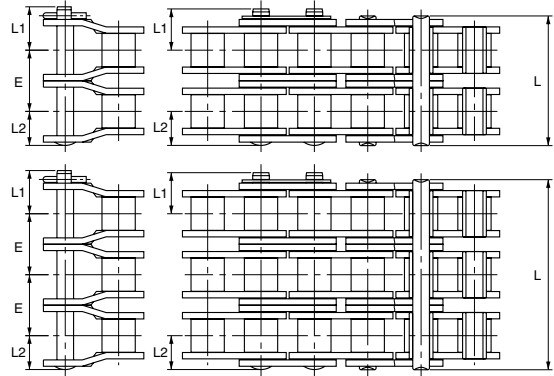
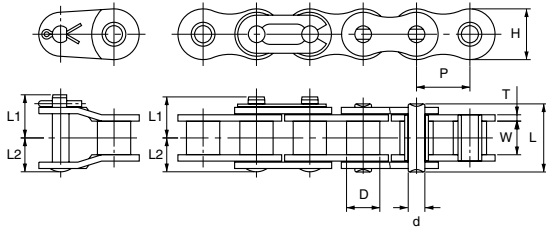


# OCM ANSI ROLLER CHAIN

Chain No. **50** Pitch • 0.625inch / 15.875mm



UNIT Upper:inch  
Beneath:mm

| OCM Chain No. | ANSI No. | Pitch P         | Roller Diam. D | Width between L.P. W |               | Link Plate H T |               | Pin Diam. d    | Pin L L1 L2   |               |               | Trans Pitch E    | Average Tensile Strength Lb/kg | Max. Working Load Lb/kg | Approx Weight Lb/ft kg/m |
|---------------|----------|-----------------|----------------|----------------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|------------------|--------------------------------|-------------------------|--------------------------|
|               |          |                 |                | W                    | H             | T              | L             |                | L1            | L2            |               |                  |                                |                         |                          |
| OCM50         | 50       | 0.625<br>15.875 | 0.400<br>10.16 | 0.376<br>9.55        | 0.591<br>15.0 | 0.079<br>2.0   | 0.200<br>5.08 | 0.800<br>20.3  | 0.477<br>12.1 | 0.410<br>10.4 | 0.713<br>18.1 | 7,166<br>3,250   | 1,389<br>630                   | 0.713<br>1.08           |                          |
| OCM50-2       | 50-2     | 0.625<br>15.875 | 0.400<br>10.16 | 0.376<br>9.55        | 0.591<br>15.0 | 0.079<br>2.0   | 0.200<br>5.08 | 1.513<br>38.4  | 0.477<br>12.1 | 0.410<br>10.4 | 0.713<br>18.1 | 14,333<br>6,500  | 2,360<br>1,070                 | 1.406<br>2.13           |                          |
| OCM50-3       | 50-3     | 0.625<br>15.875 | 0.400<br>10.16 | 0.376<br>9.55        | 0.591<br>15.0 | 0.079<br>2.0   | 0.200<br>5.08 | 2.230<br>56.6  | 0.477<br>12.1 | 0.410<br>10.4 | 0.713<br>18.1 | 21,499<br>9,750  | 3,462<br>1,570                 | 2.099<br>3.18           |                          |
| OCM50-4       | 50-4     | 0.625<br>15.875 | 0.400<br>10.16 | 0.376<br>9.55        | 0.591<br>15.0 | 0.079<br>2.0   | 0.200<br>5.08 | 2.943<br>74.7  | 0.477<br>12.1 | 0.410<br>10.4 | 0.713<br>18.1 | 28,665<br>13,000 | 4,564<br>2,070                 | 2.792<br>4.23           |                          |
| OCM50-5       | 50-5     | 0.625<br>15.875 | 0.400<br>10.16 | 0.376<br>9.55        | 0.591<br>15.0 | 0.079<br>2.0   | 0.200<br>5.08 | 3.656<br>92.8  | 0.477<br>12.1 | 0.410<br>10.4 | 0.713<br>18.1 | 35,831<br>16,250 | 5,402<br>2,450                 | 3.485<br>5.28           |                          |
| OCM50-6       | 50-6     | 0.625<br>15.875 | 0.400<br>10.16 | 0.376<br>9.55        | 0.591<br>15.0 | 0.079<br>2.0   | 0.200<br>5.08 | 4.369<br>110.9 | 0.477<br>12.1 | 0.410<br>10.4 | 0.713<br>18.1 | 42,998<br>19,500 | 6,372<br>2,890                 | 4.171<br>6.32           |                          |

