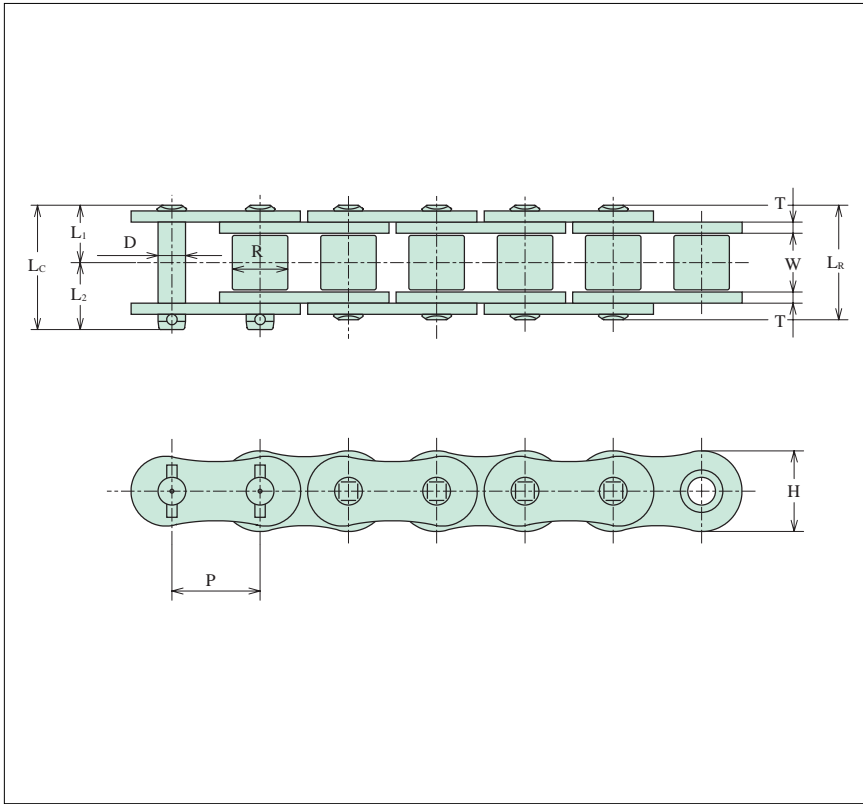


Super Roller Chains



Hitachi Super Roller Chains are upgraded to a high degree over existing ANSI standard roller chains.

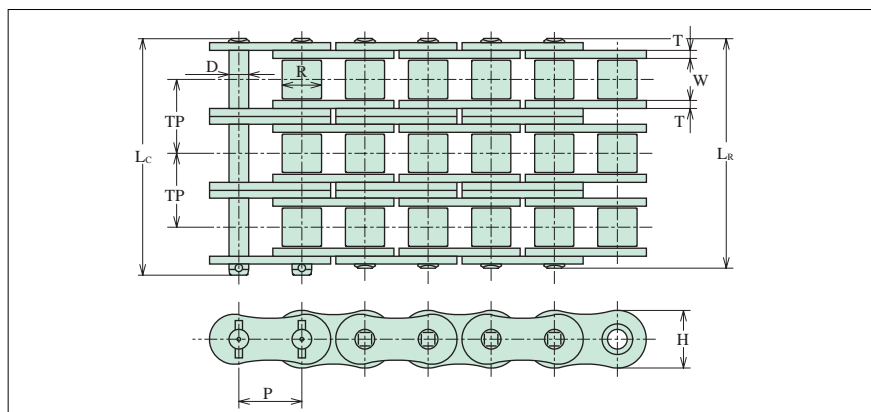
Big improvement has been made in particular with fatigue strength and impact absorbing capacity.

Hitachi Super Heavy Roller Chains provided with link plates of next larger chain size promise you higher performance and superior quality.

