无抗冲切钢筋的RC板柱节点冲切试验数据集

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 数据来源 | 试件编号 | a /mm |  |  |  |  |
| 邬林锋[1] | PG1 | 300 | 150.00 | 0.86 | 26.36 | 650.00 |
| PG2 | 300 | 150.00 | 1.28 | 26.43 | 740.00 |
| PS1 | 300 | 150.00 | 0.86 | 40.28 | 680.00 |
| PS2 | 300 | 150.00 | 1.28 | 42.56 | 880.00 |
| 周凯[2] | C | 80 | 50.00 | 1.74 | 34.20 | 103.80 |
| 邓清[3] | SC1 | 300 | 150.00 | 0.71 | 31.50 | 489.60 |
| SC2 | 300 | 150.00 | 0.93 | 33.20 | 600.00 |
| SC3 | 300 | 150.00 | 1.71 | 32.30 | 661.80 |
| SC4 | 300 | 150.00 | 0.71 | 41.60 | 573.70 |
| SC5 | 300 | 150.00 | 0.93 | 43.70 | 649.40 |
| SC6 | 300 | 150.00 | 1.71 | 44.90 | 761.40 |
| 何芳[4] | A-10-1 | 100 | 105.00 | 0.64 | 26.74 | 205.80 |
| A-20-2 | 200 | 105.00 | 0.64 | 26.74 | 329.28 |
| 易伟建等[5] | C7-30-3 | 250 | 150.00 | 1.73 | 27.03 | 690.00 |
| C7-50-3 | 250 | 150.00 | 1.73 | 36.01 | 805.00 |
| C7-70-3 | 250 | 150.00 | 1.73 | 48.03 | 860.00 |
| C7-70-2 | 250 | 150.00 | 1.28 | 49.65 | 785.00 |
| C7-70-1 | 250 | 150.00 | 0.86 | 50.62 | 610.00 |
| 易伟建等[6] | SH1 | 250 | 150.00 | 1.28 | 20.90 | 503.40 |
| SL1 | 250 | 150.00 | 0.86 | 22.80 | 507.10 |
| 赵晋等[7] | S5-1 | 250 | 150.00 | 0.86 | 23.71 | 518.00 |
| S5-2 | 250 | 150.00 | 1.28 | 24.93 | 612.00 |
| S7-1 | 250 | 150.00 | 0.86 | 23.10 | 535.00 |
| S7-2 | 250 | 150.00 | 1.28 | 21.43 | 556.00 |
| 彭检[8] | C5-30-1 | 250 | 150.00 | 0.86 | 26.43 | 678 |
| C5-30-2 | 250 | 150.00 | 1.28 | 25.80 | 692 |
| C5-50-1 | 250 | 150.00 | 0.86 | 34.80 | 691 |
| C5-50-2 | 250 | 150.00 | 1.28 | 34.00 | 855 |
| C7-30-1 | 250 | 150.00 | 0.86 | 24.50 | 443 |
| C7-30-2 | 250 | 150.00 | 1.28 | 22.60 | 570 |
| C7-50-1 | 250 | 150.00 | 0.86 | 39.40 | 693 |
| C7-50-2 | 250 | 150.00 | 1.28 | 35.90 | 771 |
| 张元伟[9] | A20-1 | 250 | 98.00 | 1.57 | 32.20 | 356 |
| A20-2 | 250 | 128.00 | 1.2 | 32.90 | 470 |
| A20-3 | 250 | 158.00 | 0.97 | 34.30 | 646 |
| A20-4 | 250 | 88.00 | 1.75 | 27.90 | 408 |
| A35-1 | 350 | 98.00 | 1.57 | 31.40 | 360 |
| A35-2 | 250 | 99.00 | 1.14 | 37.80 | 357 |
| A35-3 | 250 | 100.00 | 0.79 | 40.20 | 293 |
| A50-1 | 250 | 98.00 | 1.57 | 44.30 | 412 |
| A50-2 | 250 | 99.00 | 1.14 | 44.70 | 354 |
| 黄小坤等[10] | BAN105 | 200 | 168.00 | 0.5 | 30.25 | 586.6 |
| BAN113 | 200 | 164.00 | 1.3 | 29.79 | 805.3 |
| BAN105(I) | 200 | 168.00 | 0.5 | 28.35 | 522.3 |
| BAN113(I) | 200 | 164.00 | 1.3 | 26.68 | 796.8 |
| 安玉杰等[11] | A-1 | 200 | 98.00 | 1.24 | 29.49 | 274 |
| A-2 | 200 | 98.00 | 1.32 | 31.54 | 277 |
| A-3 | 200 | 98.00 | 1.32 | 21.20 | 249 |
| A4 | 200 | 88.00 | 0.91 | 29.49 | 240 |
| A-5 | 200 | 98.00 | 0.58 | 19.15 | 170 |
| 郑建岚[12] | J-1 | 250 | 125.00 | 1.06 | 26.00 | 450 |
| J-3 | 250 | 125.00 | 0.96 | 26.00 | 427 |
| J-4 | 250 | 80.00 | 1.32 | 43.10 | 302 |
| J-5 | 250 | 95.00 | 1.32 | 27.50 | 307 |
| J-6 | 250 | 95.00 | 1.06 | 27.50 | 306 |
| 李定国等[13] | A1 | 250 | 59.00 | 0.505 | 16.66 | 42.5 |
| A1y | 250 | 59.00 | 0.505 | 15.39 | 40 |
| A2 | 250 | 57.00 | 0.811 | 19.96 | 70 |
| A3 | 250 | 57.00 | 0.989 | 15.99 | 82.5 |
| A4 | 250 | 57.00 | 1.179 | 16.66 | 95.5 |
| A4y | 250 | 55.00 | 1.221 | 18.54 | 85 |
| A5 | 250 | 55.00 | 1.765 | 18.39 | 118 |
| B1a | 250 | 77.00 | 0.482 | 15.99 | 70 |
