

HARDNESS CONVERSION TABLE

YENCHANG HARDWARE HOOK SPRING FACTORY

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| NO. | STEEL | | | | | | | | | |
|-----|-------|--------|--------|--------|-------|-------|-------|-------|---------|------|
| | HRA | HRB | HRC | HRD | 15N | 30N | 45N | HV | HB | HS |
| | 60Kgf | 100Kgf | 150Kgf | 100Kgf | 15Kgf | 30Kgf | 45Kgf | 50Kgf | 3000Kgf | JIS |
| 1 | 85.6 | | 68.0 | 76.9 | 93.2 | 84.4 | 75.4 | 940.0 | | 97.6 |
| 2 | 85.3 | | 67.5 | 76.5 | 93.0 | 84.0 | 74.3 | 920.0 | | 96.4 |
| 3 | 85.0 | | 67.0 | 76.1 | 92.9 | 83.6 | 74.2 | 900.0 | | 65.2 |
| 4 | 84.7 | | 65.4 | 75.5 | 92.7 | 83.1 | 73.6 | 880.0 | | 94.2 |
| 5 | 84.4 | | 65.9 | 75.3 | 92.5 | 82.7 | 73.1 | 860.0 | | 92.8 |
| 6 | 84.1 | | 65.3 | 74.8 | 92.3 | 82.2 | 72.2 | 840.0 | | 91.5 |
| 7 | 83.8 | | 64.7 | 74.3 | 92.1 | 81.7 | 71.8 | 820.0 | | 90.2 |
| 8 | 83.4 | | 64.0 | 73.8 | 91.8 | 81.1 | 71.0 | 800.0 | | 88.9 |
| 9 | 83.0 | | 63.3 | 73.3 | 91.5 | 80.4 | 70.2 | 780.0 | | 87.5 |
| 10 | 82.6 | | 62.5 | 72.6 | 91.2 | 79.7 | 69.4 | 760.0 | | 86.2 |
| 11 | 82.2 | | 61.8 | 72.1 | 91.0 | 79.1 | 68.6 | 740.0 | | 84.8 |
| 12 | 81.8 | | 61.0 | 71.5 | 90.7 | 78.4 | 67.7 | 720.0 | | 83.3 |
| 13 | 81.3 | | 60.1 | 70.8 | 90.3 | 77.6 | 66.7 | 700.0 | | 81.8 |
| 14 | 81.1 | | 59.7 | 70.5 | 90.1 | 77.2 | 66.2 | 690.0 | | 81.1 |
| 15 | 80.8 | | 59.2 | 70.1 | 89.8 | 76.8 | 65.7 | 680.0 | | 80.3 |
| 16 | 80.6 | | 58.8 | 69.8 | 89.7 | 76.4 | 65.3 | 670.0 | | 79.6 |
| 17 | 80.3 | | 58.3 | 69.4 | 89.5 | 75.9 | 64.7 | 660.0 | | 78.8 |
| 18 | 80.0 | | 57.8 | 69.0 | 89.2 | 75.5 | 64.1 | 650.0 | | 78.0 |
| 19 | 79.8 | | 57.3 | 68.7 | 89.0 | 75.1 | 63.5 | 640.0 | | 77.2 |
| 20 | 79.5 | | 56.8 | 68.3 | 88.8 | 74.6 | 63.0 | 630.0 | | 76.4 |
| 21 | 79.2 | | 56.3 | 67.9 | 88.5 | 74.2 | 62.4 | 620.0 | | 75.6 |
| 22 | 78.9 | | 55.7 | 67.5 | 88.2 | 73.6 | 61.7 | 610.0 | | 74.7 |
| 23 | 78.6 | | 55.2 | 67.0 | 88.0 | 73.2 | 61.2 | 600.0 | | 73.9 |