SINGLE STRANDS

| Chain No. (ANSI) | Dimensions - mm | | | | | | | | | | Average Ultimate Strength | Maximum Allowable Load | Average Chain Weight |
|------------------|-----------------|--------|-------|-------|--------|-------|------|--------|--------|-----|---------------------------|------------------------|----------------------|
| | Pitch | Roller | | Pin | | | | Plate | | | | | |
| | | Width | Dia. | Dia. | Length | | | Height | Thick. | | | | |
| P | W | R | D | LR | LC | L1 | L2 | H | T | kN | kN | kg/m | |
| SUPER 80 | 25.40 | 15.88 | 15.88 | 7.93 | 32.6 | 35.5 | 16.3 | 19.2 | 24.1 | 3.2 | 84.3 | 18.6 | 2.8 |
| SUPER 100 | 31.75 | 19.05 | 19.05 | 9.53 | 39.8 | 43.2 | 19.9 | 23.3 | 30.1 | 4.0 | 127 | 30.4 | 4.2 |
| SUPER 120 | 38.10 | 25.40 | 22.23 | 11.10 | 49.7 | 53.7 | 24.9 | 28.8 | 36.2 | 4.8 | 186 | 39.2 | 6.30 |
| SUPER 140 | 44.45 | 25.40 | 25.40 | 12.70 | 54.0 | 58.3 | 27.0 | 31.3 | 42.2 | 5.6 | 245 | 53.9 | 8.0 |
| SUPER 160 | 50.80 | 31.75 | 28.58 | 14.28 | 64.4 | 67.0 | 32.2 | 34.8 | 48.2 | 6.4 | 314 | 70.6 | 10.7 |
| SUPER 200 | 63.50 | 38.10 | 39.68 | 19.84 | 78.6 | 86.2 | 39.3 | 46.9 | 60.3 | 8.0 | 490 | 94.1 | 17.6 |
| SUPER 240 | 76.20 | 47.63 | 47.63 | 23.80 | 96.4 | 103.4 | 48.2 | 55.2 | 72.4 | 9.5 | 726 | 132 | 25.6 |
| SUPER 80H | 25.40 | 15.88 | 15.88 | 7.93 | 35.9 | 38.9 | 18.0 | 20.9 | 24.1 | 4.0 | 98.1 | 20.6 | 3.33 |
| SUPER 100H | 31.75 | 19.05 | 19.05 | 9.53 | 42.6 | 46.2 | 21.3 | 24.9 | 30.1 | 4.8 | 145 | 32.4 | 4.88 |
| SUPER 120H | 38.10 | 25.40 | 22.23 | 11.10 | 52.8 | 57.3 | 26.9 | 30.4 | 36.2 | 5.6 | 196 | 42.2 | 6.94 |
| SUPER 140H | 44.45 | 25.40 | 25.40 | 12.70 | 57.2 | 61.9 | 28.6 | 33.3 | 42.2 | 6.4 | 255 | 56.9 | 8.87 |
| SUPER 160H | 50.80 | 31.75 | 28.58 | 14.28 | 67.9 | 72.8 | 34.0 | 38.8 | 48.2 | 7.1 | 324 | 73.5 | 11.7 |

- Note: ※ 1. Offset links are not available.
 2. Riveted type chain will be provided unless otherwise specified.
 Cottered type chain will be provided upon request.
 3. Press-fitted type connecting links will be supplied.



