



BAY STATE CRUCIBLE CO.

Serving the Foundry Industry since 1907

Induction Furnace Crucible Dimensions

| Trade No. | Height | Top Diam. O.S. | Bottom Diam. O.S. | Approximate Working Capacities, LBS. | | | Calculated Cu. In. Content Full |
|-----------|--------|----------------|-------------------|--------------------------------------|-------------|----------|---------------------------------|
| | | | | Steel | Copper Base | Aluminum | |
| 3P1/2 | 3-3/4 | 1-1/8 | 1-1/8 | | | | 2.1 |
| 3P1 | 3-1/2 | 1-13/16 | 1-13/16 | | | | 5.9 |
| 3P2 | 3-1/2 | 2-3/8 | 2-3/8 | | | | 10.0 |
| 3P4 | 4-1/8 | 3 | 3 | 4.0 | 4.4 | 1.4 | 20.97 |
| P3 | 5-1/2 | 2-3/4 | 2-3/4 | 3.0 | 3.3 | 1.0 | 20.87 |
| P5 | 6 | 3-3/8 | 3-3/8 | 5.0 | 5.5 | 1.7 | 33.78 |
| P10 | 7-1/8 | 4-3/4 | 3-1/2 | 10.0 | 10.9 | 3.4 | 60.39 |
| P12 | 7 | 4-1/4 | 4-1/4 | 12.0 | 13.1 | 4.1 | 63.74 |
| P17 | 8 | 4-1/2 | 4-1/2 | 17.0 | 18.5 | 5.8 | 83.53 |
| P30 | 9-3/4 | 5-3/4 | 5-1/4 | 30.0 | 32.7 | 10.2 | 165.03 |
| 171 | 11 | 6-1/2 | 6-1/2 | 50.0 | 54.5 | 17.0 | 247.97 |
| 172 | 11 | 7 | 7 | 50.0 | 54.5 | 17.0 | 295.11 |
| 173 | 11 | 7-1/2 | 7-1/2 | 75.0 | 81.8 | 25.5 | 346.35 |
| 308 | 8 | 2 | 2 | 3.0 | 3.3 | 1.1 | 18.80 |
| 309 | 8 | 2-3/4 | 2-3/4 | 4.0 | 4.4 | 1.3 | 23.37 |
| 310 | 8-1/2 | 3 | 3 | 5.5 | 6.0 | 1.9 | 32.07 |
| 311 | 10 | 4 | 4 | 17.0 | 18.5 | 5.8 | 79.33 |
| 312 | 10 | 5 | 5 | 25.0 | 27.3 | 8.5 | 135.65 |
| 313 | 12-3/4 | 6 | 6 | 45.0 | 49.1 | 15.3 | 239.30 |
| 509 | 12-1/2 | 8-3/4 | 8-3/4 | 100.0 | 109.0 | 34.0 | 530.15 |
| 510 | 14-1/2 | 9 | 9 | 150.0 | 163.50 | 51.0 | 702.45 |
| 512 | 16 | 9 | 9 | 150.0 | 179.9 | 56.1 | 748.87 |
| 513 | 13-3/4 | 9-3/4 | 9 | 150 | 163.5 | 51.7 | 680.52 |
| 515 | 15-1/8 | 10-1/2 | 10-1/2 | 200.0 | 218.0 | 68.0 | 970.21 |
| 515H | 18 | 10-1/2 | 10-1/2 | 200.0 | 218.0 | 68.0 | 1163.42 |
| 529 | 16-3/4 | 12 | 12 | 300.0 | 327.0 | 102.0 | 1452.20 |
| 529H | 18-3/8 | 12 | 12 | 385.0 | 419.7 | 131.0 | 1611.04 |
| 531 | 17 | 12 | 12 | 300.0 | 327.0 | 102.0 | 1452.20 |
| 545 | 18-3/8 | 14-1/4 | 14-1/4 | 450.0 | 490.5 | 153.0 | 1880.29 |
| 545H | 20 | 14-1/4 | 14-1/4 | 450.0 | 490.5 | 153.0 | 1975.0 |
| 564 | 21 | 15-1/4 | 15-1/4 | 500.0 | 545.0 | 170.0 | 3006.92 |
| 576 | 22 | 16 | 16 | 650.0 | 708.5 | 221.0 | 3350.22 |
| 581 | 26 | 19 | 19 | 1000.0 | 1090.0 | 340.1 | 4825.44 |
| 582 | 33-1/2 | 19 | 19 | 1500.0 | 1635.0 | 510.2 | 6584.63 |
| 585 | 27-1/2 | 21 | 21 | 1500.0 | 1635.0 | 510.2 | 6994.00 |
| 601 | 22-1/8 | 20 | 17 | | | | 4008 |
| 703 | 32 | 23-1/2 | 23-1/2 | 2000.0 | 2180.0 | 680.3 | 8959.50 |

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