

## UNCOATED/ HOT-DIP SQUARES

| OD<br>in.   | NOMINAL WALL THICKNESS |       |       |       |       |       |        |        |        |        |        |         |         |         |         |         |
|-------------|------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
|             | 0.065                  | 0.083 | 0.100 | 0.120 | 0.125 | 0.134 | 0.188  | 0.238  | 0.250  | 0.313  | 0.375  | 0.500   | 0.625   | 0.750   | 0.875   | 1.000   |
| 0.5x0.5     | 0.385                  | —     | —     | —     | —     | —     | —      | —      | —      | —      | —      | —       | —       | —       | —       | —       |
| 0.75x0.75   | 0.605                  | 0.753 | —     | 1.028 | —     | —     | —      | —      | —      | —      | —      | —       | —       | —       | —       | —       |
| 1x1         | 0.827                  | 1.035 | 1.140 | 1.437 | 1.488 | —     | —      | —      | —      | —      | —      | —       | —       | —       | —       | —       |
| 1.25x1.25   | 1.048                  | 1.317 | 1.480 | 1.846 | 1.912 | —     | —      | —      | —      | —      | —      | —       | —       | —       | —       | —       |
| 1.5x1.5     | 1.270                  | 1.600 | 1.820 | 2.252 | 2.200 | 2.487 | 3.040  | —      | 4.250  | —      | —      | —       | —       | —       | —       | —       |
| 2x2         | 1.712                  | 2.164 | 2.580 | 3.068 | 3.060 | 3.401 | 4.320  | —      | 5.410  | —      | —      | —       | —       | —       | —       | —       |
| 2.125x2.125 | —                      | —     | —     | —     | 3.266 | 3.474 | 4.647  | —      | —      | —      | —      | —       | —       | —       | —       | —       |
| 2.5x2.5     | —                      | 2.670 | —     | 3.760 | 3.900 | 4.312 | 5.590  | 6.830  | 7.110  | 8.460  | —      | —       | —       | —       | —       | —       |
| 3x3         | —                      | —     | —     | 4.580 | 4.750 | 5.222 | 6.870  | 8.665  | 8.810  | 10.580 | 12.170 | —       | —       | —       | —       | —       |
| 3.5x3.5     | —                      | —     | —     | 5.520 | 5.610 | 5.980 | 8.150  | 10.070 | 10.510 | 12.700 | 14.720 | —       | —       | —       | —       | —       |
| 4x4         | —                      | —     | —     | 6.330 | 6.460 | 6.890 | 9.420  | —      | 12.210 | 14.830 | 17.270 | 21.630  | —       | —       | —       | —       |
| 4.5x4.5     | —                      | —     | —     | —     | 7.310 | 7.810 | 10.700 | —      | 13.910 | 16.960 | 19.820 | 24.030  | —       | —       | —       | —       |
| 5x5         | —                      | —     | —     | —     | 8.160 | 8.720 | 11.970 | —      | 15.620 | 19.080 | 22.370 | 28.430  | —       | —       | —       | —       |
| 6x6         | —                      | —     | —     | —     | 9.860 | —     | 14.530 | —      | 19.020 | 23.334 | 27.480 | 35.240  | 42.300  | —       | —       | —       |
| 7x7         | —                      | —     | —     | —     | —     | —     | 17.080 | —      | 22.420 | 27.590 | 32.580 | 42.050  | 50.810  | —       | —       | —       |
| 8x8         | —                      | —     | —     | —     | —     | —     | 19.630 | —      | 25.820 | 31.840 | 37.690 | 48.850  | 59.320  | —       | —       | —       |
| 9x9         | —                      | —     | —     | —     | —     | —     | 22.180 | —      | 29.230 | 36.100 | 42.790 | 55.660  | 67.820  | —       | —       | —       |
| 10x10       | —                      | —     | —     | —     | —     | —     | 24.730 | —      | 32.630 | 40.350 | 47.900 | 62.460  | 76.330  | 89.500  | —       | —       |
| 12x12       | —                      | —     | —     | —     | —     | —     | —      | —      | 39.430 | 48.860 | 58.100 | 76.070  | 93.340  | 109.910 | 125.790 | —       |
| 14x14       | —                      | —     | —     | —     | —     | —     | —      | —      | —      | 57.360 | 68.310 | 89.680  | 110.360 | 130.330 | 149.610 | 168.180 |
| 16x16       | —                      | —     | —     | —     | —     | —     | —      | —      | —      | 65.870 | 78.520 | 103.300 | 127.370 | 150.750 | 173.430 | 195.400 |