MULTIPLE STRANDS

| Chain No. | Dimensions - mm | | | | | | | | | | | Average Ultimate Strength kN | Maximum Allowable Load kN | Average Chain Weight kg/m |
|--------------|-----------------|------------|-----------|-----------|--------|-------|-------|-------------|-------------|--------------------|------|---------------------------------|------------------------------|------------------------------|
| | Pitch P | Roller | | Pin | | | | Plate | | Trans. Pitch TP | | | | |
| | | Width W | Dia. R | Dia. D | Length | | | Height H | Thick. T | | | | | |
| | | | | | LR | LC | L1 | L2 | | | | | | |
| SUPER80-2 | | | | | 62.0 | 64.9 | 31.0 | 33.9 | | | | 169 | 31.6 | 5.6 |
| SUPER80-3 | 25.40 | 15.88 | 15.88 | 7.93 | 91.3 | 94.2 | 45.7 | 48.5 | 24.1 | 3.2 | 29.3 | 253 | 46.5 | 8.4 |
| SUPER80-4 | | | | | 120.6 | 123.5 | 60.3 | 63.2 | | | | 337 | 61.4 | 11.1 |
| SUPER100-2 | | | | | 75.4 | 79.0 | 37.7 | 41.3 | | | | 255 | 51.6 | 8.5 |
| SUPER100-3 | 31.75 | 19.05 | 19.05 | 9.53 | 111.2 | 114.8 | 55.6 | 59.2 | 30.1 | 4.0 | 35.8 | 382 | 76.0 | 12.5 |
| SUPER100-4 | | | | | 147.0 | 150.6 | 73.5 | 77.1 | | | | 510 | 100 | 16.6 |
| SUPER120-2 | | | | | 95.4 | 99.4 | 47.7 | 51.7 | | | | 373 | 66.6 | 12.6 |
| SUPER120-3 | 38.10 | 25.40 | 22.23 | 11.10 | 140.8 | 144.8 | 70.4 | 74.4 | 36.2 | 4.8 | 45.4 | 559 | 98.0 | 18.5 |
| SUPER120-4 | | | | | 186.2 | 190.2 | 93.1 | 97.1 | | | | 745 | 129 | 24.7 |
| SUPER140-2 | | | | | 103.3 | 107.6 | 51.7 | 55.9 | | | | 490 | 91.6 | 16.8 |
| SUPER140-3 | 44.45 | 25.40 | 25.40 | 12.70 | 152.2 | 156.5 | 76.1 | 80.4 | 42.2 | 5.6 | 48.9 | 735 | 134 | 23.7 |
| SUPER140-4 | | | | | 201.1 | 205.4 | 100.6 | 104.8 | | | | 981 | 177 | 30.5 |
| SUPER160-2 | | | | | 123.2 | 127.8 | 61.6 | 66.2 | | | | 628 | 120 | 21.6 |
| SUPER160-3 | 50.80 | 31.75 | 28.58 | 14.28 | 181.7 | 186.3 | 90.9 | 95.4 | 48.2 | 6.4 | 58.5 | 941 | 176 | 31.9 |
| SUPER160-4 | | | | | 240.2 | 244.8 | 120.1 | 124.7 | | | | 1255 | 233 | 42.5 |
| SUPER200-2 | | | | | 150.6 | 158.2 | 75.3 | 82.9 | | | | 981 | 160 | 35.3 |
| SUPER200-3 | 63.50 | 38.10 | 39.67 | 19.83 | 222.2 | 229.8 | 111.1 | 118.7 | 60.3 | 8.0 | 71.6 | 1471 | 235 | 52.0 |
| SUPER200-4 | | | | | 293.8 | 301.4 | 146.9 | 154.5 | | | | 1961 | 310 | 69.2 |
| SUPER240-2 | | | | | 184.2 | 191.2 | 92.1 | 99.4 | | | | 1451 | 225 | 50.7 |
| SUPER240-3 | 76.20 | 47.63 | 47.63 | 23.78 | 272.0 | 279.0 | 136.0 | 143.0 | 72.4 | 9.5 | 87.8 | 2177 | 330 | 75.5 |
| SUPER240-4 | | | | | 359.8 | 366.8 | 179.9 | 186.9 | | | | 2903 | 436 | 100.6 |
| SUPER 80H-2 | 25.40 | 15.88 | 15.88 | 7.93 | 68.6 | 399.4 | 34.3 | 365.1 | 24.1 | 4.0 | 32.6 | 196.2 | 35.02 | 6.67 |
| SUPER 80H-3 | | | | | 101.2 | 432.0 | 50.6 | 381.4 | | | | 294.3 | 51.5 | 9.96 |
| SUPER 100H-2 | 31.75 | 19.05 | 19.05 | 9.53 | 81.6 | 85.4 | 40.8 | 44.6 | 30.1 | 4.8 | 39.1 | 290 | 55.08 | 9.6 |
| SUPER 100H-3 | | | | | 120.7 | 124.5 | 60.4 | 64.1 | | | | 435 | 81.0 | 14.4 |
| SUPER 120H-2 | 38.10 | 25.40 | 22.23 | 11.10 | 102.0 | 173.4 | 51.0 | 122.4 | 36.2 | 5.6 | 48.9 | 392 | 71.74 | 13.71 |
| SUPER 120H-3 | | | | | 150.9 | 222.3 | 75.5 | 79.6 | | | | 588 | 105.5 | 20.55 |
| SUPER 140H-2 | 44.45 | 25.40 | 25.40 | 12.70 | 109.6 | 274.5 | 54.8 | 219.7 | 42.2 | 6.4 | 52.2 | 510 | 96.73 | 17.56 |
| SHPER 140H-3 | | | | | 161.8 | 326.7 | 80.9 | 245.8 | | | | 765 | 142.25 | 26.3 |
| SUPER 160H-2 | 50.80 | 31.75 | 28.58 | 14.28 | 223.7 | 388.6 | 111.9 | 276.8 | 48.2 | 7.1 | 61.9 | 648 | 124.95 | 23.15 |
| SUPER 160H-3 | | | | | 285.6 | 450.5 | 142.8 | 100.7 | | | | 972 | 183.75 | 34.67 |