| B2 | 250 | 77.00 | 0.781 | 14.63 | 117.5 |
| B3 | 250 | 75.00 | 1.001 | 14.63 | 132.5 |
| B4b | 250 | 75.00 | 1.231 | 14.41 | 141.5 |
| B5 | 250 | 75.00 | 1.657 | 18.39 | 216 |
| C1 | 250 | 100.00 | 0.489 | 17.41 | 127.5 |
| C2 | 250 | 95.00 | 0.812 | 16.14 | 162 |
| C3 | 250 | 100.00 | 0.978 | 17.79 | 239 |
| C4 | 250 | 95.00 | 1.214 | 17.79 | 248.5 |
| C5 | 250 | 94.00 | 1.654 | 18.39 | 278 |
| C6 | 250 | 89.00 | 2.14 | 16.06 | 390 |
| D1 | 250 | 125.00 | 0.504 | 16.21 | 174 |
| D1v | 250 | 127.00 | 0.496 | 16.89 | 225 |
| D2b | 250 | 125.00 | 0.811 | 16.21 | 286 |
| D3b | 250 | 127.00 | 0.975 | 16.89 | 292 |
| D4a | 250 | 125.00 | 1.21 | 18.16 | 446 |
| D4b | 250 | 125.00 | 1.191 | 18.01 | 324 |
| D4y | 250 | 123.00 | 1.233 | 21.39 | 460 |
| D6 | 250 | 121.00 | 1.42 | 18.39 | 515 |
| D7 | 250 | 121.00 | 1.74 | 18.84 | 550 |
| D8 | 250 | 119.00 | 1.6 | 27.02 | 600 |
| D9 | 250 | 121.00 | 1.6 | 25.37 | 660 |
| Dam等[14] | S08C | 305 | 219.00 | 0.87 | 38.20 | 1030 |
| Gosav等[15] | AG1 | 300 | 157.00 | 1.25 | 26.70 | 495 |
| Einpaul等[16] | PE12 | 212 | 212.00 | 0.76 | 34.90 | 1206 |
| PE11 | 166 | 215.00 | 0.75 | 34.80 | 712 |
| PE10 | 83 | 210.00 | 0.77 | 37.80 | 530 |
| PE9 | 330 | 218.00 | 0.74 | 39.70 | 935 |
| PE8 | 330 | 214.00 | 1.47 | 37.90 | 1091 |
| PE7 | 166 | 213.00 | 1.47 | 38.30 | 871 |
| PE6 | 83 | 215.00 | 1.46 | 35.50 | 656 |
| PE5 | 660 | 210.00 | 1.5 | 34.20 | 1476 |
| PE4 | 260 | 197.00 | 1.59 | 33.43 | 985 |
| PE3 | 260 | 204.00 | 1.54 | 32.57 | 961 |
| Wörle[17] | P01 | 300 | 155.00 | 2.24 | 35.00 | 612 |
| Ferreira等[18] | S5 | 300 | 143.00 | 1.48 | 45.00 | 779 |
| Inácio等[19] | SNSC | 200 | 105.00 | 1 | 33.60 | 289.2 |
| SHSC1 | 200 | 104.20 | 0.94 | 100.70 | 412.9 |
| SHSC2 | 200 | 101.60 | 1.24 | 104.30 | 429 |
| SHSC3 | 200 | 101.70 | 1.48 | 103.90 | 460.9 |
| Lips等[20] | PL1 | 130 | 193.00 | 1.63 | 35.30 | 682 |
| PV1 | 260 | 210.00 | 1.5 | 33.50 | 974 |
| PL3 | 520 | 197.00 | 1.59 | 35.50 | 1324 |
| PL4 | 340 | 267.00 | 1.58 | 30.50 | 1625 |
| PL5 | 440 | 353.00 | 1.5 | 31.70 | 2491 |
| Heinzmann等[21] | SP1 | 400 | 294.00 | 1.2 | 31.80 | 1710 |
| Rizk等[22] | NSC1 | 250 | 162.50 | 0.52 | 31.20 | 479 |
| NSC2 | 250 | 157.50 | 2.17 | 32.80 | 678 |
| HSC1 | 250 | 162.50 | 0.65 | 50.70 | 675 |
| HSC2 | 250 | 160.00 | 0.98 | 51.40 | 798 |
| HSC3 | 250 | 157.50 | 1.13 | 51.40 | 811 |
| HSC4 | 250 | 157.50 | 1.67 | 55.00 | 802 |
| HSC5 | 250 | 137.50 | 2.48 | 56.40 | 788 |
| HSC6 | 250 | 127.50 | 2.68 | 57.10 | 801 |
| NSC3 | 250 | 105.00 | 0.4 | 32.30 | 228 |
| HSC7 | 250 | 112.50 | 1.88 | 57.10 | 481 |
| Guidotti等[23] | PT22 | 260 | 196.00 | 0.82 | 56.51 | 989 |
| PT31 | 260 | 212.00 | 1.48 | 55.71 | 1433 |
| PG19 | 260 | 206.00 | 0.78 | 43.05 | 860 |
| PG20 | 260 | 201.00 | 1.56 | 48.19 | 1094 |
| PG23 | 260 | 199.00 | 0.81 | 38.27 | 839 |
| PG24 | 260 | 194.00 | 1.61 | 37.12 | 1102 |
| Guandalini[24] | PG-1 | 260 | 210.00 | 1.5 | 27.70 | 1023 |
| PG-2b | 260 | 210.00 | 0.25 | 38.40 | 440 |
| PG-4 | 260 | 210.00 | 0.25 | 32.00 | 408 |
| PG-10 | 260 | 210.00 | 0.33 | 28.50 | 540 |
| PG-5 | 260 | 210.00 | 0.33 | 29.30 | 550 |
| PG-6 | 130 | 96.00 | 1.5 | 34.10 | 238 |
