## Niemi Isolering – Prisliste (DK)

Genereret: 14.10.2025

## LV-Niemi Isolering Oü 01.10.2025-01.05.2026 Pladeprodukter Zn.REV.2.xlsx – Ark: Katteplekk

|        |                         |            |                     |                             | _                           |                       |                   |            |                |       |
|--------|-------------------------|------------|---------------------|-----------------------------|-----------------------------|-----------------------|-------------------|------------|----------------|-------|
|        | Unnamed: 1              | Unnamed: 2 | Unnamed: 3          | Unnamed: 4                  | Unnamed: 5                  | Unnamed: 6            | Unnamed: 7        | Unnamed: 8 | Unnamed: 9     | Unnar |
| m +38% |                         |            |                     |                             |                             | 01.10.2025-01.05.2026 |                   |            |                | REV.2 |
|        | insulation thickness mm | OD         | Straight €/m        | Elbow, 1,5D 90degree €/Pcs. | Elbow, 1,5D 45degree €/Pcs. | Reducer €/Pcs.        | Reducer EX €/Pcs. | Tee €/Pcs. | End cap €/Pcs. | OHITU |
|        | 20                      | 70         | 1.99840000000000002 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 20                      | 70         | 1.99840000000000002 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 20                      | 70         | 1.99840000000000002 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 20                      | 70         | 1.99840000000000002 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 20                      | 76         | 2.14912             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 20                      | 89         | 2.47568             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 20                      | 96         | 2.65152             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 20                      | 96         | 2.65152             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 86         | 2.40032000000000002 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 86         | 2.40032000000000002 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 86         | 2.40032000000000002 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 96         | 2.65152             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 96         | 2.65152             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 106        | 2.90272000000000004 | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 115        | 3.1288              | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 115        | 3.1288              | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 122        | 3.3046400000000005  | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 122        | 3.3046400000000005  | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 133        | 3.58096             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 133        | 3.58096             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 146        | 3.90752             | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        | 30                      | 160        | 4.259200000000001   | 3.2                         | 1.6                         | 3.449999999999997     | 3.75              | 3          | 1.2            | 7     |
|        |                         |            |                     |                             |                             |                       |                   |            |                |       |

| Unnamed: 1 | Unnamed: 2 | Unnamed: 3         | Unnamed: 4 | Unnamed: 5 | Unnamed: 6        | Unnamed: 7 | Unnamed: 8 | Unnamed: 9 | Unnar |
|------------|------------|--------------------|------------|------------|-------------------|------------|------------|------------|-------|
| 30         | 173        | 4.5857600000000005 | 3.2        | 1.6        | 3.449999999999997 | 3.75       | 3          | 1.2        | 7     |
| 30         | 185        | 4.8872             | 3.2        | 1.6        | 3.449999999999997 | 3.75       | 3          | 1.2        | 7     |
| 30         | 199        | 5.23888            | 3.2        | 1.6        | 3.449999999999997 | 3.75       | 3          | 1.2        | 7     |

| 12  | 40 | 106 | 2.9027200000000004  | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
|-----|----|-----|---------------------|------|------|-------------------|-------|-----|-----|----|
| 15  | 40 | 106 | 2.9027200000000004  | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 18  | 40 | 106 | 2.90272000000000004 | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 22  | 40 | 115 | 3.1288              | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 28  | 40 | 115 | 3.1288              | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 35  | 40 | 122 | 3.3046400000000005  | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 42  | 40 | 133 | 3.58096             | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 48  | 40 | 133 | 3.58096             | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 54  | 40 | 146 | 3.90752             | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 60  | 40 | 146 | 3.90752             | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 64  | 40 | 146 | 3.90752             | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 70  | 40 | 160 | 4.259200000000001   | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 76  | 40 | 160 | 4.259200000000001   | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 89  | 40 | 173 | 4.58576000000000005 | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 102 | 40 | 199 | 5.23888             | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 114 | 40 | 199 | 5.23888             | 3.2  | 1.6  | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 127 | 40 | 213 | 5.59056             | 4.5  | 2.25 | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 140 | 40 | 225 | 5.892               | 4.5  | 2.25 | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 168 | 40 | 253 | 6.59536             | 6    | 3    | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 178 | 40 | 266 | 6.92192             | 6    | 3    | 3.449999999999999 | 3.75  | 3   | 1.2 | 7  |
| 219 | 40 | 304 | 7.876480000000001   | 8.5  | 4.25 | 5.175             | 5.625 | 4.5 | 2.5 | 9  |
| 230 | 40 | 318 | 8.228159999999999   | 8.5  | 4.25 | 5.175             | 5.625 | 4.5 | 2.5 | 9  |
| 273 | 40 | 358 | 9.23296             | 9    | 4.5  | 5.175             | 5.625 | 4.5 | 2.5 | 9  |
| 289 | 40 | 385 | 9.911200000000001   | 9.5  | 4.75 | 5.175             | 5.625 | 4.5 | 2.5 | 9  |
| 324 | 40 | 411 | 10.56432            | 12   | 6    | 7.475             | 8.125 | 6.5 | 4.5 | 12 |
| 356 | 40 | 446 | 11.443520000000001  | 13.5 | 6.75 | 7.475             | 8.125 | 6.5 | 4.5 | 12 |

| 12 | 40 | 106 | 2.9027200000000004 | 3.2 | 1.6 | 3.449999999999999 | 3.75 | 3 | 1.2 | 7 |
|----|----|-----|--------------------|-----|-----|-------------------|------|---|-----|---|
| 22 | 50 | 133 | 3.58096            | 3.2 | 1.6 | 3.449999999999999 | 3.75 | 3 | 1.2 | 7 |
| 28 | 50 | 133 | 3.58096            | 3.2 | 1.6 | 3.449999999999999 | 3.75 | 3 | 1.2 | 7 |

| 35  | 50 | 146 | 3.90752             | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
|-----|----|-----|---------------------|---------------|---------------|--------------------|--------------------|--------------------|------|------|
| 42  | 50 | 160 | 4.259200000000001   | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 48  | 50 | 160 | 4.259200000000001   | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 54  | 50 | 160 | 4.259200000000001   | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 60  | 50 | 173 | 4.58576000000000005 | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 64  | 50 | 173 | 4.58576000000000005 | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 70  | 50 | 173 | 4.58576000000000005 | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 76  | 50 | 185 | 4.8872              | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 89  | 50 | 199 | 5.23888             | 3.2           | 1.6           | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 102 | 50 | 213 | 5.59056             | 4.5           | 2.25          | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 114 | 50 | 225 | 5.892               | 4.5           | 2.25          | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 127 | 50 | 238 | 6.21856             | 4.5           | 2.25          | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 140 | 50 | 253 | 6.59536             | 6             | 3             | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 168 | 50 | 278 | 7.2233600000000004  | 6.5           | 3.25          | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 178 | 50 | 292 | 7.5750399999999996  | 6.5           | 3.25          | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 219 | 50 | 332 | 8.57984             | 9             | 4.5           | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 230 | 50 | 345 | 8.9064              | 9             | 4.5           | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 273 | 50 | 385 | 9.911200000000001   | 9.5           | 4.75          | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 289 | 50 | 396 | 10.187520000000001  | 9.5           | 4.75          | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 324 | 50 | 436 | 11.19232            | 13.5          | 6.75          | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 356 | 50 | 464 | 11.89568            | 14.9          | 7.45          | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 371 | 50 | 478 | 12.24736            | 14.9          | 7.45          | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 406 | 50 | 517 | 13.22704            | 16.5          | 8.25          | 12.124679999999998 | 13.17899999999998  | 10.543199999999999 | 6.5  | 14.5 |
| 426 | 50 | 542 | 15.586920000000001  | 18.5          | 9.25          | 13.102271999999997 | 14.241599999999998 | 11.393279999999999 | 6.5  | 14.5 |
| 508 | 50 | 622 | 17.8477200000000002 | 33.8799420444 | 16.9399710222 | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 533 | 50 | 647 | 18.554219999999997  | 38.44611      | 19.223055     | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 612 | 50 | 722 | 20.67372            | 56            | 28            | 17.825             | 19.375             | 15.5               | 10.5 | 22   |