SUPER ROLLER CHAIN

KILLOWATT RATINGS OF SUPER 80

| No. of Teeth Small Spkt. | Revolutions per Minute (RPM)-Small Sprocket | | | | | | | | | | | | |
|--------------------------|---|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 10 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| | I-b | | | II | | | | III | | | | | |
| 13 | 0.87 | 1.98 | 3.7 | 6.91 | 12.89 | 18.57 | 24.05 | 29.4 | 34.64 | 32.1 | 26.27 | 22.02 | 18.8 |
| 14 | 0.94 | 2.15 | 4.01 | 7.48 | 13.96 | 20.11 | 26.06 | 31.85 | 37.53 | 35.87 | 29.36 | 24.6 | 21.01 |
| 15 | 1.01 | 2.32 | 4.32 | 8.06 | 15.04 | 21.67 | 28.07 | 34.31 | 40.43 | 39.78 | 32.56 | 27.29 | 23.3 |
| 16 | 1.09 | 2.48 | 4.63 | 8.64 | 16.13 | 23.23 | 30.1 | 36.79 | 43.35 | 43.82 | 35.87 | 30.06 | 25.67 |
| 17 | 1.16 | 2.65 | 4.95 | 9.23 | 17.22 | 24.8 | 32.13 | 39.28 | 46.29 | 48.0 | 39.28 | 32.92 | 28.11 |
| 18 | 1.24 | 2.82 | 5.26 | 9.82 | 18.32 | 26.38 | 34.18 | 41.78 | 49.23 | 52.29 | 42.8 | 35.87 | 30.63 |
| 19 | 1.31 | 2.99 | 5.58 | 10.41 | 19.42 | 27.97 | 36.24 | 44.3 | 52.19 | 56.71 | 46.42 | 38.9 | 33.21 |
| 20 | 1.38 | 3.16 | 5.89 | 11.0 | 20.52 | 29.56 | 38.3 | 46.82 | 55.17 | 61.25 | 50.13 | 42.01 | 35.87 |
| 21 | 1.46 | 3.33 | 6.21 | 11.59 | 21.63 | 31.16 | 40.37 | 49.35 | 58.15 | 65.9 | 53.94 | 45.2 | 38.59 |
| 22 | 1.53 | 3.5 | 6.53 | 12.19 | 22.75 | 32.77 | 42.45 | 51.89 | 61.15 | 70.25 | 57.83 | 48.47 | 41.38 |
| 24 | 1.69 | 3.85 | 7.18 | 13.39 | 24.99 | 36.0 | 46.64 | 57.01 | 67.17 | 77.17 | 65.9 | 55.23 | 47.15 |
| 26 | 1.84 | 4.19 | 7.82 | 14.6 | 27.25 | 39.25 | 50.85 | 62.15 | 73.24 | 84.14 | 74.3 | 62.27 | 53.17 |
| 30 | 2.15 | 4.89 | 9.13 | 17.04 | 31.8 | 45.81 | 59.34 | 72.54 | 85.48 | 98.2 | 92.09 | 77.18 | 65.9 |
| 32 | 2.3 | 5.25 | 9.79 | 18.27 | 34.1 | 49.11 | 63.63 | 77.78 | 91.65 | 105.29 | 101.46 | 85.03 | 72.6 |
| 35 | 2.53 | 5.78 | 10.79 | 20.13 | 37.56 | 54.1 | 70.09 | 85.68 | 100.96 | 115.99 | 116.05 | 97.26 | 83.04 |
| 40 | 2.93 | 6.68 | 12.46 | 23.25 | 43.39 | 62.5 | 80.97 | 98.98 | 116.62 | 133.98 | 141.79 | 118.83 | 101.46 |

KILLOWATT RATINGS OF SUPER 100

| No. of Teeth Small Spkt. | Revolutions per Minute (RPM)-Small Sprocket | | | | | | | | | | | | |
|--------------------------|---|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 10 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| | I-b | | | II | | | | III | | | | | |
| 13 | 1.47 | 3.35 | 6.25 | 11.66 | 21.76 | 31.35 | 40.61 | 49.65 | 48.35 | 38.37 | 31.4 | 26.32 | 22.47 |
| 14 | 1.59 | 3.63 | 6.77 | 12.64 | 23.58 | 33.96 | 44.0 | 53.78 | 54.04 | 42.88 | 35.1 | 29.41 | 25.11 |
| 15 | 1.71 | 3.91 | 7.29 | 13.61 | 25.4 | 36.59 | 47.4 | 57.94 | 59.93 | 47.56 | 38.92 | 32.62 | 27.85 |
| 16 | 1.84 | 4.19 | 7.82 | 14.6 | 27.24 | 39.23 | 50.82 | 62.13 | 66.02 | 52.39 | 42.88 | 35.94 | 30.68 |
| 17 | 1.96 | 4.48 | 8.35 | 15.58 | 29.08 | 41.88 | 54.26 | 66.33 | 72.3 | 57.38 | 46.96 | 39.36 | 33.6 |
| 18 | 2.09 | 4.76 | 8.88 | 16.58 | 30.93 | 44.55 | 57.72 | 70.56 | 78.78 | 62.51 | 51.17 | 42.88 | 36.61 |
| 19 | 2.21 | 5.05 | 9.42 | 17.57 | 32.79 | 47.23 | 61.19 | 74.8 | 85.43 | 67.8 | 55.49 | 46.5 | 39.71 |
| 20 | 2.34 | 5.33 | 9.95 | 18.57 | 34.66 | 49.92 | 64.67 | 79.06 | 92.26 | 73.22 | 59.93 | 50.22 | 42.88 |
| 21 | 2.46 | 5.62 | 10.49 | 19.58 | 36.53 | 52.62 | 68.17 | 83.34 | 98.2 | 78.78 | 64.48 | 54.04 | 46.11 |
| 22 | 2.59 | 5.91 | 11.03 | 20.59 | 38.42 | 55.33 | 71.69 | 87.63 | 103.26 | 84.47 | 69.14 | 57.94 | 49.47 |
| 24 | 2.85 | 6.49 | 12.12 | 22.61 | 42.2 | 60.79 | 78.75 | 96.26 | 113.43 | 96.25 | 78.78 | 66.02 | 56.37 |
| 26 | 3.1 | 7.08 | 13.21 | 24.66 | 46.01 | 66.27 | 85.86 | 104.96 | 123.67 | 108.52 | 88.83 | 74.44 | 63.56 |
| 30 | 3.62 | 8.26 | 15.42 | 28.78 | 53.7 | 77.35 | 100.21 | 122.5 | 144.34 | 134.51 | 110.09 | 92.26 | 78.78 |
| 32 | 3.88 | 8.86 | 16.53 | 30.86 | 57.58 | 82.93 | 107.44 | 131.34 | 154.76 | 148.18 | 121.28 | 101.64 | 86.78 |
| 35 | 4.28 | 9.76 | 18.22 | 33.99 | 63.43 | 91.36 | 118.36 | 144.69 | 170.49 | 169.5 | 138.73 | 116.27 | 99.27 |
| 40 | 4.94 | 11.28 | 21.04 | 39.26 | 73.27 | 105.54 | 136.72 | 167.13 | 196.94 | 207.09 | 169.5 | 142.05 | 121.28 |

