

| TUBE SIZE | | | | | | MIN ID TOOL ENTERS | | MAX EXPANSION OF TOOL | | TUBE EXPANDER MODEL NUMBER | | | | |
|-----------|---------|-------------|--------------|---------|-------------|--------------------|------|-----------------------|------|----------------------------|----------------|------------------|------------------|------------------|
| OD INCH | THK. GA | THK. INCH | TUBE OD INCH | THK. GA | THK. INCH | INCH | MM | INCH | MM | TUBE SHEET THICKNESS RANGE | | | | |
| | | | | | | | | | | 1/2" TO 7/8" | 3/4" TO 1-1/8" | 1-1/8" TO 1-5/8" | 1-5/8" TO 2-1/8" | 2-1/8" TO 2-5/8" |
| 7/8 | 15 | 0,072 | 1 | 10 | 0,134 | 0,712 | 18,1 | 0,803 | 20,4 | A1-31/2 | A1-31/3 | | | |
| 7/8 | 16 | 0,065 | | | | 0,724 | 18,4 | 0,814 | 20,7 | A1-32/2 | A1-32/3 | | | |
| 7/8 | 17 | 0,058 | 1 | 11 | 0,12 | 0,740 | 18,8 | 0,830 | 21,1 | A1-33/2 | A1-33/3 | | | |
| 7/8 | 18 | 0,049 | 1 | 12 | 0,109 | 0,763 | 19,4 | 0,850 | 21,6 | A1-34/2 | A1-34/3 | | | |
| 7/8 | 19 & 20 | .042 & .035 | 1-1/8 | 8 | 0,165 | 0,775 | 19,7 | 0,877 | 22,3 | A1-35/2 | A1-35/3 | | | |
| 1 | 13 | 0,095 | | | | 0,791 | 20,1 | 0,881 | 22,4 | A1-36/2 | A1-36/3 | | | |
| 1 | 14 | 0,083 | 1-1/8 | 9 | 0,148 | 0,811 | 20,6 | 0,909 | 23,1 | A1-37/2 | A1-37/3 | A1-37/4 | | |
| 1 | 15 & 16 | .072 & .065 | 1-1/8 | 10 | 0,134 | 0,838 | 21,3 | 0,937 | 23,8 | A1-38/2 | A1-38/3 | A1-38/4 | | |
| 1 | 17 & 18 | .058 & .048 | 1-1/8 | 11 | 0,12 | 0,866 | 22,0 | 0,964 | 24,5 | A1-39/2 | A1-39/3 | A1-39/4 | | |
| 1 | 19 & 20 | .042 & .035 | 1-1/8 | 12 | 0,109 | 0,881 | 22,4 | 0,984 | 25,0 | A1-40/2 | A1-40/3 | A1-40/4 | | |
| 1-1/4 | 8 | 0,165 | 1-1/8 | 13 | 0,095 | 0,917 | 23,3 | 1,019 | 25,9 | A1-41/2 | A1-41/3 | A1-41/4 | | |
| 1-1/4 | 9 | 0,148 | 1-1/8 | 14 | 0,083 | 0,937 | 23,8 | 1,043 | 26,5 | A1-42/2 | A1-42/3 | A1-42/4 | | |
| 1-1/4 | 10 | 0,134 | 1-1/8 | 15 & 16 | .072 & .065 | 0,960 | 24,4 | 1,070 | 27,2 | A1-43/2 | A1-43/3 | A1-43/4 | | |
| 1-1/4 | 11 | 0,12 | | | | 0,992 | 25,2 | 1,102 | 28,0 | A1-44/2 | A1-44/3 | A1-44/4 | | |
| 1-1/4 | 12 | 0,109 | | | | 1,011 | 25,7 | 1,122 | 28,5 | A1-45/2 | A1-45/3 | A1-45/4 | | |
| 1-1/4 | 13 | 0,095 | 1-3/8 | 8 | 0,165 | 1,027 | 26,1 | 1,133 | 28,8 | A1-46/2 | A1-46/3 | A1-46/4 | | |
| 1-1/4 | 14 | 0,083 | | | | 1,039 | 26,4 | 1,149 | 29,2 | A1-47/2 | A1-47/3 | A1-47/4 | | |
