23 kg or less.

4 in. Octagonal Boxes

Armoured and Nonmetallic Sheathed Cable Clamps


BC54151-LA

BC54151-LSSAX

"Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs.
With integral support bracket.


BC54171-LA

BC54171-LSSAX

BC54171-LSSAX-5/8

Brackets for use with 5/8 in. drywall.



Cat. No.	Volume (Cu. in.)	Features		Knockouts		Pryouts	
		Bracket	Raised Ground Screw	1/2 in. sides	1/2 in. bottom	sides	bottom
1-1/2 in. Deep							
BC54151-LA	15.0	-	yes	2	1	4	-
BC54151-LSSAX	15.0	“SSX”	yes	-	1	4	-
2-1/8 in. Deep							
BC54171-LA	21.0	-	yes	2	1	4	-
BC54171-LSSAX	21.0	“SSX”	yes	-	1	4	-
BC54171-LSSAX-5/8	21.0	“SSX”	yes	-	1	4	-

4 in. Octagonal Boxes

Covers

			
BC54-C-1	BC54-C-6	CI54-C-64	BC54-C-65
			
BC54-C-94	BC54-COV	BC54-COV-1	



Cat. No.	Description
4 in. Round Covers	
BC54-C-1	Flat blank
BC54-C-6	Flat with 1/2 in. conduit knockout
CI54-C-64	Flat for 1-13/32 in. diameter. 15 A single receptacle. Device mounting screws included
BC54-C-65	Flat for duplex receptacle. Device mounting screw included
BC54-C-94	Flat for toggle switch. Device mounting screws included
5 in. Round Covers (White Enamel Paint)	
BC54-COV	Flat with 1/2 in. conduit knockout. Mounting screws included
BC54-COV-1	Flat blank. Mounting screws included

4 in. Square Boxes

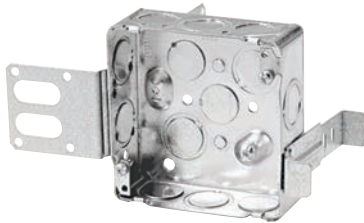
Conduit Knockouts


BC52151-K

Concentric knockouts.


CI52151-KSB

Concentric knockouts.


BC52151-KSSX

Concentric knockouts. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket.


BC53151-K



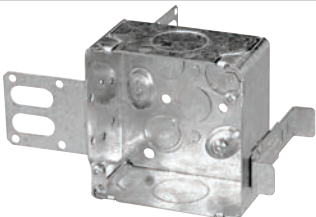



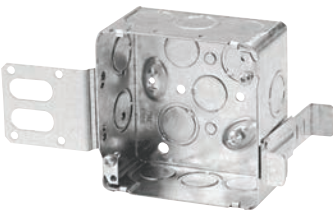
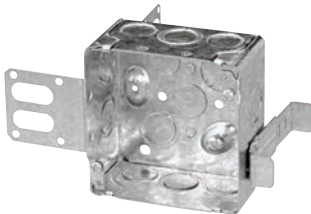
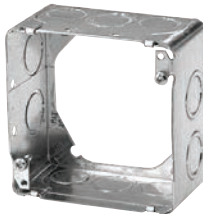
Concentric knockouts.



Cat. No.	Volume (Cu. in.)	Features		Knockouts			
		Bracket	Raised Ground Screw	1/2 in. sides	1/2 in. bottom	3/4 in. sides	3/4 in. bottom
1-1/2 in. Deep							
BC52151-K	21.0	-	yes	10	4	6	2
CI52151-KSB	21.0	“SB”	yes	8	4	4	2
BC52151-KSSX	21.0	“SSX”	yes	7	4	3	2
BC53151-K	21.0	-	-	10	-	6	-

4 in. Square Boxes

Conduit Knockouts

			
BC52171-HV-KIT	BC52171-KSSXHVKIT		
			
CI52171-1-SSX-1	CI52171-1	BC52171-K	
<p>"Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Present for 2 x 1/2 in. drywall thickness.</p>		<p>Concentric knockouts.</p>	
			
CI52171-KSB	BC52171-KSSX	CI52171-KSSX-1	BC53171-K
<p>Concentric knockouts.</p>	<p>Concentric knockouts. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Present for 1 x 1/2 in. drvwll thickness.</p>	<p>Concentric knockouts. "Wraparound" bracket for 2-1/2 in. and 3-5/8 in. steel studs. With integral support bracket. Present for 2 x 1/2 in. drvwll thickness.</p>	<p>Concentric knockouts.</p>



Cat. No.	Volume (Cu. in.)	Features		Knockouts				
		Bracket	Raised Ground Screw	1/2 in. sides	1/2 in. bottom	3/4 in. sides	3/4 in. bottom	1 in. sides
2-1/8 in. Deep								
BC52171-HV-KIT	33.6	-	yes	6	-	2	-	-
BC52171-KSSXHVKIT	33.6	“SSX”	yes	6	-	2	-	-
CI52171-1	30.0	-	yes	-	4	-	2	4
CI52171-1-SSX	21.0	“SSX”	yes	-	4	-	2	2
CI52171-1-SSX-1	21.0	“SSX”	yes	-	4	-	2	2
BC52171-K	30.0	-	yes	10	4	6	2	-
CI52171-KSB	30.0	“SB”	yes	8	4	4	2	-
BC52171-KSSX	30.0	“SSX”	yes	7	4	3	2	-
CI52171-KSSX-1	30.0	“SSX”	yes	7	4	3	2	-
BC53171-K	30.0	-	-	10	-	6	-	-

4 in. Square Boxes

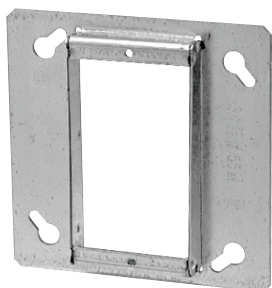
Covers



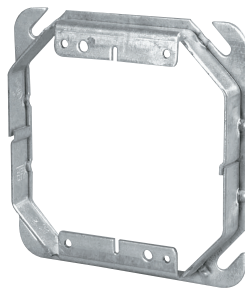
Cat. No.	Description
Flat Covers	
BC52-C-1	Blank
BC52-C-6	1/2 in. conduit knockout
Plaster Ring Cover	
CI52-C-3	Raised 1/2 in. (3.4 cu. in.) Tapped ears on 2-3/4 in. centers
Single Device Covers	
BC52-C-0	Flat
BC52-C-0-B	Flat blank cover
CI52-C-10	Raised 1/8 in. (1.0 cu. in.)
BC52-C-13	Raised 1/2 in. (3.6 cu. in.)
CI52-C-14	Raised 3/4 in. (5.7 cu. in.)
CI52-C-14-5/8	Raised 5/8 in. (4.3 cu. in.)
CI52-C-15	Raised 7/8 in. (6.8 cu. in.)
CI52-C-16	Raised 1-1/4 in. (9.5 cu. in.)
CI52-C-62	Raised 1/4 in. (1.8 cu. in.)
Two Device Covers	
BC52-C-00	Flat
BC52-C-17	Raised 1/2 in. (6.2 cu. in.)
CI52-C-18	Raised 3/4 in. (10.3 cu. in.)
CI52-C-18-5/8	Raised 5/8 in. (8.3 cu. in.)

4 in. Square Boxes

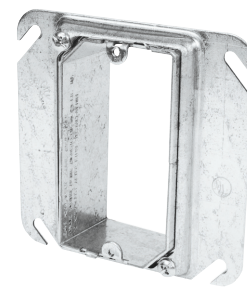
Covers



BC52C49-1/2 to CI52-C-51-2



52 C 52 1/2 to 52 C 54 2



52CADJ



Cat. No.	Description
One Device Square Cornered Tile Covers	
BC52C49-1/2	Raised 1/2 in. (3.4 cu. in.)
BC52C49-3/4	Raised 3/4 in. (5.3 cu. in.)
BC52-C-49-5/8	Raised 5/8 in. (4.3 cu. in.)
BC52-C-49-1	Raised 1 in. (6.8 cu. in.)
CI52-C-49-1 1/4	Raised 1-1/4 in. (8.6 cu. in.)
CI52-C-50-1 1/2	Raised 1-1/2 in. (10.0 cu. in.)
CI52-C-51-2	Raised 2 in. (14.0 cu. in.)
One Device Square Cornered Tile Covers - Adjustable	
52CADJ	Adjustable from 1/2 in. to 1-1/2 in. raise (from 3.4 to 10.0 cu. in.)
Two Device Square Cornered Tile Covers	
52 C 52 1/2	Raised 1/2 in. (6.0 cu. in.)
52 C 52 5/8	Raised 5/8 in. (8.3 cu. in.)
52 C 52 3/4	Raised 3/4 in. (9.0 cu. in.)
52 C 52 1	Raised 1 in. (12.5 cu. in.)
52 C 52 1 1/4	Raised 1-1/4 in. (15.5 cu. in.)
52 C 53 1 1/2	Raised 1-1/2 in. (19.0 cu. in.)
52 C 54 2	Raised 2 in. (25.5 cu. in.)

4 in. Square Boxes

Covers


BC8361

BC8362

BC8363

BC8364

BC8365

BC8366

BC8367

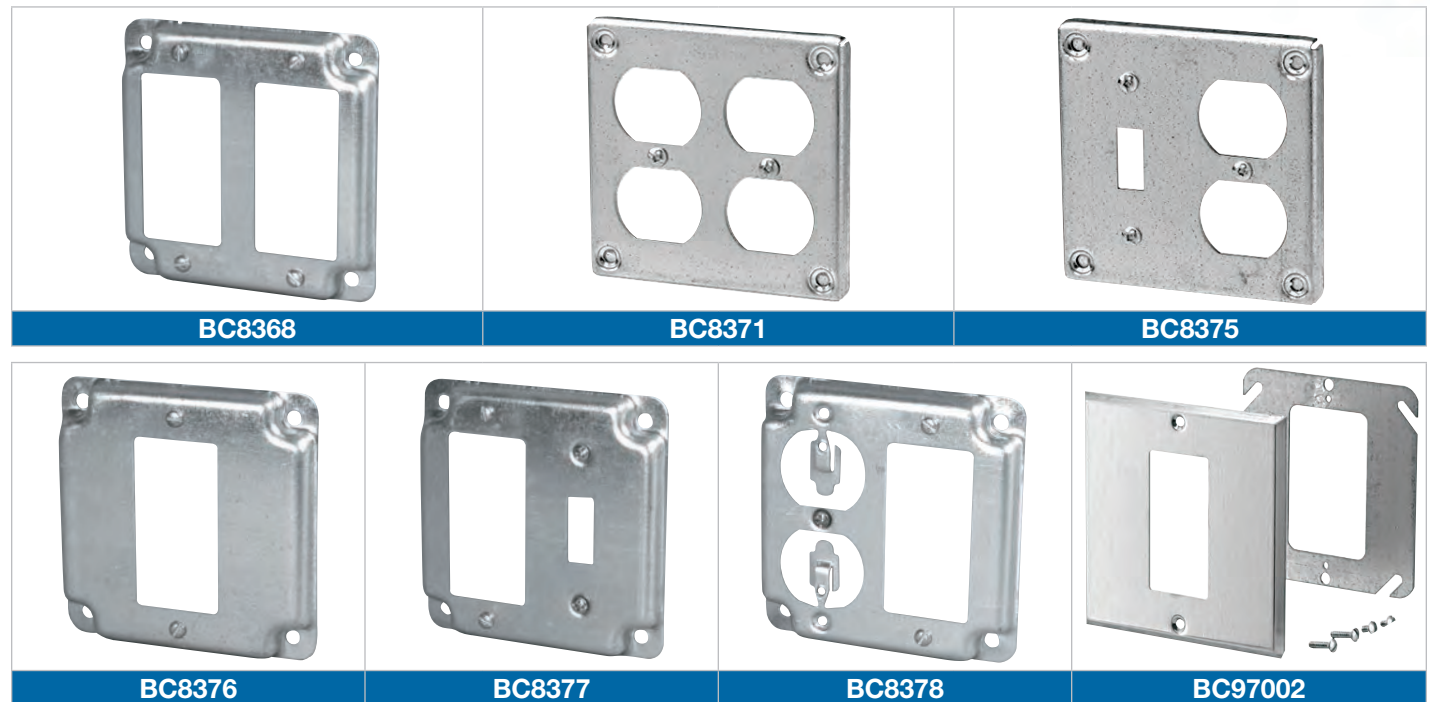

Cat. No.	Description
3/8 in. Raised Surface Covers (4.6 cu. in.) Device Mount	
BC8361	One toggle switch
BC8362	For 2-5/8 in. diameter 30 / 50 A single receptacle
BC8363	For 1-13/32 in. diameter 15 A single receptacle
BC8364	For 1-19/32 in. diameter 20 / 30 A single locking receptacle
BC8365	One duplex receptacle
BC8366	For 2-9/64 in. diameter 30 A single receptacle
BC8367	Two toggle switches