| 35  | 50 | 146 | 3.90752  | 3.2       | 1.6        | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
|-----|----|-----|----------|-----------|------------|-------------------|--------|------|------|----|
| 630 | 50 | 742 | 21.23892 | 57.606651 | 28.8033255 | 17.825            | 19.375 | 15.5 | 10.5 | 22 |

| 714  | 50 | 831  | 23.754060000000003  | 67                | 33.5               | 20.7               | 22.5               | 18                 | 12.5 | 23   |
|------|----|------|---------------------|-------------------|--------------------|--------------------|--------------------|--------------------|------|------|
|      |    |      |                     |                   |                    |                    |                    |                    |      |      |
| 813  | 50 | 922  | 26.32572            | 80.37297211590001 | 40.186486057950006 | 25.29999999999997  | 27.5               | 22                 | 15   | 24   |
| 914  | 50 | 1026 | 29.264760000000006  | 105               | 52.5               | 28.74999999999996  | 31.25              | 25                 | 18   | 26   |
| 1016 | 50 | 1132 | 32.26032            | 127               | 63.5               | 32.775             | 35.625             | 28.5               | 20   | 28   |
| 35   | 60 | 160  | 4.259200000000001   | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 42   | 60 | 173  | 4.58576000000000005 | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 48   | 60 | 173  | 4.58576000000000005 | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 54   | 60 | 185  | 4.8872              | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 60   | 60 | 185  | 4.8872              | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 64   | 60 | 199  | 5.23888             | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 70   | 60 | 199  | 5.23888             | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 76   | 60 | 199  | 5.23888             | 3.2               | 1.6                | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 89   | 60 | 213  | 5.59056             | 4.5               | 2.25               | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 102  | 60 | 225  | 5.892               | 4.5               | 2.25               | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 114  | 60 | 238  | 6.21856             | 4.5               | 2.25               | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 127  | 60 | 253  | 6.59536             | 6                 | 3                  | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 140  | 60 | 266  | 6.92192             | 6                 | 3                  | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 168  | 60 | 304  | 7.876480000000001   | 8.5               | 4.25               | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 178  | 60 | 310  | 8.0272              | 8.5               | 4.25               | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 219  | 60 | 345  | 8.9064              | 9                 | 4.5                | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 230  | 60 | 358  | 9.23296             | 8.5               | 4.25               | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 273  | 60 | 411  | 10.56432            | 12                | 6                  | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 289  | 60 | 424  | 10.890880000000001  | 13.5              | 6.75               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 324  | 60 | 451  | 11.5691200000000002 | 14.9              | 7.45               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 356  | 60 | 491  | 12.57392            | 14.9              | 7.45               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 371  | 60 | 504  | 12.900480000000002  | 16.5              | 8.25               | 11.819975999999997 | 12.847799999999998 | 10.27823999999998  | 6.5  | 14.5 |
| 406  | 60 | 542  | 15.586920000000001  | 18.5              | 9.25               | 13.102271999999997 | 14.24159999999998  | 11.393279999999999 | 6.5  | 14.5 |
| 426  | 60 | 556  | 15.9825600000000001 | 22                | 11                 | 13.495847999999999 | 14.6694            | 11.73552           | 6.5  | 14.5 |

| 508  | 60 | 635  | 18.215100000000003  | 36.2       | 18.1       | 13.79999999999999 | 15     | 12   | 8.5  | 18 |
|------|----|------|---------------------|------------|------------|-------------------|--------|------|------|----|
| 533  | 60 | 661  | 18.94986            | 39.4900938 | 19.7450469 | 13.79999999999999 | 15     | 12   | 8.5  | 18 |
| 612  | 60 | 742  | 21.23892            | 57.606651  | 28.8033255 | 17.825            | 19.375 | 15.5 | 10.5 | 22 |
| 630  | 60 | 768  | 21.97368            | 59.4758196 | 29.7379098 | 17.825            | 19.375 | 15.5 | 10.5 | 22 |
| 714  | 60 | 842  | 24.06492            | 67         | 33.5       | 20.7              | 22.5   | 18   | 12.5 | 23 |
| 813  | 60 | 940  | 26.8344             | 98.2157454 | 49.1078727 | 25.29999999999997 | 27.5   | 22   | 15   | 24 |
| 914  | 60 | 1052 | 29.999520000000004  | 106        | 53         | 28.74999999999999 | 31.25  | 25   | 18   | 26 |
| 1016 | 60 | 1156 | 32.93856            | 130        | 65         | 32.775            | 35.625 | 28.5 | 20   | 28 |
| 35   | 80 | 199  | 5.23888             | 3.2        | 1.6        | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 42   | 80 | 213  | 5.59056             | 4.5        | 2.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 48   | 80 | 213  | 5.59056             | 4.5        | 2.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 54   | 80 | 225  | 5.892               | 4.5        | 2.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 60   | 80 | 225  | 5.892               | 4.5        | 2.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 64   | 80 | 238  | 6.21856             | 4.5        | 2.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 70   | 80 | 238  | 6.21856             | 4.5        | 2.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 76   | 80 | 253  | 6.59536             | 6          | 3          | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 89   | 80 | 253  | 6.59536             | 6          | 3          | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 102  | 80 | 266  | 6.92192             | 6          | 3          | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 114  | 80 | 292  | 7.5750399999999996  | 6.5        | 3.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 127  | 80 | 292  | 7.5750399999999996  | 6.5        | 3.25       | 3.449999999999999 | 3.75   | 3    | 1.2  | 7  |
| 140  | 80 | 318  | 8.228159999999999   | 8.5        | 4.25       | 5.175             | 5.625  | 4.5  | 2.5  | 9  |
| 168  | 80 | 345  | 8.9064              | 9          | 4.5        | 5.175             | 5.625  | 4.5  | 2.5  | 9  |
| 178  | 80 | 345  | 8.9064              | 9          | 4.5        | 5.175             | 5.625  | 4.5  | 2.5  | 9  |
| 219  | 80 | 385  | 9.911200000000001   | 9.5        | 4.75       | 5.175             | 5.625  | 4.5  | 2.5  | 9  |
| 230  | 80 | 396  | 10.187520000000001  | 9.5        | 4.75       | 5.175             | 5.625  | 4.5  | 2.5  | 9  |
| 273  | 80 | 451  | 11.5691200000000002 | 14.9       | 7.45       | 7.475             | 8.125  | 6.5  | 4.5  | 12 |
| 289  | 80 | 464  | 11.89568            | 14.9       | 7.45       | 7.475             | 8.125  | 6.5  | 4.5  | 12 |
| 324  | 80 | 491  | 12.57392            | 14.9       | 7.45       | 7.475             | 8.125  | 6.5  | 4.5  | 12 |

