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Fenner®

## HRC KYTKIMET

Sähkömoottoreihin

HRC 180 G

Kytkelementti

- Helppo ja nopea asennus
- Saatavana myöskin antistaattisena
- Erinomainen suorituskyky edullisesti



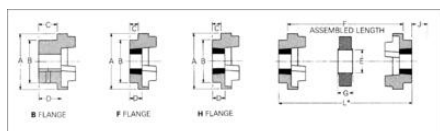
## TUOTEKUVAUS

HRC kytkimet ovat joustavia ja ne on helppo ja nopea asentaa paikalleen, esimerkiksi Taper-Lock -holkeilla. Ne soveltuvat siksi erinoimaisesti sähkömoottorien kanssa käytettäväksi. Saatavilla myös esiporattuna. HRC kytкимиä on myöskin saatavana palonkestävänä ja antistaattisena.

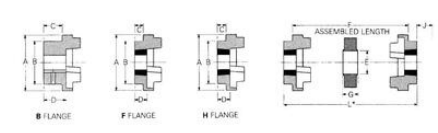
## TEKNISET TIEDOT

### TIEDOT

|      |        |
|------|--------|
| A    | 180 mm |
| B    | 125 mm |
| E    | 77 mm  |
| F    | 73 mm  |
| G    | 49 mm  |
| Koko | 180    |



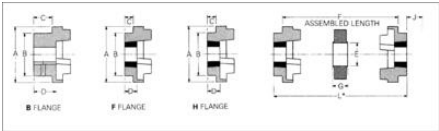
| Speed<br>rpm/min    | Coupling Size |       |       |        |        |        |        |         |         |         |
|---------------------|---------------|-------|-------|--------|--------|--------|--------|---------|---------|---------|
|                     | 70            | 90    | 110   | 130    | 150    | 180    | 230    | 280     | 350     | 450     |
| 100                 | 0.33          | 0.84  | 1.68  | 3.36   | 6.28   | 9.95   | 20.90  | 33.00   | 46.00   | 60.00   |
| 200                 | 0.66          | 1.68  | 3.36  | 6.72   | 12.56  | 19.90  | 41.80  | 66.00   | 92.00   | 120.00  |
| 400                 | 1.32          | 3.36  | 6.72  | 13.44  | 25.12  | 39.80  | 83.60  | 132.00  | 184.00  | 240.00  |
| 600                 | 1.98          | 5.04  | 10.08 | 20.16  | 37.68  | 59.70  | 125.40 | 200.00  | 280.00  | 360.00  |
| 720                 | 2.37          | 6.03  | 12.10 | 23.80  | 45.20  | 71.60  | 151.00 | 238.00  | 328.00  | 428.00  |
| 900                 | 2.97          | 7.56  | 15.12 | 29.76  | 56.52  | 88.30  | 188.00 | 291.00  | 396.00  | 516.00  |
| 1100                | 3.58          | 9.24  | 18.48 | 36.96  | 68.40  | 106.00 | 225.00 | 351.00  | 472.00  | 616.00  |
| 1300                | 4.19          | 10.71 | 21.42 | 42.84  | 79.68  | 122.00 | 258.00 | 402.00  | 536.00  | 704.00  |
| 1500                | 4.79          | 12.18 | 24.36 | 48.72  | 90.96  | 138.00 | 291.00 | 453.00  | 596.00  | 784.00  |
| 1800                | 5.78          | 14.64 | 29.28 | 58.56  | 109.44 | 166.00 | 348.00 | 543.00  | 716.00  | 936.00  |
| 2000                | 6.39          | 16.11 | 32.22 | 64.44  | 120.96 | 182.00 | 381.00 | 604.00  | 796.00  | 1040.00 |
| 2200                | 6.99          | 17.58 | 35.16 | 70.32  | 132.48 | 198.00 | 414.00 | 655.00  | 868.00  | 1144.00 |
| 2500                | 8.19          | 20.46 | 40.92 | 81.84  | 154.08 | 229.00 | 477.00 | 756.00  | 1000.00 | 1312.00 |
| 2800                | 9.39          | 23.34 | 46.68 | 93.36  | 175.68 | 260.00 | 540.00 | 846.00  | 1128.00 | 1480.00 |
| 3000                | 10.00         | 25.20 | 50.40 | 100.80 | 190.08 | 282.00 | 594.00 | 924.00  | 1232.00 | 1616.00 |
| 3600                | 12.00         | 30.24 | 60.48 | 120.96 | 228.48 | 338.00 | 708.00 | 1108.00 | 1472.00 | 1936.00 |
| Nominal Torque (Nm) | 31.5          | 80    | 160   | 315    | 600    | 950    | 2000   | 3150    | 4200    | 5500    |
| Max Torque (Nm)     | 72            | 180   | 360   | 720    | 1500   | 2350   | 5000   | 7200    | 9600    | 12500   |