| PG-7 | 130 | 100.00 | 0.75 | 34.10 | 241 |
| PG-8 | 130 | 117.00 | 0.28 | 34.10 | 140 |
| PG-9 | 130 | 117.00 | 0.22 | 34.10 | 115 |
| Birkle[25] | 1 | 250 | 124.00 | 1.54 | 32.90 | 483 |
| 7 | 300 | 190.00 | 1.3 | 32.00 | 825 |
| 10 | 350 | 260.00 | 1.1 | 28.90 | 1046 |
| Park等[26] | S1 | 250 | 90.00 | 1.06 | 24.61 | 230 |
| S2 | 250 | 90.00 | 2 | 26.03 | 316.8 |
| S3 | 250 | 130.00 | 0.98 | 24.61 | 443.2 |
| Ozden等[27] | NR1E0F0 | 200 | 100.00 | 0.73 | 20.52 | 188 |
| NR2E0F0 | 200 | 100.00 | 1.09 | 19.00 | 202 |
| HR1E0F0 | 200 | 100.00 | 1.49 | 61.20 | 331 |
| HR1E0F0r | 200 | 100.00 | 1.49 | 62.40 | 371 |
| HR2E0F0 | 200 | 100.00 | 2.26 | 54.89 | 405 |
| HR2E0F0r | 200 | 100.00 | 2.26 | 62.15 | 489 |
| Timm[28] | Ti-1A | 175 | 172.00 | 1.24 | 38.66 | 789 |
| Ti-2A | 175 | 172.00 | 1.24 | 34.20 | 668 |
| Ti-3A | 250 | 246.00 | 1.19 | 31.16 | 1356 |
| El-Ghandour 等[29] | SG1 | 200 | 141.50 | 0.2 | 30.00 | 170 |
| SC1 | 200 | 141.50 | 0.2 | 30.75 | 229 |
| SG2 | 200 | 142.00 | 0.45 | 43.50 | 271 |
| SG3 | 200 | 142.00 | 0.45 | 28.50 | 237 |
| SC2 | 200 | 142.00 | 0.45 | 27.75 | 317 |
| Oliveira等[30] | L1A | 120 | 107.00 | 1.09 | 52.44 | 240 |
| L1B | 120 | 108.00 | 1.08 | 54.28 | 322 |
| L1C | 120 | 107.00 | 1.09 | 54.28 | 318 |
| Ospina等[31] | SR-1 | 250 | 120.00 | 0.87 | 34.30 | 365 |
| Harajli等[32] | SA1 | 100 | 55.00 | 1 | 30.31 | 49.2 |
| SA2 | 100 | 55.00 | 1 | 33.73 | 60.5 |
| SB1 | 100 | 75.00 | 1.07 | 33.73 | 79 |
| SB2 | 100 | 75.00 | 1.5 | 27.65 | 122 |
| Li[33] | P100 | 200 | 100.00 | 0.97 | 37.43 | 330 |
| P150 | 200 | 150.00 | 0.88 | 37.43 | 583 |
| P200 | 200 | 200.00 | 0.83 | 37.43 | 904 |
| P300 | 200 | 300.00 | 0.76 | 37.43 | 1381 |
| P400 | 300 | 400.00 | 0.76 | 37.43 | 2224 |
| P500 | 300 | 500.00 | 0.76 | 37.43 | 2681 |
| Matthys等[34] | R1 | 150 | 90.00 | 0.58 | 31.82 | 240 |
| R1' | 230 | 90.00 | 0.58 | 31.82 | 265 |
| R2 | 150 | 88.00 | 1.29 | 33.34 | 294 |
| R3 | 150 | 86.00 | 1.79 | 33.34 | 313 |
| McHarg等[35] | NU | 225 | 125.00 | 1.1 | 28.50 | 306 |
| NB | 225 | 125.00 | 2.2 | 28.50 | 349 |
| Ozawa等[36] | LA1 | 100 | 60.00 | 1.1 | 37.05 | 120 |
| LA21 | 100 | 60.00 | 1.95 | 37.05 | 170 |
| LB1 | 100 | 75.00 | 1.5 | 27.64 | 180 |
| Ghannoum[37] | S1-U | 225 | 109.00 | 0.96 | 34.60 | 301 |
| S2-U | 225 | 109.00 | 0.96 | 48.50 | 363 |
| S3-U | 225 | 109.00 | 0.96 | 55.00 | 443 |
| Sistonen[38] | L1 | 202 | 172.00 | 0.46 | 31.07 | 503 |
| L2 | 202 | 176.00 | 0.45 | 31.07 | 537 |
| L3 | 201 | 173.00 | 0.45 | 31.07 | 530 |
| L4 | 402 | 170.00 | 0.67 | 31.07 | 686 |
| L5 | 399 | 172.00 | 0.66 | 31.07 | 696 |
| L6 | 406 | 175.00 | 0.65 | 31.07 | 799 |
| L7 | 201 | 177.00 | 0.64 | 22.90 | 478 |
| L8 | 899 | 174.00 | 1.16 | 22.90 | 1111 |
| L9 | 897 | 172.00 | 1.17 | 22.90 | 1107 |
| L10 | 901 | 173.00 | 1.16 | 22.90 | 1079 |
| Ramdane[39] | 1 | 150 | 98.00 | 0.58 | 78.69 | 224 |
| 2 | 150 | 98.00 | 0.58 | 51.10 | 212 |
| 3 | 150 | 98.00 | 0.58 | 25.20 | 169 |
| 4 | 150 | 98.00 | 0.58 | 53.40 | 233 |
| 5 | 150 | 98.00 | 0.58 | 50.92 | 190 |
| 6 | 150 | 98.00 | 0.58 | 90.80 | 233 |
| 12 | 150 | 98.00 | 1.28 | 54.96 | 319 |
| 13 | 150 | 98.00 | 1.28 | 40.88 | 297 |
| 14 | 150 | 98.00 | 1.28 | 55.33 | 341 |
| 15 | 150 | 98.00 | 1.28 | 61.00 | 276 |
| 16 | 150 | 98.00 | 1.28 | 87.75 | 362 |
| 21 | 150 | 98.00 | 1.28 | 39.30 | 286 |
| 22 | 150 | 98.00 | 1.28 | 75.12 | 405 |
| 24 | 150 | 98.00 | 1.28 | 41.85 | 270 |
| 23 | 150 | 100.00 | 0.87 | 51.32 | 241 |
| 25 | 150 | 100.00 | 1.27 | 30.82 | 244 |
| 26 | 150 | 100.00 | 1.27 | 35.25 | 294 |
| 27 | 150 | 102.00 | 1.03 | 31.57 | 227 |
| Hallgren[40] | HSC0 | 250 | 200.00 | 0.8 | 84.67 | 965 |
| HSC1 | 250 | 200.00 | 0.8 | 85.61 | 1021 |
| HSC2 | 250 | 194.00 | 0.82 | 80.36 | 889 |
| HSC4 | 250 | 200.00 | 1.19 | 85.89 | 1041 |
| HSC6 | 250 | 201.00 | 0.6 | 102.02 | 960 |
| Banthia等[41] | IV | 100 | 55.00 | 0.31 | 38.95 | 60 |
| Urban[42] | Pm 1/1-0.8 | 160 | 98.00 | 0.8 | 31.20 | 210 |
| P 1/1-0.8 | 200 | 95.00 | 0.83 | 32.90 | 220 |
| Pd 1/1-0.8 | 360 | 104.00 | 0.76 | 34.30 | 280 |
| Pd 1/1-1.5 | 320 | 99.00 | 1.36 | 31.10 | 360 |
| Theodorakopo-ulos等[36] | FS-1 | 150 | 100.00 | 0.56 | 30.20 | 174 |
| FS-19 | 150 | 100.00 | 0.37 | 29.50 | 137 |
| FS-8 | 100 | 100.00 | 0.56 | 31.20 | 150 |
| FS-10 | 200 | 100.00 | 0.56 | 31.00 | 191 |
| Tomaszewicz  [36] | ND65-1-1 | 200 | 275.00 | 1.49 | 55.30 | 2050 |
| ND65-2-1 | 150 | 200.00 | 1.75 | 60.10 | 1200 |
| ND95-1-1 | 200 | 275.00 | 1.49 | 70.40 | 2250 |
| ND95-1-3 | 200 | 275.00 | 2.55 | 75.70 | 2400 |
| ND95-2-3 | 150 | 200.00 | 2.62 | 75.30 | 1450 |
| ND95-2-3D | 150 | 200.00 | 2.62 | 67.60 | 1250 |
| ND95-3-1 | 100 | 88.00 | 1.84 | 71.60 | 330 |
| ND115-1-1 | 200 | 275.00 | 1.49 | 94.30 | 2450 |
| ND115-2-1 | 150 | 200.00 | 1.75 | 100.20 | 1400 |
| ND115-2-3 | 150 | 200.00 | 2.62 | 91.00 | 1550 |
| Alexander等[44] | P11S150 | 200 | 134.00 | 0.5 | 31.54 | 257 |
| P38S150 | 200 | 107.00 | 0.62 | 33.82 | 263 |
| P19S150 | 200 | 124.70 | 0.54 | 24.70 | 258 |
| P19RE | 200 | 124.70 | 0.54 | 33.53 | 304 |
| Marzouk等[45] | NS1 | 150 | 95.00 | 1.47 | 37.90 | 320 |
| HS2 | 150 | 95.00 | 0.84 | 57.10 | 249 |
| HS3 | 150 | 95.00 | 1.47 | 57.20 | 356 |
| HS4 | 150 | 95.00 | 2.37 | 54.30 | 418 |
| NS2 | 150 | 120.00 | 0.94 | 28.50 | 400 |
| HS6 | 150 | 120.00 | 0.94 | 57.10 | 489 |
| HS7 | 150 | 95.00 | 1.19 | 60.30 | 356 |
| HS8 | 150 | 120.00 | 1.11 | 56.40 | 436 |
| HS9 | 150 | 120.00 | 1.61 | 59.30 | 543 |
| HS10 | 150 | 120.00 | 2.33 | 64.10 | 645 |
| HS12 | 150 | 70.00 | 1.52 | 60.10 | 258 |
| HS13 | 150 | 70.00 | 2 | 55.70 | 267 |
| HS14 | 150 | 95.00 | 1.47 | 58.70 | 498 |
| Gardner[46] | 1 | 102 | 38.10 | 2.01 | 13.15 | 78 |
| 2 | 102 | 38.10 | 2.01 | 13.15 | 36 |
| 3 | 51 | 38.10 | 2.01 | 13.15 | 24 |
| 5 | 102 | 38.10 | 2.01 | 13.15 | 33 |
| 6 | 152 | 38.10 | 2.01 | 13.15 | 49 |
| 8 | 102 | 72.60 | 2.01 | 22.93 | 129 |
| 9 | 102 | 72.60 | 2.01 | 21.48 | 136 |
| 11 | 152 | 113.30 | 2.14 | 21.48 | 311 |
| 12 | 152 | 113.30 | 2.14 | 23.58 | 357 |
| 13 | 203 | 121.56 | 0.66 | 23.58 | 271 |
| 14 | 203 | 72.53 | 5.01 | 23.75 | 202 |
| 15 | 152 | 80.79 | 1.5 | 23.75 | 160 |
| 16 | 152 | 85.72 | 0.45 | 22.01 | 107 |
| 18 | 203 | 33.17 | 7.3 | 20.96 | 89 |
| 19 | 203 | 123.32 | 0.47 | 20.96 | 271 |
| 20 | 203 | 113.30 | 2.14 | 14.31 | 278 |
| 21 | 203 | 121.56 | 0.66 | 15.29 | 230 |
| 22 | 152 | 72.53 | 5.01 | 12.51 | 154 |