| 356  | 80  | 530  | 15.247800000000002  | 18.5              | 9.25               | 12.423036          | 13.5033            | 10.80264           | 6.5  | 14.5 |
|------|-----|------|---------------------|-------------------|--------------------|--------------------|--------------------|--------------------|------|------|
| 371  | 80  | 542  | 15.586920000000001  | 18.5              | 9.25               | 13.102271999999997 | 14.24159999999998  | 11.393279999999999 | 6.5  | 14.5 |
| 406  | 80  | 582  | 16.71732            | 22                | 11                 | 14.333783999999996 | 15.58019999999998  | 12.464159999999998 | 6.5  | 14.5 |
| 426  | 80  | 592  | 16.99992            | 22                | 11                 | 14.536919999999997 | 15.80099999999998  | 12.640799999999999 | 6.5  | 14.5 |
| 508  | 80  | 687  | 19.684620000000002  | 45.8632012884     | 22.9316006442      | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 533  | 80  | 702  | 20.10852            | 49.8347467644     | 24.9173733822      | 17.825             | 19.375             | 15.5               | 10.5 | 22   |
| 612  | 80  | 792  | 22.65192            | 59.4758196        | 29.7379098         | 17.825             | 19.375             | 15.5               | 10.5 | 22   |
| 630  | 80  | 802  | 22.93452            | 64.98366228900001 | 32.491831144500004 | 20.7               | 22.5               | 18                 | 12.5 | 23   |
| 714  | 80  | 882  | 25.19532            | 75.47315219999999 | 37.73657609999999  | 20.7               | 22.5               | 18                 | 12.5 | 23   |
| 813  | 80  | 986  | 28.13436            | 98.2157454        | 49.1078727         | 25.29999999999997  | 27.5               | 22                 | 15   | 24   |
| 914  | 80  | 1092 | 31.129920000000002  | 110               | 55                 | 28.74999999999999  | 31.25              | 25                 | 18   | 26   |
| 1016 | 80  | 1196 | 34.06896            | 134               | 67                 | 32.775             | 35.625             | 28.5               | 20   | 28   |
| 48   | 100 | 253  | 6.59536             | 6                 | 3                  | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 54   | 100 | 266  | 6.92192             | 6                 | 3                  | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 60   | 100 | 266  | 6.92192             | 6                 | 3                  | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 64   | 100 | 278  | 7.2233600000000004  | 6.5               | 3.25               | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 76   | 100 | 292  | 7.5750399999999996  | 6.5               | 3.25               | 3.449999999999999  | 3.75               | 3                  | 1.2  | 7    |
| 89   | 100 | 304  | 7.876480000000001   | 8.5               | 4.25               | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 114  | 100 | 332  | 8.57984             | 9                 | 4.5                | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 127  | 100 | 332  | 8.57984             | 9                 | 4.5                | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 140  | 100 | 345  | 8.9064              | 9                 | 4.5                | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 168  | 100 | 385  | 9.911200000000001   | 9.5               | 4.75               | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 178  | 100 | 385  | 9.911200000000001   | 9.5               | 4.75               | 5.175              | 5.625              | 4.5                | 2.5  | 9    |
| 219  | 100 | 424  | 10.890880000000001  | 13.5              | 6.75               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 230  | 100 | 436  | 11.19232            | 13.5              | 6.75               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 273  | 100 | 491  | 12.57392            | 14.9              | 7.45               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 289  | 100 | 504  | 12.900480000000002  | 16.5              | 8.25               | 11.819975999999997 | 12.847799999999998 | 10.278239999999998 | 6.5  | 14.5 |
| 324  | 100 | 530  | 15.2478000000000002 | 18.5              | 9.25               | 12.423036          | 13.5033            | 10.80264           | 6.5  | 14.5 |
| 356  | 100 | 572  | 16.434720000000002  | 22                | 11                 | 14.051298          | 15.27315           | 12.21852           | 6.5  | 14.5 |
| 330  | 100 | 312  | . 5.7577 2000000000 |                   |                    | 17.031200          | 10.27010           | 12.21002           | 0.5  | 17.5 |

| 356 | 100 | 572 | 16.434720000000002 | 22 | 11 | 14.051298          | 15.27315           | 12.21852           | 6.5 | 14.5 |
|-----|-----|-----|--------------------|----|----|--------------------|--------------------|--------------------|-----|------|
| 371 | 100 | 582 | 16.71732           | 22 | 11 | 14.333783999999996 | 15.580199999999998 | 12.464159999999998 | 6.5 | 14.5 |

| 040  |     |      | 04.04070            | 75 47245240000000 | 27 7265760000000   | 20.7               | 22.5               | 40                 | 40.5 | -   |
|------|-----|------|---------------------|-------------------|--------------------|--------------------|--------------------|--------------------|------|-----|
| 533  | 120 | 792  | 22.65192            | 59.4758196        | 29.7379098         | 17.825             | 19.375             | 15.5               | 10.5 | 22  |
| 508  | 120 | 768  | 21.97368            | 59.4758196        | 29.7379098         | 17.825             | 19.375             | 15.5               | 10.5 | 22  |
| 426  | 120 | 675  | 19.3455             | 42                | 21                 | 13.79999999999999  | 15                 | 12                 | 8.5  | 18  |
| 406  | 120 | 661  | 18.94986            | 39.4900938        | 19.7450469         | 13.79999999999999  | 15                 | 12                 | 8.5  | 18  |
| 371  | 120 | 622  | 17.8477200000000002 | 33.8799420444     | 16.9399710222      | 13.79999999999999  | 15                 | 12                 | 8.5  | 18  |
| 356  | 120 | 612  | 17.56512            | 27.3873834        | 13.6936917         | 13.79999999999999  | 15                 | 12                 | 8.5  | 18  |
| 324  | 120 | 582  | 16.71732            | 22                | 11                 | 14.333783999999996 | 15.58019999999998  | 12.464159999999998 | 6.5  | 14. |
| 289  | 120 | 542  | 15.586920000000001  | 18.5              | 9.25               | 13.102271999999997 | 14.241599999999998 | 11.393279999999999 | 6.5  | 14. |
| 273  | 120 | 530  | 15.2478000000000002 | 18.5              | 9.25               | 12.423036          | 13.5033            | 10.80264           | 6.5  | 14. |
| 230  | 120 | 478  | 12.24736            | 14.9              | 7.45               | 7.475              | 8.125              | 6.5                | 4.5  | 12  |
| 219  | 120 | 464  | 11.89568            | 14.9              | 7.45               | 7.475              | 8.125              | 6.5                | 4.5  | 12  |
| 178  | 120 | 424  | 10.890880000000001  | 13.5              | 6.75               | 7.475              | 8.125              | 6.5                | 4.5  | 12  |
| 168  | 120 | 424  | 10.890880000000001  | 13.5              | 6.75               | 7.475              | 8.125              | 6.5                | 4.5  | 12  |
| 140  | 120 | 385  | 9.911200000000001   | 9.5               | 4.75               | 5.175              | 5.625              | 4.5                | 2.5  | 9   |
| 114  | 120 | 371  | 9.559520000000001   | 9.5               | 4.75               | 5.175              | 5.625              | 4.5                | 2.5  | 9   |
| 89   | 120 | 345  | 8.9064              | 9                 | 4.5                | 5.175              | 5.625              | 4.5                | 2.5  | 9   |
| 1016 | 100 | 1237 | 35.22762            | 140               | 70                 | 36.8               | 40                 | 32                 | 24   | 32  |
| 914  | 100 | 1132 | 32.26032            | 114               | 57                 | 32.775             | 35.625             | 28.5               | 20   | 28  |
| 813  | 100 | 1026 | 29.264760000000006  | 93                | 46.5               | 28.74999999999996  | 31.25              | 25                 | 18   | 26  |
| 714  | 100 | 922  | 26.32572            | 80.37297211590001 | 40.186486057950006 | 25.29999999999997  | 27.5               | 22                 | 15   | 24  |
| 630  | 100 | 842  | 24.06492            | 67                | 33.5               | 20.7               | 22.5               | 18                 | 12.5 | 23  |
| 612  | 100 | 831  | 23.754060000000003  | 67                | 33.5               | 20.7               | 22.5               | 18                 | 12.5 | 23  |
| 533  | 100 | 752  | 21.5215200000000002 | 65.92101299999999 | 32.960506499999994 | 17.825             | 19.375             | 15.5               | 10.5 | 22  |
| 508  | 100 | 722  | 20.67372            | 56                | 28                 | 17.825             | 19.375             | 15.5               | 10.5 | 22  |
| 426  | 100 | 635  | 18.215100000000003  | 36.2              | 18.1               | 13.79999999999999  | 15                 | 12                 | 8.5  | 18  |
| 406  | 100 | 622  | 17.8477200000000002 | 33.8799420444     | 16.9399710222      | 13.79999999999999  | 15                 | 12                 | 8.5  | 18  |
| 356  | 100 | 572  | 16.434720000000002  | 22                | 11                 | 14.051298          | 15.27315           | 12.21852           | 6.5  | 14. |

| 612 | 120 | 872 | 24.91272 | 75.47315219999999 | 37.73657609999999 | 20.7             | 22.5 | 18 | 12.5 | 23 |
|-----|-----|-----|----------|-------------------|-------------------|------------------|------|----|------|----|
| 630 | 120 | 882 | 25.19532 | 75.47315219999999 | 37.73657609999999 | 20.7             | 22.5 | 18 | 12.5 | 23 |
| 714 | 120 | 975 | 27.8235  | 98.2157454        | 49.1078727        | 25.2999999999999 | 27.5 | 22 | 15   | 24 |

| 612  | 120 | 872  | 24.91272            | 75.47315219999999  | 37.73657609999999  | 20.7               | 22.5               | 18                 | 12.5 | 23   |
|------|-----|------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------|------|
| 813  | 120 | 1067 | 30.42342            | 96                 | 48                 | 28.749999999999996 | 31.25              | 25                 | 18   | 26   |
| 914  | 120 | 1172 | 33.39072            | 118                | 59                 | 32.775             | 35.625             | 28.5               | 20   | 28   |
| 1016 | 120 | 1277 | 36.35802            | 143                | 71.5               | 36.8               | 40                 | 32                 | 24   | 32   |
| 140  | 140 | 436  | 11.19232            | 13.5               | 6.75               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 168  | 140 | 464  | 11.89568            | 14.9               | 7.45               | 7.475              | 8.125              | 6.5                | 4.5  | 12   |
| 219  | 140 | 517  | 14.88042            | 16.5               | 8.25               | 12.124679999999998 | 13.178999999999998 | 10.543199999999999 | 6.5  | 14.5 |
| 273  | 140 | 568  | 16.32168            | 22                 | 11                 | 13.794203999999997 | 14.993699999999999 | 11.994959999999999 | 6.5  | 14.5 |
| 324  | 140 | 622  | 17.8477200000000002 | 33.8799420444      | 16.9399710222      | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 356  | 140 | 647  | 18.554219999999997  | 38.44611           | 19.223055          | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 371  | 140 | 661  | 18.94986            | 39.4900938         | 19.7450469         | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 406  | 140 | 702  | 20.10852            | 49.8347467644      | 24.9173733822      | 17.825             | 19.375             | 15.5               | 10.5 | 22   |
| 426  | 140 | 712  | 20.39112            | 55.96253279999999  | 27.981266399999996 | 17.825             | 19.375             | 15.5               | 10.5 | 22   |
| 508  | 140 | 802  | 22.93452            | 64.98366228900001  | 32.491831144500004 | 20.7               | 22.5               | 18                 | 12.5 | 23   |
| 533  | 140 | 831  | 23.754060000000003  | 67                 | 33.5               | 20.7               | 22.5               | 18                 | 12.5 | 23   |
| 612  | 140 | 912  | 26.0431200000000002 | 80.37297211590001  | 40.186486057950006 | 25.2999999999999   | 27.5               | 22                 | 15   | 24   |
| 630  | 140 | 922  | 26.32572            | 80.37297211590001  | 40.186486057950006 | 25.2999999999999   | 27.5               | 22                 | 15   | 24   |
| 714  | 140 | 1012 | 28.8691200000000002 | 80.14760384400002  | 40.07380192200001  | 28.749999999999996 | 31.25              | 25                 | 18   | 26   |
| 813  | 140 | 1107 | 31.55382            | 99.82745171549999  | 49.913725857749995 | 32.775             | 35.625             | 28.5               | 20   | 26   |
| 914  | 140 | 1212 | 34.52112            | 122.874180444      | 61.437090222       | 36.8               | 40                 | 32                 | 24   | 32   |
| 1016 | 140 | 1317 | 37.48842            | 148.41961527600006 | 74.20980763800003  | 36.8               | 40                 | 32                 | 24   | 32   |
| 168  | 160 | 504  | 12.900480000000002  | 16.5               | 8.25               | 11.819975999999997 | 12.847799999999998 | 10.27823999999998  | 6.5  | 14.5 |
| 219  | 160 | 556  | 15.982560000000001  | 22                 | 11                 | 13.495847999999999 | 14.6694            | 11.73552           | 6.5  | 14.5 |
| 273  | 160 | 612  | 17.56512            | 27.3873834         | 13.6936917         | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 324  | 160 | 661  | 18.94986            | 39.4900938         | 19.7450469         | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |
| 356  | 160 | 687  | 19.684620000000002  | 45.8102592         | 22.9051296         | 13.79999999999999  | 15                 | 12                 | 8.5  | 18   |