Complete with device mounting screws

NEMA Configuration							
Cover	A	V	Pole	Wire	Phase	Rec. Dia	NEMA
BC8363	15	125	2	3	1	1.406	5-15R
BC8364	20	125	2	3	1	1.562	L5-20R
BC8364	20	250	2	3	1	1.562	L6-20-R
BC8364	20	347	2	3	1	1.562	L24-20R
BC8364	20	600	2	3	1	1.562	L9-20R
BC8364	20	125/250	3	3	1	1.562	L10-20R
BC8364	20	250	3	3	3	1.562	L11-20R
BC8364	20	125/250	3	4	3	1.562	L14-20R
BC8366	30	125	2	3	1	2.109	5-30R
BC8364	30	125	2	3	1	1.562	L5-30R
BC8366	30	250	2	3	1	2.109	6-30R
BC8364	30	250	2	3	1	1.562	L6-30R
BC8362	30	125/250	3	4	3	2.647	14-30R
BC8362	50	125/250	3	4	1	2.647	14-50R

4 in. Square Boxes

Covers




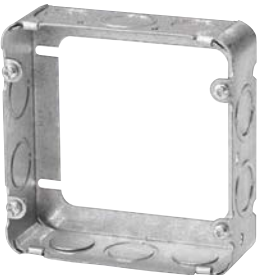
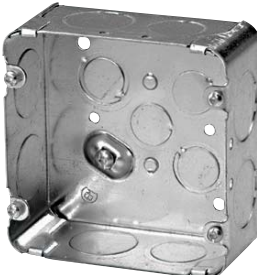

Cat. No.	Description
3/8 in. Raised Surface Covers (4.6 cu. in.)	
BC8368	2 Decora/GFCI
BC8371	Two duplex receptacles
BC8375	One toggle switch, one duplex receptacle
BC8376	One Decora/GFCI
BC8377	One toggle switch, one Decora/GFCI
BC8378	One duplex receptacle, one Decora/GFCI
GFCI Conversion Kits (Stainless Steel / Steel)	
BC97002	To install GFCI on 4 in. square boxes. Complete with mounting screws

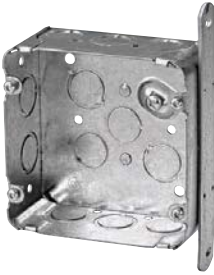
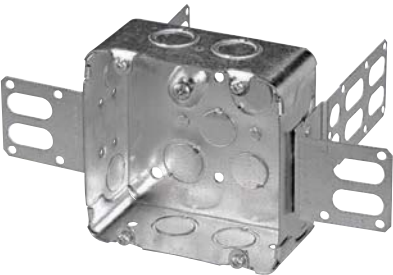
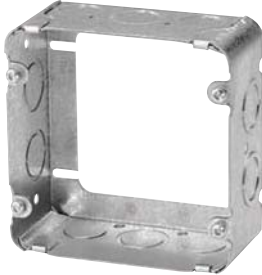
Complete with device mounting screws

When extra capacity is required, the 8300 Series of 4 in. square covers can be mounted on a 72 Series of 4-11/16 in. square boxes using a CI72-A-52 adaptor. (see page A41)

4-11/16 in. Square Boxes

Conduit Knockouts

			
CI72151-K	BC73151-K	CI72171-1	BC72171-K
Concentric knockouts.	Concentric knockouts.	1" knockouts.	Concentric knockouts.

		
CI72171-KSB	CI72171-KSSX	BC73171-K
Concentric knockouts.	Concentric knockouts / "Wraparound" brackets for 2-1/2 in. and 3-5/8 in. steel studs.	Concentric knockouts.



Cat. No.	Volume (Cu. in.)	Features		Knockouts				
		Bracket	Raised Ground Screw	1/2 in. sides	1/2 in. bottom	3/4 in. sides	3/4 in. bottom	1 in. sides
1-1/2 in. Deep								
CI72151-K	30.0	-	yes	10	4	6	2	-
BC73151-K	30.0	-	-	10	-	6	-	-
2-1/8 in. Deep								
CI72171-1	42.0	-	yes	-	4	2	2	6
BC72171-K	42.0	-	yes	10	4	6	2	-
CI72171-KSB	42.0	“SB”	yes	8	4	2	2	-
CI72171-KSSX	42.0	“SSX”	yes	4	4	4	2	-
CI72171-1-SSX	42.0	“SSX”	yes	-	4	2	2	4
BC73171-K	42.0	-	-	10	-	6	-	-

4-11/16 in. Square Boxes

Covers

		
BC72-C-1	BC72-C-6	CI72-C-10 / CI72-C-13 / CI72-C-14
		
BC72-C-17	CI72-A-52	



Cat. No.	Description
Flat Covers	
BC72-C-1	Blank
BC72-C-6	With concentric 1/2 in. and 3/4 in. conduit knockout
Single Device Covers	
CI72-C-10	Raised 1/8 in. (1.7 cu. in.)
CI72-C-13	Raised 1/2 in. (4.3 cu. in.)
CI72-C-14	Raised 3/4 in. (6.2 cu. in.)
Two Device Covers	
BC72-C-17	Raised 1/2 in. (6.4 cu. in.)
Adaptors	
CI72-A-52	To install 4 in. square covers on 4-11/16 in. square boxes. Raised 1/4 in. (3.0 cu. in.)

Utility Boxes and Covers

			
CI2018	CI2018-SB	BC2020	BC2020-R
			
BC20-C-1	BC20-C-3	BC20-C-4	BC20-C-5



Cat. No.	Volume (Cu. in.)	Features		Knockouts		
		Bracket	Raised Ground Screw	1/2 in. ends	1/2 in. bottom	1/2 in. sides
1-1/2 in. Deep — 4 in. x 2-1/4 in.						
CI2018	13.0	-	no	2	2	6
CI2018-SB	13.0	“SB”	no	2	2	3
1-7/8 in. Deep — 4 in. x 2-1/8 in.						
BC2020	14.0	-	yes	2	2	6
BC2020-R	14.0	-	-	2	-	6

Cat. No.	Description
Covers — 20 Series	
BC20-C-1	For duplex receptacle
BC20-C-3	For 1-13/32 in. diameter 15 A single receptacle
BC20-C-4	Blank
BC20-C-5	For toggle switch

Note: BC2020-R can be installed on CI2018 / BC2020 Series
Covers: Device mounting screws included

Utility Boxes and Covers

								
CI1141	BC1110	CI1110-SB	BC1110-LSKO					
								
BC1110-SSX	BC1110-R	1151 (For toggle switch)	1198 (For Decora or DDFT)	1199 (For duplex receptacle)				
								
BC11-C-1	BC11-C-2	BC11-C-3	BC11-C-4	BC11-C-5	BC11-C-10	CI11-C-10-HV	BC11-C-4-HV	BC11-C-5-HV



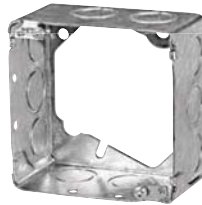


Cat. No.	Volume (Cu. in.)	Features		Knockouts		
		Bracket	Raised Ground Screw	1/2 in. ends	1/2 in. bottom	1/2 in. sides
1-1/2 in. Deep – 4 in. x 2-1/4 in.						
CI1141	13.0	mounting ears	no	2	2	6
1-7/8 in. Deep – 4 in. x 2-3/8 in.						
BC1110	16.5	-	yes	2	2	6
CI1110-SB	16.5	“SB”	yes	2	2	3
BC1110-R	16.5	-	-	2	-	6
2-1/8 in. Deep – 4 in. x 2-1/2 in.						
1151	18.5	-	yes	2	2	-
1198	18.5	-	yes	2	2	-
1199	18.5	-	yes	2	2	-
1-7/8 in. Deep – 4 in. x 2-3/8 in.						
BC1110-LSK0	16.5	-	yes	2	2	-
BC1110-SSX	16.5	“SSX”	yes	2	2	-

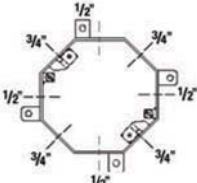
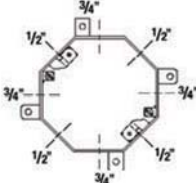
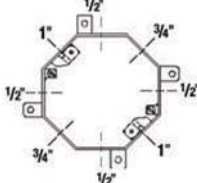
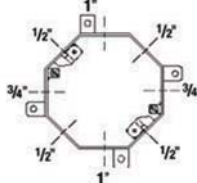
Cat. No.	Description	Cat. No.	Description
Covers – 11 Series			
BC11-C-1	For duplex receptacle	BC11-C-10	Decora/GFCI
BC11-C-2	For 1-19/32 in. diameter 20 A single locking receptacle	CI11-C-10-HV	Decora 347 V
BC11-C-3	For 1-13/32 in. diameter 15 A single receptacle	BC11-C-4-HV	Blank 347 V
BC11-C-4	Blank	BC11-C-5-HV	For toggle switch
BC11-C-5	For toggle switch		

Note: Covers: Device mounting screws included

Concrete Rings and Accessories

			
BCCWB-18	CI54531	CI54571	CI53171-ER
	(Shown with cover installed.)		Extension ring. Mounts directly on concrete rings.

		
CI54581 / CI54591	CI54560	CICBA

SKETCH A Knockout Configuration	SKETCH B Knockout Configuration	SKETCH C Knockout Configuration	SKETCH D Knockout Configuration
			

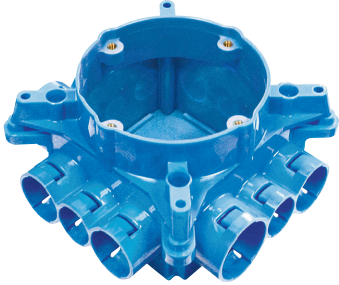
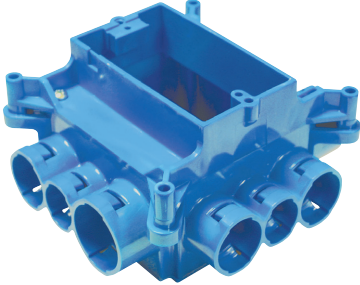
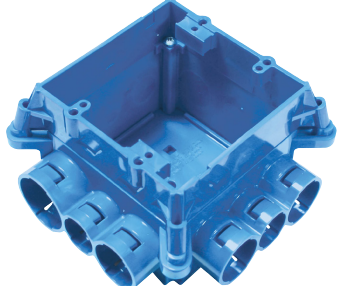



Cat. No.	Volume (Cu. in.)	Dimensions	Knockouts			Sketch
		H x W x D (in.)	1/2 in. sides	3/4 in. sides	1 in. sides	
2-1/2 in. Deep						
BCCWB-18	18.0	3 x 2 x 2-1/2	-	4	-	-
Concrete Rings						
CI54531	24.0	4 x 4 x 2	4	4	-	A
CI54541	30.0	4 x 4 x 2-1/2	4	4	-	B
CI54551	36.0	4 x 4 x 3	4	4	-	B
CI54561	42.0	4 x 4 x 3-1/2	4	4	-	B
CI54571	48.0	4 x 4 x 4	4	2	2	C
CI54581	60.0	4 x 4 x 5	4	2	2	D
CI54591	72.0	4 x 4 x 6	4	2	2	D
Extension Rings						
CI53171-ER	30.0	4 x 4 x 2-1/8	10	6	-	-

Cat. No.	Description
Accessories	
CI54560	Round cover with 5 - 1/2 in. knockouts. One cover supplied with each concrete ring
CICBA	For quick mounting and alignment of octagonal extension ring (BC55151-K, CI55171-K) on concrete ring

Note: One CI54560 cover is supplied with each concrete ring

Concrete Rings / Mud Boxes

	
A863CFG Mud box with ceiling ring.	A863SG Mud box with one-gang ring.
	
A863DG Mud box with two-gang ring.	A863CFGF Mud box assemblies with mounting feet.



