

# Concrete Inserts

## B22I - Continuous Concrete Insert

**Material:** Steel

**Standard Finish:** Plain, Pre-Galvanized, or Hot-Dip Galvanized

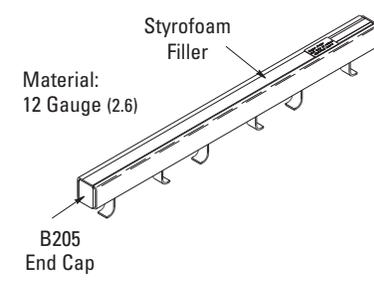
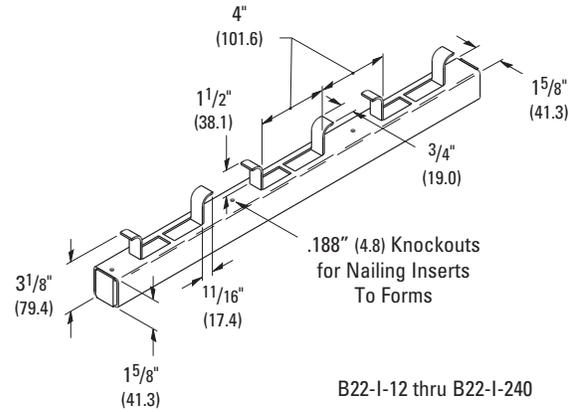
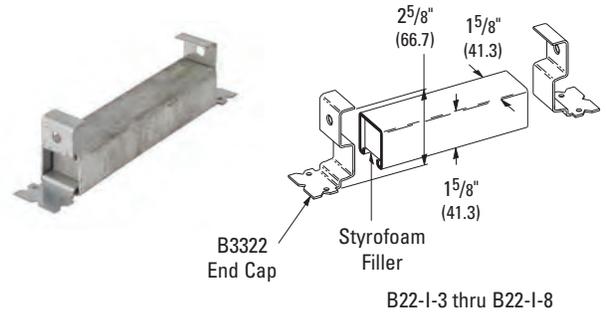
**Function:** Concrete insert should be secured to forms on 16" (406.4mm) to 24" (609.6mm) intervals.

**How to Install:** Attach concrete insert to forms and install reinforcing rods as required. After forms are dismantled, the channel nut can be installed and the rod fastened to the nut. The rod should touch the inside top of the insert.

**Approvals:** Conforms to Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 18.

**Design Load:** 2000 Lbs. (8.89kN) per foot for B22-I-12 thru B22-I-240 in 3000 psi concrete. Loads concentrated within the last 2" (50.8mm) of inserts 8" (203.2mm) and longer should not exceed 1000 Lbs. (4.45kN).

**Order By:** Part number and finish. Channel nuts are sold separately, see page 18 for appropriate selection. To order inserts without styrofoam and end caps add insert only to the part number.



| Part No. | Length<br>in. (mm) | Approx. Wt./100 |        | Design Load |        |
|----------|--------------------|-----------------|--------|-------------|--------|
|          |                    | Lbs.            | (kg)   | Lbs.        | (kN)   |
| B22-I-3  | 3" (76)            | 72              | (32.6) | 500         | (2.22) |
| B22-I-4  | 4" (101)           | 88              | (39.9) | 800         | (3.56) |
| B22-I-6  | 6" (152)           | 120             | (54.4) | 1000        | (4.45) |
| B22-I-8  | 8" (203)           | 152             | (68.9) | 1200        | (5.34) |

| Part No.  | Length<br>in. (mm) | Approx. Wt./100 |          |
|-----------|--------------------|-----------------|----------|
|           |                    | Lbs.            | (kg)     |
| B22-I-12  | 12" (305)          | 224             | (101.6)  |
| B22-I-16  | 16" (406)          | 289             | (131.1)  |
| B22-I-20  | 20" (508)          | 353             | (160.1)  |
| B22-I-24  | 24" (609)          | 420             | (190.5)  |
| B22-I-32  | 32" (813)          | 553             | (250.8)  |
| B22-I-36  | 36" (914)          | 620             | (281.2)  |
| B22-I-40  | 40" (1016)         | 686             | (311.1)  |
| B22-I-48  | 48" (1219)         | 820             | (371.9)  |
| B22-I-60  | 60" (1524)         | 1018            | (461.7)  |
| B22-I-72  | 72" (1829)         | 1218            | (552.5)  |
| B22-I-84  | 84" (2133)         | 1417            | (642.7)  |
| B22-I-96  | 96" (2438)         | 1616            | (733.0)  |
| B22-I-108 | 108" (2743)        | 1816            | (823.7)  |
| B22-I-120 | 120" (3048)        | 2016            | (914.4)  |
| B22-I-144 | 144" (3657)        | 2416            | (1095.9) |
| B22-I-168 | 168" (4267)        | 2816            | (1277.3) |
| B22-I-192 | 192" (4877)        | 3216            | (1458.7) |
| B22-I-216 | 216" (5486)        | 3616            | (1640.2) |
| B22-I-240 | 240" (6096)        | 4016            | (1821.6) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.