

RB Series Threaded Rigid Conduit and IMC Reducers

Explosionproof, Dust-Ignitionproof

NEC/CEC:

RB75-50 thru RB200-150 all materials:
Class I, Division 1 and 2, Groups A, B, C, D
Class I, Zone 1 and 2, Groups IIA, IIB, IIC
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

RB-200-100 thru RB400-350:
Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIA, IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

Applications

- RB reducing bushings are designed to reduce conduit entries to a smaller size and are used in threaded rigid and IMC conduit systems.

Features

- Smooth rounded integral bushing protects conductor insulation
- Full machine tapered threads (NPT)

Standard Materials

- Steel, malleable iron or copperfree (4/10 of 1% max.) aluminum

Standard Finish

- Steel: zinc electroplate
- Malleable iron: zinc electroplate, chromate and epoxy powder coat
- Aluminum: natural



NEC/CEC Compliances and Certifications

- UL Standard: 886 (1203)
- UL Listed: E10444
- CSA Standard: C22.2 No. 25, C22.2 No. 30
- CSA Certified: 065181

Options

- Urathane paint available. Add suffix **-UP** to catalog number.

| Size (Inches) | Weight Per 100 kg (lb) | Catalog Number |
|---|------------------------|----------------|
| Reducing Bushings – Steel | | |
| 1/2 – 1/8 | 0.7 (1.50) | RB50-13 ①② |
| 1/2 – 1/4 | 0.9 (2.00) | RB50-25 ①② |
| 1/2 – 3/8 | 1.2 (2.70) | RB50-38 ①② |
| 3/4 – 1/2 | 2.7 (6.00) | RB75-50 ② |
| 1 – 1/2 | 6.3 (13.80) | RB100-50 ② |
| 1 – 3/4 | 3.6 (8.00) | RB100-75 ② |
| 1-1/4 – 1/2 | 13.2 (29.00) | RB125-50 |
| 1-1/4 – 3/4 | 10.4 (23.00) | RB125-75 |
| 1-1/4 – 1 | 7.7 (17.00) | RB125-100 |
| 1-1/2 – 1/2 | 17.7 (39.00) | RB150-50 |
| 1-1/2 – 3/4 | 15.9 (35.00) | RB150-75 |
| 1-1/2 – 1 | 14.1 (31.00) | RB150-100 |
| 1-1/2 – 1-1/4 | 17.5 (16.50) | RB150-125 |
| 2 – 1/2 | 30.8 (68.00) | RB200-50 |
| 2 – 3/4 | 29.0 (64.00) | RB200-75 |
| 2 – 1 | 25.9 (57.00) | RB200-100 |
| 2 – 1-1/4 | 20.4 (45.00) | RB200-125 |
| 2 – 1-1/2 | 17.2 (38.00) | RB200-150 |
| Reducing Bushings – Malleable Iron | | |
| 2-1/2 – 1 | 34.0 (75.00) | RB250-100 |
| 2-1/2 – 1-1/4 | 35.4 (78.00) | RB250-125 |
| 2-1/2 – 1-1/2 | 37.2 (82.00) | RB250-150 |
| 2-1/2 – 2 | 25.4 (56.00) | RB250-200 |
| 3 – 1 | 59.0 (130.00) | RB300-100 |
| 3 – 1-1/4 | 61.2 (135.00) | RB300-125 |
| 3 – 1-1/2 | 64.4 (142.00) | RB300-150 |
| 3 – 2 | 57.2 (126.00) | RB300-200 |
| 3 – 2-1/2 | 37.6 (83.00) | RB300-250 |
| 3-1/2 – 2 | 70.3 (155.00) | RB350-200 |
| 3-1/2 – 2-1/2 | 74.4 (164.00) | RB350-250 |
| 3-1/2 – 3 | 41.7 (92.00) | RB350-300 |
| 4 – 2 | 74.8 (165.00) | RB400-200 |
| 4 – 2-1/2 | 65.8 (245.00) | RB400-250 |
| 4 – 3 | 78.9 (174.00) | RB400-300 |
| 4 – 3-1/2 | 48.1 (106.00) | RB400-350 |
| 5 – 3-1/2 | 81.6 (180.00) | RB500-350 ③ |
| 5 – 4 | 86.2 (190.00) | RB500-400 ③ |
| 6 – 4 | 87.1 (192.00) | RB600-400 ③ |
| 6 – 5 | 88.5 (195.00) | RB600-500 ③ |