Cat. No.	Volume (Cu. in.)	Features	Hub Sizes		
			1/2 in.	3/4 in.	1 in.
Concrete Rings / Mud Boxes					
A863CFG	41.8	-	4	6	2
A863SG	37.3	-	4	6	2
A863DG	44.0	-	4	6	2
A863CFGF	41.8	Mounting Feet	4	6	2
A863CSGF	37.3	Mounting Feet	4	6	2
A863CDGF	44.0	Mounting Feet	4	6	2
Reducers					
A273DE	3/4 in. to 1/2 in.	-	-	-	-
A273EF	1 in. to 3/4 in.	-	-	-	-

Carlon® Mud Box Assemblies w/Mounting Feet are specifically engineered and designed for use in Tunnel Form applications. The mounting feet are located on all four corners and allow the box to attach directly to the wall of the form using pop rivets. The pop rivets help keep the box in position during the pour and provide a safe, secure, and rust resistant mount.

Masonry Boxes and Accessories



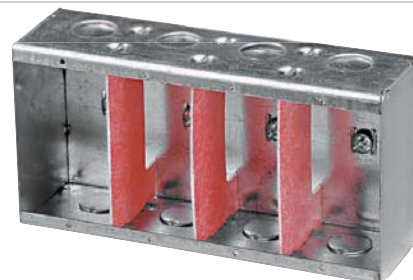
Cat. No.	Volume (Cu. in.)	Number of Gangs	Width (in.)	1/2 in. and 3/4 in. Concentric Knockouts			1/2 in., 3/4 in. and 1 in.
				sides	bottom	ends	Concentric KOs (ends)
2-1/2 in. Deep x 3-3/4 in. High							
CIMBS-1-K	14.0	1	2	4	2	2	-
CIMBS-2-K	28.0	2	3-25/32	4	4	4	-
CIMBS-3-K	42.0	3	5-19/32	4	6	6	-
CIMBS-4-K	56.0	4	7-13/32	4	8	8	-
CIMBS-5-K	70.0	5	9-7/32	4	10	10	-
CIMBS-6-K	84.0	6	11-1/32	4	12	12	-
3-1/2 in. Deep x 3-3/4 in. High							
BCMBD-1-K	21.0	1	2	8	2	3	1
CIMBD-2-K	42.0	2	3-25/32	8	4	6	2
CIMBD-3-K	63.0	3	5-19/32	8	6	9	3
CIMBD-4-K	84.0	4	7-13/32	8	8	12	4
CIMBD-5-K	105.0	5	9-7/32	8	10	15	-
CIMBD-6-K	126.0	6	11-1/32	8	12	18	-

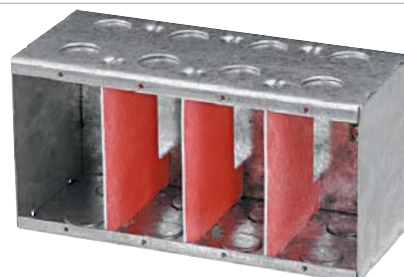
Note: On multi-gang boxes, lateral spacing between mounting holes is 1-13/16 in.

Cat. No.	Description
Accessories	
CIMBS-P	Steel partition for MBS 2-1/2 in. deep masonry boxes
CIMBD-P	Steel partition for MBD 3-1/2 in. deep masonry boxes

In accordance with C.E.C. 2012 Edition, Rule 12-3030: Conductors that are connected to different power or distribution transformers or other different sources of voltage shall not be installed in the same box, cabinet, or fitting unless a barrier of sheet steel not less than 1.3 mm thick or a flame-retardant nonmetallic insulating material not less than 1.6 mm in thickness is used to divide the space into separate compartments for the conductors of each system.

347 V Boxes


CIMBS-1-HV

CIMBS-4-HV (1 gang to 4 gangs)

CIMBD-1-HV

CIMBD-4-HV (1 gang to 4 gangs)


Cat. No.	Volume (Cu. in.)	Number of Gangs	Width (in.)	Knockouts
				1/2 in. ends
2-3/8 in. Deep x 4 in. High				
CIMBS-1-HV	20.25	1	2-1/4	2
CIMBS-2-HV	20.25 / gang	2	4-1/16	4
CIMBS-3-HV	20.25 / gang	3	5-7/8	6
CIMBS-4-HV	20.25 / gang	4	7-11/16	8
3-3/8 in. Deep x 4 in. High				
CIMBD-1-HV	22.5	1	2-1/4	4
CIMBD-2-HV	22.5 / gang	2	4-1/16	8
CIMBD-3-HV	22.5 / gang	3	5-7/8	12
CIMBD-4-HV	22.5 / gang	4	7-11/16	16

Note: All HV boxes have tapped holes spaced 3-17/32 in. to accommodate 347 V switches. Standard lateral spacing 1-13/16 in., on pre-ganged boxes. Pre-ganged boxes include fibre partitions

Partitions Only

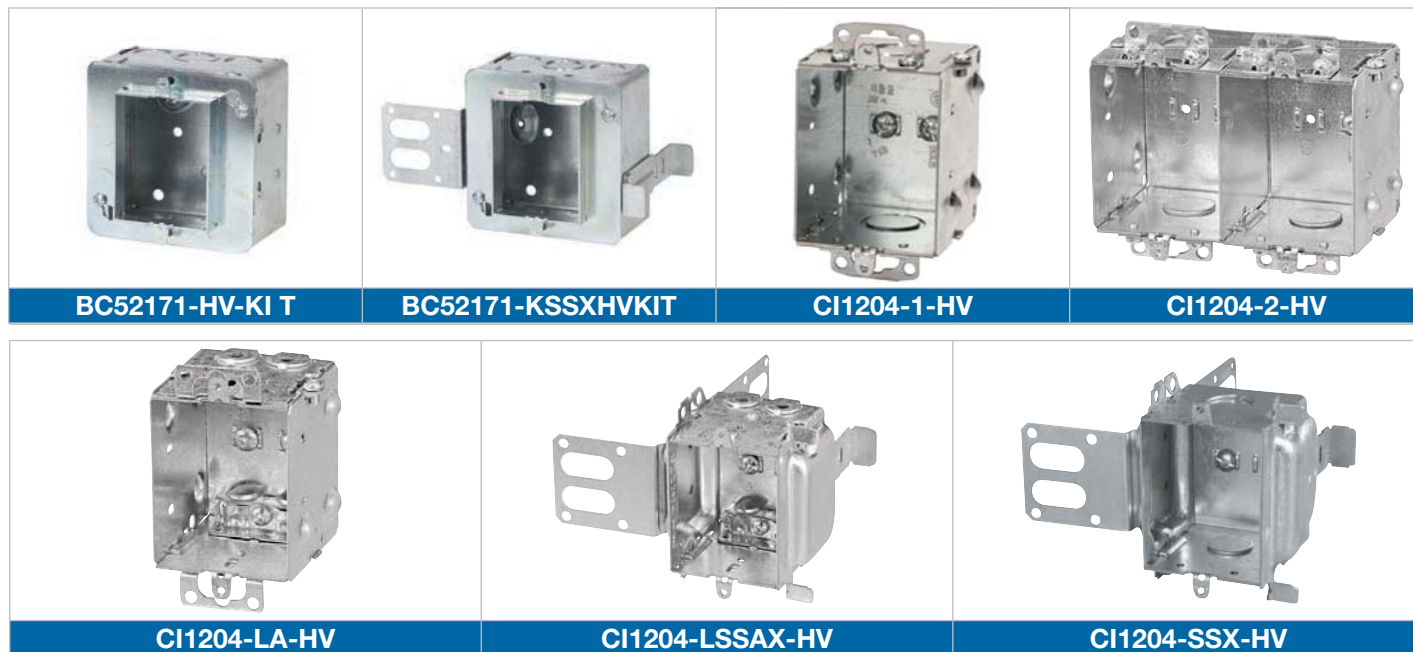
Accessories

CIMBS-HV-PART

CIMBD-HV-PART

347 V Boxes

Boxes and Kits





Cat. No.	Volume (Cu. in.)	Number of Gangs	Dimensions	Features			Knockouts	Pryouts
			H x W x D (in.)	Ears	Clamps	Brackets	1/2 in. ends	ends
2-1/2 in. Deep — Gangable								
BC52171-HV-KIT	33,6	1	4 x 4 x 2-1/8	-	-	-	2	-
BC52171-KSSXHVKIT	33,6	1	4 x 4 x 2-1/8	-	-	-	2	-
CI1204-1-HV	16.0	1	3 x 2-1/4 x 2-1/2	recessed	-	-	2	-
CI1204-2-HV	32.0	2	3 x 4-1/2 x 2-1/2	recessed	-	-	4	-
CI1204-LA-HV	16.0	1	3 x 2-1/4 x 2-1/2	flush	BX	-	-	4
CI1204-LSSAX-HV	16.0	1	3 x 2-1/4 x 2-1/2	-	BX	“SSX”	-	4
CI1204-SSX-HV	16.0	1	3 x 2-1/4 x 2-1/2	-	-	“SSX”	2	-
CI1204-SS1X-HV	16.0	1	3 x 2-1/4 x 2-1/2	-	-	“SSX”	2	-
CI1204-LSSAX-HV-1	16.0	1	3 x 2-1/4 x 2-1/2	-	BX	“SSX”	-	4

Note: All HV boxes have tapped holes spaced 3-17/32 in. to accommodate 347 V switches. CI1204-2-HV includes CIHVP partition. On multigang boxes lateral spacing 2-1/4 in. When ganged, CIHVP partition must be installed between spacers.

347 V Boxes

Covers

		
CI1110-HV	BC11-C-4-HV	BC11-C-5-HV
		
CI11-C-10-HV	CIFS-1G-1/2-HV / CIFS-1G-3/4-HV	CIFS-9-HV
Includes stamped aluminum "FS" cover.		



Cat. No.	Volume (Cu. in.)	Number of Gangs	Dimensions	Features	Knockouts
			H x W x D (in.)	Raised Ground Screw	1/2 in. ends
1-7/8 in. Deep					
CI1110-HV	16.5	1	4 x 2-3/8 x 1-7/8	yes	2
347 V “FS” Box Kits — 1-7/8 in. Deep (Cast Aluminum)					
CIFS-1G-1/2-HV	14.0	1	6 x 2-13/16 x 1-7/8	yes	1 x 1/2 hub
CIFS-1G-3/4-HV	14.0	1	6 x 2-13/16 x 1-7/8	yes	1 x 3/4 hub

Note: All HV boxes have tapped holes spaced 3-17/32 in. to accommodate 347 V switches.

Cat. No.	Description
347 V Utility Box Covers	
BC11-C-4-HV	Blank
BC11-C-5-HV	One toggle switch
CI11-C-10-HV	Decora
347 V "FS" Cover (Stamped Aluminum)	
CIFS-9-HV	One toggle switch

Mounting screws included

347 V Boxes

Covers and Accessories


CIHVP

CISBEX-HV

CI6851-HV

CI6852-HV

CI6853-HV

CI6854-HV

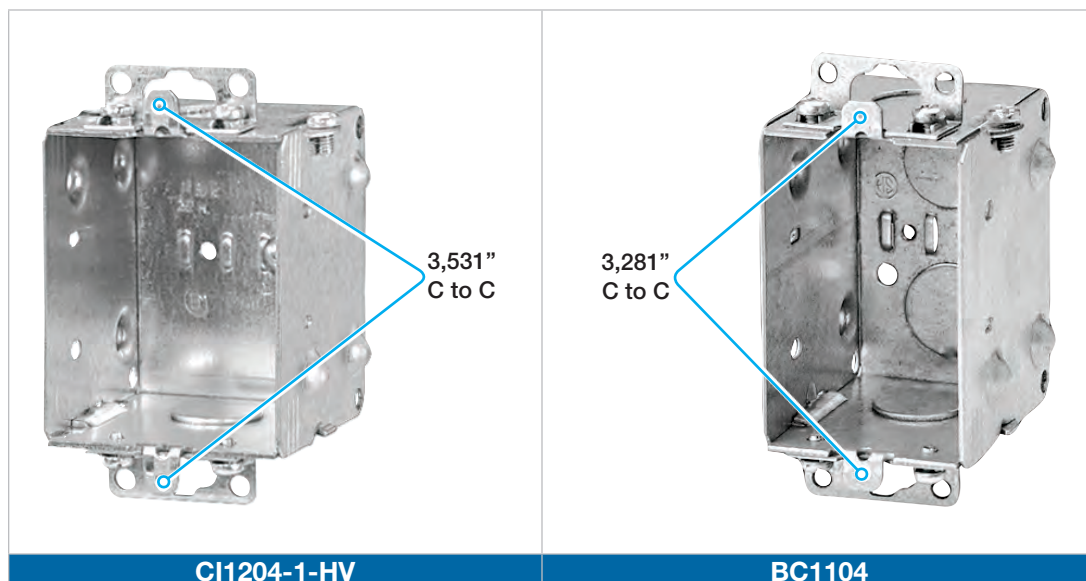

Cat. No.	Description
347 V Stainless Steel Wall Plates (for CI1204-HV Boxes)	
CI6851-HV	Single 347 V toggle switch
CI6852-HV	Two 347 V toggle switches
CI6853-HV	Three 347 V toggle switches
CI6854-HV	Four 347 V toggle switches