| 406 | 160 | 742 | 21.23892 | 57.606651         | 28.8033255        | 17.825 | 19.375 | 15.5 | 10.5 | 22 |
|-----|-----|-----|----------|-------------------|-------------------|--------|--------|------|------|----|
| 426 | 160 | 768 | 21.97368 | 59.4758196        | 29.7379098        | 17.825 | 19.375 | 15.5 | 10.5 | 22 |
| 508 | 160 | 842 | 24.06492 | 67                | 33.5              | 20.7   | 22.5   | 18   | 12.5 | 23 |
| 533 | 160 | 872 | 24.91272 | 75.47315219999999 | 37.73657609999999 | 20.7   | 22.5   | 18   | 12.5 | 23 |

| 406  | 160 | 742  | 21.23892            | 57.606651          | 28.8033255         | 17.825             | 19.375 | 15.5 | 10.5 | 22 |
|------|-----|------|---------------------|--------------------|--------------------|--------------------|--------|------|------|----|
| 612  | 160 | 940  | 26.8344             | 98.2157454         | 49.1078727         | 25.2999999999999   | 27.5   | 22   | 15   | 24 |
| 630  | 160 | 962  | 27.4561200000000002 | 98.2157454         | 49.1078727         | 25.2999999999999   | 27.5   | 22   | 15   | 24 |
| 714  | 160 | 1052 | 29.999520000000004  | 83.315493324       | 41.657746662       | 28.749999999999996 | 31.25  | 25   | 18   | 26 |
| 813  | 160 | 1147 | 32.68422            | 103.43458637549999 | 51.717293187749995 | 32.775             | 35.625 | 28.5 | 20   | 28 |
| 914  | 160 | 1252 | 35.651520000000005  | 126.929433924      | 63.464716962       | 36.8               | 40     | 32   | 24   | 32 |
| 1016 | 160 | 1360 | 38.70360000000001   | 153.26551008000004 | 76.63275504000002  | 36.8               | 40     | 32   | 24   | 32 |
| 42   | 100 | 253  | 6.59536             | 6                  | 3                  | 3.449999999999999  | 3.75   | 3    | 1.2  | 7  |
| 54   | 20  | 106  | 2.90272000000000004 | 3.2                | 1.6                | 3.449999999999999  | 3.75   | 3    | 1.2  | 7  |

## IV-Niemi Isolering Oü 01.10.2025-01.05.2026 Pladeprodukter Zn..xlsx − Ark: ■■■■1

| lysteet | Unnamed: 1      | Unnamed: 2       | Unnamed: 3          | Unnamed: 4           | Unnamed: 5           | Unnamed: 6            | Unnamed: 7        | Unnamed: 8         | Unnamed: 9         | Unnamed  |
|---------|-----------------|------------------|---------------------|----------------------|----------------------|-----------------------|-------------------|--------------------|--------------------|----------|
| ı       |                 | Aluminium +38%   |                     |                      |                      | 01.10.2025-01.05.2026 |                   |                    |                    | Rev.1    |
|         | Eristys-vahvuus | Päällysteen ulko | Vaippa-pelti        | iv-kulma 90 <b>■</b> | iv-kulma 45 <b>■</b> | iv-kulma 30■          | K-Kartio          | T-Kappale          | T-Liitos           | Pääte    |
|         | mm              | ø = mm           | m                   | kpl                  | kpl                  | kpl                   | kpl               | kpl                | kpl                | kpl      |
|         | 30              | 133              | 3.58096             | 3.5                  | 2.1875               | 1.458333333333333     | 4.8804            | 14.6076            | 5.22899999999999   | 0.7308   |
|         | 40              | 160              | 4.259200000000001   | 3.5                  | 2.1875               | 1.458333333333333     | 5.2962            | 15.8802            | 5.586              | 0.9702   |
|         | 50              | 173              | 4.58576000000000005 | 3.5                  | 2.1875               | 1.458333333333333     | 5.4978            | 16.2792            | 5.6952             | 1.0626   |
|         | 60              | 199              | 5.23888             | 3.7                  | 2.3125               | 1.5416666666666667    | 5.7414            | 16.9008            | 6.1026             | 1.344    |
|         | 80              | 238              | 6.21856             | 4.5                  | 2.8125               | 1.875                 | 6.3588            | 20.0214            | 6.51               | 1.549799 |
|         | 100             | 278              | 7.2233600000000004  | 5.1491999999999996   | 3.21825              | 2.1454999999999997    | 6.934200000000001 | 21.5628            | 7.005599999999999  | 1.881600 |
|         | 30              | 160              | 4.259200000000001   | 3.5                  | 2.1875               | 1.458333333333333     | 5.2962            | 15.8802            | 5.586              | 0.9702   |
|         | 40              | 173              | 4.58576000000000005 | 3.5                  | 2.1875               | 1.458333333333333     | 5.4978            | 16.2792            | 5.6952             | 1.0626   |
|         | 50              | 199              | 5.23888             | 3.7                  | 2.3125               | 1.5416666666666667    | 5.7414            | 16.9008            | 6.1026             | 1.344    |
|         | 60              | 213              | 5.59056             | 4.5                  | 2.8125               | 1.875                 | 6.0228            | 17.371199999999998 | 6.245399999999999  | 1.411199 |
|         | 80              | 253              | 6.59536             | 4.85                 | 3.03125              | 2.020833333333333     | 6.5478            | 20.5758            | 6.6528             | 1.696799 |
|         | 100             | 292              | 7.5750399999999996  | 5.5986               | 3.4991250000000003   | 2.33275               | 7.2576            | 22.1256            | 7.6104             | 2.0454   |
|         | 20              | 160              | 4.259200000000001   | 3.5                  | 2.1875               | 1.458333333333333     | 5.2962            | 15.8802            | 5.586              | 0.9702   |
|         | 30              | 173              | 4.58576000000000005 | 3.5                  | 2.1875               | 1.458333333333333     | 5.4978            | 16.2792            | 5.6952             | 1.0626   |
|         | 40              | 199              | 5.23888             | 3.7                  | 2.3125               | 1.5416666666666667    | 5.7414            | 16.9008            | 6.1026             | 1.344    |
|         | 50              | 213              | 5.59056             | 4.5                  | 2.8125               | 1.875                 | 6.0228            | 17.371199999999998 | 6.245399999999999  | 1.411199 |
|         | 60              | 238              | 6.21856             | 4.5                  | 2.8125               | 1.875                 | 6.3588            | 20.0214            | 6.51               | 1.549799 |
|         | 80              | 278              | 7.2233600000000004  | 5.1491999999999996   | 3.21825              | 2.1454999999999997    | 6.934200000000001 | 21.5628            | 7.005599999999999  | 1.881600 |
|         | 100             | 318              | 8.228159999999999   | 6.7788               | 4.236750000000001    | 2.8245000000000005    | 8.8956            | 25.29659999999998  | 9.2232             | 2.583    |
|         | 20              | 173              | 4.58576000000000005 | 3.5                  | 2.1875               | 1.458333333333333     | 5.4978            | 16.2792            | 5.6952             | 1.0626   |
|         | 30              | 199              | 5.23888             | 3.7                  | 2.3125               | 1.5416666666666667    | 5.7414            | 16.9008            | 6.1026             | 1.344    |
|         | 40              | 225              | 5.892               | 4.5                  | 2.8125               | 1.875                 | 6.2748            | 17.703             | 6.3713999999999995 | 1.4784   |
|         | 50              | 238              | 6.21856             | 4.5                  | 2.8125               | 1.875                 | 6.3588            | 20.0214            | 6.51               | 1.549799 |
|         | 60              | 266              | 6.92192             | 4.97699999999999     | 3.1106249999999998   | 2.0737499999999995    | 6.7452            | 20.9622            | 6.7914             | 1.772399 |
|         | I.              | ı                |                     | 1                    | I                    | I                     | 1                 | I                  | 1                  |          |