| PHYSICAL DIMENSIONS AND CHARACTERISTICS |                   |     |     |       |      |            |           |    |      |      |                                |                                         |      |    |     |
|-----------------------------------------|-------------------|-----|-----|-------|------|------------|-----------|----|------|------|--------------------------------|-----------------------------------------|------|----|-----|
| Size                                    | Common Dimensions |     |     |       |      | Type F & H |           |    |      |      | Type B                         |                                         |      |    |     |
|                                         | A                 | B   | E   | F     | G    | Bush<br>mm | Max. bore |    |      | D    | Max.<br>Misalignment<br>(mm/°) | Type B Dia's<br>over cover<br>over core |      |    |     |
|                                         |                   |     |     |       |      |            | C         | B  | D    |      |                                |                                         |      |    |     |
| 70                                      | 69                | 31  | 25  | 25.0  | 18.0 | 1008       | 25        | 17 | 20.0 | 23.5 | 29                             | 32                                      | M 6  | 20 | 23  |
| 90                                      | 85                | 37  | 32  | 30.5  | 22.0 | 1108       | 28        | 19 | 19.5 | 23.5 | 29                             | 42                                      | M 8  | 25 | 30  |
| 110                                     | 112               | 45  | 40  | 40.0  | 28.0 | 1300       | 42        | 19 | 18.5 | 28.5 | 38                             | 50                                      | M 10 | 37 | 43  |
| 130                                     | 130               | 50  | 50  | 53.0  | 36.0 | 1510       | 42        | 19 | 18.0 | 25.5 | 38                             | 60                                      | M 12 | 45 | 53  |
| 150                                     | 150               | 55  | 60  | 60.0  | 40.0 | 1700       | 50        | 2  | 22.5 | 33.5 | 42                             | 70                                      | M 10 | 46 | 56  |
| 180                                     | 180               | 65  | 73  | 73.0  | 49.0 | 2017       | 60        | 2  | 34.5 | 48.5 | 48                             | 85                                      | M 12 | 56 | 68  |
| 230                                     | 225               | 88  | 88  | 88.5  | 59.0 | 2300       | 75        | 3  | 38.5 | 52.5 | 55                             | 100                                     | M 12 | 70 | 85  |
| 280                                     | 275               | 109 | 109 | 105.5 | 74.5 | 2625       | 100       | 4  | 51.0 | 66.5 | 67                             | 125                                     | M 16 | 90 | 108 |

F & H refers to the strength class and material for the coupling body. F & H refers to the bush on the shaft. A shortened version will allow this dimension to be reduced.  
Bore limits M10 unless otherwise specified.

| Size | Assembled Length (L <sub>1</sub> )<br>Coupling Type |       |       | Mass<br>kg | Inertia I <sub>x</sub><br>kgm <sup>2</sup> | Dynamic<br>Stiffness<br>(Nm/°) | Maximum<br>Misalignment |       | Nominal<br>Torque<br>(Nm) |
|------|-----------------------------------------------------|-------|-------|------------|--------------------------------------------|--------------------------------|-------------------------|-------|---------------------------|
|      | FF FH HH                                            | FB HB | BB    |            |                                            |                                | Parallel                | Axial |                           |
| 70   | 65.0                                                | 65.0  | 65.0  | 1.00       | 0.00066                                    | —                              | 0.3                     | +0.2  | 31                        |
| 90   | 85.0                                                | 85.0  | 85.0  | 1.18       | 0.00115                                    | —                              | 0.3                     | +0.3  | 42                        |
| 110  | 105.0                                               | 105.0 | 105.0 | 1.48       | 0.00200                                    | 60                             | 0.3                     | +0.8  | 50                        |
| 130  | 125.0                                               | 125.0 | 125.0 | 1.75       | 0.00300                                    | 120                            | 0.4                     | +0.8  | 60                        |
| 150  | 142.0                                               | 142.0 | 142.0 | 2.00       | 0.00400                                    | 225                            | 0.4                     | +1.1  | 70                        |
| 180  | 164.5                                               | 164.5 | 164.5 | 2.60       | 0.00600                                    | 381                            | 0.5                     | +1.3  | 85                        |
| 230  | 207.5                                               | 207.5 | 207.5 | 4.00       | 0.01200                                    | 600                            | 0.5                     | +1.7  | 125                       |