| 18x18       | —                      | —     | —     | —     | —     | —     | —      | —      | —      | —      | 88.730 | 116.910 | 144.290 | 171.160 | 197.240 | 222.630 |
| 20x20       | —                      | —     | —     | —     | —     | —     | —      | —      | —      | —      | 98.940 | 130.520 | 161.400 | 191.580 | 221.060 | 249.850 |
| 22x22       | —                      | —     | —     | —     | —     | —     | —      | —      | —      | —      | —      | 144.130 | 178.410 | 212.000 | 244.900 | 277.070 |

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# UNCOATED / HOT-DIP RECTANGLES

| OD<br>in.  | NOMINAL WALL THICKNESS |       |       |       |        |        |        |        |        |        |        |        |        |       |       |       |
|------------|------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
|            | 0.065                  | 0.083 | 0.100 | 0.120 | 0.125  | 0.134  | 0.188  | 0.238  | 0.250  | 0.313  | 0.375  | 0.500  | 0.625  | 0.750 | 0.875 | 1.000 |
| 1.5 x 0.75 | —                      | 1.120 | —     | 1.520 | —      | —      | —      | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 1.5 x 1    | 1.048                  | 1.317 | —     | 1.844 | —      | —      | —      | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 2 x 1      | 1.270                  | 1.600 | 1.904 | 2.252 | 2.200  | 2.330  | 3.040  | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 2 x 1.5    | —                      | —     | —     | —     | 2.630  | 2.790  | 3.680  | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 2 x 3      | —                      | —     | —     | —     | 3.900  | 4.160  | 5.590  | 6.830  | 7.110  | —      | —      | —      | —      | —     | —     | —     |
| 2 x 4      | —                      | —     | —     | —     | 4.750  | 5.070  | 6.870  | 8.440  | 8.810  | —      | —      | —      | —      | —     | —     | —     |
| 2.5 x 1    | —                      | —     | —     | —     | 2.630  | 2.790  | 3.680  | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 2.5 x 1.5  | 1.670                  | 2.164 | 2.580 | 3.070 | 3.060  | 3.401  | 4.320  | —      | 5.410  | —      | —      | —      | —      | —     | —     | —     |
| 2.5 x 2    | —                      | —     | —     | 3.350 | 3.480  | 3.700  | 4.960  | —      | 6.260  | —      | —      | —      | —      | —     | —     | —     |
| 3 x 1      | 1.712                  | 2.164 | —     | 3.070 | 3.060  | 3.250  | 4.320  | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 3 x 1.5    | —                      | —     | —     | 3.476 | 3.480  | 3.700  | 4.960  | —      | 6.260  | —      | —      | —      | —      | —     | —     | —     |
| 3 x 2      | —                      | 2.670 | —     | 3.760 | 3.900  | 4.160  | 5.590  | 6.830  | 7.110  | 8.450  | —      | —      | —      | —     | —     | —     |
| 3 x 2.5    | —                      | —     | —     | —     | 4.330  | 4.610  | 6.230  | —      | 7.960  | —      | —      | —      | —      | —     | —     | —     |
| 3 x 5      | —                      | —     | —     | —     | 6.460  | 6.890  | 9.420  | —      | 12.210 | —      | —      | —      | —      | —     | —     | —     |
| 3.5 x 1.5  | —                      | —     | —     | —     | 3.900  | 4.160  | 5.590  | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 3.5 x 2    | —                      | —     | —     | —     | 4.330  | 4.610  | 6.230  | —      | 7.960  | —      | —      | —      | —      | —     | —     | —     |
| 3.5 x 2.5  | —                      | —     | —     | —     | 4.750  | 5.070  | 6.870  | —      | 8.810  | —      | —      | —      | —      | —     | —     | —     |
| 4 x 1.25   | —                      | —     | —     | 4.088 | —      | —      | —      | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 4 x 1.5    | —                      | —     | —     | —     | 4.330  | 4.610  | 6.230  | —      | —      | —      | —      | —      | —      | —     | —     | —     |
| 4 x 2      | —                      | —     | —     | 4.580 | 4.750  | 5.070  | 6.870  | 8.450  | 8.810  | 10.580 | 12.170 | —      | —      | —     | —     | —     |