KILLOWATT RATINGS OF SUPER 120

| No. of Teeth Small Spkt. | Revolutions per Minute (RPM)-Small Sprocket | | | | | | | | | | | | |
|--------------------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 10 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| | I-b | | | II | | | | III | | | | | |
| 13 | 2.27 | 5.18 | 9.67 | 18.05 | 33.68 | 48.51 | 62.84 | 73.54 | 55.94 | 44.39 | 36.34 | 30.45 | 26.0 |
| 14 | 2.46 | 5.61 | 10.48 | 19.55 | 36.48 | 52.55 | 68.08 | 82.19 | 62.52 | 49.61 | 40.61 | 34.03 | 29.06 |
| 15 | 2.65 | 6.05 | 11.29 | 21.06 | 39.3 | 56.61 | 73.34 | 89.65 | 69.34 | 55.02 | 45.04 | 37.74 | 32.23 |
| 16 | 2.84 | 6.49 | 12.1 | 22.58 | 42.14 | 60.7 | 78.64 | 96.13 | 76.39 | 60.62 | 49.61 | 41.58 | 35.5 |
| 17 | 3.04 | 6.92 | 12.92 | 24.11 | 44.99 | 64.81 | 83.96 | 102.63 | 83.66 | 66.39 | 54.34 | 45.54 | 38.88 |
| 18 | 3.23 | 7.36 | 13.74 | 25.65 | 47.86 | 68.93 | 89.3 | 109.17 | 91.15 | 72.33 | 59.2 | 49.61 | 42.36 |
| 19 | 3.42 | 7.81 | 14.57 | 27.19 | 50.73 | 73.08 | 94.67 | 115.73 | 98.85 | 78.44 | 64.2 | 53.81 | 45.94 |
| 20 | 3.62 | 8.25 | 15.4 | 28.74 | 53.62 | 77.24 | 100.07 | 122.32 | 106.75 | 84.71 | 69.34 | 58.11 | 49.61 |
| 21 | 3.81 | 8.7 | 16.23 | 30.29 | 56.53 | 81.42 | 105.48 | 128.94 | 114.86 | 91.15 | 74.6 | 62.52 | 53.38 |
| 22 | 4.01 | 9.15 | 17.07 | 31.85 | 59.44 | 85.61 | 110.92 | 135.58 | 123.16 | 97.73 | 79.99 | 67.04 | 57.24 |
| 24 | 4.41 | 10.05 | 18.75 | 34.99 | 65.29 | 94.05 | 121.84 | 148.94 | 140.33 | 111.36 | 91.15 | 76.39 | 65.22 |
| 26 | 4.8 | 10.96 | 20.44 | 38.15 | 71.19 | 102.54 | 132.85 | 162.39 | 158.23 | 125.57 | 102.77 | 86.13 | 73.54 |
| 30 | 5.61 | 12.79 | 23.86 | 44.53 | 83.09 | 119.68 | 155.05 | 189.53 | 196.12 | 155.63 | 127.38 | 106.75 | 91.15 |
| 32 | 6.01 | 13.71 | 25.58 | 47.74 | 89.09 | 128.32 | 166.24 | 203.22 | 216.05 | 171.45 | 140.33 | 117.6 | 100.41 |
| 35 | 6.62 | 15.1 | 28.18 | 52.59 | 98.14 | 141.36 | 183.13 | 223.87 | 247.14 | 196.12 | 160.52 | 134.52 | 114.86 |
| 40 | 7.65 | 17.45 | 32.56 | 60.75 | 113.36 | 163.29 | 211.54 | 258.59 | 301.94 | 239.61 | 196.12 | 164.36 | 140.33 |