1. Rivetted construction is standard.  
Note: Dimensions subject to change. Certified dimensions furnished upon request.

## HORSEPOWER RATINGS SINGLE STRAND ROLLER CHAIN

| No. of Teeth Small Spkt. | REVOLUTIONS PER MINUTE-SMALL SPROCKET (rpm) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                          | 10  | 25   | 50   | 100  | 200  | 300  | 400  | 500  | 700  | 900  | 1000 | 1200 | 1400 | 1600 | 1800 | 2100 | 2400 | 2700 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 |
| 11                       | 0.23  | 0.53 | 0.99 | 1.84 | 3.44 | 4.95 | 6.42 | 7.85 | 10.6 | 13.3 | 10.6 | 10.2 | 8.13 | 6.66 | 5.58 | 4.43 | 3.62 | 3.04 | 2.59 | 2.06 | 1.68 | 1.41 | 1.20 | 1.04 | 0.92 |
| 12                       | 0.25  | 0.58 | 1.09 | 2.02 | 3.78 | 5.44 | 7.05 | 8.62 | 11.7 | 11.7 | 11.7 | 11.7 | 9.27 | 7.58 | 6.36 | 5.04 | 4.13 | 3.46 | 2.95 | 2.34 | 1.92 | 1.61 | 1.37 | 1.19 | 1.04 |
| 13                       | 0.28  | 0.63 | 1.18 | 2.21 | 4.12 | 5.93 | 7.69 | 9.40 | 12.7 | 13.2 | 13.2 | 13.2 | 10.4 | 8.55 | 7.17 | 5.69 | 4.65 | 3.90 | 3.33 | 2.64 | 2.16 | 1.81 | 1.55 | 1.34 | 0    |
| 14                       | 0.30  | 0.69 | 1.28 | 2.39 | 4.46 | 6.43 | 8.33 | 10.2 | 13.8 | 14.8 | 14.8 | 14.8 | 11.7 | 9.56 | 8.01 | 6.36 | 5.20 | 4.36 | 3.72 | 2.95 | 2.42 | 2.03 | 1.73 | 1.50 | 0    |
| 15                       | 0.32  | 0.74 | 1.38 | 2.58 | 4.81 | 6.93 | 8.97 | 11.0 | 14.8 | 16.4 | 16.4 | 16.4 | 12.9 | 10.6 | 8.88 | 7.05 | 5.77 | 4.84 | 4.13 | 3.28 | 2.68 | 2.25 | 1.92 | 1.66 | 0    |
| 16                       | 0.35  | 0.79 | 1.48 | 2.76 | 5.16 | 7.43 | 9.62 | 11.8 | 15.9 | 18.0 | 18.0 | 18.0 | 14.3 | 11.7 | 9.79 | 7.77 | 6.36 | 5.33 | 4.55 | 3.61 | 2.95 | 2.48 | 2.11 | 1.83 | 0    |
| 17                       | 0.37  | 0.85 | 1.58 | 2.95 | 5.50 | 7.93 | 10.3 | 12.6 | 17.0 | 19.7 | 19.7 | 19.7 | 15.6 | 12.8 | 10.7 | 8.50 | 6.96 | 5.83 | 4.98 | 3.95 | 3.24 | 2.71 | 2.31 | 2.01 | 0    |
| 18                       | 0.39  | 0.90 | 1.68 | 3.14 | 5.85 | 8.43 | 10.9 | 13.4 | 18.1 | 21.2 | 21.2 | 21.2 | 17.0 | 13.9 | 11.7 | 9.27 | 7.58 | 6.36 | 5.43 | 4.31 | 3.52 | 2.95 | 2.52 | 0    |      |
| 19                       | 0.42  | 0.96 | 1.78 | 3.33 | 6.21 | 8.94 | 11.6 | 14.2 | 19.2 | 22.5 | 22.5 | 22.5 | 18.5 | 15.1 | 12.7 | 10.0 | 8.22 | 6.89 | 5.89 | 4.67 | 3.82 | 3.20 | 2.74 | 0    |      |
| 20                       | 0.44  | 1.01 | 1.88 | 3.52 | 6.56 | 9.45 | 12.2 | 15.0 | 20.3 | 23.7 | 23.7 | 23.7 | 19.9 | 16.3 | 13.7 | 10.9 | 8.88 | 7.44 | 6.36 | 5.04 | 4.13 | 3.46 | 2.95 | 0    |      |
| 21                       | 0.47  | 1.06 | 1.99 | 3.71 | 6.91 | 9.96 | 12.9 | 15.8 | 21.4 | 25.1 | 25.1 | 25.1 | 21.5 | 17.6 | 14.7 | 11.7 | 9.56 | 8.01 | 6.84 | 5.43 | 4.44 | 3.72 | 3.18 | 0    |      |