| 4 x 2.5    | —                      | —     | —     | —     | 5.180  | 5.530  | 7.510  | —      | 9.660  | —      | —      | —      | —      | —     | —     | —     |
| 4 x 3      | —                      | —     | —     | 5.520 | 5.610  | 5.980  | 8.150  | 10.070 | 10.510 | 12.700 | 14.720 | —      | —      | —     | —     | —     |
| 4.5 x 3    | —                      | —     | —     | —     | 6.030  | 6.130  | 8.780  | —      | 11.360 | —      | —      | —      | —      | —     | —     | —     |
| 5 x 2      | —                      | —     | —     | 5.520 | 5.610  | 5.980  | 8.150  | 10.070 | 10.510 | 12.700 | 14.720 | —      | —      | —     | —     | —     |
| 5 x 2.5    | —                      | —     | —     | —     | 6.030  | 6.440  | 8.780  | —      | 11.360 | —      | —      | —      | —      | —     | —     | —     |
| 5 x 3      | —                      | —     | —     | 6.330 | 6.460  | 6.890  | 9.420  | —      | 12.210 | 14.830 | 17.270 | 21.630 | —      | —     | —     | —     |
| 5 x 4      | —                      | —     | —     | —     | 7.310  | 7.810  | 10.700 | —      | 13.910 | 16.960 | 19.820 | 25.030 | —      | —     | —     | —     |
| 6 x 2      | —                      | —     | —     | 6.330 | 6.460  | 6.890  | 9.420  | —      | 12.210 | 14.830 | 17.270 | —      | —      | —     | —     | —     |
| 6 x 3      | —                      | —     | —     | —     | 7.310  | 7.810  | 10.700 | —      | 13.910 | 16.960 | 19.820 | 25.030 | —      | —     | —     | —     |
| 6 x 4      | —                      | —     | —     | —     | 8.160  | 8.720  | 11.970 | —      | 15.620 | 19.080 | 22.370 | 28.430 | —      | —     | —     | —     |
| 6 x 5      | —                      | —     | —     | —     | 9.010  | 9.630  | 13.300 | —      | 17.320 | 21.220 | 24.930 | 31.840 | —      | —     | —     | —     |
| 7 x 3      | —                      | —     | —     | —     | 8.160  | 8.720  | 11.970 | —      | 15.620 | 19.080 | 22.370 | 28.430 | —      | —     | —     | —     |
| 7 x 4      | —                      | —     | —     | —     | 9.010  | 9.630  | 13.300 | —      | 17.320 | 21.220 | 24.930 | 31.840 | —      | —     | —     | —     |
| 7 x 5      | —                      | —     | —     | —     | 9.860  | —      | 14.530 | —      | 19.020 | 23.340 | 27.480 | 35.240 | —      | —     | —     | —     |
| 8 x 2      | —                      | —     | —     | —     | 8.160  | 8.720  | 11.970 | —      | 15.620 | 19.080 | 22.370 | —      | —      | —     | —     | —     |
| 8 x 3      | —                      | —     | —     | —     | 9.010  | 9.630  | 13.300 | —      | 17.320 | 21.220 | 24.930 | 31.840 | —      | —     | —     | —     |
| 8 x 4      | —                      | —     | —     | —     | 9.860  | —      | 14.530 | —      | 19.020 | 23.340 | 27.480 | 35.240 | 42.300 | —     | —     | —     |
| 8 x 5      | —                      | —     | —     | —     | 10.710 | 11.450 | 15.800 | —      | 20.720 | 25.460 | 30.030 | 38.610 | —      | —     | —     | —     |
| 8 x 6      | —                      | —     | —     | —     | —      | —      | 17.080 | —      | 22.420 | 27.590 | 32.580 | 42.050 | 50.810 | —     | —     | —     |
| 9 x 5      | —                      | —     | —     | —     | —      | —      | 17.080 | —      | 22.420 | 27.590 | 32.580 | 42.050 | 50.810 | —     | —     | —     |
| 9 x 7      | —                      | —     | —     | —     | —      | —      | 19.630 | —      | 25.820 | 31.840 | 37.690 | 48.850 | 59.320 | —     | —     | —     |
| 10 x 2     | —                      | —     | —     | —     | —      | —      | 14.530 | —      | 19.020 | 23.340 | 27.480 | —      | —      | —     | —     | —     |

## UNCOATED / HOT-DIP RECTANGLES

| OD<br>in. | NOMINAL WALL THICKNESS |       |       |       |        |        |        |       |        |        |        |         |         |         |         |         |
|-----------|------------------------|-------|-------|-------|--------|--------|--------|-------|--------|--------|--------|---------|---------|---------|---------|---------|