Note: Device mounting screws included. Lateral spacing 2-1/4" on CI6852-HV / CI6853-HV / CI6854-HV

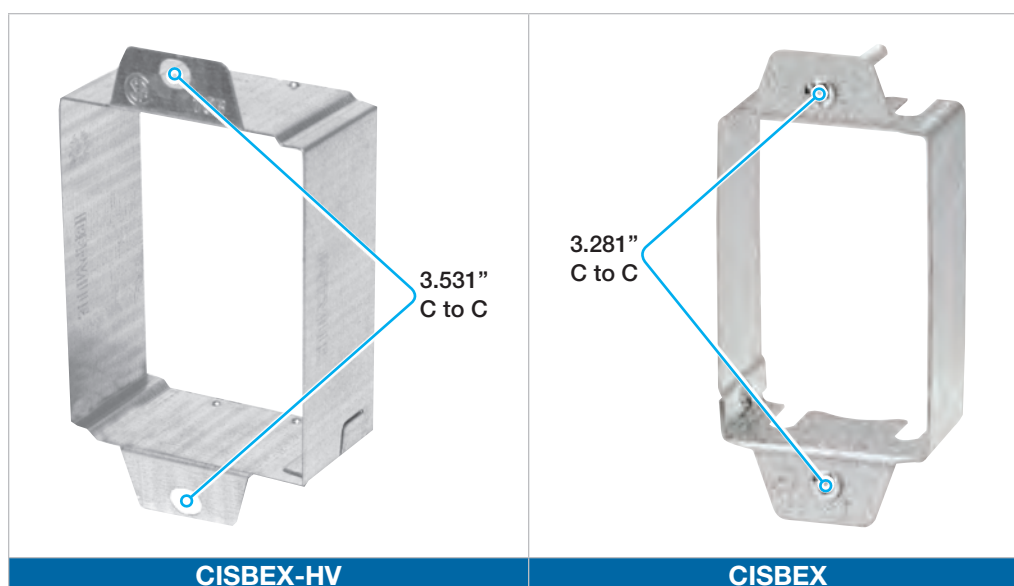
Cat. No.	Description
347 V Partitions (Steel)	
CIHVP	High voltage partition to be used with 347 V boxes (CI1204 series) when ganged
347 V Device Box Extension	
CISBEX-HV	2 in. x 3 in. 347 V – Maximum adjustable depth – 1-7/8 in. – Complete with mounting screws

347 V Boxes

HV (347 V) vs Regular Box Spacing



Extension Rings



Power / Communication

Boxes



Cat. No.	Volume (Cu. in.)	Features		Knockouts			Pryouts ends
		Clamps	Bracket	1/2 in. ends	1/2 in. bottom	3/4 in. ends	
2-1/2 in. Deep — Gangable — 3 in. x 2 in.							
BC4104-L	12.5	BX/Loomex	-	-	-	-	4
CI4104-LA	12.5	BX/Loomex	-	-	-	-	4
CI4304-LSSX	12.5	BX/Loomex	“SSX”	-	-	-	4
CI4304-LSSAX	12.5	BX/Loomex	“SSX”	-	-	-	4
2-1/2 in. Deep — Gangable — 3 in. x 4 in.							
CI4204-KSSX	12.5 / gang	-	“SSX”	4	4	4	-
CI4204-LSSX	12.5 / gang	BX/Loomex	“SSX”	2	2	2	4
CI4204-LSSAX	12.5 / gang	BX/Loomex	“SSX”	2	2	2	4
CI4204-LSSAX-1	12.5 / gang	BX/Loomex	“SSX”	2	2	2	4

Note: 4104, 4304 Series consist of a 2-1/2 in. deep device box with a 90° folded side incorporating mounting holes for communication outlet and wire holders. The 4104 Series is intended for installation on wood studs, while the 4304 Series is intended for installation on 2-1/2 in. or 3-5/8 in. steel studs. The installation is completed with a standard 2 gang wall plate.

4204 Series, intended for commercial or industrial installation on 2-1/2 in. or 3-5/8 in. steel studs, consists of a 2-1/2 in. deep device box (with or without cable clamps), pre-ganged with a concentric knockout box for communication outlet and separated by a steel partition. These boxes may also be used for power / power applications. The installation is completed with a standard 2 gang wall plate.

In accordance with C.E.C. 2012 Edition, Rule 12-3030: Conductors that are connected to different power or distribution transformers or other different sources of voltage shall not be installed in the same box, cabinet, or fitting unless a barrier of sheet steel not less than 1.3 mm thick or a flame-retardant nonmetallic insulating material not less than 1.6 mm in thickness is used to divide the space into separate compartments for the conductors of each system.

Power / Communication

Accessories

			
CIMB-0	* CIMB-1	CICSB-1	
			
* WBF-1	CI1004-P	CI1104-P	CI2104-P




Cat. No.	Description
Low Voltage Mounting Brackets	
CIMB-0	Flat mounting brackets that provides quick installation of low voltage class 2 communication outlets Positioning tabs ensure straight installation
CIMB-1*	Mounting brackets that provides quick installation of low voltage class 2 communication outlets Raised 1/2 in. Positioning tabs ensure straight installation
CICSB-1	Mounting brackets that provides quick installation of low voltage communication outlets May be used with all 2-1/2 in. deep gangable boxes
WBF-1*	Low voltage wall bracket
Device Box Partitions	
CI1004-P	Steel partitions for 2 in., 2-1/2 in. and 3 in. deep outlet boxes
CI1104-P†	Steel partitions for 2-1/2 in. deep gangable boxes. May be used with all 1104 and 3104 series of boxes.
CI2104-P	Steel partitions for 2 in. and 2-1/2 in. deep outlet boxes

***Note: Install partition while ganging boxes**

In accordance with C.E.C. 2012 Edition, Rule 12-3030: Conductors that are connected to different power or distribution transformers or other different sources of voltage shall not be installed in the same box, cabinet, or fitting unless a barrier of sheet steel not less than 1.3 mm thick or a flame-retardant nonmetallic insulating material not less than 1.6 mm in thickness is used to divide the space into separate compartments for the conductors of each system.

See page A65 for additional class 2 brackets

 * Not applicable

Pre-Ganged Boxes

Accessories and Covers


CIGSB-2
CILVP
CIGBC-2


Cat. No.	Volume (Cu. in.)	Number of Gangs	Width (in.)	Knockouts			Accepts CI
				1/2 in. sides	1/2 in. bottom	1/2 in. ends	
Pre-Ganged Boxes — 2 in. Deep x 4 in. High							
CIGSB-2	52.0	2	7	8	4	4	GBC-2 or 3
CIGSB-3	66.0	3	8-13/16	10	4	4	GBC-3 or 4
CIGSB-4	80.0	4	10-5/8	12	8	4	GBC-4 or 5

Note: All CIGBC covers have tapped holes spaced to accommodate standard switches and receptacles. Lateral spacing 1-13/16 in.



Cat. No.	Volume (Cu. in.)	Number of Gangs	Width H x W x D (in.)	Knockouts			Accepts CI
				1/2 in. sides	1/2 in. bottom	1/2 in. ends	
3/4 in. Raised Covers							
CIGBC-2	11.0	2	4 x 7 x 3/4	-	-	-	GSB-2
CIGBC-3	16.0	3	4 x 8-13/16 x 3/4	-	-	-	GSB-2 or 3
CIGBC-4	21.0	4	4 x 10-5/8 x 3/4	-	-	-	GSB-3 or 4

Note: All CIGBC covers have tapped holes spaced to accommodate standard switches and receptacles. Lateral spacing 1-13/16 in.

Cat. No.	Description
Low Voltage Partitions (Steel)	
CILVP	Steel low voltage partition for use with CIGSB boxes, when conductors are connected to different sources

In accordance with C.E.C. 2012 Edition, Rule 12-3030: Conductors that are connected to different power or distribution transformers or other different sources of voltage shall not be installed in the same box, cabinet, or fitting unless a barrier of sheet steel not less than 1.3 mm thick or a flame-retardant nonmetallic insulating material not less than 1.6 mm in thickness is used to divide the space into separate compartments for the conductors of each system.

Extension Rings

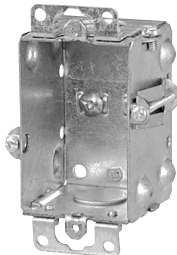
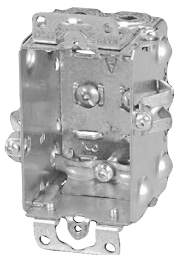
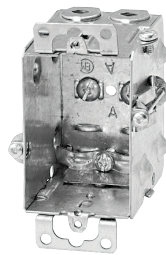
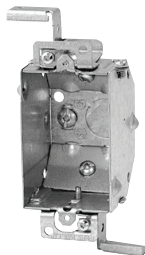
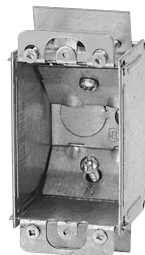
Conduit Knockouts

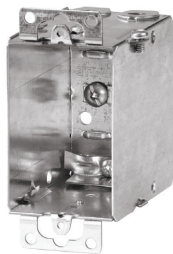
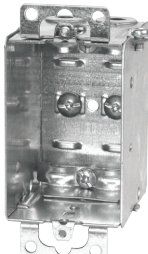
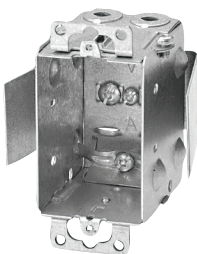

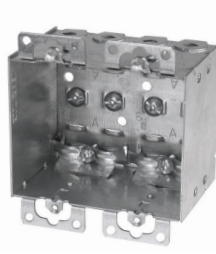
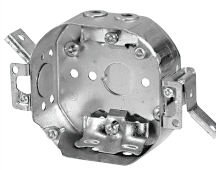
				
BC55151-K	CI55171-K	BCOBEX	BC53151-K	CI53171-ER
				
BC53171-K	BC73151-K	BC73171-K	BC1110-R	BC2020-R



Cat. No.	Volume (Cu. in.)	Dimensions	Knockouts		
		H x W x D (in.)	1/2 in. sides	3/4 in. sides	1 in. sides
4 in. Octagonal					
BC55151-K	15.0	4 x 4 x 1-1/2	4	2	-
CI55171-K	21.0	4 x 4 x 2-1/8	4	2	
4 in. Round					
BCOBEX	5.0	4 x 4 x 1/2	-	-	-
4 in. Square					
BC53151-K	21.0	4 x 4 x 1-1/2	10	6	-
BC53171-K	30.0	4 x 4 x 2-1/8	10	6	-
4-11/16 in. Square					
BC73151-K	30.0	4-11/16 x 4-11/16 x 1-1/2	10	6	-
BC73171-K	42.0	4-11/16 x 4-11/16 x 2-1/8	10	6	-
Utility					
BC1110-R	16.5	4 x 2-3/8 x 1-7/8	6	-	-
BC2020-R	14.0	4 x 2-1/8 x 1-7/8	6	-	-
Concrete					
CI53171-ER	30.0	4 x 4 x 2-1/8	10	6	-

Rework Boxes

				
CI425	CI425-L	CI525-L	BC775-LD	BC777-LRB
"Screwlok" brackets for rework installation. Max. wall thickness: 5/8 in.	"Screwlok" brackets for rework installation. Max. wall thickness: 5/8 in.	"Screwlok" brackets for rework installation. Max. wall thickness: 5/8 in.	"Swing-Arm" rework brackets. Max. wall thickness: 3/4 in.	Pivoting ends for rework installation. Non-gangable. Max. wall thickness: 1-1/8 in.

