

MICRON ALLOY CASTINGS LTD

HARDNESS COMPARISON CHART WITH EQUIVALENT TENSILE STRENGTHS
Brinell Hardness Vickers Hardness Rockwell C Equiv. Rm

| BHN | HV | HRC | Tonf/in ² | Equiv N/mm ² |
|-----|-----|------|----------------------|-------------------------|
| 601 | 640 | 57 | - | - |
| 578 | 615 | 56 | - | - |
| 555 | 591 | 54.5 | - | - |
| 534 | 569 | 53.5 | - | - |
| 514 | 547 | 52 | - | - |
| 495 | 528 | 51 | - | - |
| 477 | 508 | 49.5 | - | - |
| 461 | 491 | 48.5 | 101 | 1569 |
| 444 | 474 | 47 | 98 | 1520 |
| 429 | 455 | 45.5 | 95 | 1471 |
| 415 | 440 | 44.5 | 92 | 1422 |
| 401 | 425 | 43 | 88 | 1363 |
| 388 | 410 | 42 | 85 | 1314 |
| 375 | 396 | 40.5 | 82 | 1265 |
| 363 | 383 | 39 | 80 | 1236 |
| 352 | 372 | 38 | 77 | 1187 |
| 341 | 360 | 36.5 | 75 | 1157 |
| 331 | 350 | 35.5 | 73 | 1118 |
| 321 | 339 | 34.5 | 71 | 1089 |
| 311 | 328 | 33 | 68 | 1049 |
| 302 | 319 | 32 | 66 | 1020 |
| 293 | 309 | 31 | 64 | 990 |
| 285 | 301 | 30 | 63 | 971 |
| 277 | 292 | 29 | 61 | 941 |
| 269 | 284 | 27.5 | 59 | 912 |
| 262 | 276 | 26.5 | 58 | 892 |
| 255 | 269 | 25.5 | 56 | 873 |
| 248 | 261 | 24 | 55 | 853 |
| 241 | 253 | 23 | 53 | 824 |
| 235 | 247 | 22 | 51 | 794 |
| 229 | 241 | 20.5 | 50 | 775 |
| 223 | 235 | - | 49 | 755 |
| 217 | 228 | - | 48 | 745 |
| 212 | 223 | - | 46 | 716 |
| 207 | 218 | - | 45 | 696 |
| 197 | 208 | - | 43 | 667 |
| 187 | 197 | - | 41 | 637 |
| 179 | 189 | - | 39 | 608 |
| 170 | 179 | - | 36 | 559 |
| 163 | 172 | - | 35 | 539 |
| 156 | 165 | - | 34 | 530 |
| 149 | 157 | - | 32 | 500 |
| 143 | 150 | - | 31 | 481 |
| 137 | 144 | - | 31 | 481 |
| 131 | 138 | - | 30 | 461 |
| 126 | 133 | - | 29 | 451 |
| 121 | 127 | - | 28 | 431 |
| 116 | 122 | - | 27 | 422 |
| 111 | 117 | - | 26 | 402 |
| 107 | 113 | - | 25 | 382 |
| 103 | 108 | - | 24 | 373 |