

| No | ロックウェルC | ヒッカーズ | ブリネル硬さ<br>HB 10/3,000 |                        | ロックウェル |                     |        | ロックウェル<br>スーパー フィシャル |       |       | シヨア硬さ | 引張強さ<br>(近似値) | 硬度の一例        |              |
|----|---------|-------|-----------------------|------------------------|--------|---------------------|--------|----------------------|-------|-------|-------|---------------|--------------|--------------|
|    |         |       | 標準球                   | タングステン<br>カーボン 1/16" 球 | A      | B                   | D      | 15-N                 | 30-N  | 45-N  |       |               | HRC          | HV           |
|    |         |       |                       |                        | 60kgf  | 1/16" ボール<br>100kgf | 100kgf | 15kgf                | 30kgf | 45kgf |       |               |              |              |
|    |         |       |                       |                        | HRA    | HRB                 | HRD    | HS                   | MPa   |       |       |               |              |              |
| 1  | 68      | 940   | -                     | -                      | 85.6   | -                   | 76.9   | 93.2                 | 84.4  | 75.4  | 98    | -             |              |              |
| 2  | 67      | 900   | -                     | -                      | 85     | -                   | 76.1   | 92.9                 | 83.6  | 74.2  | 95.6  | -             |              |              |
| 3  | 66      | 865   | -                     | -                      | 84.5   | -                   | 75.4   | 92.5                 | 82.8  | 73.3  | 93.4  | -             |              | SKH51        |
| 4  | 65      | 832   | -                     | -739                   | 83.9   | -                   | 74.5   | 92.2                 | 81.9  | 72    | 91.2  | -             |              |              |
| 5  | 64      | 800   | -                     | -722                   | 83.4   | -                   | 73.8   | 91.8                 | 81.1  | 71    | 89    | -             |              | SKD11        |
| 6  | 63      | 772   | -                     | -705                   | 82.8   | -                   | 73     | 91.4                 | 80.1  | 69.9  | 87.1  | -             | SKH51        |              |
| 7  | 62      | 746   | -                     | -688                   | 82.3   | -                   | 72.2   | 91.1                 | 79.3  | 68.8  | 85.2  | -             |              |              |
| 8  | 61      | 720   | -                     | -670                   | 81.8   | -                   | 71.5   | 90.7                 | 78.4  | 67.7  | 83.3  | -             |              |              |
| 9  | 60      | 697   | -                     | -654                   | 81.2   | -                   | 70.7   | 90.2                 | 77.5  | 66.6  | 81.5  | -             | SKD11        | SKD11        |
| 10 | 59      | 674   | -                     | -634                   | 80.7   | -                   | 69.9   | 89.8                 | 76.6  | 65.5  | 79.7  | -             |              | シリコイ-XVI(AG) |
| 11 | 58      | 653   | -                     | 615                    | 80.1   | -                   | 69.2   | 89.3                 | 75.7  | 64.3  | 78.1  | -             | SUS440C      | SUS440C      |
| 12 | 57      | 633   | -                     | 595                    | 79.6   | -                   | 68.5   | 88.9                 | 74.8  | 63.2  | 76.4  | -             | シリコイ-XVI(AG) | スライトNo6      |
| 13 | 56      | 613   | -                     | 577                    | 79     | -                   | 67.7   | 88.3                 | 73.9  | 62    | 74.8  | -             |              | SKD61        |
| 14 | 55      | 595   | -                     | 560                    | 78.5   | -                   | 66.9   | 87.9                 | 73    | 60.9  | 73.2  | 2075          |              | シリコイ(AG)     |
| 15 | 54      | 577   | -                     | 543                    | 78     | -                   | 66.1   | 87.4                 | 72    | 59.8  | 71.7  | 2015          |              |              |
| 16 | 53      | 560   | -                     | 525                    | 77.4   | -                   | 65.4   | 86.9                 | 71.2  | 58.6  | 70.2  | 1950          | SKD61        | SUS420J2     |
| 17 | 52      | 544   | -500                  | 512                    | 76.8   | -                   | 64.6   | 86.4                 | 70.2  | 57.4  | 68.8  | 1880          | SUS420J2     | マルエーシング      |
| 18 | 51      | 528   | -487                  | 496                    | 76.3   | -                   | 63.8   | 85.9                 | 69.4  | 56.1  | 67.3  | 1820          | シリコイ(AG)     |              |
