

| WYMIARY SZCZEGÓŁNE WZGLĘDNYM WYMIAROWANIAM |     |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
|--------------------------------------------|-----|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Nr                                         | d   | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> | Średnica<br>przekr. kołowego<br>d <sub>koł.</sub> |
|                                            |     |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |
| 1                                          | 10  | 10                                                | 10                                                | 10                                                | 10                                                | 10                                                | 10                                                | 10                                                | 10                                                |
| 2                                          | 12  | 12                                                | 12                                                | 12                                                | 12                                                | 12                                                | 12                                                | 12                                                | 12                                                |
| 3                                          | 14  | 14                                                | 14                                                | 14                                                | 14                                                | 14                                                | 14                                                | 14                                                | 14                                                |
| 4                                          | 16  | 16                                                | 16                                                | 16                                                | 16                                                | 16                                                | 16                                                | 16                                                | 16                                                |
| 5                                          | 18  | 18                                                | 18                                                | 18                                                | 18                                                | 18                                                | 18                                                | 18                                                | 18                                                |
| 6                                          | 20  | 20                                                | 20                                                | 20                                                | 20                                                | 20                                                | 20                                                | 20                                                | 20                                                |
| 7                                          | 22  | 22                                                | 22                                                | 22                                                | 22                                                | 22                                                | 22                                                | 22                                                | 22                                                |
| 8                                          | 24  | 24                                                | 24                                                | 24                                                | 24                                                | 24                                                | 24                                                | 24                                                | 24                                                |
| 9                                          | 26  | 26                                                | 26                                                | 26                                                | 26                                                | 26                                                | 26                                                | 26                                                | 26                                                |
| 10                                         | 28  | 28                                                | 28                                                | 28                                                | 28                                                | 28                                                | 28                                                | 28                                                | 28                                                |
| 11                                         | 30  | 30                                                | 30                                                | 30                                                | 30                                                | 30                                                | 30                                                | 30                                                | 30                                                |
| 12                                         | 32  | 32                                                | 32                                                | 32                                                | 32                                                | 32                                                | 32                                                | 32                                                | 32                                                |
| 13                                         | 34  | 34                                                | 34                                                | 34                                                | 34                                                | 34                                                | 34                                                | 34                                                | 34                                                |
| 14                                         | 36  | 36                                                | 36                                                | 36                                                | 36                                                | 36                                                | 36                                                | 36                                                | 36                                                |
| 15                                         | 38  | 38                                                | 38                                                | 38                                                | 38                                                | 38                                                | 38                                                | 38                                                | 38                                                |
| 16                                         | 40  | 40                                                | 40                                                | 40                                                | 40                                                | 40                                                | 40                                                | 40                                                | 40                                                |
| 17                                         | 42  | 42                                                | 42                                                | 42                                                | 42                                                | 42                                                | 42                                                | 42                                                | 42                                                |
| 18                                         | 44  | 44                                                | 44                                                | 44                                                | 44                                                | 44                                                | 44                                                | 44                                                | 44                                                |
| 19                                         | 46  | 46                                                | 46                                                | 46                                                | 46                                                | 46                                                | 46                                                | 46                                                | 46                                                |
| 20                                         | 48  | 48                                                | 48                                                | 48                                                | 48                                                | 48                                                | 48                                                | 48                                                | 48                                                |
| 21                                         | 50  | 50                                                | 50                                                | 50                                                | 50                                                | 50                                                | 50                                                | 50                                                | 50                                                |
| 22                                         | 52  | 52                                                | 52                                                | 52                                                | 52                                                | 52                                                | 52                                                | 52                                                | 52                                                |
| 23                                         | 54  | 54                                                | 54                                                | 54                                                | 54                                                | 54                                                | 54                                                | 54                                                | 54                                                |
| 24                                         | 56  | 56                                                | 56                                                | 56                                                | 56                                                | 56                                                | 56                                                | 56                                                | 56                                                |
| 25                                         | 58  | 58                                                | 58                                                | 58                                                | 58                                                | 58                                                | 58                                                | 58                                                | 58                                                |
| 26                                         | 60  | 60                                                | 60                                                | 60                                                | 60                                                | 60                                                | 60                                                | 60                                                | 60                                                |
| 27                                         | 62  | 62                                                | 62                                                | 62                                                | 62                                                | 62                                                | 62                                                | 62                                                | 62                                                |
| 28                                         | 64  | 64                                                | 64                                                | 64                                                | 64                                                | 64                                                | 64                                                | 64                                                | 64                                                |
| 29                                         | 66  | 66                                                | 66                                                | 66                                                | 66                                                | 66                                                | 66                                                | 66                                                | 66                                                |
| 30                                         | 68  | 68                                                | 68                                                | 68                                                | 68                                                | 68                                                | 68                                                | 68                                                | 68                                                |
| 31                                         | 70  | 70                                                | 70                                                | 70                                                | 70                                                | 70                                                | 70                                                | 70                                                | 70                                                |
| 32                                         | 72  | 72                                                | 72                                                | 72                                                | 72                                                | 72                                                | 72                                                | 72                                                | 72                                                |
| 33                                         | 74  | 74                                                | 74                                                | 74                                                | 74                                                | 74                                                | 74                                                | 74                                                | 74                                                |
| 34                                         | 76  | 76                                                | 76                                                | 76                                                | 76                                                | 76                                                | 76                                                | 76                                                | 76                                                |
| 35                                         | 78  | 78                                                | 78                                                | 78                                                | 78                                                | 78                                                | 78                                                | 78                                                | 78                                                |
| 36                                         | 80  | 80                                                | 80                                                | 80                                                | 80                                                | 80                                                | 80                                                | 80                                                | 80                                                |
| 37                                         | 82  | 82                                                | 82                                                | 82                                                | 82                                                | 82                                                | 82                                                | 82                                                | 82                                                |
| 38                                         | 84  | 84                                                | 84                                                | 84                                                | 84                                                | 84                                                | 84                                                | 84                                                | 84                                                |
| 39                                         | 86  | 86                                                | 86                                                | 86                                                | 86                                                | 86                                                | 86                                                | 86                                                | 86                                                |
| 40                                         | 88  | 88                                                | 88                                                | 88                                                | 88                                                | 88                                                | 88                                                | 88                                                | 88                                                |
| 41                                         | 90  | 90                                                | 90                                                | 90                                                | 90                                                | 90                                                | 90                                                | 90                                                | 90                                                |
| 42                                         | 92  | 92                                                | 92                                                | 92                                                | 92                                                | 92                                                | 92                                                | 92                                                | 92                                                |
| 43                                         | 94  | 94                                                | 94                                                | 94                                                | 94                                                | 94                                                | 94                                                | 94                                                | 94                                                |
| 44                                         | 96  | 96                                                | 96                                                | 96                                                | 96                                                | 96                                                | 96                                                | 96                                                | 96                                                |
| 45                                         | 98  | 98                                                | 98                                                | 98                                                | 98                                                | 98                                                | 98                                                | 98                                                | 98                                                |
| 46                                         | 100 | 100                                               | 100                                               | 100                                               | 100                                               | 100                                               | 100                                               | 100                                               | 100                                               |
| 47                                         | 102 | 102                                               | 102                                               | 102                                               | 102                                               | 102                                               | 102                                               | 102                                               | 102                                               |
| 48                                         | 104 | 104                                               | 104                                               | 104                                               | 104                                               | 104                                               | 104                                               | 104                                               | 104                                               |
| 49                                         | 106 | 106                                               | 106                                               | 106                                               | 106                                               | 106                                               | 106                                               | 106                                               | 106                                               |
| 50                                         | 108 | 108                                               | 108                                               | 108                                               | 108                                               | 108                                               | 108                                               | 108                                               | 108                                               |
| 51                                         | 110 | 110                                               | 110                                               | 110                                               | 110                                               | 110                                               | 110                                               | 110                                               | 110                                               |
| 52                                         | 112 | 112                                               | 112                                               | 112                                               | 112                                               | 112                                               | 112                                               | 112                                               | 112                                               |
| 53                                         | 114 | 114                                               | 114                                               | 114                                               | 114                                               | 114                                               | 114                                               | 114                                               | 114                                               |
| 54                                         | 116 | 116                                               | 116                                               | 116                                               | 116                                               | 116                                               | 116                                               | 116                                               | 116                                               |
| 55                                         | 118 | 118                                               | 118                                               | 118                                               | 118                                               | 118                                               | 118                                               | 118                                               | 118                                               |
| 56                                         | 120 | 120                                               | 120                                               | 120                                               | 120                                               | 120                                               | 120                                               | 120                                               | 120                                               |
| 57                                         | 122 | 122                                               | 122                                               | 122                                               | 122                                               | 122                                               | 122                                               | 122                                               | 122                                               |
| 58                                         | 124 | 124                                               | 124                                               | 124                                               | 124                                               | 124                                               | 124                                               | 124                                               | 124                                               |
| 59                                         | 126 | 126                                               | 126                                               | 126                                               | 126                                               | 126                                               | 126                                               | 126                                               | 126                                               |
| 60                                         | 128 | 128                                               | 128                                               | 128                                               | 128                                               | 128                                               | 128                                               | 128                                               | 128                                               |
| 61                                         | 130 | 130                                               | 130                                               | 130                                               | 130                                               | 130                                               | 130                                               | 130                                               | 130                                               |
| 62                                         | 132 | 132                                               | 132                                               | 132                                               | 132                                               | 132                                               | 132                                               | 132                                               | 132                                               |
| 63                                         | 134 | 134                                               | 134                                               | 134                                               | 134                                               | 134                                               | 134                                               | 134                                               | 134                                               |
| 64                                         | 136 | 136                                               | 136                                               | 136                                               | 136                                               | 136                                               | 136                                               | 136                                               | 136                                               |
| 65                                         | 138 | 138                                               | 138                                               | 138                                               | 138                                               | 138                                               | 138                                               | 138                                               | 138                                               |
| 66                                         | 140 | 140                                               | 140                                               | 140                                               | 140                                               | 140                                               | 140                                               | 140                                               | 140                                               |
| 67                                         | 142 | 142                                               | 142                                               | 142                                               | 142                                               | 142                                               | 142                                               | 142                                               | 142                                               |
| 68                                         | 144 | 144                                               | 144                                               | 144                                               | 144                                               | 144                                               | 144                                               | 144                                               | 144                                               |
| 69                                         | 146 | 146                                               | 146                                               | 146                                               | 146                                               | 146                                               | 146                                               | 146                                               | 146                                               |
| 70                                         | 148 | 148                                               | 148                                               | 148                                               | 148                                               | 148                                               | 148                                               | 148                                               | 148                                               |
| 71                                         | 150 | 150                                               | 150                                               | 150                                               | 150                                               | 150                                               | 150                                               | 150                                               | 150                                               |
| 72                                         | 152 | 152                                               | 152                                               | 152                                               | 152                                               | 152                                               | 152                                               | 152                                               | 152                                               |
| 73                                         | 154 | 154                                               | 154                                               | 154                                               | 154                                               | 154                                               | 154                                               | 154                                               | 154                                               |
| 74                                         | 156 | 156                                               | 156                                               | 156                                               | 156                                               | 156                                               | 156                                               | 156                                               | 156                                               |
| 75                                         | 158 | 158                                               | 158                                               | 158                                               | 158                                               | 158                                               | 158                                               | 158                                               | 158                                               |
| 76                                         | 160 | 160                                               | 160                                               | 160                                               | 160                                               | 160                                               | 160                                               | 160                                               | 160                                               |
| 77                                         | 162 | 162                                               | 162                                               | 162                                               | 162                                               | 162                                               | 162                                               | 162                                               | 162                                               |
| 78                                         | 164 | 164                                               | 164                                               | 164                                               | 164                                               | 164                                               | 164                                               | 164                                               | 164                                               |
| 79                                         | 166 | 166                                               | 166                                               | 166                                               | 166                                               | 166                                               | 166                                               | 166                                               | 166                                               |
| 80                                         | 168 | 168                                               | 168                                               | 168                                               | 168                                               | 168                                               | 168                                               | 168                                               | 168                                               |
| 81                                         | 170 | 170                                               | 170                                               | 170                                               | 170                                               | 170                                               | 170                                               | 170                                               | 170                                               |
| 82                                         | 172 | 172                                               | 172                                               | 172                                               | 172                                               | 172                                               | 172                                               | 172                                               | 172                                               |
| 83                                         | 174 | 174                                               | 174                                               | 174                                               | 174                                               | 174                                               | 174                                               | 174                                               | 174                                               |
| 84                                         | 176 | 176                                               | 176                                               | 176                                               | 176                                               | 176                                               | 176                                               | 176                                               | 176                                               |
| 85                                         | 178 | 178                                               | 178                                               | 178                                               | 178                                               | 178                                               | 178                                               | 178                                               | 178                                               |
| 86                                         | 180 | 180                                               | 180                                               | 180                                               | 180                                               | 180                                               | 180                                               | 180                                               | 180                                               |
| 87                                         | 182 | 182                                               | 182                                               | 182                                               | 182                                               | 182                                               | 182                                               | 182                                               | 182                                               |
| 88                                         | 184 | 184                                               | 184                                               | 184                                               | 184                                               | 184                                               | 184                                               | 184                                               | 184                                               |
| 89                                         | 186 | 186                                               | 186                                               | 186                                               | 186                                               | 186                                               | 186                                               | 186                                               | 186                                               |
| 90                                         | 188 | 188                                               | 188                                               | 188                                               | 188                                               | 188                                               | 188                                               | 188                                               | 188                                               |
| 91                                         | 190 | 190                                               | 190                                               | 190                                               | 190                                               | 190                                               | 190                                               | 190                                               | 190                                               |
| 92                                         | 192 | 192                                               | 192                                               | 192                                               | 192                                               | 192                                               | 192                                               | 192                                               | 192                                               |
| 93                                         | 194 | 194                                               | 194                                               | 194                                               | 194                                               | 194                                               | 194                                               | 194                                               | 194                                               |
| 94                                         | 196 | 196                                               | 196                                               | 196                                               | 196                                               | 196                                               | 196                                               | 196                                               | 196                                               |
| 95                                         | 198 | 198                                               | 198                                               | 198                                               | 198                                               | 198                                               | 198                                               | 198                                               | 198                                               |
| 96                                         | 200 | 200                                               | 200                                               | 200                                               | 200                                               | 200                                               | 200                                               | 200                                               | 200                                               |
| 97                                         | 202 | 202                                               | 202                                               | 202                                               | 202                                               | 202                                               | 202                                               | 202                                               | 202                                               |
| 98                                         | 204 | 204                                               | 204                                               | 204                                               | 204                                               | 204                                               | 204                                               | 204                                               | 204                                               |
| 99                                         | 206 | 206                                               | 206                                               | 206                                               | 206                                               | 206                                               | 206                                               | 206                                               | 206                                               |
| 100                                        | 208 | 208                                               | 208                                               | 208                                               | 208                                               | 208                                               | 208                                               | 208                                               | 208                                               |
| 101                                        | 210 | 210                                               | 210                                               | 210                                               | 210                                               | 210                                               | 210                                               | 210                                               | 210                                               |
| 102                                        | 212 | 212                                               | 212                                               | 212                                               | 212                                               | 212                                               | 212                                               | 212                                               | 212                                               |
| 103                                        | 214 | 214                                               | 214                                               | 214                                               | 214                                               | 214                                               | 214                                               | 214                                               | 214                                               |
| 104                                        | 216 | 216                                               | 216                                               | 216                                               | 216                                               | 216                                               | 216                                               | 216                                               | 216                                               |
| 105                                        | 218 | 218                                               | 218                                               | 218                                               | 218                                               | 218                                               | 218                                               | 218                                               | 218                                               |
| 106                                        | 220 | 220                                               | 220                                               | 220                                               | 220                                               | 220                                               | 220                                               | 220                                               | 220                                               |
| 107                                        | 222 | 222                                               | 222                                               | 222                                               | 222                                               | 222                                               | 222                                               | 222                                               | 222                                               |
| 108                                        | 224 | 224                                               | 224                                               | 224                                               | 224                                               | 224                                               | 224                                               | 224                                               | 224                                               |
| 109                                        | 226 | 226                                               | 226                                               | 226                                               | 226                                               | 226                                               | 226                                               | 226                                               | 226                                               |
| 110                                        | 228 | 228                                               | 228                                               | 228                                               | 228                                               | 228                                               | 228                                               | 228                                               | 228                                               |
| 111                                        | 230 | 230                                               | 230                                               | 230                                               | 230                                               | 230                                               | 230                                               | 230                                               | 230                                               |
| 112                                        | 232 | 232                                               | 232                                               | 232                                               | 232                                               | 232                                               | 232                                               | 232                                               | 232                                               |
| 113                                        | 234 | 234                                               | 234                                               | 234                                               | 234                                               | 234                                               | 234                                               | 234                                               | 234                                               |
| 114                                        | 236 | 236                                               | 236                                               | 236                                               | 236                                               | 236                                               | 236                                               | 236                                               | 236                                               |
| 115                                        | 238 | 238                                               | 238                                               | 238                                               | 238                                               | 238                                               | 238                                               | 238                                               | 238                                               |
| 116                                        | 240 | 240                                               | 240                                               | 240                                               | 240                                               | 240                                               | 240                                               | 240                                               | 240                                               |
| 117                                        | 242 | 242                                               | 242                                               | 242                                               | 242                                               | 242                                               | 242                                               | 242                                               | 242                                               |
| 118                                        | 244 | 244                                               | 244                                               | 244                                               | 244                                               | 244                                               | 244                                               | 244                                               | 244                                               |
| 119                                        | 246 | 246                                               | 246                                               | 246                                               | 246                                               | 246                                               | 246                                               | 246                                               | 246                                               |
| 120                                        | 248 | 248                                               | 248                                               | 248                                               | 248                                               | 248                                               | 248                                               | 248                                               | 248                                               |
| 121                                        | 250 | 250                                               | 250                                               | 250                                               | 250                                               | 250                                               | 250                                               | 250                                               | 250                                               |
| 122                                        | 252 | 252                                               | 252                                               | 252                                               | 252                                               | 252                                               | 252                                               | 252                                               | 252                                               |
| 123                                        | 254 | 254                                               | 254                                               | 254                                               | 254                                               | 254                                               | 254                                               | 254                                               | 254                                               |
| 124                                        | 256 | 256                                               | 256                                               | 256                                               | 256                                               | 256                                               | 256                                               | 256                                               | 256                                               |
| 125                                        | 258 | 258                                               | 258                                               | 258                                               | 258                                               | 258                                               | 258                                               | 258                                               | 258                                               |
| 126                                        | 260 | 260                                               | 260                                               | 260                                               | 260                                               | 260                                               | 260                                               | 260                                               | 260                                               |
| 127                                        | 262 | 262                                               | 262                                               | 262                                               | 262                                               | 262                                               | 262                                               | 262                                               | 262                                               |
| 128                                        | 264 | 264                                               | 264                                               | 264                                               | 264                                               | 264                                               | 264                                               | 264                                               | 264                                               |
| 129                                        | 266 | 266                                               | 266                                               | 266                                               | 266                                               | 266                                               | 266                                               | 266                                               | 266                                               |
| 130                                        | 268 | 268                                               | 268                                               | 268                                               | 268                                               | 268                                               | 268                                               | 268                                               | 268                                               |
| 131                                        | 270 | 270                                               | 270                                               | 270                                               | 270                                               | 270                                               | 270                                               | 270                                               | 270                                               |
| 132                                        | 272 | 272                                               | 272                                               | 272                                               | 272                                               | 272                                               | 272                                               | 272                                               | 272                                               |
| 133                                        | 274 | 274                                               | 274                                               | 274                                               | 274                                               | 274                                               | 274                                               | 274                                               | 274                                               |
| 134                                        | 276 | 276                                               | 276                                               | 276                                               | 276                                               | 276                                               | 276                                               | 276                                               | 276                                               |
| 135                                        | 278 | 278                                               | 278                                               | 278                                               | 278                                               | 278                                               | 278                                               | 278                                               | 278                                               |
| 136                                        | 280 | 280                                               | 280                                               | 280                                               | 280                                               | 280                                               | 280                                               | 280                                               | 280                                               |
| 137                                        | 282 | 282                                               | 282                                               | 282                                               | 282                                               | 282                                               | 282                                               | 282                                               | 282                                               |
| 138                                        | 284 | 284                                               | 284                                               | 284                                               | 284                                               | 284                                               | 284                                               | 284                                               | 284                                               |
| 139                                        | 286 | 286                                               | 286                                               | 286                                               | 286                                               | 286                                               | 286                                               | 286                                               | 286                                               |
| 140                                        | 288 | 288                                               | 288                                               | 288                                               | 288                                               | 288                                               | 288                                               | 288                                               | 288                                               |
| 141                                        | 290 | 290                                               | 290                                               | 290                                               | 290                                               | 290                                               | 290                                               | 290                                               | 290                                               |
| 142                                        | 292 | 292                                               | 292                                               | 292                                               | 292                                               | 292                                               | 292                                               | 292                                               | 292                                               |
| 143                                        | 294 | 294                                               | 294                                               | 294                                               | 294                                               | 294                                               | 294                                               | 294                                               | 294                                               |
| 144                                        | 296 | 296                                               | 2                                                 |                                                   |                                                   |                                                   |                                                   |                                                   |                                                   |