| Size (Inches) | Weight Per 100 kg (lb) | Catalog Number |
|-------------------------------------|------------------------|----------------|
| Reducing Bushings – Aluminum | | |
| 1/2 – 1/8 | 0.20 (0.50) | RB50-13A ①③ |
| 1/2 – 1/4 | 0.30 (0.70) | RB50-25A ①③ |
| 1/2 – 3/8 | 0.40 (0.90) | RB50-38A ①③ |
| 3/4 – 1/2 | 1.00 (2.30) | RB75-50A ③ |
| 1 – 1/2 | 3.10 (6.80) | RB100-50A ③ |
| 1 – 3/4 | 1.60 (3.50) | RB100-75A ③ |
| 1-1/4 – 1/2 | 4.20 (9.20) | RB125-50A |
| 1-1/4 – 3/4 | 3.30 (7.30) | RB125-75A |
| 1-1/4 – 1 | 2.70 (6.00) | RB125-100A |
| 1-1/2 – 1/2 | 6.40 (14.20) | RB150-50A |
| 1-1/2 – 3/4 | 5.80 (12.80) | RB150-75A |
| 1-1/2 – 1 | 5.40 (12.00) | RB150-100A |
| 1-1/2 – 1-1/4 | 2.90 (6.50) | RB150-125A |
| 2 – 1/2 | 13.20 (29.00) | RB200-50A |
| 2 – 3/4 | 12.00 (26.50) | RB200-75A |
| 2 – 1 | 10.70 (23.60) | RB200-100A |
| 2 – 1-1/4 | 8.50 (18.70) | RB200-125A |
| 2 – 1-1/2 | 7.30 (16.00) | RB200-150A |
| 2-1/2 – 1 | 12.20 (27.00) | RB250-100A |
| 2-1/2 – 1-1/4 | 12.7 (28.10) | RB250-125A |
| 2-1/2 – 1-1/2 | 37.2 (82.00) | RB250-150A |
| 2-1/2 – 2 | 9.1 (20.00) | RB250-200A |
| 3 – 1 | 21.2 (46.80) | RB300-100A |
| 3 – 1-1/4 | 22.0 (48.60) | RB300-125A |
| 3 – 1-1/2 | 23.2 (51.10) | RB300-150A |
| 3 – 2 | 23.1 (51.00) | RB300-200A |
| 3 – 2-1/2 | 15.9 (35.00) | RB300-250A |
| 3-1/2 – 2 | 25.3 (55.80) | RB350-200A |
| 3-1/2 – 2-1/2 | 26.0 (57.40) | RB350-250A |
| 3-1/2 – 3 | 19.1 (42.00) | RB350-300A |
| 4 – 2 | 26.9 (59.40) | RB400-200A |
| 4 – 2-1/2 | 27.6 (60.90) | RB400-250A |
| 4 – 3 | 35.2 (77.50) | RB400-300A |
| 4 – 3-1/2 | 22.7 (50.00) | RB400-350A |
| 5 – 3-1/2 | 29.4 (64.80) | RB500-350A ③ |
| 5 – 4 | 31.0 (68.40) | RB500-400A ③ |
| 6 – 4 | 31.3 (69.10) | RB600-400A ③ |
| 6 – 5 | 31.8 (70.20) | RB600-500A ③ |

① UL Recognized.

② Suitable for Class I, Group A, B, C, D, Class II Groups E, F, G, and Class III.

③ Class I, Groups C,D; Class II, Groups E,F,G; Class III.

HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF CONDUIT FITTINGS



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Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:

RB-200-100 thru RB400-350:
Class I, Division 1 and 2, Groups B, C, D
Class I, Zone 1 and 2, Groups IIA, IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
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| 1/2 – 3/8 | 1.2 (2.70) | RB50-38 ①② |
| 3/4 – 1/2 | 2.7 (6.00) | RB75-50 ② |
| 1 – 1/2 | 6.3 (13.80) | RB100-50 ② |
| 1 – 3/4 | 3.6 (8.00) | RB100-75 ② |
| 1-1/4 – 1/2 | 13.2 (29.00) | RB125-50 |
| 1-1/4 – 3/4 | 10.4 (23.00) | RB125-75 |
| 1-1/4 – 1 | 7.7 (17.00) | RB125-100 |
| 1-1/2 – 1/2 | 17.7 (39.00) | RB150-50 |
| 1-1/2 – 3/4 | 15.9 (35.00) | RB150-75 |
| 1-1/2 – 1 | 14.1 (31.00) | RB150-100 |
| 1-1/2 – 1-1/4 | 17.5 (16.50) | RB150-125 |
| 2 – 1/2 | 30.8 (68.00) | RB200-50 |
| 2 – 3/4 | 29.0 (64.00) | RB200-75 |
| 2 – 1 | 25.9 (57.00) | RB200-100 |
| 2 – 1-1/4 | 20.4 (45.00) | RB200-125 |
| 2 – 1-1/2 | 17.2 (38.00) | RB200-150 |
| Reducing Bushings – Malleable Iron | | |
| 2-1/2 – 1 | 34.0 (75.00) | RB250-100 |
| 2-1/2 – 1-1/4 | 35.4 (78.00) | RB250-125 |
| 2-1/2 – 1-1/2 | 37.2 (82.00) | RB250-150 |
| 2-1/2 – 2 | 25.4 (56.00) | RB250-200 |
| 3 – 1 | 59.0 (130.00) | RB300-100 |
| 3 – 1-1/4 | 61.2 (135.00) | RB300-125 |
| 3 – 1-1/2 | 64.4 (142.00) | RB300-150 |
| 3 – 2 | 57.2 (126.00) | RB300-200 |
| 3 – 2-1/2 | 37.6 (83.00) | RB300-250 |
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| 1/2 – 3/8 | 0.40 (0.90) | RB50-38A ①③ |
| 3/4 – 1/2 | 1.00 (2.30) | RB75-50A ③ |
| 1 – 1/2 | 3.10 (6.80) | RB100-50A ③ |
| 1 – 3/4 | 1.60 (3.50) | RB100-75A ③ |
| 1-1/4 – 1/2 | 4.20 (9.20) | RB125-50A |
| 1-1/4 – 3/4 | 3.30 (7.30) | RB125-75A |
| 1-1/4 – 1 | 2.70 (6.00) | RB125-100A |
| 1-1/2 – 1/2 | 6.40 (14.20) | RB150-50A |
| 1-1/2 – 3/4 | 5.80 (12.80) | RB150-75A |
| 1-1/2 – 1 | 5.40 (12.00) | RB150-100A |
| 1-1/2 – 1-1/4 | 2.90 (6.50) | RB150-125A |
| 2 – 1/2 | 13.20 (29.00) | RB200-50A |
| 2 – 3/4 | 12.00 (26.50) | RB200-75A |
| 2 – 1 | 10.70 (23.60) | RB200-100A |
| 2 – 1-1/4 | 8.50 (18.70) | RB200-125A |
| 2 – 1-1/2 | 7.30 (16.00) | RB200-150A |
| 2-1/2 – 1 | 12.20 (27.00) | RB250-100A |
| 2-1/2 – 1-1/4 | 12.7 (28.10) | RB250-125A |
| 2-1/2 – 1-1/2 | 37.2 (82.00) | RB250-150A |
| 2-1/2 – 2 | 9.1 (20.00) | RB250-200A |
| 3 – 1 | 21.2 (46.80) | RB300-100A |
| 3 – 1-1/4 | 22.0 (48.60) | RB300-125A |
| 3 – 1-1/2 | 23.2 (51.10) | RB300-150A |
| 3 – 2 | 23.1 (51.00) | RB300-200A |
| 3 – 2-1/2 | 15.9 (35.00) | RB300-250A |
| 3-1/2 – 2 | 25.3 (55.80) | RB350-200A |
| 3-1/2 – 2-1/2 | 26.0 (57.40) | RB350-250A |
| 3-1/2 – 3 | 19.1 (42.00) | RB350-300A |
| 4 – 2 | 26.9 (59.40) | RB400-200A |
| 4 – 2-1/2 | 27.6 (60.90) | RB400-250A |
| 4 – 3 | 35.2 (77.50) | RB400-300A |
| 4 – 3-1/2 | 22.7 (50.00) | RB400-350A |
| 5 – 3-1/2 | 29.4 (64.80) | RB500-350A ③ |
| 5 – 4 | 31.0 (68.40) | RB500-400A ③ |
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