| Input oven dimensions all in *inches* | |
|---|---|
| Oven size | 42.00 |
| Distance from IT Pivot to Dome Floor | 3.50 |
| Height of vertical course(s) | 4.50 |
| Brick Height | 2.50 |
| Brick Width | 4.50 |
| Brick Depth | 9.00 |
| Mortar Joint size | 0.125 |

| | |
|---|---|
| Length of IT (*inches*) | 21.0 |
| Dome height (*inches*) | 24.5 |
| Door height (*inches*) | 15.4 |
| Effective Radius (*inches*) | 21.0 |
| Inner Arc Angle | 87.3 |
| Inner Arc Length (*inches*) | 32.0 |
| Courses | 12.0 |
| Plug size (*inches*) | 4.0 |
| <u>Rough Brick Count (what to order)</u> | |
| Dome | 215 |
| Floor, bricks on wide edge | 17 |
| OR | |
| Floor, bricks on narrow edge | 31 |

| Course Number | Brick Count | Finished Course Measurements (*inches*) | | | | Jig Setup (see graphic) (*degrees*) | | | Cut Brick Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Inner Radius | Outer Radius | Inner Height from Pivot | Outer Height from Pivot | Side Tilt (if using Chipster's Jig) | Back Tilt (if using Hendo Jig) | Side Angle | Inside Bottom | Outside Bottom |
| Soldier | 40.8 | 21.0 | 30.0 | 1.0 | 1.0 | - | - | 4.4 | 3.11 | 4.50 |
| 1 | 40.8 | 20.9 | 29.9 | 2.2 | 3.2 | 1.0 | 6.1 | 4.4 | 3.11 | 4.50 |
| 2 | 40.6 | 20.5 | 29.3 | 4.7 | 6.7 | 1.8 | 12.9 | 4.4 | 3.11 | 4.50 |
| 3 | 39.8 | 19.8 | 28.3 | 7.1 | 10.2 | 2.5 | 19.8 | 4.4 | 3.11 | 4.50 |
| 4 | 43.0 | 18.8 | 26.9 | 9.4 | 13.4 | 3.0 | 26.6 | 3.9 | 2.77 | 4.00 |
| 5 | 40.9 | 17.6 | 25.1 | 11.6 | 16.5 | 3.8 | 33.4 | 3.9 | 2.76 | 4.00 |
| 6 | 38.2 | 16.1 | 22.9 | 13.6 | 19.4 | 4.6 | 40.2 | 3.9 | 2.76 | 4.00 |
| 7 | 34.9 | 14.3 | 20.5 | 15.4 | 22.0 | 5.7 | 47.0 | 3.9 | 2.77 | 4.00 |
| 8 | 31.2 | 12.4 | 17.7 | 17.0 | 24.2 | 6.9 | 53.8 | 3.9 | 2.76 | 4.00 |
| 9 | 27.0 | 10.3 | 14.7 | 18.3 | 26.2 | 8.5 | 60.6 | 3.9 | 2.76 | 4.00 |
| 10 | 22.4 | 8.1 | 11.5 | 19.4 | 27.7 | 10.7 | 67.5 | 3.9 | 2.77 | 4.00 |
| 11 | 17.5 | 5.7 | 8.1 | 20.2 | 28.9 | 14.1 | 74.3 | 3.9 | 2.77 | 4.00 |
| 12 | 12.4 | 3.3 | 4.7 | 20.8 | 29.7 | 25.3 | 81.1 | 3.9 | 2.76 | 4.00 |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |