

The American Chain Association

Improved Power Ratings for Single Strand Roller Chain

The American Chain Association (ACA) first published power ratings for roller chain in 1961.

After much research and analysis, the American Chain Association (ACA) has developed improved power ratings for ANSI Standard roller chains. They represent a notable upgrade to the original power ratings.

The new ratings feature:

- New speed factors that increase the power capacity of standard series chain by 10% to 30% at moderate to high speeds.
- New, never before published, ratings for Heavy series chains that increase power capacity by 5% to 15% over standard series chains at low to moderate speeds.
- New galling limits that permit larger pitch (1 inch pitch and larger) chains to run at significantly higher speeds than before.
- New lubrication limits that provide much more flexibility to drive designers.

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6724 Lone Oak Blvd.
Naples, Florida 34109
239-514-3441

E-mail: aca@americanchainassn.org
Web Site: <http://www.americanchainassn.org>

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INTRODUCTION

ROLLER CHAIN DRIVE SELECTION (Adapted from ASME B29.1)

1 Design Factors

1.1 General.

The horsepower ratings, in the ACA Horsepower Ratings Tables that follow this introduction, generally apply to lubricated single pitch, single strand roller chains, both American National standard and heavy series.

For horsepower ratings of multiple strand chains, refer to Table 2, below.

The horsepower ratings reflect a service factor of 1, a chain length of approximately 100 pitches, the use of interference fit connecting links, use of recommended lubrication methods, and a drive arrangement where two aligned sprockets are mounted on parallel shafts in a horizontal plane. Under these conditions, approximately 15,000 hr of service life at full load operation may be expected.

Increases in rated speeds and loads may be utilized when a service life of less than 15,000 hr is satisfactory, or when full load operation is encountered only during a portion of the required service life. It is beyond the scope of this publication to present selection procedures for all conditions. Consult chain manufacturers for assistance with these or any other special application requirements.

1.2 Drive Selection.

The horsepower ratings relate to the speed of the smaller sprocket and drive selections are made on this basis, whether the drive is speed reducing or speed increasing.

Drives with more than two sprockets, idlers, composite duty cycles, or other unusual conditions often require special consideration. It is advisable to consult chain manufacturers for selections of this nature.

Where quietness or extra smooth operation, are of special importance, a small pitch chain operating over large diameter sprockets will minimize noise and vibration.

When making drive selections, consideration is given to the loads imposed on the chain by the type of input power and the type of equipment to be driven. Service factors are used to compensate for these loads, and the required horsepower rating of the chain is determined by the following equation:

$$\text{Required hp, table rating} = \frac{\text{hp to be transmitted} \times \text{service factor}}{\text{multiple strand factor}}$$

1.3 Service Factors.

The service factors in Table 1, below, are for normal chain loading. For unusual or extremely severe operating conditions not shown in this table, it is desirable to use larger service factors.

1.4 Multiple Strand Factors.

Horsepower ratings for single strand chains are shown in the ACA Horsepower Ratings Tables that follow this introduction.

The horsepower ratings for multiple strand chains equal single strand ratings multiplied by the factors shown in Table 2, below.

TABLE 1 – SERVICE FACTORS

| Type of Driven Load | Internal Combustion Engine with Hydraulic Drive | Electric Motor or Turbine | Internal Combustion Engine with Mechanical Drive |
|---------------------|---|---------------------------|--|
| Smooth | 1.0 | 1.0 | 1.2 |
| Moderate Shock | 1.2 | 1.3 | 1.4 |
| Heavy Shock | 1.4 | 1.5 | 1.7 |

TABLE 2 MULTIPLE STRAND FACTORS

| Number of Strands | Multiple Strand Factor |
|-------------------|------------------------|
| 2 | 1.7 |
| 3 | 2.5 |
| 4 | 3.3 |

2 Lubrication

It has been shown that a separating wedge of fluid lubricant is formed in operating chain joints much like that formed in journal bearings. Therefore, fluid lubricant must be applied to assure an oil supply to the joints and minimize metal-to-metal contact. Lubrication, if supplied in sufficient volume, also provides effective cooling and impact damping at the higher speeds. For this reason, it is important that the lubrication recommendations be followed. *The horsepower rating tables apply only to drives lubricated in the manner specified in the tables.*

NOTE- Zero values in the horsepower rating tables indicate speeds beyond the maximum recommended. Operation at these speeds may result in excessive chain joint galling, regardless of the volume of lubricant applied.