|           | 0.065                  | 0.083 | 0.100 | 0.120 | 0.125  | 0.134  | 0.188  | 0.238 | 0.250  | 0.313  | 0.375  | 0.500   | 0.625   | 0.750   | 0.875   | 1.000   |
| 10 x 3    | —                      | —     | —     | —     | 10.710 | 11.450 | 15.800 | —     | 20.720 | 25.460 | 30.030 | —       | —       | —       | —       | —       |
| 10 x 3.5  | —                      | —     | —     | —     | 11.130 | 11.910 | 16.440 | —     | 21.570 | 26.530 | 31.310 | —       | —       | —       | —       | —       |
| 10 x 4    | —                      | —     | —     | —     | —      | —      | 17.080 | —     | 22.420 | 27.590 | 32.580 | 42.050  | 50.810  | —       | —       | —       |
| 10 x 5    | —                      | —     | —     | —     | —      | —      | 18.350 | —     | 24.120 | 29.720 | 35.130 | 45.450  | 55.060  | —       | —       | —       |
| 10 x 6    | —                      | —     | —     | —     | —      | —      | 19.630 | —     | 25.820 | 31.840 | 37.690 | 48.850  | 59.320  | —       | —       | —       |
| 10 x 8    | —                      | —     | —     | —     | —      | —      | 22.180 | —     | 29.230 | 36.100 | 42.790 | 55.660  | 67.820  | —       | —       | —       |
| 12 x 3    | —                      | —     | —     | —     | —      | —      | 18.350 | —     | 24.120 | 29.720 | 35.130 | —       | —       | —       | —       | —       |
| 12 x 4    | —                      | —     | —     | —     | —      | —      | 19.630 | —     | 25.820 | 31.840 | 37.690 | 48.850  | 59.320  | —       | —       | —       |
| 12 x 6    | —                      | —     | —     | —     | —      | —      | 22.180 | —     | 29.230 | 36.100 | 42.790 | 55.660  | 67.820  | —       | —       | —       |
| 12 x 8    | —                      | —     | —     | —     | —      | —      | 24.730 | —     | 32.630 | 40.350 | 47.900 | 62.460  | 76.330  | 89.500  | —       | —       |
| 12 x 10   | —                      | —     | —     | —     | —      | —      | —      | —     | 36.030 | 44.670 | 53.000 | 69.270  | 84.840  | —       | —       | —       |
| 14 x 4    | —                      | —     | —     | —     | —      | —      | 22.180 | —     | 29.230 | 36.100 | 42.790 | 55.660  | 67.820  | —       | —       | —       |
| 14 x 6    | —                      | —     | —     | —     | —      | —      | 24.730 | —     | 32.630 | 40.350 | 47.900 | 62.460  | 76.330  | —       | —       | —       |
| 14 x 10   | —                      | —     | —     | —     | —      | —      | —      | —     | 39.430 | 48.860 | 58.100 | 76.070  | 93.340  | —       | —       | —       |
| 16 x 4    | —                      | —     | —     | —     | —      | —      | —      | —     | 32.630 | 40.350 | 47.900 | 62.460  | 76.330  | —       | —       | —       |
| 16 x 8    | —                      | —     | —     | —     | —      | —      | —      | —     | 39.430 | 48.860 | 58.100 | 76.070  | 93.340  | 109.910 | 125.790 | —       |
| 16 x 12   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | 57.360 | 68.310 | 89.680  | 110.360 | 130.330 | 149.610 | 168.180 |
| 18 x 6    | —                      | —     | —     | —     | —      | —      | —      | —     | 39.430 | 48.860 | 58.100 | 76.070  | 93.340  | —       | —       | —       |
| 20 x 4    | —                      | —     | —     | —     | —      | —      | —      | —     | 39.430 | 48.860 | 58.100 | 76.070  | —       | —       | —       | —       |
| 20 x 8    | —                      | —     | —     | —     | —      | —      | —      | —     | —      | 57.360 | 68.310 | 89.680  | 110.360 | 130.330 | 149.610 | 168.180 |
| 20 x 12   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | 65.870 | 78.520 | 103.300 | 127.370 | 150.750 | 173.430 | 195.400 |
| 20 x 16   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | —      | 88.730 | 116.910 | 144.290 | 171.160 | 197.240 | 222.630 |
| 22 x 18   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | —      | 98.940 | 130.520 | 161.400 | 191.580 | 221.060 | 249.850 |