| 24 | 78.4 | | 54.7 | 66.7 | 87.8 | 72.7 | 60.5 | 590.0 | | 73.1 |
| 25 | 78.0 | | 54.1 | 66.2 | 87.5 | 72.1 | 59.9 | 580.0 | | 72.2 |
| 26 | 77.8 | | 53.6 | 65.8 | 87.2 | 71.7 | 59.3 | 570.0 | | 71.3 |
| 27 | 77.4 | | 53.0 | 65.4 | 86.9 | 71.2 | 58.6 | 560.0 | | 70.4 |
| 28 | 77.0 | | 52.3 | 64.8 | 86.6 | 70.5 | 57.8 | 550.0 | 505.0 | 69.6 |
| 29 | 76.7 | | 51.7 | 64.4 | 86.3 | 70.0 | 57.0 | 540.0 | 496.0 | 68.7 |
| 30 | 76.4 | | 51.1 | 63.9 | 86.0 | 69.5 | 56.2 | 530.0 | 488.0 | 67.7 |
| 31 | 76.1 | | 50.5 | 63.5 | 85.7 | 69.0 | 55.6 | 520.0 | 480.0 | 66.8 |
| 32 | 75.7 | | 49.8 | 62.9 | 85.4 | 68.3 | 54.7 | 510.0 | 473.0 | 65.9 |
| 33 | 75.3 | | 49.1 | 62.2 | 85.0 | 67.7 | 53.9 | 500.0 | 465.0 | 64.9 |
| 34 | 74.9 | | 48.4 | 61.6 | 84.7 | 67.1 | 53.1 | 490.0 | 456.0 | 64.0 |
| 35 | 74.5 | | 47.7 | 61.3 | 84.3 | 66.4 | 52.2 | 480.0 | 448.0 | 63.0 |
| 36 | 74.1 | | 46.8 | 60.7 | 83.9 | 65.7 | 51.3 | 470.0 | 441.0 | 62.0 |
| 37 | 76.6 | | 46.1 | 60.1 | 83.6 | 64.9 | 50.4 | 460.0 | 433.0 | 61.0 |
| 38 | 73.3 | | 45.3 | 59.4 | 83.2 | 64.3 | 49.4 | 450.0 | 425.0 | 60.0 |
| 39 | 72.8 | | 44.5 | 58.8 | 82.8 | 63.5 | 48.4 | 440.0 | 415.0 | 59.0 |
| 40 | 72.3 | | 43.6 | 58.2 | 82.3 | 62.7 | 47.4 | 430.0 | 405.0 | 58.0 |
| 41 | 71.8 | | 42.7 | 57.5 | 81.8 | 61.9 | 46.4 | 420.0 | 397.0 | 56.9 |
| 42 | 71.4 | | 41.8 | 56.8 | 81.4 | 61.1 | 45.3 | 410.0 | 388.0 | 55.9 |
| 43 | 70.8 | | 40.8 | 56.0 | 81.0 | 60.2 | 44.1 | 400.0 | 379.0 | 54.8 |
| 44 | 70.3 | | 39.8 | 55.2 | 80.3 | 59.3 | 42.9 | 390.0 | 369.0 | 53.7 |
| 45 | 69.8 | 110.0 | 38.8 | 54.4 | 79.8 | 58.4 | 41.7 | 380.0 | 360.0 | 52.6 |
| 46 | 69.2 | | 37.7 | 53.6 | 79.2 | 57.4 | 40.4 | 370.0 | 350.0 | 51.5 |
| 47 | 68.7 | 109.0 | 36.6 | 52.8 | 78.6 | 56.4 | 39.1 | 360.0 | 341.0 | 50.4 |
| 48 | 68.1 | | 35.5 | 51.9 | 78.0 | 55.4 | 37.8 | 350.0 | 331.0 | 49.3 |
| 49 | 67.6 | 108.0 | 34.4 | 51.1 | 77.4 | 54.4 | 36.5 | 340.0 | 322.0 | 48.1 |