| Speed<br>rpm/min | Coupling Size   |                |                |                 |                 |                 |                  |                  |  |  |
|------------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|------------------|------------------|--|--|
|                  | 70              | 90             | 110            | 130             | 150             | 180             | 230              | 280              |  |  |
| 100              | 0.33            | 0.84           | 1.68           | 3.36            | 6.28            | 9.96            | 20.90            | 33.00            |  |  |
| 200              | 0.80            | 1.96           | 3.26           | 6.40            | 12.40           | 19.80           | 41.80            | 66.00            |  |  |
| 400              | 1.52            | 3.26           | 6.70           | 13.20           | 25.12           | 39.60           | 83.60            | 132.00           |  |  |
| 600              | 1.96            | 4.00           | 8.10           | 16.40           | 37.00           | 59.50           | 126.00           | 198.00           |  |  |
| 720              | <b>2.37</b>     | <b>6.03</b>    | <b>12.10</b>   | <b>23.80</b>    | <b>45.20</b>    | <b>71.60</b>    | <b>151.00</b>    | <b>238.00</b>    |  |  |
| 800              | <b>2.96</b>     | <b>7.74</b>    | <b>15.40</b>   | <b>30.40</b>    | <b>60.40</b>    | <b>95.00</b>    | <b>200.00</b>    | <b>310.00</b>    |  |  |
| 1100             | <b>4.76</b>     | <b>12.16</b>   | <b>24.16</b>   | <b>47.96</b>    | <b>95.96</b>    | <b>148.96</b>   | <b>302.00</b>    | <b>476.00</b>    |  |  |
| 1400             | <b>6.76</b>     | <b>17.16</b>   | <b>34.16</b>   | <b>67.96</b>    | <b>135.96</b>   | <b>208.96</b>   | <b>418.00</b>    | <b>676.00</b>    |  |  |
| 1600             | <b>8.54</b>     | <b>21.40</b>   | <b>42.80</b>   | <b>85.60</b>    | <b>171.20</b>   | <b>260.80</b>   | <b>520.00</b>    | <b>820.00</b>    |  |  |
| 1800             | <b>9.94</b>     | <b>25.10</b>   | <b>50.20</b>   | <b>100.40</b>   | <b>200.80</b>   | <b>301.20</b>   | <b>602.00</b>    | <b>930.00</b>    |  |  |
| 2000             | <b>11.60</b>    | <b>29.60</b>   | <b>59.20</b>   | <b>118.40</b>   | <b>236.80</b>   | <b>355.20</b>   | <b>710.00</b>    | <b>1100.00</b>   |  |  |
| 2200             | <b>13.52</b>    | <b>34.40</b>   | <b>68.80</b>   | <b>137.60</b>   | <b>275.20</b>   | <b>412.80</b>   | <b>824.00</b>    | <b>1280.00</b>   |  |  |
| 2400             | <b>15.68</b>    | <b>39.60</b>   | <b>79.20</b>   | <b>158.40</b>   | <b>316.80</b>   | <b>475.20</b>   | <b>950.00</b>    | <b>1480.00</b>   |  |  |
| 2600             | <b>18.00</b>    | <b>45.20</b>   | <b>90.40</b>   | <b>180.80</b>   | <b>361.60</b>   | <b>544.00</b>   | <b>1090.00</b>   | <b>1700.00</b>   |  |  |