| 24 x 12   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | —      | 88.730 | 116.910 | 144.390 | 171.160 | 197.240 | 222.630 |
| 24 x 16   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | —      | 98.940 | 130.520 | 161.400 | 191.580 | 221.060 | 249.850 |
| 30 x 10   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | —      | 98.940 | 130.520 | 161.400 | 191.580 | 221.060 | 249.850 |
| 34 x 10   | —                      | —     | —     | —     | —      | —      | —      | —     | —      | —      | —      | 144.130 | 178.410 | 212.000 | 244.900 | 277.070 |

# UNCOATED / HOT-DIP ROUNDS

| SIZE   | NOMINAL WALL THICKNESS |       |       |       |       |       |       |       |       |       |       |        |       |       |       |       |       |        |
|--------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
|        | 0.100                  | 0.109 | 0.113 | 0.120 | 0.125 | 0.133 | 0.134 | 0.140 | 0.145 | 0.154 | 0.179 | 0.188  | 0.191 | 0.200 | 0.203 | 0.216 | 0.226 | 0.237  |
| 0.84   | —                      | 0.850 | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 1.05   | —                      | —     | 1.131 | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 1.315  | —                      | 1.404 | —     | —     | 1.590 | 1.679 | —     | —     | —     | —     | 2.172 | —      | —     | —     | —     | —     | —     | —      |
| 1.5    | 1.500                  | —     | —     | —     | 1.840 | —     | 1.960 | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 1.66   | 1.670                  | 1.810 | —     | —     | 2.051 | —     | 2.186 | 2.270 | —     | —     | —     | —      | 2.997 | —     | —     | —     | —     | —      |
| 1.9    | 1.924                  | 2.085 | —     | —     | 2.372 | —     | 2.530 | —     | 2.780 | —     | —     | 3.432  | —     | 3.631 | —     | —     | —     | —      |
| 2      | 2.030                  | —     | —     | —     | 2.510 | —     | 2.670 | —     | —     | —     | —     | 3.640  | —     | —     | —     | —     | —     | —      |
| 2.25   | —                      | —     | —     | —     | 2.840 | —     | 3.030 | —     | —     | —     | —     | 4.144  | —     | —     | —     | —     | —     | —      |
| 2.375  | —                      | 2.638 | —     | —     | 3.007 | —     | 3.210 | —     | —     | 3.660 | —     | 4.385  | —     | —     | —     | 5.020 | —     | —      |
| 2.5    | 2.560                  | —     | —     | —     | 3.174 | —     | 3.390 | —     | —     | —     | —     | 4.646  | —     | —     | —     | —     | —     | —      |
| 2.75   | 2.830                  | —     | —     | —     | 3.510 | —     | 3.750 | —     | —     | —     | —     | 5.150  | —     | —     | —     | —     | —     | —      |
| 2.875  | —                      | —     | —     | 3.531 | 3.675 | —     | 3.930 | —     | —     | —     | —     | 5.400  | —     | —     | 5.800 | —     | —     | —      |
| 3      | —                      | —     | —     | —     | 3.842 | —     | 4.110 | —     | —     | —     | —     | 5.651  | —     | —     | —     | —     | —     | —      |
| 3.5    | —                      | —     | —     | 4.332 | 4.510 | —     | 4.820 | —     | —     | —     | —     | 6.656  | —     | —     | —     | 7.580 | —     | —      |
| 4      | —                      | —     | —     | 4.972 | 5.178 | —     | 5.540 | —     | —     | —     | —     | 7.661  | —     | —     | —     | —     | 9.118 | —      |
| 4.5    | —                      | —     | —     | 5.614 | —     | —     | 6.254 | —     | —     | —     | —     | 8.644  | —     | —     | —     | —     | —     | 10.790 |
| 5      | —                      | —     | —     | —     | 6.514 | —     | 6.970 | —     | —     | —     | —     | 9.671  | —     | —     | —     | —     | —     | —      |
| 5.5    | —                      | —     | —     | —     | 7.180 | —     | 7.690 | —     | —     | —     | —     | 10.650 | —     | —     | —     | —     | —     | —      |
| 5.563  | —                      | —     | —     | —     | —     | —     | 7.777 | —     | —     | —     | —     | 10.775 | —     | —     | —     | —     | —     | —      |