| 50 | 67.0 | | 33.3 | 50.2 | 76.8 | 53.6 | 35.2 | 330.0 | 313.0 | 48.0 |
| 51 | 66.4 | 107.0 | 32.2 | 49.4 | 76.2 | 52.3 | 33.9 | 320.0 | 303.0 | 45.8 |
| 52 | 65.8 | | 31.0 | 48.4 | 75.6 | 51.3 | 32.5 | 310.0 | 294.0 | 44.6 |
| 53 | 65.2 | 105.5 | 29.8 | 47.5 | 74.9 | 50.2 | 31.1 | 300.0 | 284.0 | 43.4 |
| 54 | 64.8 | | 29.2 | 47.1 | 74.6 | 49.7 | 30.4 | 295.0 | 280.0 | 42.8 |
| 55 | 64.5 | 104.5 | 28.5 | 46.5 | 74.2 | 49.0 | 29.5 | 290.0 | 275.0 | 42.2 |
| 56 | 64.2 | | 27.8 | 46.0 | 73.8 | 48.4 | 28.7 | 285.0 | 270.0 | 41.6 |
| 57 | 63.8 | 103.5 | 27.1 | 45.3 | 73.4 | 47.8 | 27.9 | 280.0 | 265.0 | 40.9 |
| 58 | 63.5 | | 26.4 | 44.9 | 73.0 | 47.2 | 27.1 | 275.0 | 261.0 | 40.3 |
| 59 | 63.1 | 102.0 | 25.6 | 44.3 | 72.6 | 46.4 | 26.2 | 270.0 | 256.0 | 39.7 |
| 60 | 62.7 | | 24.8 | 43.7 | 72.1 | 45.7 | 25.2 | 265.0 | 252.0 | 39.0 |
| 61 | 62.4 | 101.0 | 24.0 | 43.1 | 71.6 | 45.0 | 24.3 | 260.0 | 247.0 | 38.4 |
| 62 | 62.0 | | 23.1 | 42.2 | 71.1 | 44.2 | 23.2 | 255.0 | 243.0 | 37.8 |
| 63 | 61.6 | 99.5 | 22.2 | 41.7 | 70.6 | 43.4 | 22.2 | 250.0 | 238.0 | 37.2 |
| 64 | 61.2 | | 21.3 | 41.1 | 70.1 | 42.5 | 21.1 | 245.0 | 233.0 | 36.5 |
| 65 | 60.7 | 98.1 | 20.3 | 40.3 | 69.6 | 41.7 | 19.9 | 240.0 | 228.0 | 35.9 |
| 66 | | 96.7 | 18.0 | | | | | 230.0 | 219.0 | 34.1 |
| 67 | | 95.0 | 15.7 | | | | | 220.0 | 209.0 | 33.2 |
| 68 | | 93.4 | 13.4 | | | | | 210.0 | 200.0 | 31.8 |
| 69 | | 91.5 | 11.0 | | | | | 200.0 | 190.0 | 30.4 |
| 70 | | 89.5 | 8.5 | | | | | 190.0 | 181.0 | 29.0 |
| 71 | | 87.1 | 6.0 | | | | | 180.0 | 171.0 | 27.7 |
| 72 | | 85.0 | 3.0 | | | | | 170.0 | 162.0 | 26.5 |
| 73 | | 81.7 | 0.0 | | | | | 160.0 | 152.0 | 25.0 |
| 74 | | 78.7 | | | | | | 150.0 | 143.0 | 23.7 |
| 75 | | 78.0 | | | | | | 140.0 | 133.0 | 22.1 |
| 76 | | 71.2 | | | | | | 130.0 | 124.0 | 20.6 |
| 77 | | 66.7 | | | | | | 120.0 | 114.0 | 19.1 |
| 78 | | 62.3 | | | | | | 110.0 | 105.0 | 17.6 |
| 79 | | 56.2 | | | | | | 100.0 | 95.0 | 16.1 |