

General information

Comparison of Hardness

| Tens. strength (N/mm ²) | HRC | HB30 | HV10 | Tens. strength (N/mm ²) | HRC | HB30 | HV10 |
|-------------------------------------|-----|------|------|-------------------------------------|-----|------|------|
| 240 | | 71 | 75 | 1110 | 35 | 328 | 345 |
| 255 | | 76 | 80 | 1140 | 36 | 337 | 355 |
| 270 | | 81 | 85 | 1170 | 37 | 346 | 364 |
| 285 | | 86 | 90 | 1200 | 38 | 354 | 373 |
| 305 | | 90 | 95 | 1230 | 39 | 363 | 382 |
| 320 | | 95 | 100 | 1260 | 40 | 372 | 392 |
| 335 | | 100 | 105 | 1300 | 41 | 383 | 403 |
| 350 | | 105 | 110 | 1330 | 42 | 393 | 413 |
| 370 | | 109 | 115 | 1360 | 43 | 402 | 423 |
| 385 | | 114 | 120 | 1400 | 44 | 413 | 434 |
| 400 | | 119 | 125 | 1440 | 45 | 424 | 446 |
| 415 | | 124 | 130 | 1480 | 46 | 435 | 458 |
| 430 | | 128 | 135 | 1530 | 47 | 449 | 473 |
| 450 | | 133 | 140 | 1570 | 48 | 460 | 484 |
| 465 | | 138 | 145 | 1620 | 49 | 472 | 497 |
| 480 | | 143 | 150 | 1680 | 50 | 488 | 514 |
| 495 | | 147 | 155 | 1730 | 51 | 501 | 527 |
| 510 | | 152 | 160 | 1790 | 52 | 517 | 544 |
| 530 | | 157 | 165 | 1845 | 53 | 532 | 560 |
| 545 | | 162 | 170 | 1910 | 54 | 549 | 578 |
| 560 | | 166 | 175 | 1980 | 55 | 567 | 596 |
| 575 | | 171 | 180 | 2050 | 56 | 584 | 615 |
| 595 | | 176 | 185 | 2140 | 57 | 607 | 639 |
| 610 | | 181 | 190 | 2180 | 58 | 622 | 655 |
| 625 | | 185 | 195 | | 59 | | 675 |
| 640 | | 190 | 200 | | 60 | | 698 |
| 660 | | 195 | 205 | | 61 | | 720 |
| 675 | | 199 | 210 | | 62 | | 745 |
| 690 | | 204 | 215 | | 63 | | 773 |
| 705 | | 209 | 220 | | 64 | | 800 |
| 720 | | 214 | 225 | | 65 | | 829 |
| 740 | | 219 | 230 | | 66 | | 864 |
| 755 | | 223 | 235 | | 67 | | 900 |
| 770 | | 228 | 240 | | 68 | | 940 |
| 785 | | 233 | 245 | | | | |
| 800 | 22 | 238 | 250 | | | | |
| 820 | 23 | 242 | 255 | | | | |
| 835 | 24 | 247 | 260 | | | | |
| 860 | 25 | 255 | 268 | | | | |
| 870 | 26 | 258 | 272 | | | | |
| 900 | 27 | 266 | 280 | | | | |
| 920 | 28 | 273 | 287 | | | | |
| 940 | 29 | 278 | 293 | | | | |
| 970 | 30 | 287 | 302 | | | | |
| 995 | 31 | 295 | 310 | | | | |
| 1020 | 32 | 301 | 317 | | | | |
| 1050 | 33 | 311 | 327 | | | | |
| 1080 | 34 | 319 | 336 | | | | |