| 19 | 50      | 513   | -475                  | 481                    | 75.9   | -                   | 63.1   | 85.5                 | 68.5  | 55    | 65.9  | 1760          |              |              |
| 20 | 49      | 498   | -464                  | 469                    | 75.2   | -                   | 62.1   | 85                   | 67.6  | 53.8  | 64.5  | 1695          |              |              |
| 21 | 48      | 484   | 451                   | 455                    | 74.7   | -                   | 61.4   | 84.5                 | 66.7  | 52.5  | 63.1  | 1635          |              |              |
| 22 | 47      | 471   | 442                   | 443                    | 74.1   | -                   | 60.8   | 83.9                 | 65.8  | 51.4  | 61.9  | 1580          |              |              |
| 23 | 46      | 458   | 432                   | 432                    | 73.6   | -                   | 60     | 83.5                 | 64.8  | 50.3  | 60.6  | 1530          |              |              |
| 24 | 45      | 446   | 421                   | 421                    | 73.1   | -                   | 60     | 83                   | 64    | 49    | 59.4  | 1480          |              | SUS630       |
| 25 | 44      | 434   | 409                   | 409                    | 72.5   | -                   | 59.2   | 82.5                 | 63.1  | 47.8  | 58.2  | 1435          |              | (H900)       |
| 26 | 43      | 423   | 400                   | 400                    | 72     | -                   | 57.7   | 82                   | 62.2  | 46.7  | 57.1  | 1385          | SUS630       |              |
| 27 | 42      | 412   | 390                   | 390                    | 71.5   | -                   | 56.9   | 81.5                 | 61.3  | 45.5  | 55.9  | 1340          | (H900)       | シリコイ-XVI(ST) |
| 28 | 41      | 402   | 381                   | 381                    | 70.9   | -                   | 56.2   | 80.9                 | 60.4  | 44.3  | 54.9  | 1295          |              |              |
| 29 | 40      | 392   | 371                   | 371                    | 70.4   | -                   | 55.4   | 80.4                 | 59.5  | 43.1  | 53.8  | 1250          |              |              |
| 30 | 39      | 382   | 362                   | 362                    | 69.9   | -                   | 54.6   | 79.9                 | 58.6  | 41.9  | 52.7  | 1215          | シリコイ-XVI(ST) |              |
| 31 | 38      | 372   | 353                   | 353                    | 69.4   | -                   | 53.8   | 79.4                 | 57.7  | 40.8  | 51.6  | 1180          |              |              |
| 32 | 37      | 363   | 344                   | 344                    | 68.9   | -                   | 53.1   | 78.8                 | 56.8  | 39.6  | 50.6  | 1160          |              | シリコイ(ST)     |
| 33 | 36      | 354   | 336                   | 336                    | 68.4   | -109                | 52.3   | 78.3                 | 55.9  | 38.4  | 49.6  | 1115          |              | SUS630(ST)   |
| 34 | 35      | 345   | 327                   | 327                    | 67.9   | -108.5              | 51.5   | 77.7                 | 55    | 37.2  | 48.6  | 1080          |              |              |
| 35 | 34      | 336   | 319                   | 319                    | 67.4   | -108                | 50.8   | 77.2                 | 54.2  | 36.1  | 47.6  | 1055          | シリコイ(ST)     |              |
| 36 | 33      | 327   | 311                   | 311                    | 66.8   | -107.5              | 50     | 76.6                 | 53.3  | 34.9  | 46.6  | 1025          |              |              |
| 37 | 32      | 318   | 301                   | 301                    | 66.3   | -107                | 49.2   | 76.1                 | 52.1  | 33.7  | 45.5  | 1000          |              |              |
| 38 | 31      | 310   | 294                   | 294                    | 65.8   | -106                | 48.4   | 75.6                 | 51.3  | 32.5  | 44.6  | 980           | SUS630(ST)   |              |
| 39 | 30      | 302   | 286                   | 286                    | 65.3   | -105.5              | 47.7   | 75                   | 50.4  | 31.3  | 43.6  | 950           |              |              |
| 40 | 29      | 294   | 279                   | 279                    | 64.7   | -104.5              | 47     | 74.5                 | 49.5  | 30.1  | 42.7  | 930           |              |              |