| 23 | 152 | 80.79 | 1.5 | 13.78 | 108 |
| 24 | 152 | 85.72 | 0.45 | 13.36 | 69 |
| 25 | 203 | 121.56 | 0.66 | 49.47 | 306 |
| 26 | 203 | 72.53 | 5.01 | 49.47 | 323 |
| 27 | 152 | 80.79 | 1.5 | 49.47 | 243 |
| 28 | 152 | 85.72 | 0.45 | 49.47 | 148 |
| 29 | 203 | 38.10 | 2.01 | 49.47 | 74 |
| 30 | 152 | 38.10 | 2.01 | 49.47 | 70 |
| Lovrovich等[47] | F1 | 102 | 82.55 | 1.75 | 37.99 | 479 |
| F2 | 102 | 82.55 | 1.75 | 37.99 | 204 |
| F3 | 102 | 82.55 | 1.75 | 37.99 | 149 |
| F4 | 102 | 82.55 | 1.75 | 37.99 | 129 |
| Tolf[36] | S2.1 | 250 | 200.00 | 0.8 | 23.00 | 603 |
| S2.2 | 250 | 199.00 | 0.8 | 21.70 | 600 |
| S2.3 | 250 | 200.00 | 0.34 | 24.10 | 489 |
| S2.4 | 250 | 197.00 | 0.35 | 23.00 | 444 |
| S1.1 | 250 | 100.00 | 0.8 | 27.10 | 216 |
| S1.2 | 125 | 99.00 | 0.8 | 21.70 | 194 |
| S1.3 | 125 | 98.00 | 0.4 | 25.30 | 145 |
| S1.4 | 125 | 99.00 | 0.4 | 23.90 | 148 |
| Rankin等[48] | 1 | 100 | 40.50 | 0.42 | 29.18 | 36 |
| 2 | 100 | 40.50 | 0.56 | 29.18 | 49 |
| 3 | 100 | 40.50 | 0.69 | 29.18 | 57 |
| 4 | 100 | 40.50 | 0.82 | 33.06 | 56 |
| 5 | 100 | 40.50 | 0.88 | 33.06 | 57 |
| 6 | 100 | 40.50 | 1.03 | 33.06 | 66 |
| 7 | 100 | 40.50 | 1.16 | 28.20 | 71 |
| 8 | 100 | 40.50 | 1.29 | 28.20 | 71 |
| 9 | 100 | 40.50 | 1.45 | 28.20 | 79 |
| 10 | 100 | 40.50 | 0.52 | 28.42 | 44 |
| 11 | 100 | 40.50 | 0.8 | 28.42 | 55 |
| 12 | 100 | 40.50 | 1.11 | 28.42 | 67 |
| 13 | 100 | 40.50 | 0.6 | 32.30 | 49 |
| 14 | 100 | 40.50 | 0.69 | 32.30 | 52 |
| 15 | 100 | 40.50 | 1.99 | 32.30 | 85 |
| 1A | 100 | 46.50 | 0.44 | 27.36 | 45 |
| 2A | 100 | 46.50 | 0.69 | 27.36 | 66 |
| 3A | 100 | 46.50 | 1.29 | 27.36 | 90 |
| 4A | 100 | 46.50 | 1.99 | 29.34 | 97 |
| 18 | 100 | 35.00 | 0.42 | 35.80 | 29 |
| 2B | 100 | 35.00 | 0.69 | 35.80 | 38 |
| 3B | 100 | 35.00 | 1.29 | 35.80 | 57 |
| 4B | 100 | 35.00 | 1.99 | 29.34 | 73 |
| 1C | 100 | 53.50 | 0.42 | 26.45 | 63 |
| 2C | 100 | 53.50 | 0.69 | 30.78 | 88 |
| 3C | 100 | 53.50 | 1.29 | 30.78 | 124 |
| 4C | 100 | 53.50 | 1.96 | 26.45 | 126 |
| Regan[49] | I/1 | 200 | 77.00 | 1.2 | 24.47 | 194 |
| I/2 | 200 | 77.00 | 1.2 | 22.27 | 176 |
| I/3 | 200 | 77.00 | 0.92 | 26.07 | 194 |
| I/5 | 200 | 79.00 | 0.75 | 26.75 | 165 |
| I/6 | 200 | 79.00 | 0.75 | 20.82 | 160 |
| I/7 | 200 | 79.00 | 0.8 | 28.88 | 186 |
| II/1 | 250 | 200.00 | 0.98 | 33.14 | 825 |
| II/2 | 160 | 128.00 | 0.98 | 31.62 | 390 |
| II/5 | 80 | 64.00 | 0.98 | 32.60 | 105 |
| III/1 | 150 | 95.00 | 0.8 | 22.04 | 197 |
| III/2 | 150 | 95.00 | 0.8 | 9.04 | 123 |
| III/3 | 150 | 95.00 | 0.8 | 35.95 | 214 |
| III/4 | 150 | 95.00 | 1.5 | 11.32 | 154 |
| III/5 | 150 | 93.00 | 1.5 | 25.46 | 214 |
| III/6 | 150 | 93.00 | 1.5 | 40.51 | 248 |
| V/1 | 54 | 118.00 | 0.8 | 32.60 | 170 |
| V/2 | 170 | 118.00 | 0.8 | 30.55 | 280 |
| V/3 | 110 | 118.00 | 0.8 | 30.78 | 265 |
| V/4 | 102 | 118.00 | 0.8 | 34.43 | 285 |
| V/5 | 150 | 118.00 | 0.8 | 31.24 | 285 |
| Schaefers[50] | 0 | 210 | 113.00 | 0.83 | 21.90 | 280 |
| 3 | 210 | 170.00 | 0.83 | 22.10 | 480 |
| Regan[51] | 1 | 150 | 75.00 | 1 | 21.52 | 197 |
| 2 | 150 | 75.00 | 1 | 23.70 | 227 |
| 3 | 150 | 75.00 | 1 | 27.00 | 235 |
| 4 | 100 | 75.00 | 1 | 26.40 | 185 |
| 5 | 200 | 75.00 | 1 | 26.40 | 338 |
| 8 | 100 | 75.00 | 0.5 | 33.45 | 172 |
| 9 | 200 | 75.00 | 0.5 | 33.45 | 284 |
| 10 | 200 | 75.00 | 1 | 36.08 | 421 |
| 11 | 100 | 75.00 | 1 | 36.08 | 182 |
| 12 | 200 | 75.00 | 1 | 11.55 | 221 |
| 13 | 100 | 75.00 | 1 | 11.55 | 109 |
| 14 | 200 | 75.00 | 1 | 35.85 | 623 |
| 15 | 200 | 75.00 | 1 | 35.85 | 368 |
| 17 | 200 | 160.00 | 0.75 | 28.20 | 1099 |
| Swamy等[52] | S-1 | 150 | 100.00 | 0.56 | 35.42 | 198 |
| Pralong等[36] | P5 | 300 | 143.00 | 1.2 | 24.90 | 628 |
| P2 | 300 | 171.00 | 1.5 | 32.50 | 626 |
| Ladner等[53] | 6 | 100 | 171.00 | 3.83 | 37.50 | 183 |
| 7 | 200 | 109.00 | 4.83 | 41.90 | 288 |
| 10 | 240 | 109.00 | 5.83 | 40.00 | 281 |
| 11 | 320 | 109.00 | 6.83 | 38.00 | 324 |
| M | 226 | 80.00 | 1.32 | 39.60 | 362 |
| Long等[54] | L-2 | 76 | 31.75 | 0.98 | 28.01 | 34 |
| M-1 | 76 | 29.97 | 1.77 | 26.33 | 31 |
| Criswell[55] | S2150-1 | 254 | 127.00 | 1.54 | 28.12 | 463 |
| S2150-2 | 254 | 127.00 | 1.56 | 28.60 | 440 |
| S4075-2 | 508 | 127.00 | 0.77 | 33.92 | 330 |
| S2075-1 | 254 | 121.00 | 0.79 | 29.00 | 290 |
| S2075-2 | 254 | 122.00 | 0.78 | 27.00 | 273 |
| S4150-1 | 508 | 125.00 | 1.52 | 32.50 | 579 |
| S4150-2 | 508 | 125.00 | 1.52 | 29.50 | 581 |
| 角田史雄等[56] | SB1-S1 | 50 | 75.00 | 1.17 | 32.87 | 140 |
| SB2-S3 | 100 | 75.00 | 1.17 | 30.78 | 200 |
| SB3-S6 | 150 | 75.00 | 1.17 | 30.50 | 204 |
| SB3-S7 | 150 | 75.00 | 1.17 | 32.49 | 220 |
| SB4-S8 | 200 | 75.00 | 1.17 | 30.97 | 240 |
| SB4-S9 | 200 | 75.00 | 1.17 | 28.88 | 235 |
| SP1-S10 | 100 | 75.00 | 0.47 | 29.17 | 118 |
| SP2-S11 | 100 | 75.00 | 0.47 | 31.35 | 132 |
| SP3-S12 | 100 | 75.00 | 1.55 | 32.21 | 210 |
| SP5-S15 | 100 | 75.00 | 1.86 | 31.35 | 220 |
| SC1-S16 | 100 | 75.00 | 1.18 | 32.68 | 170 |
| SC1-S17 | 100 | 72.00 | 1.18 | 31.16 | 190 |
| SC4-S18 | 100 | 75.00 | 0.92 | 28.03 | 169 |
| SA3-S22 | 100 | 75.00 | 1.17 | 29.17 | 189 |
| SA3-S23 | 100 | 75.00 | 1.17 | 29.36 | 192 |
| SA4-S24 | 100 | 75.00 | 1.17 | 34.68 | 160 |
| SA4-S25 | 100 | 75.00 | 1.17 | 31.83 | 150 |
| SH3-S28 | 100 | 120.00 | 1.17 | 29.07 | 301 |
| S62 | 300 | 170.00 | 0.79 | 44.37 | 660 |
| S64 | 300 | 170.00 | 1.19 | 41.52 | 750 |
| S66 | 300 | 170.00 | 1.09 | 41.52 | 600 |
| S67 | 300 | 120.00 | 3.37 | 39.33 | 400 |
| S68 | 300 | 120.00 | 3.37 | 43.70 | 660 |
| S69 | 300 | 120.00 | 2.11 | 41.42 | 540 |
| S72 | 300 | 120.00 | 1.12 | 47.79 | 600 |
| S74 | 100 | 120.00 | 0.99 | 17.86 | 190 |
| S74' | 100 | 120.00 | 0.99 | 22.33 | 240 |
| S76 | 100 | 120.00 | 0.99 | 44.37 | 341 |
| S89 | 100 | 80.00 | 1.12 | 26.79 | 174 |
| S90 | 100 | 80.00 | 1.12 | 25.56 | 165 |
| Nylander等[57 | B1 | 120 | 95.50 | 0.8 | 24.32 | 184 |
| B2 | 120 | 101.00 | 0.53 | 24.24 | 183 |
| C1 | 240 | 201.00 | 0.79 | 20.67 | 661 |
| C2 | 240 | 201.00 | 0.56 | 20.37 | 558 |
| Vanderbilt等[58] | 2S1-1 | 76 | 38.10 | 1 | 26.20 | 43 |
| 4S1-3 | 152 | 38.10 | 1 | 19.72 | 51 |
| 3C1-4 | 114 | 38.10 | 1 | 20.96 | 58 |
| 6S1-5 | 229 | 38.10 | 1 | 20.11 | 78 |
| 8S1-6 | 305 | 38.10 | 1 | 19.45 | 90 |
| 2S2-7 | 76 | 38.10 | 2 | 22.07 | 50 |
| 4S2-8 | 152 | 38.10 | 2 | 20.57 | 69 |
| 6C1-9 | 224 | 38.10 | 1 | 24.43 | 96 |
| 8S2-10 | 305 | 38.10 | 2 | 24.96 | 114 |
| 2C1-11 | 76 | 38.10 | 1 | 18.93 | 39 |
| 4C1-12 | 154 | 38.10 | 1 | 21.06 | 73 |
| 8C1-13 | 302 | 38.10 | 1 | 22.79 | 101 |
| 6S2-14 | 229 | 38.10 | 2 | 19.59 | 80 |
| 4C2-15 | 154 | 38.10 | 2 | 20.44 | 97 |
| Roll等[59] | A S-000-0-0-2 | 102 | 45.72 | 1.15 | 31.24 | 65 |
| A S-000-0-0-3 | 102 | 45.72 | 1.15 | 25.71 | 63 |
| A S-000-0-0-4 | 102 | 45.72 | 1.15 | 25.71 | 61 |
| A S-000-0-0-5 | 102 | 45.72 | 1.15 | 25.83 | 64 |
| B S-000-0-0-1 | 102 | 45.72 | 2.53 | 27.92 | 88 |
| B S-000-0-0-2 | 102 | 45.72 | 2.53 | 26.33 | 87 |
| Nightingale[36] | 1A | 254 | 38.10 | 0.6 | 28.64 | 67 |
| 2A | 203 | 38.10 | 0.6 | 28.69 | 56 |
| 3A | 152 | 38.10 | 0.6 | 28.69 | 58 |
| 4A | 114 | 38.10 | 0.6 | 35.04 | 59 |
| 5A | 114 | 38.10 | 1.2 | 35.04 | 83 |
| 6A | 114 | 38.10 | 0.9 | 35.04 | 70 |
| 7A | 114 | 38.10 | 1.9 | 38.25 | 81 |
| 8A | 114 | 38.10 | 0.9 | 38.25 | 82 |
| 9A | 114 | 38.10 | 1.4 | 38.25 | 79 |
| 1M | 114 | 38.10 | 0.78 | 44.02 | 71 |
| 2M | 114 | 38.10 | 1.56 | 42.77 | 82 |
| 3M | 114 | 38.10 | 1.56 | 49.26 | 83 |
| 4M | 114 | 38.10 | 2.08 | 50.96 | 84 |
| 5M | 114 | 38.10 | 1.04 | 36.81 | 83 |
| 7M | 114 | 38.10 | 0.52 | 29.08 | 75 |
| 8M | 114 | 38.10 | 0.52 | 27.77 | 74 |
| Schaeidt等[36] | p1 | 500 | 240.00 | 1.31 | 26.18 | 1662 |
| Corley等[60] | AN-1 | 254 | 111.25 | 1.51 | 17.77 | 334 |
| AN-2 | 203 | 111.25 | 1 | 19.38 | 266 |
| Mowrer等[61] | JN-0-1.7 | 152 | 51.00 | 1.67 | 11.11 | 113 |
| JN-0-2.2 | 152 | 51.00 | 2.2 | 13.62 | 123 |
| Yitzhaki[62] | II-5 | 221 | 82.00 | 0.53 | 15.85 | 152 |
| II-8 | 333 | 82.00 | 0.58 | 17.25 | 218 |
| IIS20-1 | 201 | 82.00 | 0.66 | 10.10 | 128 |
| II-1 | 221 | 82.00 | 1.2 | 9.66 | 181 |
| II-4a | 221 | 82.00 | 0.89 | 16.51 | 245 |
| II-4b | 201 | 82.00 | 0.89 | 9.07 | 162 |
| II-4c | 201 | 82.00 | 0.89 | 12.83 | 215 |
| IIR30-1 | 300 | 82.00 | 2.02 | 16.22 | 239 |
| II-2 | 221 | 82.00 | 1.26 | 8.99 | 152 |
| II-3 | 201 | 82.00 | 1.26 | 12.46 | 244 |
| II-6 | 221 | 82.00 | 1.33 | 19.90 | 240 |
| III-3 | 221 | 82.00 | 1.21 | 16.66 | 201 |
| 7 | 119 | 82.00 | 0.74 | 9.22 | 117 |
| II-10 | 119 | 82.00 | 1.04 | 10.76 | 98 |
| Base[36] | A1/M1 | 203 | 114.00 | 1.1 | 15.48 | 316 |
| A1/M2. | 203 | 117.00 | 1.5 | 14.72 | 346 |
| A1/M3 | 203 | 121.00 | 1.9 | 13.49 | 307 |
| A1/T1 | 203 | 124.00 | 1 | 13.30 | 259 |
| A1/T2 | 203 | 117.00 | 1.2 | 19.95 | 346 |
| A2/M1 | 203 | 124.00 | 1 | 33.63 | 401 |
| A2/M2 | 203 | 117.00 | 1.5 | 31.10 | 419 |
| A2/M3 | 203 | 121.00 | 1.9 | 30.80 | 430 |
| A2/T1 | 203 | 124.00 | 1 | 37.34 | 419 |
| A2/T2 | 203 | 124.00 | 1.7 | 39.33 | 439 |
| A3/M1 | 203 | 124.00 | 1 | 17.86 | 247 |
| A3/M2 | 203 | 102.00 | 1.7 | 18.34 | 330 |
| A3/M3 | 203 | 117.00 | 1.9 | 25.90 | 298 |
| A3/T1 | 203 | 121.00 | 1 | 19.57 | 328 |
| A3/T2. | 203 | 119.00 | 1.2 | 15.20 | 298 |
| A4/M2 | 203 | 119.00 | 1.5 | 27.74 | 341 |
| A4M3 | 203 | 117.00 | 1.9 | 30.60 | 541 |
| A4/T1 | 203 | 114.00 | 1.1 | 31.10 | 384 |
| A4/T2 | 203 | 117.00 | 1.2 | 27.80 | 402 |
| Manterola[63] | P1-S1 | 100 | 107.00 | 0.92 | 24.32 | 216 |
| P2-S1 | 250 | 107.00 | 0.92 | 32.11 | 257 |
| P1-S2 | 100 | 107.00 | 0.92 | 22.99 | 196 |
| P2-S2 | 250 | 107.00 | 0.92 | 31.45 | 283 |