| 22                       | 0.49  | 1.12 | 2.09 | 3.90 | 7.27 | 10.5 | 13.6 | 16.6 | 22.5 | 26.3 | 26.3 | 26.3 | 23.0 | 18.8 | 15.8 | 12.5 | 10.2 | 8.59 | 7.33 | 5.82 | 4.76 | 3.99 | 3.41 | 0    |      |
| 23                       | 0.51  | 1.17 | 2.19 | 4.09 | 7.63 | 11.0 | 14.2 | 17.4 | 23.6 | 27.6 | 27.6 | 27.6 | 24.6 | 20.1 | 16.9 | 13.4 | 11.0 | 9.18 | 7.84 | 6.22 | 5.09 | 4.27 | 0    |      |      |
| 24                       | 0.54  | 1.23 | 2.29 | 4.28 | 7.99 | 11.5 | 14.9 | 18.2 | 24.7 | 29.0 | 29.0 | 29.0 | 26.2 | 21.5 | 18.0 | 14.3 | 11.7 | 9.79 | 8.36 | 6.63 | 5.43 | 4.55 | 0    |      |      |
| 25                       | 0.56  | 1.28 | 2.40 | 4.47 | 8.35 | 12.0 | 15.6 | 19.0 | 25.8 | 30.2 | 30.2 | 30.2 | 27.9 | 22.8 | 19.1 | 15.2 | 12.4 | 10.4 | 8.88 | 7.05 | 5.77 | 4.84 | 0    |      |      |
| 26                       | 0.59  | 1.34 | 2.50 | 4.67 | 8.71 | 12.5 | 16.3 | 19.9 | 26.9 | 31.5 | 31.5 | 31.5 | 29.6 | 24.2 | 20.3 | 16.1 | 13.2 | 11.0 | 9.42 | 7.48 | 6.12 | 5.13 | 0    |      |      |
| 28                       | 0.64  | 1.45 | 2.71 | 5.06 | 9.43 | 13.6 | 17.6 | 21.5 | 29.1 | 34.2 | 34.2 | 34.2 | 33.0 | 27.0 | 22.7 | 18.0 | 14.7 | 12.3 | 10.5 | 8.36 | 6.84 | 5.73 | 0    |      |      |
| 30                       | 0.69  | 1.56 | 2.92 | 5.45 | 10.2 | 14.6 | 19.0 | 23.2 | 31.4 | 36.9 | 36.9 | 36.9 | 36.6 | 30.0 | 25.1 | 19.9 | 16.3 | 13.7 | 11.7 | 9.27 | 7.58 | 0    |      |      |      |
| 32                       | 0.74  | 1.68 | 3.13 | 5.84 | 10.9 | 15.7 | 20.3 | 24.9 | 33.7 | 40.4 | 40.4 | 40.4 | 40.4 | 33.0 | 27.7 | 22.0 | 18.0 | 15.1 | 12.9 | 10.2 | 8.36 | 0    |      |      |      |
| 35                       | 0.81  | 1.85 | 3.45 | 6.43 | 12.0 | 17.3 | 22.4 | 27.4 | 37.1 | 46.1 | 46.1 | 46.1 | 46.1 | 37.8 | 31.7 | 25.1 | 20.6 | 17.2 | 14.7 | 11.7 | 9.56 | 0    |      |      |      |
| 40                       | 0.94  | 2.13 | 3.98 | 7.43 | 13.9 | 20.0 | 25.9 | 31.6 | 42.8 | 53.7 | 56.5 | 56.5 | 56.5 | 46.2 | 38.7 | 30.7 | 25.1 | 21.1 | 18.0 | 14.3 | 0    |      |      |      |      |

| Lubri-cation | I | II | III |
|--------------|---|----|-----|
|--------------|---|----|-----|

Remarks) 1. For HP rating of multiple strand, multiply the HP above by multiple strand factor shown in the table at right.  
2. The operation in right part of the dotted line is not recommended.  
3. The lubrication type is as follows. Type I : Manual & Drip feed, Type II : Oil bath and Disc, Type III : Pump  
4. Dimensions & Ratings are subject to change without notice. Certified dimensions furnished upon request.

| Number of Strands       | 2   | 3   | 4   | 5   | 6   |
|-------------------------|-----|-----|-----|-----|-----|
| Multiple Strand Factors | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |