

D型冲击装置里氏硬度换算表

材料：碳钢、低合金钢和铸钢 ($E \approx 210\ 000\text{N/mm}^2$)、执行标准：GB/T 17394-1998

深圳市恒信杰科技有限公司 电话：0755-29764395 传真：0755-29764385 <http://www.hengxinjie.com>

| HLD | HRC | HRB | HV | HB[1] (F=30 D ²) | HB[2] (F=30 D ²) | HSD | HLD | HRC | HRB | HV | HB[1] (F=30 D ²) | HB[2] (F=30 D ²) | HSD |
|-----|-----|------|-----|------------------------------------|------------------------------------|-----|-----|-----|------|-----|------------------------------------|------------------------------------|------|
| 300 | | | 83 | | | | 390 | | 72.3 | 125 | | | |
| 302 | | | 84 | | | | 392 | | 72.9 | 126 | | | |
| 304 | | | 85 | | | | 394 | | 73.4 | 127 | | | |
| 306 | | | 85 | | | | 396 | | 74.0 | 129 | | | |
| 308 | | | 86 | | | | 398 | | 74.5 | 130 | | | |
| 310 | | | 87 | | | | 400 | | 75.0 | 131 | | 142 | |
| 312 | | | 87 | | | | 402 | | 75.5 | 133 | | 144 | |
| 314 | | | 88 | | | | 404 | | 76.0 | 134 | | 145 | |
| 316 | | | 89 | | | | 406 | | 76.5 | 135 | | 147 | |
| 318 | | | 90 | | | | 408 | | 77.0 | 136 | | 149 | |
| 320 | | | 90 | | | | 410 | | 77.5 | 138 | | 150 | |
| 322 | | | 91 | | | | 412 | | 78.0 | 139 | | 152 | |
| 324 | | | 92 | | | | 414 | | 78.4 | 141 | | 153 | |
| 326 | | | 93 | | | | 416 | | 78.9 | 142 | | 155 | |
| 328 | | | 94 | | | | 418 | | 79.3 | 143 | | 156 | |
| 330 | | | 94 | | | | 420 | | 79.8 | 145 | 140 | 157 | |
| 332 | | | 95 | | | | 422 | | 80.2 | 146 | 141 | 159 | |
| 334 | | | 96 | | | | 424 | | 80.7 | 148 | 143 | 160 | |
| 336 | | | 97 | | | | 426 | | 81.1 | 149 | 144 | 162 | |
| 338 | | | 98 | | | | 428 | | 81.5 | 151 | 145 | 163 | |
| 340 | | | 99 | | | | 430 | | 81.9 | 152 | 147 | 165 | |
| 342 | | | 100 | | | | 432 | | 82.4 | 154 | 148 | 166 | |
| 344 | | | 101 | | | | 434 | | 82.8 | 155 | 150 | 168 | |
| 346 | | | 101 | | | | 436 | | 83.2 | 157 | 151 | 169 | |
| 348 | | | 102 | | | | 438 | | 83.6 | 158 | 153 | 171 | |
| 350 | | 59.6 | 103 | | | | 440 | | 84.0 | 160 | 154 | 172 | |
| 352 | | 60.3 | 104 | | | | 442 | | 84.4 | 161 | 156 | 174 | |
| 354 | | 61.0 | 105 | | | | 444 | | 84.8 | 163 | 157 | 175 | |
| 356 | | 61.7 | 106 | | | | 446 | | 85.1 | 164 | 159 | 176 | |
| 358 | | 62.4 | 107 | | | | 448 | | 85.5 | 166 | 160 | 178 | |
| 360 | | 63.1 | 108 | | | | 450 | | 85.9 | 168 | 162 | 179 | |
| 362 | | 63.8 | 109 | | | | 452 | | 86.3 | 169 | 164 | 181 | |
| 364 | | 64.5 | 110 | | | | 454 | | 86.6 | 171 | 165 | 182 | |
| 366 | | 65.1 | 111 | | | | 456 | | 87.0 | 173 | 167 | 184 | |