| 6      | —                      | —     | —     | —     | 7.850 | —     | 8.404 | —     | —     | —     | —     | 11.682 | —     | —     | —     | —     | —     | —      |
| 6.625  | —                      | —     | —     | —     | —     | —     | 9.298 | —     | —     | —     | —     | 12.903 | —     | —     | —     | —     | —     | —      |
| 7      | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 13.690 | —     | —     | —     | —     | —     | —      |
| 7.25   | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 7.5    | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 8.625  | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 16.956 | —     | —     | —     | —     | —     | —      |
| 9.625  | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 10     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 19.722 | —     | —     | —     | —     | —     | —      |
| 10.75  | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 21.171 | —     | —     | —     | —     | —     | —      |
| 11.75  | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 12     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 12.75  | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 13.375 | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 14     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 27.760 | —     | —     | —     | —     | —     | —      |
| 16     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 31.780 | —     | —     | —     | —     | —     | —      |
| 18     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 20     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 24     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |
| 28     | —                      | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      | —     | —     | —     | —     | —     | —      |

# UNCOATED / HOT-DIP ROUNDS

| SIZE   | NOMINAL WALL THICKNESS |        |       |        |        |        |        |        |        |        |        |         |        |         |         |         |         |         |
|--------|------------------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|---------|---------|---------|---------|---------|
|        | 0.250                  | 0.258  | 0.276 | 0.280  | 0.300  | 0.313  | 0.318  | 0.322  | 0.337  | 0.342  | 0.365  | 0.375   | 0.432  | 0.500   | 0.625   | 0.750   | 0.875   | 1.000   |
| in.    |                        |        |       |        |        |        |        |        |        |        |        |         |        |         |         |         |         |         |
| 0.84   | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 1.05   | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 1.315  | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 1.5    | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 1.66   | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 1.9    | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 2      | 4.680                  | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 2.25   | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 2.375  | 5.674                  | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 2.5    | 6.013                  | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 2.75   | 6.680                  | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 2.875  | 7.015                  | —      | 7.661 | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 3      | 7.349                  | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 3.5    | 8.686                  | —      | —     | —      | 10.253 | —      | —      | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 4      | 10.022                 | —      | —     | —      | —      | —      | 12.510 | —      | —      | —      | —      | —       | —      | —       | —       | —       | —       | —       |
| 4.5    | 11.358                 | —      | —     | —      | —      | 14.010 | —      | —      | 14.983 | —      | —      | 16.536  | —      | —       | —       | —       | —       | —       |