					
BC1004-LRB	BC1104-LRB	BC1104-LRW	BC2104-LRB	BC2104-LRB-2	BC54151-LD
Flat sides for rework applications.	Flat sides for rework applications.	Rework bracket for closed wall applications. Max. wall thickness: 1 in.	Flat sides for rework applications. 1 gang.	Flat sides for rework applications. 2 gang.	"Swing-Arm" rework brackets. Max. wall thickness: 3/4 in. Maximum load capacity: 12 lb. (5.5 kg)

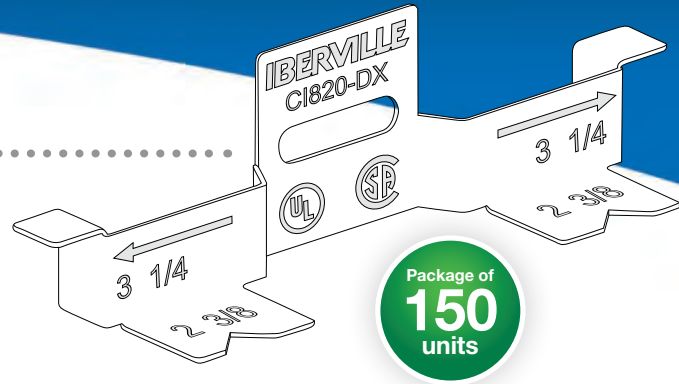


Cat. No.	Volume (Cu. in.)	Dimensions	Features	Knockouts		Pryouts		
		H x W x D (in.)	Clamps	ends	bottom	ends	sides	bottom
Device Boxes								
CI425	10.0	3 x 2 x 2	-	2	1	-	-	-
CI425-L	10.0	3 x 2 x 2	Loomex/BX	-	-	4	-	-
CI525-L	12.5	3 x 2 x 2-1/2	Loomex/BX	-	-	4	-	-
BC775-LD	10.0	3 x 2 x 2-1/4	Loomex	-	1	4	-	-
BC777-LRB*	11.0	3 x 2 x 2-1/4	Loomex	-	1	4	-	-
BC1004-LRB	15.0	3 x 2 x 3	Loomex/BX	-	1	4	-	-
BC1102-LRB	10.0	3 x 2 x 2	Loomex/BX	-	-	4	-	-
BC1104-LRB	12.5	3 x 2 x 2-1/2	Loomex/BX	-	-	4	-	-
BC1104-LRW	12.5	3 x 2 x 2-1/2	Loomex/BX	-	-	4	-	-
BC2104-LRB*	12.5	3 x 2 x 2-1/2	Loomex/BX	-	-	4	-	-
BC2104-LRB-2*	25.0	3 x 4 x 2-1/2	Loomex/BX	-	-	8	-	-
Octagonal Boxes								
BC54151-LD	15.0	4 x 4 x 1-1/2	Loomex/BX	-	1	-	4	4

* Non-Gangable

Rework Applications

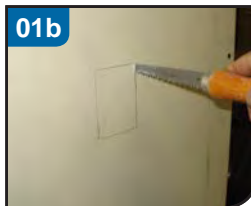
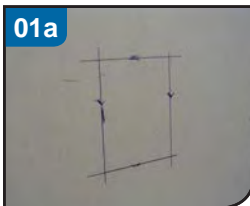
CI-820DX Mounting Instructions



Device Box Supports:

CI820-DX is suitable for all device boxes incorporating mounting ears.

- 01** After determining the location for the device, trace a 2-5/16 in. by 3-1/4 in. pattern on the drywall and carefully cut out the pattern keeping within the confines of the lines.



- 02** Pull the cables through the opening and secure them to the outlet box.



- 03** Snap one CI820-DX into place on each side of the opening.



- 04** Push the outlet box into the opening ensuring that the mounting ears are flush to the drywall and do not piggyback onto the flanges of the CI820-DX. Bend the protrusions over the sides of the box and crimp into place. (It is recommended that pliers be used to ensure a strong hold on the box.).



- 05** Proceed to wire the device using approved wiring procedures.

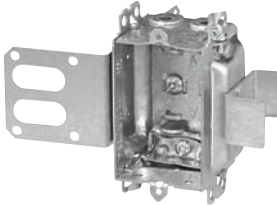
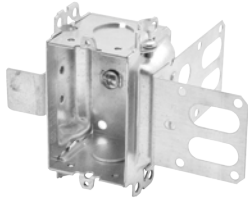

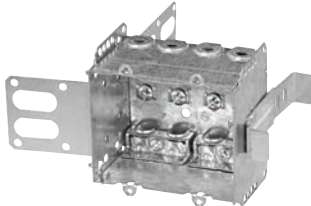
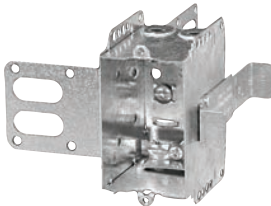
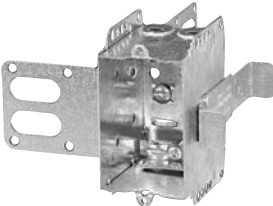
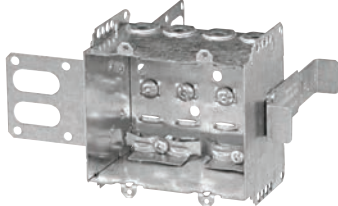
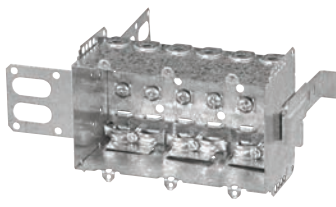
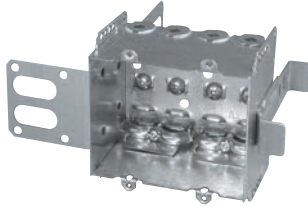




- 06** The box is secured in place.



Steel Stud Boxes

Device Boxes

			
CI3102-LSSAX	CI3102-SSX	CI2104-LSSAX	
			
CI2104-LSSA-2X	CI2104-LSSX	CI2104-LSS1X-1	CI2104-LSS2X-1
			
CI2104-LSS3X-1	CI-2104-LSS-2X	CI-2104-LSS-3X	CISSX-6

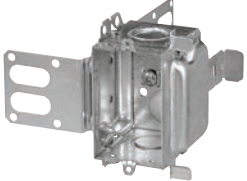
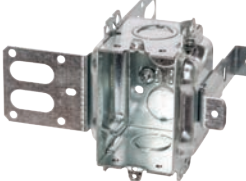
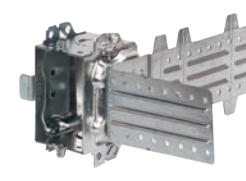
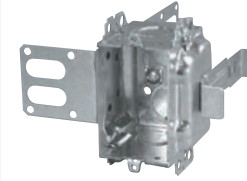
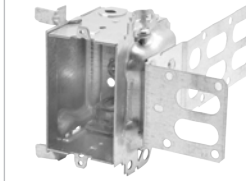
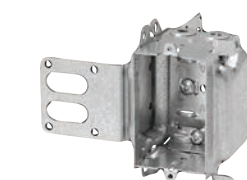
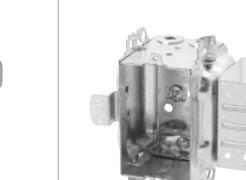
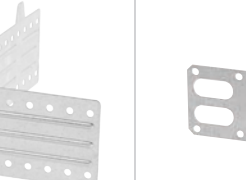

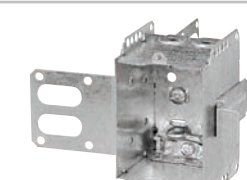
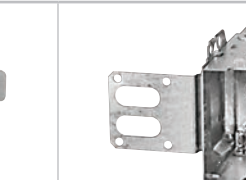
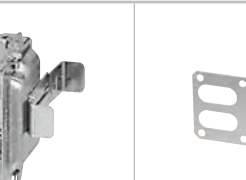



Cat. No.	Volume (Cu. in.)	Width (in.)	Features	Knockouts			Pryouts ends
			Clamps	1/2 in. ends	1/2 in. bottom	3/4 in. ends	
Device Boxes — 2 in. Deep — Gangable — 3 in. High							
CI3102-LSSAX	12.0	2	Loomex/BX	-	-	-	4
CI3102-SSX	12.0	2	-	2	-	-	-
Device Boxes — 2-1/2 in.Deep — Pre-Ganged — 3 in. High							
CI2104-LSSAX	12.5	2	Loomex/BX	-	-	-	4
CI2104-LSSA-2X	25.0	3-3/4	Loomex/BX	-	-	-	8
CI2104-LSSA-3X	37.5	5-1/2	Loomex/BX	-	-	-	12
CI2104-LSSA-4X	50.0	7-3/8	Loomex/BX	-	-	-	16
CI2104-LSSX	12.5	2	Loomex/BX	-	-	-	4
CI2104-LSS1X-1	12.5	2	Loomex/BX	-	-	-	4
CI2104-LSS2X-1	25.0	3-3/4	Loomex/BX	-	-	-	8
CI2104-LSS3X-1	37.5	5-1/2	Loomex/BX	-	-	-	12
CI-2104-LSS-2X	25.0	3-3/4	Loomex/BX	-	-	-	8
CI-2104-LSS-3X	37.5	5-1/2	Loomex/BX	-	-	-	12
CI2104-LSS-4X	50.0	7-3/8	Loomex/BX	-	-	-	16

Cat. No.	Description
Support Brackets	
CISSX-6	Support bracket extension for 6 in. metal stud

Steel Stud Boxes

Device Boxes

				
CI3104-KSSX	CI3104-KSSX-5/8	CI3104-KSSX-NG*	BC3104-KSS1X-1	BC3104-LSSAX
				
BC3104-LSSX	BC3104-LSSAX-NG*	CI3104-LSS1X-1	CI3104-LSSA1X-1	
				
CI1504-LSSAX	CI3004-LSSAX-1	CI3004-LSSX-1	CISSX-6	

* Heavy-duty adjustable bracket that provides solid support even up to 3-1/2 in. away from steel studs.



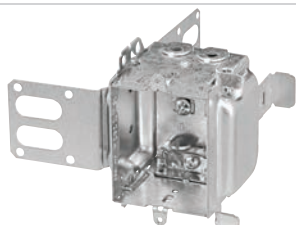
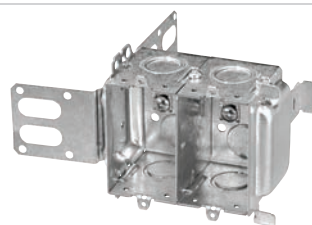
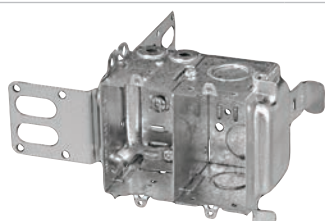
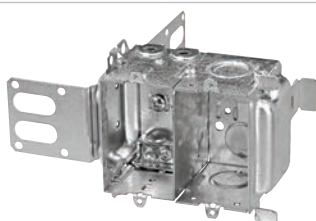
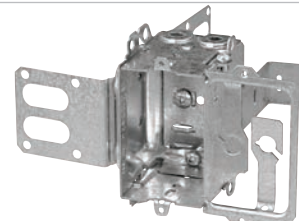
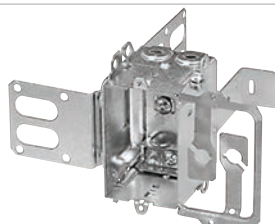
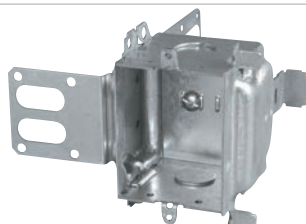
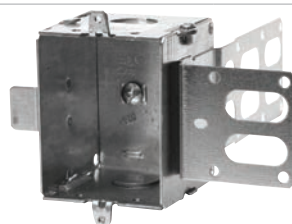
Cat. No.	Volume (Cu. in.)	Features	Knockouts			Pryouts
		Clamps	1/2 in. ends	1/2 in. bottom	3/4 in. ends	ends
Device Boxes — 2-1/2 in. Deep — Gangable — 3 in. x 2 in.						
CI3104-KSSX	16.0	-	2	2	2	-
CI3104-KSSX-5/8	16.0	-	2	2	2	-
CI3104-KSSX-NG*	16.0	-	2	2	2	-
BC3104-KSS1X-1	16.0	-	2	2	2	-
BC3104-LSSAX	16.0	Loomex/BX	-	-	-	4
BC3104-LSSAX-NG*	16.0	Loomex/BX	-	-	-	4
BC3104-LSSX	16.0	Loomex/BX	-	-	-	4
CI3104-LSS1X-1	16.0	Loomex/BX	-	-	-	4
CI3104-LSSA1X-1	16.0	Loomex/BX	-	-	-	4
CI3104-SSX	16.0	Loomex/BX	2	2	-	-
Device Boxes — 2-1/2 in. Deep — Non-Gangable — 3 in. x 2-1/4 in.						
CI1504-LSSAX	15.0	Loomex/BX	-	-	-	4
Device Boxes — 3 in. Deep — Gangable — 3 in. x 2 in.						
CI3004-LSSAX-1	18.0	Loomex/BX	-	-	-	4
CI3004-LSSX	18.0	Loomex/BX	-	-	-	4
CI3004-LSSX-1	18.0	Loomex/BX				4

* Heavy-duty adjustable bracket that provides solid support even up to 3-1/2 in. away from steel studs and supplied with raised ground screws.