| 2800             | <b>20.56</b>    | <b>51.20</b>   | <b>102.40</b>  | <b>204.80</b>   | <b>410.00</b>   | <b>620.00</b>   | <b>1240.00</b>   | <b>1960.00</b>   |  |  |
| 3000             | <b>23.36</b>    | <b>57.60</b>   | <b>115.20</b>  | <b>230.40</b>   | <b>462.40</b>   | <b>704.00</b>   | <b>1400.00</b>   | <b>2160.00</b>   |  |  |
| 3600             | <b>35.20</b>    | <b>88.00</b>   | <b>176.00</b>  | <b>352.00</b>   | <b>704.00</b>   | <b>1056.00</b>  | <b>2112.00</b>   | <b>3300.00</b>   |  |  |
| 4000             | <b>49.60</b>    | <b>121.60</b>  | <b>243.20</b>  | <b>496.00</b>   | <b>992.00</b>   | <b>1488.00</b>  | <b>2960.00</b>   | <b>4600.00</b>   |  |  |
| 4500             | <b>70.40</b>    | <b>176.00</b>  | <b>352.00</b>  | <b>704.00</b>   | <b>1408.00</b>  | <b>2112.00</b>  | <b>4224.00</b>   | <b>6480.00</b>   |  |  |
| 5000             | <b>99.20</b>    | <b>251.20</b>  | <b>502.40</b>  | <b>992.00</b>   | <b>1984.00</b>  | <b>2960.00</b>  | <b>5920.00</b>   | <b>9000.00</b>   |  |  |
| 5600             | <b>137.60</b>   | <b>344.00</b>  | <b>688.00</b>  | <b>1376.00</b>  | <b>2752.00</b>  | <b>4128.00</b>  | <b>8240.00</b>   | <b>12800.00</b>  |  |  |
| 6300             | <b>196.00</b>   | <b>496.00</b>  | <b>992.00</b>  | <b>1960.00</b>  | <b>3936.00</b>  | <b>5952.00</b>  | <b>11900.00</b>  | <b>18360.00</b>  |  |  |
| 7200             | <b>275.20</b>   | <b>696.00</b>  | <b>1392.00</b> | <b>2752.00</b>  | <b>5488.00</b>  | <b>8288.00</b>  | <b>16560.00</b>  | <b>25440.00</b>  |  |  |
| 8000             | <b>384.00</b>   | <b>976.00</b>  | <b>1952.00</b> | <b>3840.00</b>  | <b>7680.00</b>  | <b>11584.00</b> | <b>23160.00</b>  | <b>35520.00</b>  |  |  |
| 9000             | <b>528.00</b>   | <b>1328.00</b> | <b>2656.00</b> | <b>5280.00</b>  | <b>10560.00</b> | <b>15840.00</b> | <b>31680.00</b>  | <b>48960.00</b>  |  |  |
| 10000            | <b>704.00</b>   | <b>176.00</b>  | <b>352.00</b>  | <b>704.00</b>   | <b>1408.00</b>  | <b>2112.00</b>  | <b>4224.00</b>   | <b>6480.00</b>   |  |  |
| 11000            | <b>960.00</b>   | <b>240.00</b>  | <b>480.00</b>  | <b>960.00</b>   | <b>1920.00</b>  | <b>2880.00</b>  | <b>5760.00</b>   | <b>8640.00</b>   |  |  |
| 12000            | <b>1280.00</b>  | <b>320.00</b>  | <b>640.00</b>  | <b>1280.00</b>  | <b>2560.00</b>  | <b>3840.00</b>  | <b>7680.00</b>   | <b>11520.00</b>  |  |  |
| 13000            | <b>1600.00</b>  | <b>400.00</b>  | <b>800.00</b>  | <b>1600.00</b>  | <b>3200.00</b>  | <b>4800.00</b>  | <b>9600.00</b>   | <b>14400.00</b>  |  |  |
| 14000            | <b>1920.00</b>  | <b>480.00</b>  | <b>960.00</b>  | <b>1920.00</b>  | <b>3840.00</b>  | <b>5760.00</b>  | <b>11520.00</b>  | <b>17280.00</b>  |  |  |
| 15000            | <b>2240.00</b>  | <b>560.00</b>  | <b>1120.00</b> | <b>2240.00</b>  | <b>4480.00</b>  | <b>6720.00</b>  | <b>13440.00</b>  | <b>20160.00</b>  |  |  |