| 368 | | 65.8 | 112 | | | | 458 | | 87.4 | 174 | 168 | 185 | |
| 370 | | 66.4 | 114 | | | | 460 | | 87.7 | 176 | 170 | 187 | 26.4 |
| 372 | | 67.0 | 115 | | | | 462 | | 88.1 | 178 | 172 | 188 | 26.7 |
| 374 | | 67.7 | 116 | | | | 464 | | 88.5 | 179 | 173 | 190 | 27.0 |
| 376 | | 68.3 | 117 | | | | 466 | | 88.8 | 181 | 175 | 191 | 27.3 |
| 378 | | 68.9 | 118 | | | | 468 | | 89.2 | 183 | 177 | 193 | 27.6 |
| 380 | | 69.5 | 119 | | | | 470 | | 89.5 | 185 | 178 | 194 | 27.9 |
| 382 | | 70.1 | 120 | | | | 472 | | 89.9 | 186 | 180 | 196 | 28.2 |
| 384 | | 70.6 | 121 | | | | 474 | | 90.3 | 188 | 182 | 197 | 28.5 |
| 386 | | 71.2 | 123 | | | | 476 | | 90.6 | 190 | 184 | 198 | 28.8 |
| 388 | | 71.8 | 124 | | | | 478 | | 91.0 | 192 | 185 | 200 | 29.1 |

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|-----|------|------|-----|------------------------------------|------------------------------------|------|-----|------|-----|-----|------------------------------------|------------------------------------|------|
| 480 | | 91.3 | 194 | 187 | 202 | 29.4 | 570 | 30.0 | | 290 | 281 | 282 | 42.3 |
| 482 | | 91.7 | 195 | 189 | 203 | 29.7 | 572 | 30.3 | | 292 | 283 | 285 | 42.6 |
| 484 | | 92.1 | 197 | 191 | 205 | 30.0 | 574 | 30.6 | | 294 | 286 | 287 | 42.9 |
| 486 | | 92.4 | 199 | 192 | 206 | 30.3 | 576 | 30.9 | | 297 | 288 | 289 | 43.2 |
| 488 | | 92.8 | 201 | 194 | 208 | 30.6 | 578 | 31.2 | | 299 | 291 | 292 | 43.5 |
| 490 | | 93.1 | 203 | 196 | 209 | 30.9 | 580 | 31.5 | | 302 | 293 | 294 | 43.8 |
| 492 | | 93.5 | 205 | 198 | 211 | 31.2 | 582 | 31.8 | | 304 | 296 | 296 | 44.1 |
| 494 | | 93.9 | 207 | 200 | 212 | 31.5 | 584 | 32.1 | | 307 | 298 | 299 | 44.4 |
| 496 | | 94.3 | 209 | 202 | 214 | 31.7 | 586 | 32.4 | | 309 | 301 | 301 | 44.7 |
| 498 | | 94.6 | 211 | 204 | 215 | 32.0 | 588 | 32.7 | | 312 | 303 | 304 | 45.0 |
| 500 | | 95.0 | 213 | 205 | 217 | 32.2 | 590 | 33.0 | | 315 | 306 | 308 | 45.4 |
| 502 | | 95.4 | 215 | 207 | 219 | 32.5 | 592 | 33.3 | | 317 | 308 | 310 | 45.7 |
| 504 | | 95.8 | 217 | 209 | 220 | 32.8 | 594 | 33.6 | | 320 | 311 | 313 | 46.0 |
| 506 | | 96.2 | 219 | 211 | 222 | 33.1 | 596 | 33.9 | | 322 | 314 | 315 | 46.3 |
| 508 | | 96.6 | 221 | 213 | 224 | 33.3 | 598 | 34.2 | | 325 | 316 | 318 | 46.6 |
| 510 | 19.8 | 97.0 | 223 | 215 | 225 | 33.6 | 600 | 34.5 | | 328 | 319 | 320 | 46.9 |
| 512 | 20.2 | 97.4 | 225 | 217 | 227 | 33.9 | 602 | 34.8 | | 330 | 322 | 323 | 47.2 |
| 514 | 20.6 | 97.9 | 227 | 219 | 229 | 34.2 | 604 | 35.1 | | 333 | 324 | 325 | 47.5 |
| 516 | 21.0 | 98.3 | 229 | 221 | 230 | 34.4 | 606 | 35.4 | | 336 | 327 | 328 | 47.8 |
| 518 | 21.3 | 98.7 | 231 | 223 | 232 | 34.7 | 608 | 35.7 | | 338 | 330 | 331 | 48.2 |
| 520 | 21.7 | 99.2 | 233 | 225 | 234 | 35.0 | 610 | 35.9 | | 341 | 332 | 333 | 48.5 |
| 522 | 22.0 | 99.6 | 235 | 227 | 235 | 35.3 | 612 | 36.2 | | 344 | 335 | 336 | 48.2 |
| 524 | 22.4 | | 237 | 229 | 237 | 35.6 | 614 | 36.5 | | 346 | 338 | 339 | 49.1 |
| 526 | 22.8 | | 239 | 231 | 239 | 35.8 | 616 | 36.8 | | 349 | 340 | 341 | 49.4 |
| 528 | 23.1 | | 241 | 234 | 241 | 36.1 | 618 | 37.1 | | 352 | 343 | 344 | 49.7 |
| 530 | 23.5 | | 244 | 236 | 242 | 36.4 | 620 | 37.4 | | 355 | 346 | 346 | 50.1 |
| 532 | 23.8 | | 246 | 238 | 244 | 36.7 | 622 | 37.6 | | 357 | 349 | 349 | 50.4 |
| 534 | 24.1 | | 248 | 240 | 246 | 37.0 | 624 | 37.9 | | 360 | 351 | 352 | 50.7 |
| 536 | 24.5 | | 250 | 242 | 248 | 37.3 | 626 | 38.2 | | 363 | 354 | 355 | 51.0 |
| 538 | 24.8 | | 252 | 244 | 250 | 37.6 | 628 | 38.5 | | 366 | 357 | 357 | 51.3 |
| 540 | 25.2 | | 255 | 246 | 252 | 37.9 | 630 | 38.7 | | 369 | 360 | 360 | 51.7 |
| 542 | 25.5 | | 257 | 249 | 254 | 38.1 | 632 | 39.0 | | 372 | 363 | 363 | 52.0 |
| 544 | 25.8 | | 259 | 251 | 256 | 38.4 | 634 | 39.3 | | 375 | 366 | 366 | 52.3 |
| 546 | 26.2 | | 261 | 253 | 258 | 38.7 | 636 | 39.6 | | 377 | 369 | 369 | 52.6 |
| 548 | 26.5 | | 264 | 255 | 259 | 39.0 | 638 | 39.8 | | 380 | 371 | 371 | 52.9 |
| 550 | 26.8 | | 266 | 258 | 261 | 39.3 | 640 | 40.1 | | 383 | 374 | 374 | 53.3 |
| 552 | 27.1 | | 268 | 260 | 263 | 39.6 | 642 | 40.4 | | 386 | 377 | 377 | 53.6 |
| 554 | 27.5 | | 270 | 262 | 265 | 39.9 | 644 | 40.7 | | 389 | 380 | 380 | 53.9 |
| 556 | 27.8 | | 273 | 265 | 268 | 40.2 | 646 | 40.9 | | 392 | 383 | 383 | 54.2 |
| 558 | 28.1 | | 275 | 267 | 270 | 40.5 | 648 | 41.2 | | 395 | 386 | 386 | 54.6 |
| 560 | 28.4 | | 278 | 269 | 272 | 40.8 | 650 | 41.5 | | 398 | 389 | 389 | 54.9 |
| 562 | 28.8 | | 280 | 272 | 274 | 41.1 | 652 | 41.7 | | 401 | 392 | 392 | 55.2 |
| 564 | 29.1 | | 282 | 274 | 276 | 41.4 | 654 | 42.0 | | 404 | 395 | 395 | 55.6 |
| 566 | 29.4 | | 285 | 276 | 278 | 41.7 | 656 | 42.3 | | 407 | 398 | 398 | 55.8 |
| 568 | 29.7 | | 287 | 279 | 280 | 42.0 | 658 | 42.6 | | 411 | 401 | 401 | 56.2 |