Cat. No.	Description
Support Brackets	
CISSX-6	Support bracket extension for 6 in. metal stud

Steel Stud Boxes

347 V Boxes and Power Communication Boxes


CI1204-LSSAX-HV

CI4204-KSSX

CI4204-LSSX

CI4204-LSSAX

CI4304-LSSX

CI4304-LSSAX

CI1204-SSX-HV

CI1204-SS1X-HV

CISSX-6


Cat. No.	Volume (Cu. in.)	Features	Knockouts			Pryouts
		Clamps	1/2 in. ends	1/2 in. bottom	3/4 in. ends	ends
347 V Boxes — 2-1/2 in. Deep — Gangable — 3 in. x 2-1/4 in.						
CI1204-SSX-HV	16.0	Loomex/BX	2	-	-	-
CI1204-LSSAX-HV	16.0	Loomex/BX	-	-	-	4
CI1204-SS1X-HV	16.0	Loomex/BX	2	-	-	-
Power / Communication Boxes — 2-1/2 in. Deep — Pre-Ganged — 3 in. x 2 in. / gang						
CI4204-KSSX	12.5 / gang	-	4	4	4	-
CI4204-LSSX	12.5 / gang	Loomex/BX	2	2	2	4
CI4204-LSSAX	12.5 / gang	Loomex/BX	2	2	2	4
CI4204-LSSAX-1	12.5 / gang	Loomex/BX	2	2	2	4
CI4304-LSSX	12.5 / gang	Loomex/BX	-	-	-	4
CI4304-LSSAX	12.5 / gang	Loomex/BX	-	-	-	4

Cat. No.	Description
Support Brackets	
CISSX-6	Support bracket extension for 6 in. metal stud

Steel Stud Boxes

4 in. and 4-11/16 in. Square Boxes and 4 in. Octagonal Boxes

				
BC52151-KSSX	BC52151-KSSX-NG*	BC52171-KSSX	CI52171-KSSX-1	CI52171-1-SSX-1
				
CI72171-KSSX	CI54151-KSSX	BC54151-LSSAX	BC54151-LSSAX-NG*	
				
BC1110-SSX	CI54171-KSSX	CI54171-KSSX-5/8	BC52171-KSSXHVKIT	

* Heavy-duty adjustable bracket that provides solid support even up to 3-1/2 in. away from steel studs.



Cat. No.	Volume (Cu. in.)	Clamps	Knockouts					Pryouts
			1/2 in. sides	1/2 in. bottom	3/4 in. sides	3/4 in. bottom	1 in. sides	sides
4 in. Square Boxes – 1-1/2 in. Deep								
BC52151-KSSX	21.0	-	7	4	3	2	-	-
BC52151-KSSX-NG*	21.0	-	7	4	3	2	-	-
4 in. Square Boxes – 2-1/8 in. Deep								
BC52171-KSSX	30.0	-	7	4	3	2	-	-
BC52171-KSSX-NG*	30.0	-	7	4	3	2	-	-
CI52171-KSSX-1	30.0	-	7	4	3	2	-	-
CI52171-1-SSX-1	30.0	-	-	4	-	2	2	-
4-11/16 in. Square Boxes – 2-1/8 in. Deep								
CI72171-KSSX	42.0	-	8	4	4	2	-	-
4 in. Octagonal Boxes – 1-1/2 in. Deep								
CI54151-KSSX	15.0	-	2	4	2	2	-	-
BC54151-LSSAX	15.0	Loomex/BX	-	1	-	-	-	4
BC54151-LSSAX-NG*	15.0	Loomex/BX	-	1	-	-	-	4
4 in. Octagonal Boxes – 2-1/8 in. Deep								
CI54171-KSSX	21.0	-	2	4	2	2	-	-
CI54171-KSSX-5/8	21.0	-	2	4	2	2	-	-
4 in. Square – 2-1/8 in. Deep								
BC52171-KSSXHVKIT	33.6	“SSX”	6	-	2	-	-	-

* Heavy-duty adjustable bracket that provides solid support even up to 3-1/2 in. away from steel studs and supplied with raised ground screws.

Cat. No.	Volume (Cu. in.)	Features		Knockouts		
		Brackets	Raised Ground Screw	1/2 in. ends	1/2 in. bottom	1/2 in. sides
4 in. Square Boxes – 1-1/2 in. Deep						
BC1110-SSX	16.5	“SSX”	oui	7	4	3

Bar Hangers and Brackets



BCBK-01



BCBK-20



BC1041 / BC1042



6010-DW-25 / 6010-ADW-25



6011-DW-25 / 6011-ADW-25



CI1060



Cat. No.	Description
Bar Hangers	
BCBK-01	Adjustable hanger for wood stud. Length: 15.5 in. Height: 2.5 in.
BCBK-20	Adjustable hanger for octagonal boxes for furring channel. Width: 4-1/2 in. x Height: 1-3/8 in. x Length: 21-1/8 in.
BC1041	Adjustable from 11-1/2 in. to 18-1/2 in. Maximum load capacity: 50 lb. (22.7)
BC1042	Adjustable from 16-1/2 in. to 26-1/2 in. When extended up to 22-1/2 in. 50 lb. (22.7). When extended up to 26-1/2 in. 25 lb. (11.35)
CI1060	Length: 16 in. Grooved for box ears
Adjustable Bar Hangers for Plaster and Drywall — Depth 1-3/16 in.	
6010-DW-25 [†]	For 3/8 in., 1/2 in. and 5/8 in. wall board and plaster. Score marks for drywall and plaster depths. Maximum load capacity: 50 lb. (22.7). Length: 10-1/2 in. to 18-1/2 in. Packaged complete with stud
6010-ADW-25 [†]	For 3/8 in., 1/2 in. and 5/8 in. wall board and plaster. Score marks for drywall and plaster depths. Maximum load capacity: 50 lb. (22.7). Length: 14-1/2 in. to 26-1/2 in. Packaged complete with stud
6011-DW-25 [†]	For 3/8 in., 1/2 in. and 5/8 in. wall board and plaster. Score marks for drywall and plaster depths. Maximum load capacity: 50 lb. (22.7). Length: 10-1/2 in. to 18-1/2 in. Packaged complete with fastener
6011-ADW-25 [†]	For 3/8 in., 1/2 in. and 5/8 in. wall board and plaster. Score marks for drywall and plaster depths. Maximum load capacity: 50 lb. (22.7). Length: 14-1/2 in. to 26-1/2 in. Packaged complete with fastener

Brackets, Clamps, Partitions

			
CI820-DX	CI820D	CILRW	CILA CLAMP
			
CISSX-6	CI1004-P	CI1104-P	CI2104-P



Cat. No.	Description
Rework Support Brackets	
CI820D	Device box supports. Max. wall thickness 1 in.
CI820-DX	Device box support
CILRW	For installing CI-1104 series of boxes with ears, in closed wall "rework" applications. Complete with an 8-32 x 1-1/2 screw
Universal Cable Clamps (for BX / Loomex)	
CILA CLAMP	Supplied with screws
Support Brackets	
CISSX-6	Support bracket extension for 6 in. metal stud
Device Box Partitions	
CI1004-P	Steel partitions for 2 in., 2-1/2 in. and 3 in. deep outlet boxes
CI1104-P*	Steel partitions for 2-1/2 in. deep gangable boxes. To be used with CI-1104 / CI-3104 Series of boxes
CI2104-P	Steel partitions for 2 in. and 2-1/2 in. deep outlet boxes

*Note: Install partition while ganging boxes

In accordance with C.E.C. 2012 Edition, Rule 12-3030: Conductors that are connected to different power or distribution transformers or other different sources of voltage shall not be installed in the same box, cabinet, or fitting unless a barrier of sheet steel not less than 1.3 mm thick or a flame-retardant nonmetallic insulating material not less than 1.6 mm in thickness is used to divide the space into separate compartments for the conductors of each system.

Accessories

				
CISBEX	CIXCUBE	CISBEX-HV	CI1SCREAR/SCR	CI2SCREAR/SCR



Cat. No.	Description
Device Box Extensions	
CISBEX	2 in. x 3 in. switch box extension. Maximum adjustable depth is 7/8 in. Complete with mounting screws
CISBEX-HV	2 in. x 3 in. switch box extension. High voltage (347 V) for use with CI1204-HV Series. Maximum adjustable depth is 7/8 in. Complete with mounting screws
CIXCUBE	Adds 5.5 cu. in. to any 2-1/2 in. deep gangable device box. Provision for external nailing
Ground Screws	
GS-1-IB	8-32 x 5/16 in. large combination head screw
CI1SCREAR/SCR	Box ear and screw only, one hole model
CI2SCREAR/SCR	Box ear and screw only, two hole model

				
CI66	CI66-FPP	CI66-PPH	CI66-SS	CI66-XL



Cat. No.	Dimensions W x H (in.)
Cable Protector Plates	
CI66	1-3/8 x 3
CI66-FPP	2-3/8 x 3-1/2
CI66-PPH	1-1/4 x 3
CI66-SS	4-3/8 x 1-7/8
CI66-XL	4-1/4 x 3-3/4
CI66-XL-2	8-1/2 x 3-3/4
CI66-T	4-1/4 x 3/4

	
CI66-XL-2	CI66-T





New

In accordance with C.E.C., 2012 Edition, rule 12-516

Low Voltage Brackets

Steel

- Eliminates the need for an electrical box when installing low voltage Class 2 wiring
- For old work or new work
- Installs easily with a drywall saw and screwdriver

			
CIMB-0	CIMB-1	CICSB-1	WBF-1

Cat. No.	Description
Low Voltage Mounting Brackets	
CIMB-0	Flat mounting brackets that provides quick installation of low voltage class 2 communication outlets Positioning tabs ensure straight installation
CIMB-1	Mounting bracket that provides quick installation of low voltage class 2 communication outlets. Raised 1/2 in. Positioning tabs ensure straight installation
CICSB-1	Mounting brackets that provides quick installation of low voltage communication outlets May be used with all 2-1/2 in. deep gangable boxes
WBF-1	Low voltage wall bracket

			
CI1544	CI1544P	CIS-1X2	CIS-1 / CIS-4

Cat. No.	Dimensions (in.)		Hole Size (in.)	Suggested Application
	H	W		
Nailing Straps (Zinc Plated Steel)				
CI1544	0.25	0.51	-	14/2-12/2
Nailing Straps (Polyethylene)				
CI1544-P	0.25	0.49	-	14/2-12/2
CI1546-P	0.25	0.75		14/2-8/2
Cable Staples (Galvanized Steel)				
CIS-1	0.25	0.48	-	14/2-12/2
CIS-2	0.44	0.54		2 cables 14/2; 2 cables 12/2 14/2-14/3-12/2-12/3-10/2-10/3
CIS-3	0.49	0.70		10/2-8/2; 14/3-10/3
CIS-4	0.76	0.86		8/3-6/3
Double Cable Staples (Galvanized Steel)				
CI1544-1X2	0.25	0.48 x 2	-	14/2-12/2
CI1544-1X2-FP3				
CI1544-1X2-FP5				



Low Voltage Brackets

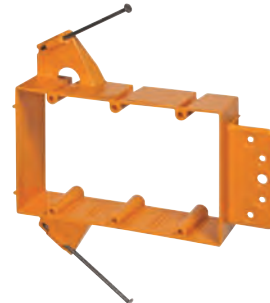
Nonmetallic



SC100A



SC200A



SC300A

Open-backed to easily accommodate the bend radiuses required for low voltage cabling and deep devices such as volume controls, and is designed to fit a standard two-gang three-gang faceplate. It also features an easy nail-on mounting or screw-in bracket, while more hard shell provides increased durability and no racking.