| 125 | 80  | 304 | 7.876480000000001  | 5.9346000000000005 | 3.7091250000000002  | 2.4727500000000004 | 7.392              | 24.679199999999998  | 9.051              | 2.2848              |
|-----|-----|-----|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|--------------------|---------------------|
| 125 | 100 | 345 | 8.9064             | 7.324800000000001  | 4.578               | 3.0520000000000005 | 9.42899999999998   | 26.5944             | 9.576              | 2.7132              |
| 160 | 20  | 213 | 5.59056            | 4.5                | 2.8125              | 1.875              | 6.0228             | 17.371199999999998  | 6.245399999999999  | 1.4111999999999998  |
| 160 | 30  | 238 | 6.21856            | 4.5                | 2.8125              | 1.875              | 6.3588             | 20.0214             | 6.51               | 1.549799999999998   |
| 160 | 40  | 253 | 6.59536            | 4.85               | 3.03125             | 2.020833333333333  | 6.5478             | 20.5758             | 6.6528             | 1.6967999999999999  |
| 160 | 50  | 278 | 7.2233600000000004 | 5.1491999999999996 | 3.21825             | 2.1454999999999997 | 6.934200000000001  | 21.5628             | 7.005599999999999  | 1.88160000000000002 |
| 160 | 60  | 292 | 7.5750399999999996 | 5.5986             | 3.4991250000000003  | 2.33275            | 7.2576             | 22.1256             | 7.6104             | 2.0454              |
| 160 | 80  | 332 | 8.57984            | 7.043399999999999  | 4.402125            | 2.9347499999999999 | 9.0426             | 25.9182             | 9.4038             | 2.6502              |
| 160 | 100 | 371 | 9.559520000000001  | 8.2488             | 5.1555              | 3.4369999999999994 | 10.0968            | 27.774599999999996  | 10.021199999999999 | 2.877               |
| 200 | 20  | 253 | 6.59536            | 4.85               | 3.03125             | 2.020833333333333  | 6.5478             | 20.5758             | 6.6528             | 1.6967999999999999  |
| 200 | 30  | 270 | 7.0224             | 5.2626             | 3.289125            | 2.19275            | 6.841799999999999  | 21.2898             | 6.867              | 1.8144              |
| 200 | 40  | 292 | 7.5750399999999996 | 5.5986             | 3.4991250000000003  | 2.33275            | 7.2576             | 22.1256             | 7.6104             | 2.0454              |
| 200 | 50  | 318 | 8.228159999999999  | 6.7788             | 4.236750000000001   | 2.8245000000000005 | 8.8956             | 25.29659999999998   | 9.2232             | 2.583               |
| 200 | 60  | 332 | 8.57984            | 7.04339999999999   | 4.402125            | 2.9347499999999999 | 9.0426             | 25.9182             | 9.4038             | 2.6502              |
| 200 | 80  | 371 | 9.559520000000001  | 8.2488             | 5.1555              | 3.436999999999999  | 10.0968            | 27.774599999999996  | 10.021199999999999 | 2.877               |
| 200 | 100 | 411 | 10.56432           | 10.264800000000001 | 6.415500000000001   | 4.277              | 11.05019999999998  | 29.1942000000000002 | 10.6176            | 3.108               |
| 200 | 120 | 451 | 11.569120000000002 | 11.2266            | 7.0166249999999994  | 4.67775            | 12.0456            | 31.4412             | 12.562199999999999 | 3.8136              |
| 250 | 20  | 304 | 7.876480000000001  | 6.732600000000001  | 4.20787500000000005 | 2.80525            | 7.392              | 24.679199999999998  | 9.051              | 2.2848              |
| 250 | 30  | 318 | 8.228159999999999  | 6.7788             | 4.236750000000001   | 2.8245000000000005 | 8.8956             | 25.29659999999998   | 9.2232             | 2.583               |
| 250 | 40  | 345 | 8.9064             | 7.324800000000001  | 4.578               | 3.0520000000000005 | 9.42899999999998   | 26.5944             | 9.576              | 2.7132              |
| 250 | 50  | 364 | 9.38368            | 8.148              | 5.092499999999999   | 3.394999999999999  | 9.912              | 27.3252             | 9.9246             | 2.856               |
| 250 | 60  | 385 | 9.911200000000001  | 9.6894             | 6.0558749999999995  | 4.037249999999999  | 10.3782            | 28.3962             | 10.218599999999999 | 2.9484              |
| 250 | 80  | 424 | 10.890880000000001 | 10.689             | 6.680625            | 4.45375            | 11.2644            | 29.75699999999998   | 10.810799999999999 | 3.6203999999999996  |
| 250 | 100 | 464 | 11.89568           | 11.529             | 7.2056249999999995  | 4.80375            | 12.322799999999999 | 32.3442             | 12.8604            | 3.9102              |
| 250 | 120 | 504 | 12.900480000000002 | 14.7462            | 9.216375            | 6.1442499999999995 | 15.057             | 42.4116             | 15.9138            | 4.998               |
| 250 | 140 | 542 | 15.586920000000001 | 21.0546            | 13.159125           | 8.77275            | 16.6572            | 46.5066             | 17.6232            | 5.3046              |
| 315 | 20  | 364 | 9.38368            | 9.6264             | 6.0165000000000001  | 4.011              | 9.912              | 27.3252             | 9.9246             | 2.856               |
| 315 | 30  | 385 | 9.911200000000001  | 9.6894             | 6.0558749999999995  | 4.037249999999999  | 10.3782            | 28.3962             | 10.218599999999999 | 2.9484              |
| 245 | 40  | 444 | 10 56422           | 10.2649000000000   | 6.445500000000004   | 4 277              | 14 05040000000000  | 20.40420000000000   | 10.6176            | 2 100               |
| 315 | 40  | 411 | 10.56432           | 10.264800000000001 | 6.415500000000001   | 4.277              | 11.05019999999998  | 29.194200000000002  | 10.6176            | 3.108               |

