



CI72151-K



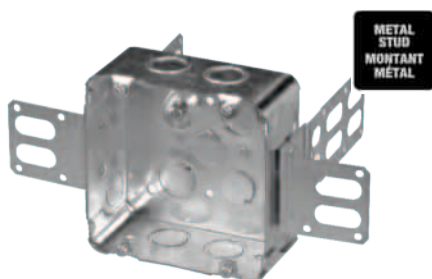
72171-1-CRT



72171K-CRT



CI72171-KSB



72171KSSX-CRT

METAL  
STUD  
MOUNTING  
METAL



BC73151-K

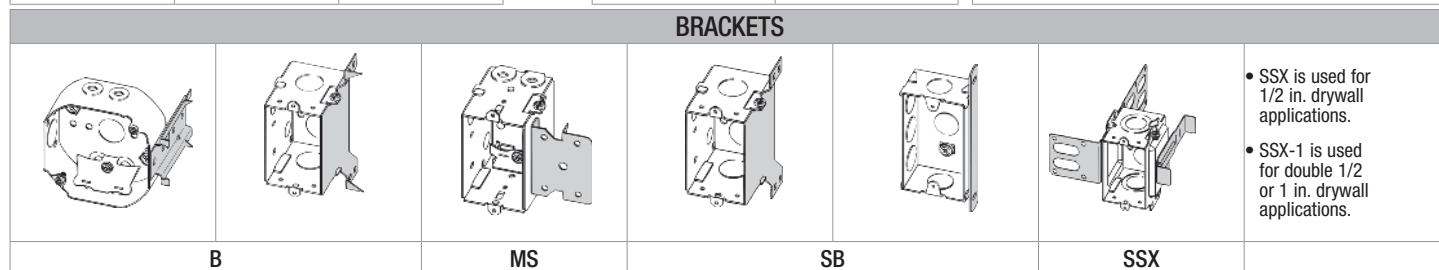
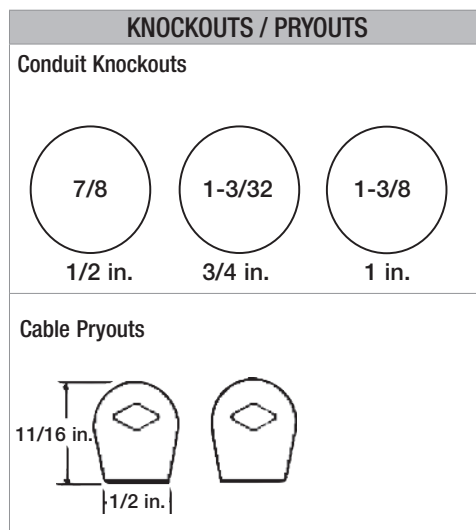
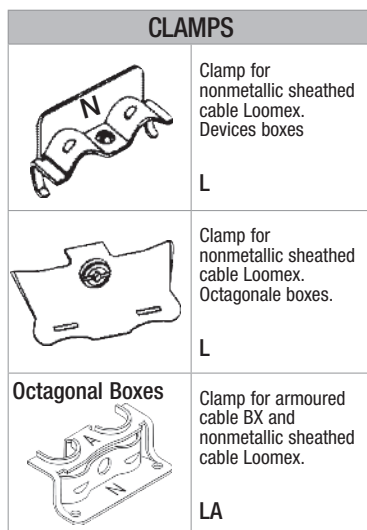
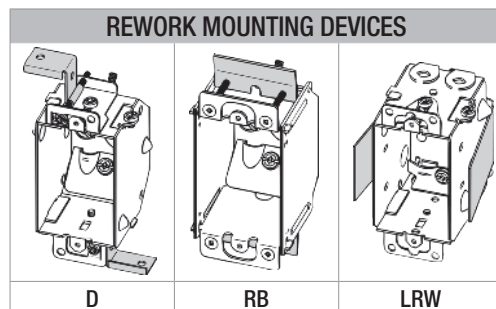


73171K-RT

ADDS  
VOLUME  
AJOUTE DU  
VOLUME



| Cat. No.                        | Features       |                          |              |        | Conduit Knockouts       |                     | Packaging |
|---------------------------------|----------------|--------------------------|--------------|--------|-------------------------|---------------------|-----------|
|                                 | Cubic Capacity | Bracket<br>(See page A3) | Ground Screw |        | Sides                   | Bottom              |           |
|                                 |                |                          | Qty.         | Raised |                         |                     |           |
| 1-1/2 IN. DEEP                  |                |                          |              |        |                         |                     |           |
| CI72151-K                       | 30.0           |                          | 1            | yes    | 6 x K + 4 x 1/2 in.     | 2 x K + 2 x 1/2 in. |           |
| 2-1/8 IN. DEEP                  |                |                          |              |        |                         |                     |           |
| 72171-1-CRT                     | 42.0           |                          | 1            | yes    | 2 x 3/4 in. + 6 x 1 in. | 2 x K + 2 x 1/2 in. |           |
| 72171K-CRT                      |                |                          |              |        | 6 x K + 4 x 1/2 in.     |                     | 1 unit    |
| 72171K-VP                       |                |                          |              |        | 4 x K + 4 x 1/2 in.     |                     | 4 units   |
| CI72171-KSB                     |                | SB                       |              |        |                         |                     |           |
| 72171KSSX-CRT                   |                | SSX                      |              |        | 4 x K                   |                     |           |
| 1-1/2 IN. DEEP - EXTENSION RING |                |                          |              |        |                         |                     |           |
| BC73151-K                       | 30.0           |                          |              |        | 6 x K + 4 x 1/2 in.     |                     |           |
| 2-1/8 IN. DEEP - EXTENSION RING |                |                          |              |        |                         |                     |           |
| 73171K-RT                       | 42.0           |                          |              |        | 6 x K + 4 x 1/2 in.     |                     |           |



\*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.

| Maximum Number of Conductors ** (with 0 or 1 wire connector) |                                   |        |        |        |       |
|--------------------------------------------------------------|-----------------------------------|--------|--------|--------|-------|
| Cubic Inch Capacity * (mm)                                   | Box Series No.                    | 14 AWG | 12 AWG | 10 AWG | 8 AWG |
| 5 (81)                                                       | 56111, OBEX                       | 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                              | 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                              | 11     | 9      | 7      | 6     |
| 18 (295)                                                     | 1018, 1804, 3004, 54521           | 12     | 10     | 8      | 6     |
| 18.5 (303)                                                   | 1151, 1199, 2004                  | 12     | 10     | 8      | 6     |
| 21 (344/gang)                                                | 52151, 53151, 54171, MBD          | 14     | 12     | 9      | 7     |
| 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    |
| 33 (540)                                                     | 2-WSW, 2-FWSW                     | 22     | 18     | 14     | 12    |
| 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    |

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 and thickness of flush devices mounted on a single strap.
- The number of wire connectors in the box.

\* 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 inch thick.
- 1 cu. in. = 16.4 milliliters = 16.4 cubic centimeters

| 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 |