SC100RR

Swing arm rework bracket. 1 gang.



SC200RR

Swing arm rework bracket. 2 gang.



SC100SC

This low voltage bracket provides a low voltage outlet next to a previously installed high voltage outlet. For new construction and rework. Attaches easily to most electrical boxes, and is designed to fit a standard two-gang faceplate.



SC100ADJC

New work adjustable low voltage bracket. 1 gang.



Cat. No.	Description
Low Voltage Brackets	
SC100A	One-Gang backless bracket 2.32 in. W x 3.73 in. L
SC200A	Two-Gang backless bracket 5.35 in. W x 3.81 in. L
SC300A	Three-Gang backless bracket 8.69 in. W x 7.20 in. L
Old Work Backless Brackets	
SC100RR	One-Gang backless old work bracket w/ swing clamps 2-1/4 in. x 3-1/4 in.
SC200RR	Two-Gang backless old work bracket w/ swing clamps 3.92 in. x 4.00 in.
Low Voltage Add-On Bracket	
SC100SC	One-Gang Add-On Bracket 1.80 in. W x 3.68 in. L
One-Gang and Two Gang – Low Voltage	
SC100ADJC	One-Gang adjustable backless bracket 3-7/8 in. W x 3-3/4 in. H
SC200ADJC	Two-Gang adjustable backless bracket 5-5/8 in. W x 3-5/8 in. H


CSA not applicable

Vapour Barriers

Features

- Made from tough, resistant material which can be used without cracking at extreme cold temperatures
- Transparent material makes installation easy and safe
- Flange is constructed to ensure a good seal on panel surface

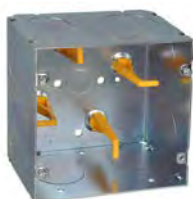
				
BCVB-1	BCVB-2	BCVB-3	CIVB-4	BCVB-54
				
CI1004-VB	CI5254-VB	CI72171-VB	CIDS-55	

Cat. No.	Description
Vapour Barriers — Soft Shell	
BCVB-1*	For 2 in. x 3 in. single device boxes up to 3 in. deep
BCVB-2*	For 4 in. square and 2 gang 2 in. x 3 in. device boxes up to 3 in. deep
BCVB-3*	For 3 gang 2 in. x 3 in. device boxes up to 3 in. deep
CIVB-4*	For 4 gang 2 in. x 3 in. device boxes up to 3 in. deep
BCVB-54*	For octagonal boxes up to 2-1/8 in. deep
Vapour Barriers — Hard Shell	
CI1004-VB*	For 2 in. x 3 in. single device boxes up to 3 in. deep
CI5254-VB*	For 4 in. square and 2 gang 2 in. x 3 in. boxes up to 3 in. deep
CI72171-VB*	For 4-11/16 in. square boxes up to 2-1/8 in. deep
Door Switches	
CIDS-55	<div>  </div> 3-11/16 in. H x 1-11/32 in. W x 1-1/2 in. deep 4.5 cu. in. Light's on when door's opened Kit contains: <ul style="list-style-type: none"> • 3 A, 125 V A.C. switch with steel push button • Steel box and mounting plate • Mounting screws and wire connectors • Instruction sheet

* CSA not applicable

5 Square™ Boxes

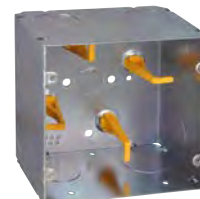
Telecommunication Boxes



82181T-1-114



82181T-1234-1



82181T-1



82181T-1-114-CV



82181T-1234-1-CV



82181T-1-CV

Cat. No.	Volume (Cu. in.)	Bracket	Knockouts	Std. Ctn.
2-1/8 in. Deep, Cable Management Posts				
82181T-1-114	64	—	4 sides: (1) 1 in. and (1) 1-1/4 in.; back: (1) 1/2 in.	20
82181T-1234-1	64	—	4 sides: (1) 1/2 in., (1) 3/4 in. and (1) 1 in.; back: (1) 1/2 in.	20
82181T-1	64	—	4 sides: (2) 1 in.; back: (1) 1/2 in.	20
82181T-1-114-CV	64	CV	3 sides: (1) 1 in. and (1) 1-1/4 in.; back: (1) 1/2 in.	20
82181T-1234-1-CV	64	CV	3 sides: (1) 1/2 in., (1) 3/4 in. and (1) 1 in.; back: (1) 1/2 in.	20
82181T-1-CV	64	CV	3 sides: (2) 1 in.; back: (1) 1/2 in.	20

NOTE: Use on Class 2 and Class 3 remote control, signaling and power-limited circuits only.

5 Square™ Boxes

Device Covers

				
82C-1G-0	82C-1G-1/4	82C-1G-1/2	82C-1G-5/8	82C-1G-3/4
				
82C-1G-1	82C-1G-1-1/4	82C-1G-1-1/2	82C-1G-2	82C-2G-0
				
82C-2G-1/4	82C-2G-1/2	82C-2G-5/8	82C-2G-3/4	82C-2G-1
				
82C-2G-1-1/4	82C-2G-1-1/2	82C-2G-2		

Cat. No.	Raised (in.)	Volume (Cu. in.)	Std. Ctn.	Cat. No.	Raised (in.)	Volume (Cu. in.)	Std. Ctn.
Single Gang				Double Gang			
82C-1G-0	Flat	—	20	82C-2G-0	Flat	—	20
82C-1G-1/4	1/4	1.5	20	82C-2G-1/4	1/4	3.0	20
82C-1G-1/2	1/2	3.5	20	82C-2G-1/2	1/2	6.3	20
82C-1G-5/8	5/8	4.3	20	82C-2G-5/8	5/8	7.8	20
82C-1G-3/4	3/4	5.3	20	82C-2G-3/4	3/4	9.5	20
82C-1G-1	1	6.8	20	82C-2G-1	1	12.8	20
82C-1G-1-1/4	1-1/4	8.5	20	82C-2G-1-1/4	1-1/4	17.0	20
82C-1G-1-1/2	1-1/2	10.5	20	82C-2G-1-1/2	1-1/2	20.0	20
82C-1G-2	2	14.0	20	82C-2G-2	2	26.0	20

5 Square™ Boxes

Fire Signal Boxes and Adapters

			
82181-12-1	82181-1234	82181-1234-1	82181-1234-RD
			
82181-12-1-CV	82181-1234-CV	82181-1234-1-CV	82181-1234-CVRD

Cat. No.	Volume (Cu. in.)	Bracket	Red	Knockouts	Std. Ctn.
Fire Signal Boxes — 2-7/8 in. Deep					
82181-12-1	67	—	—	4 sides: (1) 1/2 in. and (2) 1 in.; back: (3) 1/2 in. and (2) 3/4 in.	20
82181-1234	67	—	—	4 sides: (1) 1/2 in. and (2) 1/2 in. / 3/4 in.; back: (3) 1/2 in. and (2) 1/2 in. / 3/4 in.	20
82181-1234-1	67	—	—	4 sides: (1) 1/2 in., (1) 1/2 in. / 3/4 in. and (1) 1 in.; back: (3) 1/2 in. and (2) 3/4 in.	20
82181-1234-RD*	67	—	Yes	4 sides: (1) 1/2 in. and (2) 1/2 in. / 3/4 in.; back: (3) 1/2 in. and (2) 1/2 in. / 3/4 in.	20
82181-12-1-CV	67	CV	—	3 sides: (1) 1/2 in. and (2) 1 in.; back: (3) 1/2 in. and (2) 3/4 in.	20
82181-1234-CV	67	CV	—	3 sides: (1) 1/2 in. and (2) 1/2 in. / 3/4 in.; back: (3) 1/2 in. and (2) 1/2 in. / 3/4 in.	20
82181-1234-1-CV	67	CV	—	3 sides: (1) 1/2 in., (1) 1/2 in. / 3/4 in. and (1) 1 in.; back: (3) 1/2 in. and (2) 3/4 in.	20
82181-1234-CVRD*	67	CV	Yes	3 sides: (1) 1/2 in., (1) 1/2 in. / 3/4 in. and (1) 1 in.; back: (3) 1/2 in. and (2) 3/4 in.	20

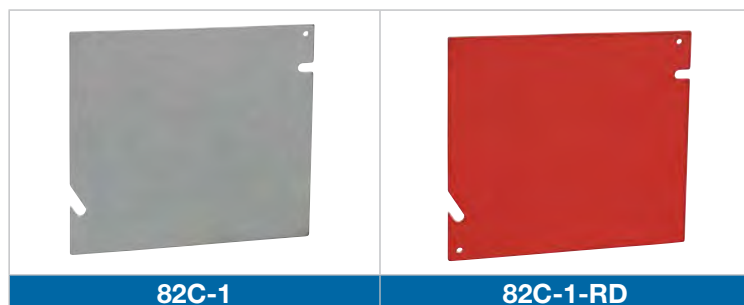
NOTE: Use on Class 2 and Class 3 remote control, signaling and power-limited circuits only.

			
82-52E-0	82-52E-1/4	82-52E-1/2	82-52E-3/4
			
82-52E-1	82-52E-5/8	82-52E-1-1/4	82-52E-1-1/2

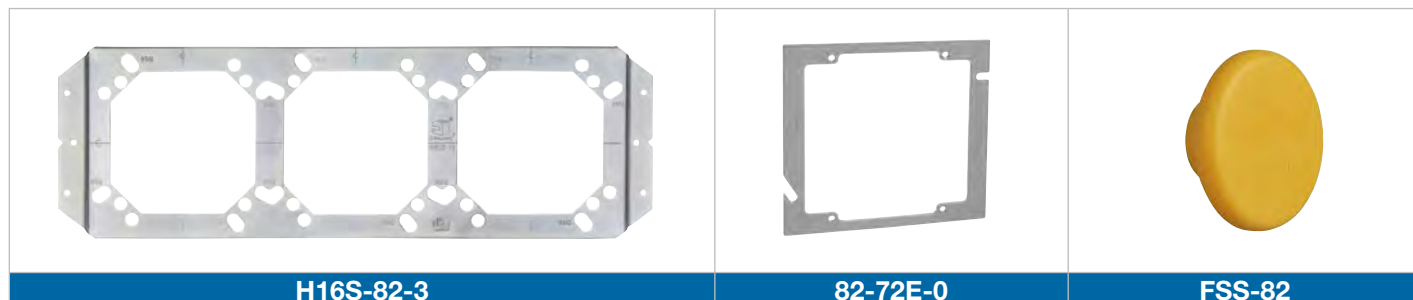
Cat. No.	Raised (in.)	Volume (Cu. in.)	Std. Ctn.
5 SQUARE™ to 4 in. Square Box Adapters			
82-52E-0	Flat	—	20
82-52E-1/4	1/4	3.5	20
82-52E-1/2	1/2	7.2	20
82-52E-5/8	5/8	9.1	20
82-52E-3/4	3/4	10.8	20
82-52E-1	1	14.7	20
82-52E-1-1/4	1-1/4	18.0	20
82-52E-1-1/2	1-1/2	21.0	20

5 Square™ Boxes

Blank Covers and Box Accessories



Cat. No.	Red	Std. Ctn.
5 SQUARE™ Blank Covers		
82C-1	—	20
82C-1-RD	Yes	20



Cat. No.	Description	Std. Ctn.
5 SQUARE™ Box Accessories		
H16S-82-3	Support Bracket for 5 SQUARE™ 4 in. and 4-11/16 in. Boxes; 16 in. Stud Centers	20
H24S-82-4	Support Bracket for 5 SQUARE™, 4 in. and 4-11/16 in. Boxes; 24 in. Stud Centers	20
FSS-82	Far-Side Support	20
82-72E-0	5 SQUARE™ to 4-11/16 Adapter Ring, Flat, Accepts 4-11/16 in. Device Rings	20

Nonmetallic Boxes



Cat. No.	Volume (Cu. in.)	Width (in.)	Edge Height (in.)	Edge Width (in.)	Cable Entries	Use with
2-3/4 in. Deep - Non-Gangable - 3-3/4 in. High						
WSW	18.0	2-1/4	—	—	4	Nonmetallic sheathed cable
WSW-BX	18.0	2-1/4	5	4-1/4	4	AC90-Armoured cable
WSW-N	18.0	2-1/4	—	—	4	Nonmetallic sheathed cable
2-WSW	33.0	4	5	5-1/2	8	Nonmetallic sheathed cable
3-WSW	48.0	5-3/4	5	7-1/2	12	Nonmetallic sheathed cable
4-WSW	67.0	7-5/8	5	8-3/4	16	Nonmetallic sheathed cable
WSW-FC	18.0	2-1/4	—	—	4	Nonmetallic sheathed cable
2-3/4 in. Deep - 3-3/4 in. High - 4 in. Wide						
WOCT	26.0	—	—	—	4	Nonmetallic sheathed cable
WOCT-FC	26.0	—	5-1/4	—	4	Nonmetallic sheathed cable
3 in. Deep - 4-7/8 in. High - 4-7/8 in. Wide						
WRD	61.0	—	6-7/8	6-7/8	4	Nonmetallic sheathed cable

Nonmetallic Boxes

Airtight Model



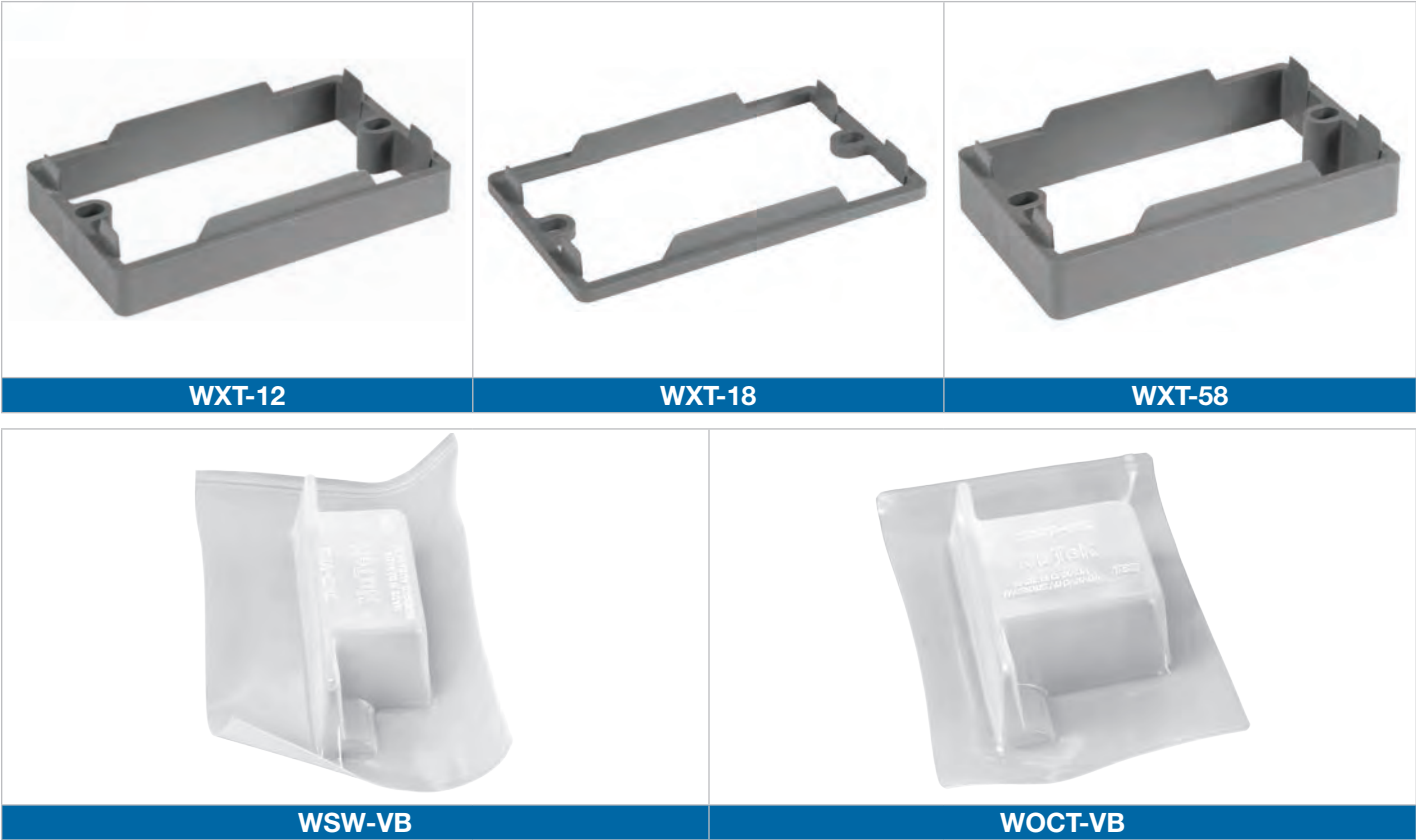
Cat. No.	Volume (Cu. in.)	Width (in.)	Edge Height (in.)	Edge Width (in.)	Cable Entries	Use with
2-3/4 in. Deep - Non-Gangable - 3-3/4 in. High						
F-WSW	18.0	2-1/4	—	—	4	Nonmetallic sheathed cable
FWSWBX	18.0	2-1/4	5	4-1/4	4	AC90 – Armoured cable
2-FWSW	33.0	4	5	5-1/2	8	Nonmetallic sheathed cable
3-FWSW	48.0	5-3/4	5	7-1/2	12	Nonmetallic sheathed cable
4-FWSW	67.0	7-5/8	5	8-3/4	16	Nonmetallic sheathed cable
2-3/4 in. Deep - 3-3/4 in. High - 4 in. Wide						
FWOCT	26.0	—	5-1/4	—	4	Nonmetallic sheathed cable
3 in. Deep - 4-7/8 in. High - 4-7/8 in. Wide						
FWRD	61.0	—	6-7/8	6-7/8	4	Nonmetallic sheathed cable

Cat. No.	Description
Partition	
WSW-P	Voltage partition

Note: CEC 2012 rule 30-302: 4) Where the weight of a luminaire does not exceed 23 kg (50 lb.), the luminaire shall be permitted to be supported by a ceiling outlet box attached directly to the building structure or by a ceiling outlet box attached to a bar hanger. Requires that a ceiling-mounted luminaire weighing 23 kg or less be supported on a ceiling outlet box attached directly to the building structure. A bar hanger may also be used to attach a ceiling box to the building structure when the luminaire weighs 23 kg or less.

Extension Rings / Vapour Barriers

Nonmetallic



Cat. No.	Description
Extension Rings	
WXT-12	Raised 1/2 in.
WXT-18	Raised 1/8 in.
WXT-58	Raised 5/8 in.
Vapour Barriers — Soft Shell	
WOCT-VB	For use with WOCT ceiling boxes or 2WSW 2 gang switch boxes
WSW-VB	For use with WSW 1 gang switch boxes

Curved Lid J-Box

Features

- NEMA 1, 2, 3, 3R, 3S, 4, 4X, 12, 13
- CSA certified
- Printable lid
- Dividers available to separate high and low voltage and can be retrofitted into existing applications
- Lids provide locations to mount weatherproof covers: 8 in. x 8 in. one location, 12 in. x 12 in. three locations
- Non-conductive and non-corrosive
- Designed for 24 in. diameter concrete piers

Anyone who's worked with parking lot light poles knows the problem. Those tiny integral hand holes for electrical wiring can really slow a project down. But now there's a better answer for shopping centers, car dealerships, sport arenas, office complexes or anywhere you need pole lighting for large parking lot areas – the Carlton® nonmetallic curved lid J-Boxes.

Carlton curved lid J-Boxes meet NEMA 1, 2, 3, 3R, 3S, 4, 4X, 12, 13 ratings. They are available in sizes 8 in. x 8 in. or 12 in. x 12 in. Both the base and lid are made from PVC to eliminate rust and corrosion and are supplied with tamper-resistant screws.

Designed specifically for use with 24 in. diameter concrete piers, J-Boxes are installed, along with all necessary conduit and fittings, when piers are poured. This gives installers a giant junction box at the base of every pole to ease wiring, facilitate circuit management, and provide easy post-installation maintenance. Just take a closer look and you'll see why our nonmetallic J-Boxes are a better choice for you.



Curved Lid J-Box

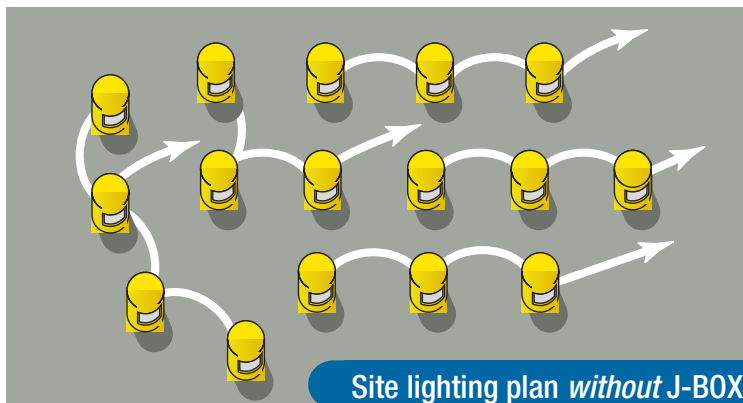
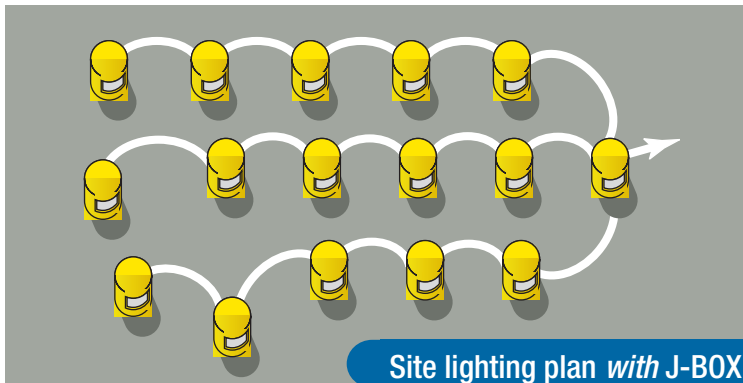
Faster, easier wiring for greater productivity

Once your J-Boxes are installed, you can speed projects along by pre-wiring before poles arrive. Or you can install poles first and use them to mount cable pulling equipment – a particular advantage for long, difficult wire pulls. Of course, all the extra hand room our J-Boxes offer makes splicing much easier and faster than working through cramped pole access holes.



More flexibility, fewer home runs, and easier maintenance

Extra room also gives you splicing space for options like zone lighting or to reduce the number of home runs, which can lower trenching and associated materials costs by up to 30%. In addition, the box lids provide locations to mount receptacles and weatherproof covers for even more flexibility. For easy maintenance, fixture protection can be placed at the base and if need be, poles can even be removed and replaced in the middle of the circuit without affecting overall lighting.



Easy to install



1 J-Box, with all conduit and fittings placed as desired, is temporarily attached to the concrete form – base and lid inside.



2 Remove form after concrete has been poured and allowed to cure.



3 Pop off the J-Box lid, leaving an 8 in. x 8 in. x 4 in. or 12 in. x 12 in. x 4 in. access area, depending on the J-Box selected.



4 After wiring is completed, the lid is replaced to complete the installation.

Curved Lid J-Box

Specifications



J-Box Assemblies



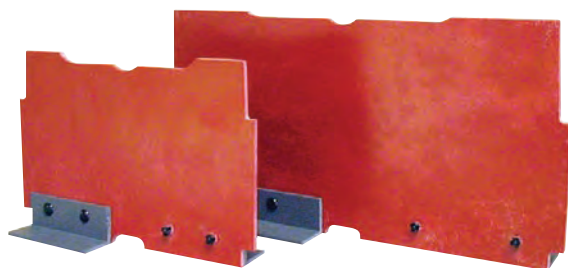
Cat. No.	Size (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
E88C24	8 x 8 x 4	6	28.3
E1212C24	12 x 12 x 4	2	9.7

Accessories



Replacement Lids

Cat. No.	Size (in.)	Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
E88L24	8 x 8	1	2.1
E1212L24	12 x 12	1	2.3



J-Box Dividers are used to separate high and low voltage devices and solvent cement into place.

Dividers

The Canadian Electrical Code (CEC) allows electrical conductors to share an outlet box when the conductors and communication cables are separated by a barrier within the box.

Cat. No.	Std. Ctn. Qty.	Std. Ctn. Wt. (lb)
E88DIV (for use with cat. no. E88C24)	6	2.1
E1212DIV (for use with cat. no. E1212C24)	2	2.3