4.45375

11.2644

29.75699999999998

10.810799999999999

3.6203999999999996

6.680625

315 50

424

10.890880000000001

10.689

| 315 | 40  | 411 | 10.56432           | 10.264800000000001 | 6.415500000000001  | 4.277               | 11.05019999999998  | 29.194200000000002 | 10.6176            | 3.108              |
|-----|-----|-----|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| 315 | 60  | 464 | 11.89568           | 11.529             | 7.2056249999999995 | 4.80375             | 12.322799999999999 | 32.3442            | 12.8604            | 3.9102             |
| 315 | 80  | 491 | 12.57392           | 11.8524            | 7.40775            | 4.9384999999999994  | 12.8688            | 34.7718            | 13.3392            | 4.0488             |
| 315 | 100 | 527 | 15.16302           | 18.0264            | 11.266499999999999 | 7.511               | 16.002             | 44.835             | 16.505999999999997 | 5.182799999999999  |
| 315 | 120 | 567 | 16.29342           | 22.411199999999997 | 14.00699999999998  | 9.338               | 17.417399999999997 | 59.6987999999999   | 18.5556            | 5.4978             |
| 315 | 140 | 607 | 17.42382           | 23.9694            | 14.980875000000001 | 9.98725             | 18.6438            | 63.588             | 19.8492            | 7.5642000000000005 |
| 400 | 20  | 451 | 11.569120000000002 | 12.99059999999999  | 8.119124999999999  | 5.412749999999999   | 12.0456            | 31.4412            | 12.562199999999999 | 3.8136             |
| 400 | 30  | 470 | 12.0464            | 14.5446            | 9.090375           | 6.06025             | 12.5412            | 33.1044            | 13.015799999999999 | 3.9311999999999996 |
| 400 | 40  | 491 | 12.57392           | 15.2082            | 9.505125           | 6.33675             | 12.8688            | 34.7718            | 13.3392            | 4.0488             |
| 400 | 50  | 512 | 13.10144           | 20.2944            | 12.684             | 8.456               | 15.4602            | 43.1172            | 16.107             | 5.0484             |
| 400 | 60  | 542 | 15.586920000000001 | 21.0546            | 13.159125          | 8.77275             | 16.6572            | 46.5066            | 17.6232            | 5.3046             |
| 400 | 80  | 572 | 16.434720000000002 | 22.659             | 14.161874999999998 | 9.44125             | 17.6316            | 60.2993999999999   | 18.9               | 5.5482000000000005 |
| 400 | 100 | 612 | 17.56512           | 24.0828            | 15.051749999999998 | 10.0345             | 19.026             | 65.1               | 20.8614            | 7.6314             |
| 400 | 120 | 652 | 18.695519999999995 | 25.775399999999998 | 16.109624999999998 | 10.739749999999999  | 20.7102            | 68.061             | 22.49939999999998  | 8.0724             |
| 400 | 140 | 692 | 19.82592           | 27.09839999999998  | 16.9365            | 11.291              | 22.2852            | 71.05139999999999  | 24.036599999999996 | 8.4924             |
| 500 | 20  | 567 | 16.29342           | 21.924             | 13.7025            | 9.135               | 17.417399999999997 | 59.6987999999999   | 18.5556            | 5.4978             |
| 500 | 30  | 572 | 16.434720000000002 | 22.659             | 14.161874999999998 | 9.44125             | 17.6316            | 60.2993999999999   | 18.9               | 5.5482000000000005 |
| 500 | 40  | 592 | 16.99992           | 23.389799999999997 | 14.618624999999998 | 9.74575             | 18.3708            | 61.7526            | 19.546799999999998 | 7.4214             |
| 500 | 50  | 612 | 17.56512           | 24.0828            | 15.051749999999998 | 10.0345             | 19.026             | 65.1               | 20.8614            | 7.6314             |
| 500 | 60  | 642 | 18.41292           | 25.069799999999997 | 15.668624999999999 | 10.445749999999999  | 20.2482            | 66.57419999999999  | 21.8904            | 7.9044             |
| 500 | 80  | 672 | 19.26072           | 26.4138            | 16.508625          | 11.005749999999999  | 21.4956            | 69.5184            | 23.267999999999997 | 8.282399999999999  |
| 500 | 100 | 712 | 20.39112           | 27.74099999999996  | 17.338124999999998 | 11.558749999999998  | 23.09999999999998  | 73.2312            | 25.1496            | 8.70239999999999   |
| 500 | 120 | 752 | 21.521520000000002 | 29.3076            | 18.31725           | 12.2115             | 24.6246            | 75.5496            | 26.749799999999997 | 9.1182             |
| 500 | 140 | 792 | 22.65192           | 30.6264            | 19.1415            | 12.761              | 25.775399999999998 | 84.5166            | 38.8122            | 9.5382             |
| 630 | 20  | 692 | 19.82592           | 33.159             | 20.724375          | 13.816249999999998  | 22.2852            | 71.0513999999999   | 24.036599999999996 | 8.4924             |
| 630 | 30  | 702 | 20.10852           | 36.6366            | 22.897875          | 15.2652500000000002 | 22.667399999999997 | 72.1602            | 24.725399999999997 | 8.59739999999999   |
| 630 | 40  | 722 | 20.67372           | 37.9512            | 23.7195            | 15.812999999999999  | 23.389799999999997 | 74.235             | 25.5738            | 8.8074             |
|     |     |     |                    |                    |                    |                     |                    |                    |                    |                    |

| 63 | 0 | 50 | 742 | 21.23892 | 38.745             | 24.215625          | 16.143749999999997 | 24.0282            | 74.4786 | 26.4516            | 9.0132 |
|----|---|----|-----|----------|--------------------|--------------------|--------------------|--------------------|---------|--------------------|--------|
| 63 | 0 | 60 | 768 | 21.97368 | 40.261199999999995 | 25.163249999999998 | 16.775499999999997 | 25.036199999999997 | 78.2418 | 27.472199999999997 | 9.2484 |
| 63 | 0 | 80 | 802 | 22.93452 | 42.063             | 26.289375          | 17.52625           | 26.4978            | 87.192  | 39.4884            | 9.6684 |