KILLOWATT RATINGS OF SUPER 140

| No. of Teeth Small Spkt. | Revolutions per Minute (RPM)-Small Sprocket | | | | | | | | | | | | |
|--------------------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 10 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| | I-b | | | II | | | | III | | | | | |
| 13 | 3.3 | 7.52 | 14.03 | 26.18 | 48.86 | 70.37 | 91.17 | 83.19 | 63.29 | 50.22 | 41.11 | 34.45 | 29.41 |
| 14 | 3.57 | 8.14 | 15.2 | 28.36 | 52.93 | 76.23 | 98.76 | 92.97 | 70.73 | 56.13 | 45.94 | 38.5 | 32.87 |
| 15 | 3.85 | 8.78 | 16.37 | 30.56 | 57.02 | 82.13 | 106.4 | 103.11 | 78.44 | 62.25 | 50.95 | 42.7 | 36.45 |
| 16 | 4.12 | 9.41 | 17.56 | 32.76 | 61.14 | 88.06 | 114.09 | 113.59 | 86.41 | 68.57 | 56.13 | 47.04 | 40.16 |
| 17 | 4.4 | 10.05 | 18.74 | 34.98 | 65.27 | 94.02 | 121.8 | 124.4 | 94.64 | 75.1 | 61.47 | 51.51 | 43.98 |
| 18 | 4.68 | 10.68 | 19.94 | 37.21 | 69.43 | 100.01 | 129.56 | 135.54 | 103.11 | 81.82 | 66.97 | 56.13 | 47.92 |
| 19 | 4.97 | 11.33 | 21.14 | 39.44 | 73.6 | 106.02 | 137.35 | 146.99 | 111.82 | 88.74 | 72.63 | 60.87 | 51.97 |
| 20 | 5.25 | 11.97 | 22.34 | 41.69 | 77.8 | 112.06 | 145.18 | 158.75 | 120.76 | 95.83 | 78.44 | 65.74 | 56.13 |
| 21 | 5.53 | 12.62 | 23.55 | 43.95 | 82.01 | 118.12 | 153.03 | 170.8 | 129.93 | 103.11 | 84.39 | 70.73 | 60.39 |
| 22 | 5.82 | 13.27 | 24.76 | 46.21 | 86.23 | 124.21 | 160.91 | 183.15 | 139.32 | 110.56 | 90.49 | 75.84 | 64.75 |
| 24 | 6.39 | 14.58 | 27.2 | 50.76 | 94.73 | 136.45 | 176.77 | 208.68 | 158.75 | 125.98 | 103.11 | 86.41 | 73.78 |
| 26 | 6.97 | 15.89 | 29.66 | 55.35 | 103.28 | 148.77 | 192.73 | 235.3 | 179.0 | 142.05 | 116.26 | 97.43 | 83.19 |
| 30 | 8.13 | 18.55 | 34.62 | 64.6 | 120.54 | 173.63 | 224.94 | 274.97 | 221.86 | 176.06 | 144.1 | 120.76 | 103.11 |
| 32 | 8.72 | 19.89 | 37.12 | 69.26 | 129.25 | 186.16 | 241.18 | 294.82 | 244.41 | 193.95 | 158.75 | 133.04 | 113.59 |
| 35 | 9.61 | 21.91 | 40.89 | 76.3 | 142.38 | 205.08 | 265.69 | 324.78 | 279.57 | 221.86 | 181.59 | 152.18 | 129.93 |
| 40 | 11.1 | 25.31 | 47.23 | 88.14 | 164.47 | 236.9 | 306.91 | 375.17 | 341.57 | 271.06 | 221.86 | 185.93 | 158.75 |

KILLOWATT RATINGS OF SUPER 160

| No. of Teeth Small Spkt. | Revolutions per Minute (RPM)-Small Sprocket | | | | | | | | | | | | |
|--------------------------|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 10 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| | I -b | | | | | | III | | | | | | |
| 13 | 4.58 | 10.44 | 19.48 | 36.34 | 67.82 | 97.69 | 126.56 | 92.57 | 70.42 | 55.88 | 45.74 | 38.33 | 32.73 |
| 14 | 4.96 | 11.31 | 21.1 | 39.37 | 73.47 | 105.83 | 137.11 | 103.45 | 78.7 | 62.45 | 51.12 | 42.84 | 36.58 |
| 15 | 5.34 | 12.18 | 22.73 | 42.42 | 79.16 | 114.02 | 147.71 | 114.73 | 87.28 | 69.26 | 56.69 | 47.51 | 40.56 |
| 16 | 5.73 | 13.06 | 24.37 | 45.48 | 84.87 | 122.25 | 158.37 | 126.4 | 96.15 | 76.3 | 62.45 | 52.34 | 44.69 |
| 17 | 6.11 | 13.94 | 26.02 | 48.56 | 90.61 | 130.52 | 169.09 | 138.43 | 105.31 | 83.57 | 68.4 | 57.32 | 48.94 |
| 18 | 6.5 | 14.83 | 27.68 | 51.65 | 96.38 | 138.83 | 179.86 | 150.82 | 114.73 | 91.05 | 74.52 | 62.45 | 53.32 |
| 19 | 6.89 | 15.72 | 29.34 | 54.76 | 102.18 | 147.18 | 190.67 | 163.56 | 124.43 | 98.74 | 80.82 | 67.73 | 57.83 |
| 20 | 7.29 | 16.62 | 31.01 | 57.88 | 108.0 | 155.56 | 201.53 | 176.65 | 134.38 | 106.64 | 87.28 | 73.15 | 62.45 |
| 21 | 7.68 | 17.52 | 32.69 | 61.01 | 113.84 | 163.98 | 212.44 | 190.06 | 144.58 | 114.73 | 93.91 | 78.7 | 67.2 |
| 22 | 8.08 | 18.42 | 34.38 | 64.15 | 119.71 | 172.43 | 223.38 | 203.79 | 155.03 | 123.03 | 100.7 | 84.39 | 72.05 |
| 24 | 8.87 | 20.24 | 37.76 | 70.47 | 131.5 | 189.42 | 245.39 | 232.21 | 175.65 | 140.18 | 114.73 | 96.15 | 82.1 |
| 26 | 9.67 | 22.06 | 41.17 | 76.83 | 143.38 | 206.52 | 267.55 | 261.83 | 199.18 | 158.06 | 129.37 | 108.42 | 92.57 |
| 30 | 11.29 | 25.75 | 48.06 | 89.68 | 167.34 | 241.04 | 312.27 | 324.52 | 246.87 | 195.91 | 160.35 | 134.38 | 114.73 |
| 32 | 12.1 | 27.61 | 51.52 | 96.15 | 179.42 | 258.44 | 334.81 | 357.5 | 271.96 | 215.82 | 176.65 | 148.04 | 126.4 |
| 35 | 13.33 | 30.42 | 56.76 | 105.92 | 197.65 | 284.7 | 368.83 | 408.94 | 311.09 | 246.87 | 202.06 | 169.34 | 144.58 |
| 40 | 15.4 | 35.14 | 65.57 | 122.35 | 228.31 | 328.86 | 426.05 | 499.63 | 380.08 | 301.62 | 246.87 | 206.89 | 0.0 |

KILLOWATT RATINGS OF SUPER 200

| No. of Teeth Small Spkt. | Revolutions per Minute (RPM)-Small Sprocket | | | | | | | | | | |
|--------------------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 80 | 100 | 150 | 200 |
| | I -b | | | II | | | | | | III | |
| 13 | 5.22 | 9.73 | 18.16 | 26.16 | 33.89 | 41.43 | 48.81 | 63.24 | 77.3 | 111.35 | 144.26 |
| 14 | 5.65 | 10.54 | 19.67 | 28.34 | 36.71 | 44.88 | 52.88 | 68.51 | 83.75 | 120.63 | 156.28 |
| 15 | 6.09 | 11.36 | 21.2 | 30.53 | 39.55 | 48.35 | 56.97 | 73.81 | 90.23 | 129.96 | 168.37 |
| 16 | 6.53 | 12.18 | 22.73 | 32.73 | 42.41 | 51.84 | 61.08 | 79.14 | 96.74 | 139.34 | 180.52 |
| 17 | 6.97 | 13.0 | 24.26 | 34.95 | 45.28 | 55.35 | 65.22 | 84.49 | 103.28 | 148.77 | 192.73 |
| 18 | 7.41 | 13.83 | 25.81 | 37.18 | 48.16 | 58.87 | 69.37 | 89.87 | 109.86 | 158.24 | 205.01 |
| 19 | 7.86 | 14.66 | 27.36 | 39.41 | 51.06 | 62.41 | 73.54 | 95.28 | 116.47 | 167.76 | 217.33 |
| 20 | 8.3 | 15.5 | 28.92 | 41.66 | 53.97 | 65.97 | 77.73 | 100.7 | 123.1 | 177.31 | 229.71 |
| 21 | 8.75 | 16.34 | 30.48 | 43.91 | 56.89 | 69.54 | 81.94 | 106.15 | 129.76 | 186.91 | 232.14 |
| 22 | 9.21 | 17.18 | 32.05 | 46.17 | 59.82 | 73.12 | 86.16 | 111.62 | 136.45 | 196.54 | 254.62 |
| 24 | 10.11 | 18.87 | 35.21 | 50.72 | 65.71 | 80.32 | 94.65 | 122.62 | 149.89 | 215.9 | 279.71 |
| 26 | 11.03 | 20.57 | 38.39 | 55.3 | 71.64 | 87.58 | 103.19 | 133.69 | 163.43 | 235.4 | 304.96 |
| 30 | 12.87 | 24.01 | 44.81 | 64.54 | 83.62 | 102.21 | 120.44 | 156.03 | 190.74 | 274.74 | 355.93 |
| 32 | 13.8 | 25.75 | 48.04 | 69.2 | 89.65 | 109.59 | 129.14 | 167.3 | 204.51 | 294.57 | 381.63 |
| 35 | 15.2 | 28.36 | 52.93 | 76.23 | 98.76 | 120.73 | 142.26 | 184.3 | 225.29 | 324.51 | 420.41 |
| 40 | 17.56 | 32.76 | 61.14 | 88.06 | 114.08 | 139.46 | 164.33 | 212.89 | 260.24 | 374.85 | 485.62 |