| P3-S2 | 450 | 107.00 | 0.92 | 30.31 | 397 |
| P2-S3 | 100 | 107.00 | 1.22 | 34.01 | 211 |
| P3-S3 | 100 | 107.00 | 0.57 | 37.24 | 165 |
| P1-S4 | 100 | 107.00 | 0.38 | 25.07 | 175 |
| P2-S4 | 250 | 107.00 | 0.38 | 29.73 | 246 |
| P3-S4 | 450 | 107.00 | 0.38 | 32.53 | 294 |
| Taylor等[64] | 2S2 | 51 | 63.50 | 1.57 | 23.39 | 64 |
| 2S3 | 76 | 63.50 | 1.57 | 22.17 | 83 |
| 2S4 | 102 | 63.50 | 1.57 | 20.94 | 78 |
| 2S5 | 127 | 63.50 | 1.57 | 19.93 | 88 |
| 2S6 | 152 | 63.50 | 1.57 | 16.61 | 88 |
| 3S2 | 51 | 60.80 | 3.14 | 20.58 | 71 |
| 3S4 | 102 | 60.80 | 3.14 | 20.43 | 105 |
| 3S6 | 152 | 60.80 | 3.14 | 19.49 | 136 |
| Moe[65] | H-1 | 254 | 114.30 | 1.15 | 24.80 | 371 |
| S1-60 | 254 | 114.30 | 1.06 | 22.14 | 389 |
| S1-70 | 254 | 114.30 | 1.06 | 23.28 | 392 |
| S2-60 | 254 | 114.30 | 1.5 | 21.00 | 356 |
| S3-60 | 254 | 114.30 | 2 | 21.47 | 364 |
| S3-70 | 203 | 114.30 | 2 | 24.13 | 378 |
| S4-60 | 254 | 114.30 | 3.45 | 22.61 | 334 |
| S4-70 | 203 | 114.30 | 3.45 | 33.44 | 374 |
| S4-70-A | 254 | 114.30 | 3.45 | 19.46 | 311 |
| S5-60 | 203 | 114.30 | 1.06 | 21.09 | 343 |
| S5-70 | 203 | 114.30 | 1.06 | 21.85 | 378 |
| R-2 | 152 | 114.30 | 1.38 | 24.86 | 311 |
| MIA | 305 | 114.30 | 1.5 | 19.76 | 433 |
| Kinnunen等[66] | IA15a-5 | 150 | 117.00 | 0.8 | 26.50 | 255 |
| IA15a-6 | 150 | 118.00 | 0.8 | 24.50 | 275 |
| IA15c-11 | 150 | 121.00 | 1.53 | 29.90 | 332 |
| IA15c-12 | 150 | 122.00 | 1.54 | 27.40 | 332 |
| IA30a-24 | 300 | 128.00 | 1.01 | 24.60 | 430 |
| IA30a-25 | 300 | 124.00 | 1.04 | 23.40 | 408 |
| IA30c-30 | 300 | 120.00 | 2.16 | 28.00 | 491 |
| IA30c-31 | 300 | 119.00 | 2.18 | 28.00 | 540 |
| IA30c-32 | 300 | 123.00 | 0.49 | 24.50 | 258 |
| IA30c-33 | 300 | 125.00 | 0.48 | 24.90 | 258 |
| IA30c-34 | 300 | 120.00 | 1 | 25.50 | 332 |
| IA30c-35 | 300 | 122.00 | 0.98 | 23.30 | 332 |
| Elstner等[67] | A-1a | 254 | 118.00 | 1.15 | 13.40 | 303 |
| A-1b | 254 | 118.00 | 1.15 | 23.90 | 365 |
| A-1e | 254 | 118.00 | 1.15 | 19.30 | 356 |
| A-2b | 254 | 114.00 | 2.47 | 18.50 | 400 |
| A-2c | 254 | 114.00 | 2.47 | 26.50 | 467 |
| A-7b | 254 | 114.00 | 2.47 | 34.80 | 512 |
| A-3b | 254 | 114.00 | 3.7 | 21.50 | 445 |
| A-3c | 254 | 114.00 | 3.7 | 25.20 | 534 |
| A-3d | 254 | 114.00 | 3.7 | 32.80 | 547 |
| A-4 | 254 | 118.00 | 1.15 | 24.80 | 400 |
| A-5 | 254 | 114.00 | 2.5 | 26.40 | 534 |
| A-6 | 254 | 114.00 | 3.7 | 23.80 | 498 |
| A-13 | 254 | 114.00 | 0.5 | 24.90 | 236 |
| B-1 | 254 | 114.00 | 0.5 | 13.49 | 178 |
| B-2 | 254 | 114.00 | 0.5 | 42.50 | 321 |
| B-4 | 254 | 114.00 | 0.9 | 42.60 | 200 |
| B-9 | 254 | 114.00 | 2 | 39.50 | 334 |
| B-11 | 254 | 114.00 | 3 | 11.00 | 329 |
| B-14 | 254 | 114.00 | 3 | 44.90 | 578 |
| Forssell等[68] | 1 | 140 | 101.00 | 0.7 | 11.54 | 183 |
| 2 | 140 | 111.00 | 0.64 | 11.54 | 177 |
| 3 | 140 | 106.00 | 0.67 | 11.54 | 172 |
| 4 | 140 | 110.00 | 0.64 | 11.54 | 177 |
| 6 | 140 | 107.00 | 0.66 | 11.54 | 183 |
| Richart等[69] | 2-in. disk 1 | 51 | 130.00 | 0.72 | 24.89 | 151 |
| 6-in. disk 2 | 152 | 130.00 | 0.72 | 24.89 | 198 |
| 10-in. disk 2 | 254 | 130.00 | 0.72 | 24.89 | 216 |
| 14-in. disk 1 | 356 | 130.00 | 0.72 | 24.89 | 243 |

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