| 630  | 50  | 742  | 21.23892   | 38.745             | 24.215625          | 16.143749999999997  | 24.0282            | 74.4786            | 26.4516            | 9.0132             |
|------|-----|------|--|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| 630  | 100 | 842  | 24.06492   | 43.7808            | 27.363             | 18.242              | 28.09379999999998  | 89.0189999999999   | 40.6854            | 10.03799999999998  |
| 630  | 120 | 882  | 25.19532   | 45.6834            | 28.552125          | 19.03475            | 30.1518            | 92.0388            | 41.853             | 10.44959999999998  |
| 630  | 140 | 922  | 26.32572   | 48.8502            | 30.531375          | 20.35425            | 31.915799999999997 | 95.8356            | 43.73459999999999  | 11.797799999999999 |
| 630  | 160 | 962  | 27.4561200000000002  | 50.874599999999994 | 31.796624999999995 | 21.19775            | 34.087199999999996 | 99.6323999999999   | 45.6162            | 12.595799999999999 |
| 800  | 20  | 852  | 24.347520000000003   | 52.8612            | 33.03825           | 22.0255             | 28.7616            | 89.8002            | 41.2104            | 10.142999999999999 |
| 800  | 30  | 872  | 24.91272   | 56.5278            | 35.329875          | 23.5532500000000002 | 29.597399999999997 | 90.9888            | 41.7102            | 10.3278            |
| 800  | 40  | 892  | 25.47792   | 57.6408            | 36.0255            | 24.017              | 30.937199999999997 | 93.1728            | 42.588             | 10.554599999999999 |
| 800  | 50  | 912  | 26.0431200000000002  | 59.5686            | 37.230375          | 24.82025            | 31.7268            | 94.6596            | 43.2054            | 11.613             |
| 800  | 60  | 940  | 26.8344  | 61.488             | 38.43              | 25.61999999999997   | 32.5416            | 96.9654            | 43.9824            | 11.9826            |
| 800  | 80  | 975  | 27.8235  | 64.1424            | 40.089             | 26.725999999999996  | 35.1456            | 100.65719999999999 | 46.1369999999999   | 12.8478            |
| 800  | 100 | 1012 | 28.869120000000002   | 67.95179999999999  | 42.469874999999995 | 28.313249999999996  | 36.065400000000004 | 102.921            | 47.0946            | 13.9062            |
| 800  | 120 | 1052 | 29.999520000000004   | 70.24919999999999  | 43.90574999999999  | 29.27049999999995   | 38.2536            | 113.11019999999999 | 48.405             | 14.70419999999998  |
| 800  | 140 | 1092 | 31.129920000000002   | 72.4919999999999   | 45.30749999999999  | 30.205              | 41.029799999999994 | 116.63399999999999 | 50.778             | 15.770999999999999 |
| 800  | 160 | 1132 | 32.26032   | 74.823             | 46.764374999999994 | 31.17625            | 43.209599999999995 | 120.0822           | 52.5               | 16.8126            |
| 1000 | 20  | 1052 | 29.999520000000004   | 96.6756            | 60.422250000000005 | 40.2815             | 38.2536            | 113.11019999999999 | 48.405             | 14.70419999999998  |
| 1000 | 30  | 1072 | 30.56472   | 99.8256            | 62.391             | 41.59399999999994   | 40.1226            | 115.03379999999999 | 50.1186            | 15.309000000000001 |
| 1000 | 40  | 1092 | 31.129920000000002   | 101.50139999999999 | 63.43837499999999  | 42.292249999999996  | 41.029799999999994 | 116.63399999999999 | 50.778             | 15.770999999999999 |
| 1000 | 50  | 1112 | 31.695120000000003   | 103.2696           | 64.5435            | 43.029              | 42.1806            | 118.3854           | 51.59699999999994  | 16.2624            |
| 1000 | 60  | 1132 | 32.26032   | 104.88239999999999 | 65.55149999999999  | 43.701              | 43.209599999999995 | 120.0822           | 52.5               | 16.8126            |
| 1000 | 80  | 1172 | 33.39072   | 108.3306           | 67.706625          | 45.13775            | 45.2676            | 123.5094           | 54.0582            | 18.039             |
| 1000 | 100 | 1212 | 34.52112   | 112.83720000000001 | 70.52325           | 47.0155             | 47.376             | 126.39059999999999 | 55.6919999999999   | 19.475399999999997 |
| 1000 | 120 | 1252 | 35.651520000000005   | 117.201            | 73.250625          | 48.83375            | 48.8754            | 129.05759999999998 | 56.9939999999999   | 20.664             |
| 1000 | 140 | 1292 | 36.78192   | 120.5946           | 75.371625          | 50.247749999999996  | 50.2446            | 159.999            | 58.3002            | 22.1634            |
| 1000 | 160 | 1332 | 37.91232   | 121.17             | 75.73125           | 50.4875             | 51.785999999999994 | 163.9427999999998  | 59.770199999999996 | 23.851799999999997 |
| 1250 | 20  | 1302 | 37.06452   | 121.7454           | 76.090875          | 50.72725            | 51.0426            | 160.5786           | 58.66979999999995  | 22.3524            |
|      |     |      |  |                    |                    |                     |                    |                    |                    |                    |
| 1250 | 30  | 1322 | 37.62972   | 124.2402           | 77.650125          | 51.76675            | 51.35339999999999  | 162.456            | 59.4426            | 23.2638            |
| 1    |     |      | The second secon |                    |                    |                     |                    |                    |                    |                    |

| 1250 | 30 | 1322 | 37.62972           | 124.2402           | 77.650125 | 51.76675           | 51.35339999999999 | 162.456            | 59.4426            | 23.2638            |
|------|----|------|--------------------|--------------------|-----------|--------------------|-------------------|--------------------|--------------------|--------------------|
| 1250 | 40 | 1342 | 38.194919999999996 | 125.3406           | 78.337875 | 52.22525           | 52.21859999999999 | 165.14399999999998 | 60.261599999999994 | 24.6036            |
| 1250 | 50 | 1362 | 38.76012           | 127.08779999999999 | 79.429875 | 52.95324999999999  | 53.0712           | 167.3028           | 61.16459999999999  | 25.599             |
| 1250 | 60 | 1382 | 39.325320000000005 | 128.8518           | 80.532375 | 53.688250000000004 | 53.7474           | 169.32299999999998 | 61.735800000000005 | 26.510399999999997 |

| 1250 | 30  | 1322 | 37.62972           | 124.2402           | 77.650125         | 51.76675           | 51.35339999999999  | 162.456            | 59.4426           | 23.2638             |
|------|-----|------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|---------------------|
| 1250 | 80  | 1422 | 40.45572           | 132.51839999999999 | 82.8239999999998  | 55.215999999999994 | 55.18379999999999  | 173.33819999999997 | 63.12179999999999 | 27.6402             |
| 1250 | 100 | 1462 | 41.58612           | 136.14299999999997 | 85.08937499999999 | 56.72624999999999  | 56.343             | 175.90019999999998 | 64.25580000000001 | 28.3206000000000002 |
| 1250 | 120 | 1502 | 42.716519999999996 | 139.78859999999997 | 87.36787499999998 | 58.24524999999984  | 57.6324            | 177.492            | 65.3939999999999  | 28.9842             |
| 1250 | 140 | 1542 | 43.84692           | 143.25359999999998 | 89.53349999999999 | 59.68899999999986  | 58.7706            | 178.8654           | 66.4524           | 29.651999999999997  |
| 1250 | 160 | 1582 | 44.977320000000006 | 147.0126           | 91.882875         | 61.25525           | 59.988600000000005 | 183.7122           | 67.725            | 30.324              |