KILLOWATT RATINGS OF SUPER 240

| No. of Teeth Small Spkt. | Revolutions per Minute (RPM)-Small Sprocket | | | | | | | | | | | | |
|--------------------------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 | 125 | 150 |
| | I -b | | II | | | | | | | | III | | |
| 13 | 8.03 | 14.99 | 21.59 | 27.97 | 34.19 | 40.28 | 52.19 | 63.79 | 75.17 | 97.38 | 119.04 | 145.52 | 171.47 |
| 14 | 8.7 | 16.24 | 23.38 | 30.3 | 37.03 | 43.64 | 56.53 | 69.11 | 81.43 | 105.5 | 128.96 | 157.64 | 185.75 |
| 15 | 9.37 | 17.49 | 25.19 | 32.64 | 39.9 | 47.01 | 60.91 | 74.45 | 87.73 | 113.66 | 138.94 | 169.84 | 200.12 |
| 16 | 10.05 | 18.75 | 27.01 | 35.0 | 42.78 | 50.41 | 65.3 | 79.83 | 94.06 | 121.86 | 148.97 | 182.1 | 214.57 |
| 17 | 10.73 | 20.02 | 28.84 | 37.36 | 45.67 | 53.82 | 69.72 | 85.23 | 100.43 | 130.11 | 159.04 | 194.42 | 229.09 |
| 18 | 11.41 | 21.3 | 30.68 | 39.74 | 48.58 | 57.25 | 74.16 | 90.66 | 106.82 | 138.39 | 169.17 | 206.8 | 243.68 |
| 19 | 12.1 | 22.58 | 32.52 | 42.13 | 51.5 | 60.69 | 78.62 | 96.11 | 113.25 | 146.71 | 179.34 | 219.23 | 258.33 |
| 20 | 12.79 | 23.86 | 34.37 | 44.53 | 54.44 | 64.14 | 83.1 | 101.58 | 119.7 | 155.07 | 189.56 | 231.72 | 273.04 |
| 21 | 13.48 | 25.16 | 36.23 | 46.94 | 57.38 | 67.61 | 87.6 | 107.08 | 126.17 | 163.46 | 199.82 | 244.26 | 287.82 |
| 22 | 14.18 | 26.45 | 38.1 | 49.36 | 60.34 | 71.1 | 92.11 | 112.6 | 132.67 | 171.88 | 210.11 | 256.84 | 302.64 |
| 24 | 15.57 | 29.06 | 41.85 | 54.22 | 66.28 | 78.1 | 101.19 | 123.69 | 145.75 | 188.82 | 230.81 | 282.15 | 332.46 |
| 26 | 16.98 | 31.68 | 45.63 | 59.12 | 72.27 | 85.16 | 110.32 | 134.86 | 158.91 | 205.87 | 251.66 | 307.63 | 362.48 |
| 30 | 19.82 | 36.98 | 53.26 | 69.0 | 84.35 | 99.39 | 128.76 | 157.4 | 185.46 | 240.27 | 293.71 | 359.04 | 423.07 |
| 32 | 21.25 | 39.65 | 57.11 | 73.98 | 90.44 | 106.56 | 138.05 | 168.76 | 198.85 | 257.62 | 314.92 | 384.96 | 453.61 |
| 35 | 23.4 | 43.67 | 62.91 | 81.5 | 99.63 | 117.39 | 152.08 | 185.91 | 219.06 | 283.8 | 346.92 | 424.98 | 499.7 |
| 40 | 27.04 | 50.45 | 72.67 | 94.14 | 115.08 | 135.6 | 175.68 | 214.75 | 253.04 | 327.82 | 400.74 | 489.87 | 577.22 |

Note: Lubricated types I, II, and III on the table are shown on page 62.
 : Whenever possible, selection should not be made from the colored sections of the table.

ROLLER CHAINS
 DOUBLE PITCH ROLLER CHAINS
 HOLLOW PIN CHAINS
 CORROSION RESISTANT ROLLER CHAINS
 LEAF CHAINS
 ATTACHMENT CHAINS
 TECHNICAL INFORMATION