| 5      | 12.694                 | —      | —     | —      | —      | 15.683 | —      | —      | —      | —      | —      | 18.540  | —      | 24.050  | —       | —       | —       | —       |
| 5.5    | 14.030                 | —      | —     | —      | —      | 17.330 | —      | —      | —      | —      | —      | 20.550  | —      | 26.730  | —       | —       | —       | —       |
| 5.563  | 14.199                 | 14.630 | —     | —      | —      | 17.550 | —      | —      | —      | —      | —      | 20.797  | —      | 27.062  | —       | —       | —       | —       |
| 6      | 15.369                 | —      | —     | —      | —      | 19.031 | —      | —      | —      | —      | —      | 22.550  | —      | 29.402  | —       | —       | —       | —       |
| 6.625  | 17.037                 | —      | —     | 18.990 | —      | 21.120 | —      | —      | —      | —      | —      | 25.055  | 28.600 | 32.738  | —       | —       | —       | —       |
| 7      | 18.039                 | —      | —     | —      | —      | 22.375 | —      | —      | —      | —      | —      | 26.558  | —      | 34.743  | —       | —       | —       | —       |
| 7.25   | 18.710                 | —      | —     | —      | —      | 23.214 | —      | —      | —      | —      | —      | 27.564  | —      | 36.084  | 44.269  | —       | —       | —       |
| 7.5    | 19.380                 | —      | —     | —      | —      | 24.050 | —      | —      | —      | —      | —      | 28.560  | —      | 37.420  | 45.930  | —       | —       | —       |
| 8.625  | 22.382                 | —      | —     | —      | —      | 27.810 | —      | 28.580 | —      | —      | —      | 33.072  | —      | 43.428  | 53.450  | —       | —       | —       |
| 9.625  | 25.055                 | —      | —     | —      | —      | 31.158 | —      | —      | —      | 33.940 | —      | 37.081  | —      | 48.773  | 60.131  | —       | —       | —       |
| 10     | 26.060                 | —      | —     | —      | —      | 32.417 | —      | —      | —      | —      | —      | 38.580  | —      | 50.784  | 62.645  | —       | —       | —       |
| 10.75  | 28.061                 | —      | —     | —      | —      | 34.922 | —      | —      | —      | —      | 38.581 | 41.591  | —      | 54.786  | 67.648  | —       | —       | —       |
| 11.75  | 30.734                 | —      | —     | —      | —      | 38.210 | —      | —      | —      | —      | —      | 45.600  | —      | 60.131  | 74.329  | —       | —       | —       |
| 12     | 31.402                 | —      | —     | —      | —      | 39.100 | —      | —      | —      | —      | —      | 46.602  | —      | 61.468  | 75.999  | —       | —       | —       |
| 12.75  | 33.406                 | —      | —     | —      | —      | 41.610 | —      | —      | —      | —      | —      | 49.608  | —      | 65.476  | 81.010  | 96.210  | 111.080 | —       |
| 13.375 | 35.077                 | —      | —     | —      | —      | 43.710 | —      | —      | —      | —      | —      | 52.114  | —      | 68.817  | 85.186  | —       | —       | —       |
| 14     | 36.747                 | —      | —     | —      | —      | 45.800 | —      | —      | —      | —      | —      | 54.619  | —      | 72.158  | 89.362  | 106.230 | 122.770 | —       |
| 16     | 42.092                 | —      | —     | —      | —      | 52.490 | —      | —      | —      | —      | —      | 62.637  | —      | 82.848  | 102.724 | 122.270 | 141.480 | 160.350 |
| 18     | 47.437                 | —      | —     | —      | —      | 59.180 | —      | —      | —      | —      | —      | 70.654  | —      | 93.540  | 116.087 | 138.300 | 160.190 | 181.730 |
| 20     | 52.782                 | —      | —     | —      | —      | 65.870 | —      | —      | —      | —      | —      | 78.672  | —      | 104.228 | 129.449 | 154.340 | 178.890 | 203.110 |
| 24     | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | 94.710  | —      | 125.610 | 156.180 | 186.410 | 216.310 | 245.870 |
| 28     | —                      | —      | —     | —      | —      | —      | —      | —      | —      | —      | —      | 110.740 | —      | 146.990 | 182.900 | 218.480 | 253.720 | 288.630 |