| 1-1/4 | 15 | 0,072 | 1-3/8 | 9 | 0,148 | 1,059 | 26,9 | 1,169 | 29,7 | A1-48/2 | A1-48/3 | A1-48/4 | | |
| 1-1/4 | 16 | 0,065 | 1-3/8 | 10 | 0,134 | 1,086 | 27,6 | 1,196 | 30,4 | A1-49/2 | A1-49/3 | A1-49/4 | A1-49/5 | A1-49/6 |
| 1-1/2 | 7 | 0,18 | 1-3/8 | 11 | 0,12 | 1,114 | 28,3 | 1,228 | 31,2 | A1-50/2 | A1-50/3 | A1-50/4 | A1-50/5 | A1-50/6 |
| 1-1/2 | 8 | 0,165 | 1-3/8 | 12 | 0,109 | 1,133 | 28,8 | 1,248 | 31,7 | A1-51/2 | A1-51/3 | A1-51/4 | A1-51/5 | A1-51/6 |
| 1-1/2 | 9 | 0,148 | 1-3/8 | 13 & 14 | .095 & .083 | 1,161 | 29,5 | 1,314 | 33,4 | A1-52/2 | A1-52/3 | A1-52/4 | A1-52/5 | A1-52/6 |
| 1-1/2 | 10 | 0,134 | 1-3/8 | 15 & 16 | .072 & .065 | 1,181 | 30,0 | 1,342 | 34,1 | A1-53/2 | A1-53/3 | A1-53/4 | A1-53/5 | A1-53/6 |
| 1-1/2 | 11 & 12 | .120 & .109 | | | | 1,204 | 30,6 | 1,370 | 34,8 | A1-54/2 | A1-54/3 | A1-54/4 | A1-54/5 | A1-54/6 |
| 1-1/2 | 13 | 0,095 | 1-3/4 | 5 | 0,22 | 1,236 | 31,4 | 1,401 | 35,6 | A1-55/2 | A1-55/3 | A1-55/4 | A1-55/5 | A1-55/6 |
| 1-1/2 | 14 & 15 | .083 & .072 | 1-3/4 | 6 | 0,203 | 1,283 | 32,6 | 1,448 | 36,8 | A1-56/2 | A1-56/3 | A1-56/4 | A1-56/5 | A1-56/6 |
| | | | 1-3/4 | 7 | 0,18 | 1,314 | 33,4 | 1,500 | 38,1 | A1-57/2 | A1-57/3 | A1-57/4 | A1-57/5 | A1-57/6 |
| | | | 1-3/4 | 8 | 0,165 | 1,346 | 34,2 | 1,523 | 38,7 | A1-58/2 | A1-58/3 | A1-58/4 | A1-58/5 | A1-58/6 |
| 2 | 3 | 0,259 | 1-3/4 | 9 & 10 | .148 & .134 | 1,377 | 35,0 | 1,598 | 40,6 | A1-59/2 | A1-59/3 | A1-59/4 | A1-59/5 | A1-59/6 |
| 2 | 4 | 0,238 | 1-3/4 | 11 & 12 | .120 & .109 | 1,440 | 36,6 | 1,661 | 42,2 | A1-60/2 | A1-60/3 | A1-60/4 | A1-60/5 | A1-60/6 |
| 2 | 5 & 6 | .220 & .203 | 1-3/4 | 13 & 14 | .095 & .083 | 1,503 | 38,2 | 1,712 | 43,8 | A1-61/2 | A1-61/3 | A1-61/4 | A1-61/5 | A1-61/6 |
| 2 | 7 & 8 | .180 & .165 | 1-3/4 | 15 & 16 | .072 & .065 | 1,566 | 39,8 | 1,787 | 45,4 | A1-62/2 | A1-62/3 | A1-62/4 | A1-62/5 | A1-62/6 |
| 2 | 9 & 10 | .148 & .134 | 2-1/4 | 3 | 0,259 | 1,629 | 41,4 | 1,850 | 47,0 | A1-63/2 | A1-63/3 | A1-63/4 | A1-63/5 | A1-63/6 |

| | | | | | | | | | | | | | | |
|-------|---------|-------------|-------|---------|-------------|-------|-------|-------|-------|----------|----------|----------|----------|----------|
| 2 | 11 - 13 | .120 - .095 | 2-1/4 | 4 | 0,238 | 1,688 | 42,9 | 1,948 | 49,5 | A1-64/2 | A1-64/3 | A1-64/4 | A1-64/5 | A1-64/6 |
| 2 | 14 - 16 | .083 - .065 | 2-1/4 | 6 & 7 | .203 & .180 | 1,751 | 44,5 | 2,011 | 51,1 | A1-65/2 | A1-65/3 | A1-65/4 | A1-65/5 | A1-65/6 |
| 2 | 17 & 18 | .058 - .049 | 2-1/4 | 8 & 9 | .165 & .148 | 1,814 | 46,1 | 2,074 | 52,7 | A1-66/2 | A1-66/3 | A1-66/4 | A1-66/5 | A1-66/6 |
| 2-1/2 | 3 | 0,259 | 2-1/4 | 10 & 11 | .134 & .120 | 1,877 | 47,7 | 2,137 | 54,3 | A1-67/2 | A1-67/3 | A1-67/4 | A1-67/5 | A1-67/6 |
| 2-1/2 | 4 & 5 | .238 & .220 | 2-1/4 | 12 & 13 | .109 & .095 | 1,940 | 49,3 | 2,200 | 55,9 | A1-68/2 | A1-68/3 | A1-68/4 | A1-68/5 | A1-68/6 |
| 2-1/2 | 6 & 7 | .203 & .180 | 2-1/4 | 14 - 16 | .083 - .065 | 2,000 | 50,8 | 2,275 | 57,8 | A1-69/2 | A1-69/3 | A1-69/4 | A1-69/5 | A1-69/6 |
| 2-1/2 | 8 & 9 | .165 & .148 | 2-3/4 | 3 | 0,259 | 2,062 | 52,4 | 2,338 | 59,4 | A1-70/2 | A1-70/3 | A1-70/4 | A1-70/5 | A1-70/6 |
| 2-1/2 | 10 & 11 | .134 & .120 | 2-3/4 | 4 | 0,238 | 2,125 | 54 | 2,401 | 61,0 | A1-71/2 | A1-71/3 | A1-71/4 | A1-71/5 | A1-71/6 |
| 2-1/2 | 12 - 14 | .109 - .083 | 2-3/4 | 5 & 6 | .220 & .203 | 2,188 | 55,6 | 2,519 | 64,0 | A1-72/2 | A1-72/3 | A1-72/4 | A1-72/5 | A1-72/6 |
| 2-1/2 | 15 & 16 | .072 & .065 | 2-3/4 | 7 & 8 | .180 & .165 | 2,251 | 57,2 | 2,582 | 65,6 | A1-73/2 | A1-73/3 | A1-73/4 | A1-73/5 | A1-73/6 |
| 3 | 3 | 0,259 | 2-3/4 | 9 & 10 | .148 & .134 | 2,307 | 58,6 | 2,637 | 67,0 | A1-74/2 | A1-74/3 | A1-74/4 | A1-74/5 | A1-74/6 |
| 3 | 4 | 0,238 | 2-3/4 | 11 - 13 | .120 & .095 | 2,377 | 60,4 | 2,708 | 68,8 | A1-75/2 | A1-75/3 | A1-75/4 | A1-75/5 | A1-75/6 |
| 3 | 5 & 6 | .220 & .203 | 2-3/4 | 14 - 16 | .083 - .065 | 2,448 | 62,2 | 2,771 | 70,4 | A1-76/2 | A1-76/3 | A1-76/4 | A1-76/5 | A1-76/6 |
| 3 | 7 & 8 | .180 & .165 | | | | 2,503 | 63,6 | 2,834 | 72,0 | A1-77/2 | A1-77/3 | A1-77/4 | A1-77/5 | A1-77/6 |
| 3 | 9 & 10 | .148 & .134 | 3-1/4 | 3 | 0,259 | 2,559 | 65,0 | 2,889 | 73,4 | A1-78/2 | A1-78/3 | A1-78/4 | A1-78/5 | A1-78/6 |
| 3 | 11 - 13 | .120 & .095 | 3-1/4 | 4 | 0,238 | 2,622 | 66,6 | 2,952 | 75,0 | A1-79/2 | A1-79/3 | A1-79/4 | A1-79/5 | A1-79/6 |
| 3 | 14 - 16 | .083 - .065 | 3-1/4 | 5 & 6 | .220 & .203 | 2,688 | 68,3 | 3,027 | 76,9 | A1-80/2 | A1-80/3 | A1-80/4 | A1-80/5 | A1-80/6 |
| 3-1/2 | 2 | 0,284 | 3-1/4 | 7 & 8 | .180 & .165 | 2,751 | 69,9 | 3,090 | 78,5 | A1-81/2 | A1-81/3 | A1-81/4 | A1-81/5 | A1-81/6 |
| 3-1/2 | 3 | 0,259 | 3-1/4 | 9 & 10 | .148 & .134 | 2,814 | 71,5 | 3,153 | 80,1 | A1-82/2 | A1-82/3 | A1-82/4 | A1-82/5 | A1-82/6 |
| 3-1/2 | 4 | 0,238 | 3-1/4 | 11 - 13 | .120 - .095 | 2,877 | 73,1 | 3,216 | 81,7 | A1-83/2 | A1-83/3 | A1-83/4 | A1-83/5 | A1-83/6 |
| 3-1/2 | 5 & 6 | .220 & .203 | 3-1/4 | 14 - 16 | .083 - .065 | 2,937 | 74,6 | 3,314 | 84,2 | A1-84/2 | A1-84/3 | A1-84/4 | A1-84/5 | A1-84/6 |
| 3-1/2 | 7 & 8 | .180 & .165 | 3-3/4 | 2 | 0,084 | 3,000 | 76,2 | 3,366 | 85,5 | A1-85/2 | A1-85/3 | A1-85/4 | A1-85/5 | A1-85/6 |
| 3-1/2 | 9 - 11 | .148 - .120 | 3-3/4 | 3 | 0,259 | 3,062 | 77,8 | 3,440 | 87,4 | A1-86/2 | A1-86/3 | A1-86/4 | A1-86/5 | A1-86/6 |
| 3-1/2 | 12 - 16 | .109 - .065 | 3-3/4 | 4 | 0,238 | 3,125 | 79,4 | 3,503 | 89,0 | A1-87/2 | A1-87/3 | A1-87/4 | A1-87/5 | A1-87/6 |
| | | | 3-3/4 | 5 & 6 | .220 & .203 | 3,188 | 81,0 | 3,566 | 90,6 | A1-88/2 | A1-88/3 | A1-88/4 | A1-88/5 | A1-88/6 |
| 4 | 2 | 0,284 | 3-3/4 | 7 & 8 | .180 & .165 | 3,251 | 82,6 | 3,629 | 92,2 | A1-89/2 | A1-89/3 | A1-89/4 | A1-89/5 | A1-89/6 |
| 4 | 3 | 0,259 | 3-3/4 | 9 & 10 | .148 & .134 | 3,314 | 84,2 | 3,629 | 93,8 | A1-90/2 | A1-90/3 | A1-90/4 | A1-90/5 | A1-90/6 |
| 4 | 4 | 0,238 | 3-3/4 | 11 - 13 | .120 - .095 | 3,377 | 85,8 | 3,787 | 96,2 | A1-91/2 | A1-91/3 | A1-91/4 | A1-91/5 | A1-91/6 |
| 4 | 5 & 6 | .220 & .203 | 3-3/4 | 14 - 16 | .083 - .065 | 3,440 | 87,4 | 3,850 | 97,8 | A1-92/2 | A1-92/3 | A1-92/4 | A1-92/5 | A1-92/6 |
| 4 | 7 & 8 | .180 & .165 | 4-1/4 | 2 | | 3,503 | 89,0 | 3,913 | 99,4 | A1-93/2 | A1-93/3 | A1-93/4 | A1-93/5 | A1-93/6 |
| 4 | 9 - 11 | .148 - .120 | 4-1/4 | 3 | 0,284 | 3,559 | 90,4 | 3,968 | 100,8 | A1-94/2 | A1-94/3 | A1-94/4 | A1-94/5 | A1-94/6 |
| 4 | 12 - 16 | .109 - .065 | 4-1/4 | 4 | 0,238 | 3,622 | 92,0 | 4,031 | 102,4 | A1-95/2 | A1-95/3 | A1-95/4 | A1-95/5 | A1-95/6 |
| | | | 4-1/4 | 5 & 6 | .220 & .203 | 3,677 | 93,4 | 4,086 | 103,8 | A1-96/2 | A1-96/3 | A1-96/4 | A1-96/5 | A1-96/6 |
| 4-1/2 | 2 | 0,284 | 4-1/4 | 7 & 8 | .180 & .165 | 3,740 | 95,0 | 4,149 | 105,4 | A1-97/2 | A1-97/3 | A1-97/4 | A1-97/5 | A1-97/6 |
| 4-1/2 | 3 | 0,259 | 4-1/4 | 9 - 11 | .148 - .120 | 3,803 | 96,6 | 4,212 | 107,0 | A1-98/2 | A1-98/3 | A1-98/4 | A1-98/5 | A1-98/6 |
| 4-1/2 | 4 & 5 | .238 & .220 | 4-1/4 | 11 - 13 | .120 - .095 | 3,866 | 98,2 | 4,275 | 108,6 | A1-99/2 | A1-99/3 | A1-99/4 | A1-99/5 | A1-99/6 |
| 4-1/2 | 6 & 7 | .203 & .180 | | | | 3,984 | 101,2 | 4,330 | 110,0 | A1-100/2 | A1-100/3 | A1-100/4 | A1-100/5 | A1-100/6 |
| 4-1/2 | 8 & 9 | .165 & .148 | | | | 4,047 | 102,8 | 4,393 | 111,6 | A1-101/2 | A1-101/3 | A1-101/4 | A1-101/5 | A1-101/6 |
| 4-1/2 | 10 - 12 | .134 - .109 | | | | 4,110 | 104,4 | 4,456 | 113,2 | A1-102/2 | A1-102/3 | A1-102/4 | A1-102/5 | A1-102/6 |

| SPARE ROLLERS SET MODEL NUMBER TUBE SHEET THICKNESS RANGE | | | | | MANDREL SQUARE DRIVE SIZE INCH | SPARE MANDREL MODEL NUMBER | | |
|--|----------------------|------------------------|------------------------|------------------------|--|----------------------------|----------------|-----------------------------|
| 1/2" TO 7/8" | 3/4" TO 1-1/8" | 1-1/8" TO 1-5/8" | 1-5/8" TO 2-1/8" | 2-1/8" TO 2-5/8" | | DRUM TYPE | HEADER TYPE | SHORT SERIES MANDREL SET |
| 15-2-RS | 15-3-RS | | | | 3/8 | DM-11 | | |
| 15-2-RS | 15-3-RS | | | | 3/8 | DM-12 | | |
| 16-2-RS | 16-3-RS | | | | 3/8 | DM-12 | | |
| 20-2-RS | 20-3-RS | | | | 3/8 | DM-12 | | |
| 17-2-RS | 17-3-RS | | | | 3/8 | DM-13 | | |
| 18-2-RS | 18-3-RS | | | | 3/8 | DM-12 | | |
| 18-2-RS | 18-3-RS | 18-4-RS | | | 3/8 | DM-13 | HM-13 | SM-13 (2) |
| 19-2-RS | 19-3-RS | 19-4-RS | | | 3/8 | DM-13 | HM-13 | SM-13 (2) |
| 21-2-RS | 21-3-RS | 21-4-RS | | | 3/8 | DM-13 | HM-13 | SM-13 (2) |
| 21-2-RS | 21-3-RS | 21-4-RS | | | 3/8 | DM-14 | HM-14 | SM-14 (2) |
| 22-2-RS | 22-3-RS | 22-4-RS | | | 3/8 | DM-14 | HM-14 | SM-14 (2) |
| 23-2-RS | 23-3-RS | 23-4-RS | | | 1/2 | DM-15 | HM-15 | SM-15 (2) |
| 24-2-RS | 24-3-RS | 24-4-RS | | | 1/2 | DM-15 | HM-15 | SM-15 (2) |
| 26-2-RS | 26-3-RS | 26-4-RS | | | 1/2 | DM-16 | HM-16 | SM-16 (2) |
| 27-2-RS | 27-3-RS | 27-4-RS | | | 1/2 | DM-16 | HM-16 | SM-16 (2) |
| 31-2-RS | 31-3-RS | 31-4-RS | | | 1/2 | DM-16 | HM-16 | SM-16 (2) |
| 28-2-RS | 28-3-RS | 28-4-RS | | | 1/2 | DM-17 | HM-17 | SM-17 (2) |
| 29-2-RS | 29-3-RS | 29-4-RS | | | 1/2 | DM-17 | HM-17 | SM-17 (2) |
| 30-2-RS | 30-3-RS | 30-4-RS | 30-5-RS | 30-6-RS | 1/2 | DM-17 | HM-17 | SM-17 (2) |
| 30-2-RS | 30-3-RS | 30-4-RS | 30-5-RS | 30-6-RS | 1/2 | DM-18 | HM-18 | SM-18 (2) |
| 32-2-RS | 32-3-RS | 32-4-RS | 32-5-RS | 32-6-RS | 1/2 | DM-18 | HM-18 | SM-18 (2) |
| 28-2-RS | 28-3-RS | 28-4-RS | 28-5-RS | 28-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 29-2-RS | 29-3-RS | 29-4-RS | 29-5-RS | 29-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 30-2-RS | 30-3-RS | 30-4-RS | 30-5-RS | 30-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 33-2-RS | 33-3-RS | 33-4-RS | 33-5-RS | 33-6-RS | 1/2 | DM-20 | HM-20 | SM-20 (2) |
| 32-2-RS | 32-3-RS | 32-4-RS | 32-5-RS | 32-6-RS | 1/2 | DM-21 | HM-21 | SM-21 (2) |
| 36-2-RS | 36-3-RS | 36-4-RS | 36-5-RS | 36-6-RS | 1/2 | DM-21 | HM-21 | SM-21 (2) |
| 37-2-RS | 37-3-RS | 37-4-RS | 37-5-RS | 37-6-RS | 1/2 | DM-21 | HM-21 | SM-21 (2) |
| 33-2-RS | 33-3-RS | 33-4-RS | 33-5-RS | 33-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 37-2-RS | 37-3-RS | 37-4-RS | 37-5-RS | 37-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 38-2-RS | 38-3-RS | 38-4-RS | 38-5-RS | 38-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 39-2-RS | 39-3-RS | 39-4-RS | 39-5-RS | 39-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |
| 40-2-RS | 40-3-RS | 40-4-RS | 40-5-RS | 40-6-RS | 3/4 | DM-22 | HM-22 | SM-22 (3) |

| | | | | | | | | |
|---------|---------|---------|---------|---------|-----|-------|-------|-----------|
| 40-2-RS | 40-3-RS | 40-4-RS | 40-5-RS | 40-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 41-2-RS | 41-3-RS | 41-4-RS | 41-5-RS | 41-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 42-2-RS | 42-3-RS | 42-4-RS | 42-5-RS | 42-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 43-2-RS | 43-3-RS | 43-4-RS | 43-5-RS | 43-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 44-2-RS | 44-3-RS | 44-4-RS | 44-5-RS | 44-6-RS | 3/4 | DM-23 | HM-23 | SM-23 (3) |
| 43-2-RS | 43-3-RS | 43-4-RS | 43-5-RS | 43-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 44-2-RS | 44-3-RS | 44-4-RS | 44-5-RS | 44-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 45-2-RS | 45-3-RS | 45-4-RS | 45-5-RS | 45-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 47-2-RS | 47-3-RS | 47-4-RS | 47-5-RS | 47-6-RS | 3/4 | DM-24 | HM-24 | SM-24 (3) |
| 46-2-RS | 46-3-RS | 46-4-RS | 46-5-RS | 46-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 47-2-RS | 47-3-RS | 47-4-RS | 47-5-RS | 47-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 48-2-RS | 48-3-RS | 48-4-RS | 48-5-RS | 48-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 49-2-RS | 49-3-RS | 49-4-RS | 49-5-RS | 49-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 50-2-RS | 50-3-RS | 50-4-RS | 50-5-RS | 50-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 51-2-RS | 51-3-RS | 51-4-RS | 51-5-RS | 51-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 52-2-RS | 52-3-RS | 52-4-RS | 52-5-RS | 52-6-RS | 1 | DM-25 | HM-25 | SM-25 (3) |
| 51-2-RS | 51-3-RS | 51-4-RS | 51-5-RS | 51-6-RS | 1 | DM-26 | HM-26 | SM-26 (4) |
| 52-2-RS | 52-3-RS | 52-4-RS | 52-5-RS | 52-6-RS | 1 | DM-26 | HM-26 | SM-26 (4) |
| 53-2-RS | 53-3-RS | 53-4-RS | 53-5-RS | 53-6-RS | 1 | DM-26 | HM-26 | SM-26 (4) |
| 54-2-RS | 54-3-RS | 54-4-RS | 54-5-RS | 54-6-RS | 1 | DM-26 | HM-26 | SM-26 (4) |
| 54-2-RS | 54-3-RS | 54-4-RS | 54-5-RS | 54-6-RS | 1 | DM-27 | HM-27 | SM-27 (4) |
| 55-2-RS | 55-3-RS | 55-4-RS | 55-5-RS | 55-6-RS | 1 | DM-27 | HM-27 | SM-27 (4) |
| 56-2-RS | 56-3-RS | 56-4-RS | 56-5-RS | 56-6-RS | 1 | DM-27 | HM-27 | SM-27 (4) |
| 57-2-RS | 57-3-RS | 57-4-RS | 57-5-RS | 57-6-RS | 1 | DM-27 | HM-27 | SM-27 (4) |
| 58-2-RS | 58-3-RS | 58-4-RS | 58-5-RS | 58-6-RS | 1 | DM-27 | HM-27 | SM-27 (4) |
| 59-2-RS | 59-3-RS | 59-4-RS | 59-5-RS | 59-6-RS | 1 | DM-27 | HM-27 | SM-27 (4) |
| 60-2-RS | 60-3-RS | 60-4-RS | 60-5-RS | 60-6-RS | 1 | DM-27 | HM-27 | SM-27 (4) |
| 59-2-RS | 59-3-RS | 59-4-RS | 59-5-RS | 59-6-RS | 1 | DM-28 | HM-28 | SM-28 (4) |
| 60-2-RS | 60-3-RS | 60-4-RS | 60-5-RS | 60-6-RS | 1 | DM-28 | HM-28 | SM-28 (4) |
| 61-2-RS | 61-3-RS | 61-4-RS | 61-5-RS | 61-6-RS | 1 | DM-28 | HM-28 | SM-28 (4) |
| 62-2-RS | 62-3-RS | 62-4-RS | 62-5-RS | 62-6-RS | 1 | DM-28 | HM-28 | SM-28 (4) |
| 63-2-RS | 63-3-RS | 63-4-RS | 63-5-RS | 63-6-RS | 1 | DM-28 | HM-28 | SM-28 (4) |
| 62-2-RS | 62-3-RS | 62-4-RS | 62-5-RS | 62-6-RS | 1 | DM-29 | HM-29 | SM-29 (4) |
| 63-2-RS | 63-3-RS | 63-4-RS | 63-5-RS | 63-6-RS | 1 | DM-29 | HM-29 | SM-29 (4) |
| 64-2-RS | 64-3-RS | 64-4-RS | 64-5-RS | 64-6-RS | 1 | DM-29 | HM-29 | SM-29 (4) |
| 63-2-RS | 63-3-RS | 63-4-RS | 63-5-RS | 63-6-RS | 1 | DM-30 | HM-30 | SM-30 (4) |
| 64-2-RS | 64-3-RS | 64-4-RS | 64-5-RS | 64-6-RS | 1 | DM-30 | HM-30 | SM-30 (4) |
| 65-2-RS | 65-3-RS | 65-4-RS | 65-5-RS | 65-6-RS | 1 | DM-30 | HM-30 | SM-30 (4) |
| 66-2-RS | 66-3-RS | 66-4-RS | 66-5-RS | 66-6-RS | 1 | DM-30 | HM-30 | SM-30 (4) |