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|-----|------|-----|-----|------------------------------------|------------------------------------|------|-----|------|-----|-----|------------------------------------|------------------------------------|------|
| 660 | 42.8 | | 414 | 404 | 404 | 56.5 | 750 | 54.3 | | 576 | 554 | 554 | 72.1 |
| 662 | 43.1 | | 417 | 407 | 407 | 56.9 | 752 | 54.5 | | 580 | 558 | 558 | 72.5 |
| 664 | 43.4 | | 420 | 410 | 410 | 57.2 | 754 | 54.8 | | 584 | 561 | 561 | 72.9 |
| 666 | 43.6 | | 423 | 413 | 413 | 57.5 | 756 | 55.0 | | 589 | 565 | 565 | 73.2 |
| 668 | 43.9 | | 426 | 417 | 417 | 57.9 | 758 | 55.3 | | 593 | 569 | 569 | 73.6 |
| 670 | 44.1 | | 429 | 420 | 420 | 58.2 | 760 | 55.5 | | 597 | 572 | 572 | 74.0 |
| 672 | 44.4 | | 433 | 423 | 423 | 58.5 | 762 | 55.7 | | 602 | 576 | 576 | 74.3 |
| 674 | 44.7 | | 436 | 426 | 426 | 58.9 | 764 | 56.0 | | 606 | 580 | 580 | 74.7 |
| 676 | 44.9 | | 439 | 429 | 429 | 59.2 | 766 | 56.2 | | 610 | 583 | 583 | 75.1 |
| 678 | 45.2 | | 442 | 432 | 432 | 59.5 | 768 | 56.5 | | 615 | 587 | 587 | 75.5 |
| 680 | 45.5 | | 446 | 435 | 435 | 59.9 | 770 | 56.7 | | 619 | 591 | 591 | 75.8 |
| 682 | 45.7 | | 449 | 439 | 439 | 60.2 | 772 | 56.9 | | 624 | 594 | 594 | 76.2 |
| 684 | 46.0 | | 452 | 442 | 442 | 60.5 | 774 | 57.2 | | 628 | 598 | 598 | 76.6 |
| 686 | 46.2 | | 456 | 445 | 445 | 60.9 | 776 | 57.4 | | 633 | 602 | 602 | 77.0 |
| 688 | 46.5 | | 459 | 448 | 448 | 61.2 | 778 | 57.6 | | 638 | 605 | 605 | 77.4 |
| 690 | 46.8 | | 463 | 451 | 451 | 61.6 | 780 | 57.9 | | 642 | 609 | 609 | 77.7 |
| 692 | 47.0 | | 466 | 455 | 455 | 61.9 | 782 | 58.1 | | 647 | 613 | 613 | 78.1 |
| 694 | 47.3 | | 469 | 458 | 458 | 62.2 | 784 | 58.3 | | 652 | 617 | 617 | 78.5 |
| 696 | 47.5 | | 473 | 461 | 461 | 62.6 | 786 | 58.6 | | 657 | 620 | 620 | 78.9 |
| 698 | 47.8 | | 476 | 465 | 465 | 62.9 | 788 | 58.8 | | 662 | 624 | 624 | 79.3 |
| 700 | 48.0 | | 480 | 468 | 468 | 63.3 | 790 | 59.0 | | 666 | 628 | 628 | 79.7 |
| 702 | 48.3 | | 483 | 471 | 471 | 63.6 | 792 | 59.2 | | 671 | 632 | 632 | 80.1 |
| 704 | 48.6 | | 487 | 474 | 474 | 64.0 | 794 | 59.5 | | 676 | 635 | 635 | 80.5 |
| 706 | 48.8 | | 491 | 478 | 478 | 64.3 | 796 | 59.7 | | 681 | 639 | 639 | 80.9 |
| 708 | 49.1 | | 494 | 481 | 481 | 64.6 | 798 | 59.9 | | 686 | 643 | 643 | 81.2 |
| 710 | 49.3 | | 498 | 485 | 485 | 65.0 | 800 | 60.1 | | 691 | 647 | 647 | 81.6 |
| 712 | 49.6 | | 501 | 488 | 488 | 65.3 | 802 | 60.4 | | 697 | 651 | 651 | 82.0 |
| 714 | 49.8 | | 505 | 491 | 491 | 65.7 | 804 | 60.6 | | 702 | | | 82.4 |
| 716 | 50.1 | | 509 | 495 | 495 | 66.0 | 806 | 60.8 | | 707 | | | 82.8 |
| 718 | 50.3 | | 513 | 498 | 498 | 66.4 | 808 | 61.0 | | 712 | | | 83.2 |
| 720 | 50.6 | | 516 | 502 | 502 | 66.7 | 810 | 61.2 | | 718 | | | 83.7 |
| 722 | 50.8 | | 520 | 505 | 505 | 67.1 | 812 | 61.4 | | 723 | | | 84.1 |
| 724 | 51.1 | | 524 | 508 | 508 | 67.4 | 814 | 61.7 | | 728 | | | 84.5 |
| 726 | 51.3 | | 528 | 512 | 512 | 67.8 | 816 | 61.9 | | 734 | | | 84.9 |
| 728 | 51.6 | | 532 | 515 | 515 | 68.2 | 818 | 62.1 | | 739 | | | 85.3 |
| 730 | 51.8 | | 535 | 519 | 519 | 68.5 | 820 | 62.3 | | 745 | | | 85.7 |
| 732 | 52.1 | | 539 | 522 | 522 | 68.9 | 822 | 62.5 | | 750 | | | 86.1 |
| 734 | 52.3 | | 543 | 526 | 526 | 69.2 | 824 | 62.7 | | 756 | | | 86.5 |
| 736 | 52.6 | | 547 | 529 | 529 | 69.6 | 826 | 62.9 | | 762 | | | 87.0 |
| 738 | 52.8 | | 551 | 533 | 533 | 69.9 | 828 | 63.1 | | 768 | | | 87.4 |
| 740 | 53.1 | | 555 | 536 | 536 | 70.3 | 830 | 63.3 | | 773 | | | 87.8 |
| 742 | 53.3 | | 559 | 540 | 540 | 70.7 | 832 | 63.5 | | 779 | | | 88.2 |
| 744 | 53.6 | | 563 | 543 | 543 | 71.0 | 834 | 63.7 | | 785 | | | 88.6 |
| 746 | 53.8 | | 568 | 547 | 547 | 71.4 | 836 | 63.9 | | 791 | | | 89.1 |
| 748 | 54.1 | | 572 | 551 | 551 | 71.8 | 838 | 64.1 | | 797 | | | 89.5 |

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|-----|------|-----|-----|------------------------------------|------------------------------------|------|-----|------|-----|-----|------------------------------------|------------------------------------|------|
| 840 | 64.3 | | 803 | | | 89.9 | 866 | 66.7 | | 888 | | | 95.7 |
| 842 | 64.5 | | 809 | | | 90.4 | 868 | 66.8 | | 895 | | | 96.2 |
| 844 | 64.7 | | 816 | | | 90.8 | 870 | 67.0 | | 902 | | | 96.7 |
| 846 | 64.9 | | 822 | | | 91.2 | 872 | 67.2 | | 909 | | | 97.1 |
| 848 | 65.1 | | 828 | | | 91.7 | 874 | 67.3 | | 916 | | | 97.6 |
| 850 | 65.3 | | 835 | | | 92.1 | 876 | 67.5 | | 923 | | | 98.1 |
| 852 | 65.4 | | 841 | | | 92.6 | 878 | 67.6 | | 931 | | | 98.6 |
| 854 | 65.6 | | 848 | | | 93.0 | 880 | 67.8 | | 938 | | | 99.0 |
| 856 | 65.8 | | 854 | | | 93.5 | 882 | 68.0 | | 946 | | | 99.5 |
| 858 | 66.0 | | 861 | | | 93.9 | 884 | 68.1 | | 953 | | | |
| 860 | 66.2 | | 867 | | | 94.4 | 886 | 68.2 | | 961 | | | |
| 862 | 66.3 | | 874 | | | 94.8 | 888 | 68.4 | | 968 | | | |
| 864 | 66.5 | | 881 | | | 95.3 | 890 | 68.5 | | 976 | | | |

注：HB[1]为轧制材料的布氏硬度；
HB[2]为锻造材料的布氏硬度。