| 16000            | <b>2560.00</b>  | <b>640.00</b>  | <b>1280.00</b> | <b>2560.00</b>  | <b>5120.00</b>  | <b>7680.00</b>  | <b>15360.00</b>  | <b>22944.00</b>  |  |  |
| 17000            | <b>2880.00</b>  | <b>720.00</b>  | <b>1440.00</b> | <b>2880.00</b>  | <b>5760.00</b>  | <b>8640.00</b>  | <b>17280.00</b>  | <b>25824.00</b>  |  |  |
| 18000            | <b>3200.00</b>  | <b>800.00</b>  | <b>1600.00</b> | <b>3200.00</b>  | <b>6400.00</b>  | <b>9600.00</b>  | <b>19200.00</b>  | <b>28800.00</b>  |  |  |
| 19000            | <b>3520.00</b>  | <b>880.00</b>  | <b>1760.00</b> | <b>3520.00</b>  | <b>7040.00</b>  | <b>10560.00</b> | <b>21120.00</b>  | <b>31776.00</b>  |  |  |
| 20000            | <b>3840.00</b>  | <b>960.00</b>  | <b>1920.00</b> | <b>3840.00</b>  | <b>7680.00</b>  | <b>11520.00</b> | <b>23040.00</b>  | <b>34752.00</b>  |  |  |
| 21000            | <b>4160.00</b>  | <b>1040.00</b> | <b>2080.00</b> | <b>4160.00</b>  | <b>8320.00</b>  | <b>12480.00</b> | <b>24960.00</b>  | <b>37728.00</b>  |  |  |
| 22000            | <b>4480.00</b>  | <b>1120.00</b> | <b>2240.00</b> | <b>4480.00</b>  | <b>8960.00</b>  | <b>13440.00</b> | <b>26880.00</b>  | <b>40704.00</b>  |  |  |
| 23000            | <b>4800.00</b>  | <b>1200.00</b> | <b>2400.00</b> | <b>4800.00</b>  | <b>9600.00</b>  | <b>14400.00</b> | <b>28800.00</b>  | <b>43680.00</b>  |  |  |
| 24000            | <b>5120.00</b>  | <b>1280.00</b> | <b>2560.00</b> | <b>5120.00</b>  | <b>10240.00</b> | <b>15360.00</b> | <b>30720.00</b>  | <b>46656.00</b>  |  |  |
| 25000            | <b>5440.00</b>  | <b>1360.00</b> | <b>2720.00</b> | <b>5440.00</b>  | <b>10880.00</b> | <b>16320.00</b> | <b>32640.00</b>  | <b>49632.00</b>  |  |  |
| 26000            | <b>5760.00</b>  | <b>1440.00</b> | <b>2880.00</b> | <b>5760.00</b>  | <b>11520.00</b> | <b>17280.00</b> | <b>34560.00</b>  | <b>52608.00</b>  |  |  |
| 27000            | <b>6080.00</b>  | <b>1520.00</b> | <b>3040.00</b> | <b>6080.00</b>  | <b>12160.00</b> | <b>18240.00</b> | <b>36480.00</b>  | <b>55584.00</b>  |  |  |
| 28000            | <b>6400.00</b>  | <b>1600.00</b> | <b>3200.00</b> | <b>6400.00</b>  | <b>12800.00</b> | <b>19200.00</b> | <b>38400.00</b>  | <b>58560.00</b>  |  |  |
| 29000            | <b>6720.00</b>  | <b>1680.00</b> | <b>3360.00</b> | <b>6720.00</b>  | <b>13440.00</b> | <b>20160.00</b> | <b>40320.00</b>  | <b>61536.00</b>  |  |  |
| 30000            | <b>7040.00</b>  | <b>1760.00</b> | <b>3520.00</b> | <b>7040.00</b>  | <b>14080.00</b> | <b>21120.00</b> | <b>42240.00</b>  | <b>64512.00</b>  |  |  |
| 31000            | <b>7360.00</b>  | <b>1840.00</b> | <b>3680.00</b> | <b>7360.00</b>  | <b>14720.00</b> | <b>22080.00</b> | <b>44160.00</b>  | <b>67488.00</b>  |  |  |
| 32000            | <b>7680.00</b>  | <b>1920.00</b> | <b>3840.00</b> | <b>7680.00</b>  | <b>15360.00</b> | <b>23040.00</b> | <b>46080.00</b>  | <b>70464.00</b>  |  |  |
| 33000            | <b>8000.00</b>  | <b>2000.00</b> | <b>4000.00</b> | <b>8000.00</b>  | <b>16000.00</b> | <b>24000.00</b> | <b>48000.00</b>  | <b>73440.00</b>  |  |  |
| 34000            | <b>8320.00</b>  | <b>2080.00</b> | <b>4160.00</b> | <b>8320.00</b>  | <b>16640.00</b> | <b>24960.00</b> | <b>49920.00</b>  | <b>76416.00</b>  |  |  |
| 35000            | <b>8640.00</b>  | <b>2160.00</b> | <b>4320.00</b> | <b>8640.00</b>  | <b>17280.00</b> | <b>25920.00</b> | <b>51840.00</b>  | <b>79392.00</b>  |  |  |
| 36000            | <b>8960.00</b>  | <b>2240.00</b> | <b>4480.00</b> | <b>8960.00</b>  | <b>17920.00</b> | <b>26880.00</b> | <b>53760.00</b>  | <b>82368.00</b>  |  |  |
| 37000            | <b>9280.00</b>  | <b>2320.00</b> | <b>4640.00</b> | <b>9280.00</b>  | <b>18560.00</b> | <b>27840.00</b> | <b>55680.00</b>  | <b>85344.00</b>  |  |  |
| 38000            | <b>9600.00</b>  | <b>2400.00</b> | <b>4800.00</b> | <b>9600.00</b>  | <b>19200.00</b> | <b>28800.00</b> | <b>57600.00</b>  | <b>88320.00</b>  |  |  |
| 39000            | <b>9920.00</b>  | <b>2480.00</b> | <b>4960.00</b> | <b>9920.00</b>  | <b>19840.00</b> | <b>29760.00</b> | <b>59520.00</b>  | <b>91296.00</b>  |  |  |
| 40000            | <b>10240.00</b> | <b>2560.00</b> | <b>5120.00</b> | <b>10240.00</b> | <b>20480.00</b> | <b>30720.00</b> | <b>61440.00</b>  | <b>94272.00</b>  |  |  |
| 41000            | <b>10560.00</b> | <b>2640.00</b> | <b>5280.00</b> | <b>10560.00</b> | <b>21120.00</b> | <b>31680.00</b> | <b>63360.00</b>  | <b>97248.00</b>  |  |  |
| 42000            | <b>10880.00</b> | <b>2720.00</b> | <b>5440.00</b> | <b>10880.00</b> | <b>21760.00</b> | <b>32640.00</b> | <b>65280.00</b>  | <b>100224.00</b> |  |  |
| 43000            | <b>11200.00</b> | <b>2800.00</b> | <b>5600.00</b> | <b>11200.00</b> | <b>22400.00</b> | <b>33600.00</b> | <b>67200.00</b>  | <b>103200.00</b> |  |  |
| 44000            | <b>11520.00</b> | <b>2880.00</b> | <b>5760.00</b> | <b>11520.00</b> | <b>23040.00</b> | <b>34560.00</b> | <b>69120.00</b>  | <b>106176.00</b> |  |  |
| 45000            | <b>11840.00</b> | <b>2960.00</b> | <b>5920.00</b> | <b>11840.00</b> | <b>23680.00</b> | <b>35520.00</b> | <b>71040.00</b>  | <b>109152.00</b> |  |  |
| 46000            | <b>12160.00</b> | <b>3040.00</b> | <b>6080.00</b> | <b>12160.00</b> | <b>24320.00</b> | <b>36480.00</b> | <b>72960.00</b>  | <b>112128.00</b> |  |  |
| 47000            | <b>12480.00</b> | <b>3120.00</b> | <b>6240.00</b> | <b>12480.00</b> | <b>24960.00</b> | <b>37440.00</b> | <b>74880.00</b>  | <b>115104.00</b> |  |  |
| 48000            | <b>12800.00</b> | <b>3200.00</b> | <b>6400.00</b> | <b>12800.00</b> | <b>25600.00</b> | <b>38400.00</b> | <b>76800.00</b>  | <b>118080.00</b> |  |  |
| 49000            | <b>13120.00</b> | <b>3280.00</b> | <b>6560.00</b> | <b>13120.00</b> | <b>26240.00</b> | <b>39360.00</b> | <b>78720.00</b>  | <b>121056.00</b> |  |  |
| 50000            | <b>13440.00</b> | <b>3360.00</b> | <b>6720.00</b> | <b>13440.00</b> | <b>26880.00</b> | <b>40320.00</b> | <b>80640.00</b>  | <b>124032.00</b> |  |  |
| 51000            | <b>13760.00</b> | <b>3440.00</b> | <b>6880.00</b> | <b>13760.00</b> | <b>27520.00</b> | <b>41280.00</b> | <b>82560.00</b>  | <b>127008.00</b> |  |  |
| 52000            | <b>14080.00</b> | <b>3520.00</b> | <b>7040.00</b> | <b>14080.00</b> | <b>28160.00</b> | <b>42240.00</b> | <b>84480.00</b>  | <b>130000.00</b> |  |  |
| 53000            | <b>14400.00</b> | <b>3600.00</b> | <b>7200.00</b> | <b>14400.00</b> | <b>28800.00</b> | <b>43200.00</b> | <b>86400.00</b>  | <b>133000.00</b> |  |  |
| 54000            | <b>14720.00</b> | <b>3680.00</b> | <b>7360.00</b> | <b>14720.00</b> | <b>29440.00</b> | <b>44160.00</b> | <b>88320.00</b>  | <b>136000.00</b> |  |  |
| 55000            | <b>15040.00</b> | <b>3760.00</b> | <b>7520.00</b> | <b>15040.00</b> | <b>30080.00</b> | <b>45120.00</b> | <b>90240.00</b>  | <b>139000.00</b> |  |  |
| 56000            | <b>15360.00</b> | <b>3840.00</b> | <b>7680.00</b> | <b>15360.00</b> | <b>30720.00</b> | <b>46080.00</b> | <b>92160.00</b>  | <b>142000.00</b> |  |  |
| 57000            | <b>15680.00</b> | <b>3920.00</b> | <b>7840.00</b> | <b>15680.00</b> | <b>31360.00</b> | <b>47040.00</b> | <b>94080.00</b>  | <b>145000.00</b> |  |  |
| 58000            | <b>16000.00</b> | <b>4000.00</b> | <b>8000.00</b> | <b>16000.00</b> | <b>32000.00</b> | <b>48000.00</b> | <b>96000.00</b>  | <b>148000.00</b> |  |  |
| 59000            | <b>16320.00</b> | <b>4080.00</b> | <b>8160.00</b> | <b>16320.00</b> | <b>32640.00</b> | <b>48960.00</b> | <b>97920.00</b>  | <b>151000.00</b> |  |  |
| 60000            | <b>16640.00</b> | <b>4160.00</b> | <b>8320.00</b> | <b>16640.00</b> | <b>33280.00</b> | <b>49920.00</b> | <b>99840.00</b>  | <b>154000.00</b> |  |  |
| 61000            | <b>16960.00</b> | <b>4240.00</b> | <b>8480.00</b> | <b>16960.00</b> | <b>33920.00</b> | <b>50880.00</b> | <b>101760.00</b> | <b>157000.00</b> |  |  |
| 62000            | <b>17280.00</b> | <b>4320.00</b> | <b>8640.00</b> | <b>17280.00</b> | <b>34560.00</b> | <b>51840.00</b> | <b>103680.00</b> | <b>160000.00</b> |  |  |
| 63000            | <b>17600.00</b> | <b>4400.00</b> | <b>8800.00</b> | <b>17600.00</b> | <b>35200.00</b> | <b>52800.00</b> | <b>105600.00</b> | <b>163000.00</b> |  |  |
| 64000            | <b>17920.00</b> | <b>4480.00</b> | <b>8960.00</b> | <b>17920.00</b> | <b>35840.00</b> | <b>53760.00</b> | <b>107520.00</b> | <b>166000.00</b> |  |  |
| 65000            | <b>18240.00</b> | <b>4560.00</b> | <b>9120.00</b> | <b>18240.00</b> | <b>36480.00</b> | <b>54720.00</b> | <b>109440.00</b> | <b>169000.00</b> |  |  |
| 66000            | <b>18560.00</b> | <b>4640.00</b> | <b>9280.00</b> | <b>18560.00</b> |                 |                 |                  |                  |  |  |