

| HB  | Rockwell |      | HV  | Rr en<br>daN/mm <sup>2</sup> | HB  | Rockwell |      | HV  | Rr en<br>daN/mm <sup>2</sup> |
|-----|----------|------|-----|------------------------------|-----|----------|------|-----|------------------------------|
|     | HRB      | HRC  |     |                              |     | HRB      | HRC  |     |                              |
| 80  | 36.4     |      | 80  | 27                           | 295 |          | 29.6 | 295 | 99                           |
| 85  | 42.4     |      | 85  | 29                           | 300 |          | 30.3 | 300 | 101                          |
| 90  | 47.4     |      | 90  | 31                           | 310 |          | 31.5 | 310 | 104                          |
| 95  | 52       |      | 95  | 32                           | 320 |          | 32.7 | 320 | 108                          |
| 100 | 56.4     |      | 100 | 34                           | 330 |          | 33.8 | 330 | 111                          |
| 105 | 60       |      | 105 | 36                           | 340 |          | 34.9 | 340 | 115                          |
| 110 | 63.4     |      | 110 | 38                           | 350 |          | 36   | 350 | 118                          |
| 115 | 66.4     |      | 115 | 39                           | 359 |          | 37   | 359 | 121                          |
| 120 | 69.4     |      | 120 | 41                           | 368 |          | 38   | 368 | 124                          |
| 125 | 72       |      | 125 | 42                           | 376 |          | 38.9 | 376 | 127                          |
| 130 | 74.4     |      | 130 | 44                           | 385 |          | 39.8 | 385 | 129                          |
| 135 | 76.4     |      | 135 | 46                           | 392 |          | 40.7 | 392 | 132                          |
| 140 | 78.4     |      | 140 | 47                           | 400 |          | 41.5 | 400 | 135                          |
| 145 | 80.4     |      | 145 | 49                           | 408 |          | 42.4 | 408 | 138                          |
| 150 | 82.2     |      | 150 | 50                           | 415 |          | 43.2 | 415 | 141                          |
| 155 | 83.8     |      | 155 | 52                           | 423 |          | 44   | 423 | 143                          |
| 160 | 85.4     |      | 160 | 54                           | 432 |          | 44.8 | 432 | 146                          |
| 165 | 86.8     |      | 165 | 55                           | 438 |          | 45   | 438 | 150                          |
| 170 | 88.2     |      | 170 | 57                           | 444 |          | 46   | 444 | 152                          |
| 175 | 89.6     |      | 175 | 59                           | 451 |          | 46   | 451 | 155                          |
| 180 | 90.8     |      | 180 | 61                           | 457 |          | 47   | 457 | 158                          |
| 185 | 91.8     |      | 185 | 62                           | 464 |          | 47   | 464 | 161                          |
| 190 | 93       |      | 190 | 64                           | 471 |          | 48   | 471 | 164                          |
| 195 | 94       |      | 195 | 66                           | 478 |          | 49   | 478 | 166                          |
| 200 | 95       |      | 200 | 67                           | 481 |          | 49   | 481 | 168                          |
| 205 | 95.8     |      | 205 | 69                           | 485 |          | 49   | 485 | 170                          |
| 210 | 96.6     |      | 210 | 71                           | 492 |          | 49   | 492 | 173                          |
| 215 | 97.6     |      | 215 | 72                           | 499 |          | 50   | 499 | 176                          |
| 220 | 98.2     |      | 220 | 74                           | 503 |          | 51   | 503 | 178                          |
| 225 | 99       |      | 225 | 76                           | 507 |          | 51   | 507 | 180                          |
| 230 |          | 19.2 | 230 | 77                           | 514 |          | 52   | 514 | 183                          |
| 235 |          | 20.2 | 235 | 78                           | 518 |          | 52   | 518 | 185                          |
| 240 |          | 21.2 | 240 | 80                           | 522 |          | 52   | 522 | 187                          |
| 245 |          | 22.1 | 245 | 82                           | 530 |          | 53   | 530 | 191                          |
| 250 |          | 23   | 250 | 83                           | 534 |          | 53   | 534 | 193                          |
| 255 |          | 23.8 | 255 | 85                           | 543 |          | 53   | 543 | 195                          |
| 260 |          | 24.6 | 260 | 87                           | 547 |          | 54   | 547 | 197                          |
| 265 |          | 25.4 | 265 | 88                           | 555 |          | 54   | 555 | 200                          |
| 270 |          | 26.2 | 270 | 90                           | 564 |          | 55   | 564 | 204                          |
| 275 |          | 26.9 | 275 | 92                           | 573 |          | 55   | 573 | 209                          |
| 280 |          | 27.6 | 280 | 94                           | 582 |          | 56   | 582 | 214                          |
| 285 |          | 28.3 | 285 | 95                           | 592 |          | 57   | 592 | 219                          |
| 290 |          | 29   | 290 | 97                           | 602 |          | 58   | 602 | 225                          |

Essai Brinell: charge 2490 daN et bille Ø 10

Essai Vickers:

pyramide de diamant à 136°, charge de 49 daN ( pour acier non traité ou recuit ) et charge de 29.4 daN  
( pour acier traité ou durci )

Essai Rockwell C: charge de 147 daN, cône de diamant de 120°

Essai Rockwell B: charge de 98 daN, bille de 1/16" ( 1.59 mm )