| 41 | 28      | 286   | 271                   | 271                    | 64.3   | -104                | 46.1   | 73.9                 | 48.6  | 28.9  | 41.7  | 910           |              |              |
| 42 | 27      | 279   | 264                   | 264                    | 63.8   | -103                | 45.2   | 73.3                 | 47.7  | 27.8  | 40.9  | 880           |              |              |
| 43 | 26      | 272   | 258                   | 258                    | 63.3   | -102.5              | 44.6   | 72.8                 | 46.8  | 26.7  | 40    | 860           |              |              |
| 44 | 25      | 266   | 253                   | 253                    | 62.8   | -101.5              | 43.8   | 72.2                 | 45.9  | 25.5  | 39.3  | 840           |              | S45C         |
| 45 | 24      | 260   | 247                   | 247                    | 62.4   | -101                | 43.1   | 71.6                 | 45    | 24.3  | 38.5  | 825           |              |              |
| 46 | 23      | 254   | 243                   | 243                    | 62     | 100                 | 42.1   | 71                   | 44    | 23.1  | 37.7  | 805           |              | シリコイ         |
| 47 | 22      | 248   | 237                   | 237                    | 61.5   | 99                  | 41.6   | 70.5                 | 43.2  | 22    | 37    | 785           |              | SUS303       |
| 48 | 21      | 243   | 231                   | 231                    | 61     | 98.5                | 40.9   | 69.9                 | 42.3  | 20.7  | 36.4  | 770           |              |              |
| 49 | 20      | 238   | 226                   | 226                    | 60.5   | 97.8                | 40.1   | 69.4                 | 41.5  | 19.6  | 35.7  | 760           |              |              |
| 50 | -18     | 230   | 219                   | 219                    | -      | 96.7                | -      | -                    | -     | -     | 34.7  | 730           |              |              |
| 51 | -16     | 222   | 212                   | 212                    | -      | 95.5                | -      | -                    | -     | -     | 33.6  | 705           |              | シリコイ-D       |
| 52 | -14     | 213   | 203                   | 203                    | -      | 93.9                | -      | -                    | -     | -     | 32.4  | 675           |              | SUS304       |
| 53 | -12     | 204   | 194                   | 194                    | -      | 92.3                | -      | -                    | -     | -     | 31.2  | 650           |              | SUS316L      |
| 54 | -10     | 196   | 187                   | 187                    | -      | 90.7                | -      | -                    | -     | -     | 30.2  | 620           |              |              |
| 55 | -8      | 188   | 179                   | 179                    | -      | 89.5                | -      | -                    | -     | -     | 28    | 600           |              |              |
| 56 | -6      | 180   | 171                   | 171                    | -      | 87.1                | -      | -                    | -     | -     | 26    | 580           |              | SUS430       |
| 57 | -4      | 173   | 165                   | 165                    | -      | 85.5                | -      | -                    | -     | -     | 25    | 550           |              |              |
| 58 | -2      | 166   | 158                   | 158                    | -      | 83.5                | -      | -                    | -     | -     | -     | 530           |              |              |
| 59 | 0       | 160   | 152                   | 152                    | -      | 81.7                | -      | -                    | -     | -     | 24    | 515           |              |              |
| 60 | -       | 150   | 143                   | 143                    | -      | 78.7                | -      | -                    | -     | -     | 22    | 490           |              |              |
| 61 | -       | 140   | 133                   | 133                    | -      | 75                  | -      | -                    | -     | -     | 21    | 455           |              |              |
| 62 | -       | 130   | 124                   | 124                    | -      | 71.2                | -      | -                    | -     | -     | 20    | 425           |              |              |
| 63 | -       | 120   | 114                   | 114                    | -      | 66.7                | -      | -                    | -     | -     | -     | 390           |              |              |