Chain drives should be protected against dirt and moisture and the oil supply kept free of contamination. Periodic oil change is desirable. A good grade of non-detergent petroleum base oil is recommended. Heavy oils and greases are generally too stiff to enter and fill the chain joints. Table 3, below, indicates the proper lubricant viscosity for various surrounding temperatures.

There are three basic types of lubrication for chain drives. The recommended type shown in the horsepower rating tables is influenced by chain speed and the amount of power transmitted. These are *minimum* lubrication requirements, and the use of a better type (e.g., Type C instead of Type B) is acceptable and may be beneficial. Chain life can vary appreciably depending upon the way the drive is lubricated. The better the lubrication, the longer the chain life. For this reason, it is important that the lubrication recommendations be followed when using the ratings given in these tables.

(a) Type A - Manual or Drip Lubrication

(1) For manual lubrication, oil is applied copiously with a brush or spout can at least once every 8 hr of operation. Volume and frequency should be sufficient to prevent overheating of the chain or discoloration in the chain joints.

(2) For drip lubrication, oil drops are directed between the link plate edges from a drip lubricator. Volume and frequency should be sufficient to prevent discoloration of lubricant in the chain joints. Precaution must be taken against misdirection of the drops by windage.

(b) Type B - Bath or Disc Lubrication

(1) For bath lubrication, the lower strand of chain runs through a sump of oil in the drive housing. The oil level should reach the pitch line of the chain at its lowest point while operating.

(2) For disc lubrication, the chain operates above the oil level. The disc picks up oil from the sump and deposits it onto the chain, usually by means of a trough. The diameter of the

disc should be such as to produce rim speeds between 600 ft/min minimum and 8000 ft/min maximum.

(c) Type C - Oil Stream Lubrication.

The lubricant is usually supplied by a circulating pump capable of supplying each chain drive with a continuous stream of oil. The oil should be directed at the slack strand and applied inside the chain loop and evenly across the chain width.

Consult chain manufacturers when it appears desirable to use a type of lubrication other than that recommended.

TABLE 3 LUBRICANT VISCOSITY

| Temperature, Deg. F | Recommended Lubricant |
|---------------------|-----------------------|
| 20 - 40 | SAE 20 |
| 40 - 100 | SAE 30 |
| 100 - 120 | SAE 40 |
| 120 - 140 | SAE 50 |

3 Sprockets

Sprockets should have tooth form, thickness, profile, and diameters conforming to this Standard. For maximum service life, small sprockets operating at moderate to high speeds, or near the rated horsepower, should have hardened teeth. Normally, large sprockets should not exceed 120 teeth.

4 Center Distance

In general, a center distance of 30 to 50 chain pitches is most desirable. The distance between the sprocket centers should provide at least 120 deg. chain wrap on the smaller sprocket.

Drives may be installed with either adjustable or fixed center distances. Adjustable centers simplify the control of chain slack.

For drives on fixed centers, an idler or shoe may be used to provide slack adjustment. These devices may also be used to control backlash, or to assure 120 deg. minimum chain wrap on the smaller sprocket. *Sufficient housing clearance must always be provided for the slack chain to obtain full chain life.*

5 Alignment

Accurate alignment of shafts and sprocket tooth faces provides uniform distribution of the load across the entire chain width and contributes substantially to optimum drive life. Shafting, bearings, and foundations should be suitable to maintain the initial alignment. Periodic maintenance should include an inspection of alignment to insure optimum chain life,

6 Horsepower Ratings Tables

To properly use the ACA Horsepower Ratings Tables that follow this introduction, the following factors must be taken into consideration:

(a) service factors of Table 1;

(b) multiple strand factors of Table 2;

(c) lubrication. The horsepower established from the sprocket and speed combination of the drive under consideration will indicate a method of lubrication. This method or a better one must be used to obtain optimum chain life.

NOTE: The horsepower ratings permit the use of interference-fit connecting links. Chains using interference-fit offset sections or slip-fit connecting links may not meet these ratings. Chains using slip-fit offset links will not meet these ratings. Consult the chain manufacturer for specific de-rating factors for their slip-fit connecting links, offset sections and offset links.

End of Introduction

Improved HP Ratings Tables follow.

American Chain Association (ACA)

Horsepower Ratings Tables for Single Strand Roller Chain

Chain No:

25

35

40

41

50

60

60-H

80

80-H

100

100-H

120

120-H

140

140-H

160

160-H

180

180-H

200

200-H

240

240-H

25 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 25 -- 2001

| No. of Teeth | 0.250 inch Pitch | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | 50 | 100 | 300 | 365 | 500 | 700 | 900 | 1200 | 1500 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 7000 | 8000 | 9000 | 10000 | 11000 | 12000 |
| 11 | 0.03 | 0.06 | 0.19 | 0.22 | 0.30 | 0.42 | 0.53 | 0.70 | 0.87 | 1.03 | 1.20 | 1.42 | 1.69 | 1.69 | 1.38 | 1.16 | 0.99 | 0.86 | 0.75 | 0.60 | 0.49 | 0.41 | 0.35 | 0.30 | 0.27 |
| 12 | 0.04 | 0.07 | 0.20 | 0.24 | 0.33 | 0.46 | 0.58 | 0.76 | 0.95 | 1.13 | 1.31 | 1.55 | 1.84 | 1.92 | 1.57 | 1.32 | 1.12 | 0.97 | 0.86 | 0.68 | 0.56 | 0.47 | 0.40 | 0.34 | 0.30 |
| 13 | 0.04 | 0.08 | 0.22 | 0.26 | 0.36 | 0.49 | 0.63 | 0.83 | 1.03 | 1.22 | 1.42 | 1.67 | 1.99 | 2.17 | 1.77 | 1.49 | 1.27 | 1.10 | 0.96 | 0.77 | 0.63 | 0.53 | 0.45 | 0.39 | 0.34 |
| 14 | 0.04 | 0.08 | 0.24 | 0.28 | 0.38 | 0.53 | 0.68 | 0.89 | 1.10 | 1.32 | 1.52 | 1.80 | 2.15 | 2.42 | 1.98 | 1.66 | 1.42 | 1.23 | 1.08 | 0.86 | 0.70 | 0.59 | 0.50 | 0.43 | 0.38 |
| 15 | 0.05 | 0.09 | 0.25 | 0.30 | 0.41 | 0.57 | 0.72 | 0.95 | 1.18 | 1.41 | 1.63 | 1.93 | 2.30 | 2.67 | 2.20 | 1.84 | 1.57 | 1.36 | 1.20 | 0.95 | 0.78 | 0.65 | 0.56 | 0.48 | 0.42 |
| 16 | 0.05 | 0.09 | 0.27 | 0.32 | 0.44 | 0.61 | 0.77 | 1.02 | 1.26 | 1.50 | 1.74 | 2.06 | 2.45 | 2.85 | 2.42 | 2.03 | 1.73 | 1.50 | 1.32 | 1.05 | 0.86 | 0.72 | 0.61 | 0.53 | 0.47 |
| 17 | 0.05 | 0.10 | 0.29 | 0.35 | 0.47 | 0.64 | 0.82 | 1.08 | 1.34 | 1.60 | 1.85 | 2.19 | 2.61 | 3.02 | 2.65 | 2.22 | 1.90 | 1.64 | 1.44 | 1.14 | 0.94 | 0.79 | 0.67 | 0.58 | 0.51 |
| 18 | 0.05 | 0.11 | 0.30 | 0.37 | 0.49 | 0.68 | 0.87 | 1.15 | 1.42 | 1.69 | 1.96 | 2.32 | 2.76 | 3.20 | 2.89 | 2.42 | 2.07 | 1.79 | 1.57 | 1.25 | 1.02 | 0.86 | 0.73 | 0.63 | 0.56 |
| 19 | 0.06 | 0.11 | 0.32 | 0.39 | 0.52 | 0.72 | 0.92 | 1.21 | 1.50 | 1.78 | 2.07 | 2.45 | 2.91 | 3.38 | 3.13 | 2.62 | 2.24 | 1.94 | 1.70 | 1.35 | 1.11 | 0.93 | 0.79 | 0.69 | 0.00 |
| 20 | 0.06 | 0.12 | 0.34 | 0.41 | 0.55 | 0.76 | 0.97 | 1.27 | 1.58 | 1.88 | 2.18 | 2.58 | 3.07 | 3.56 | 3.38 | 2.83 | 2.42 | 2.10 | 1.84 | 1.46 | 1.20 | 1.00 | 0.86 | 0.74 | 0.00 |
| 21 | 0.06 | 0.12 | 0.35 | 0.43 | 0.58 | 0.80 | 1.01 | 1.34 | 1.66 | 1.97 | 2.29 | 2.70 | 3.22 | 3.74 | 3.64 | 3.05 | 2.60 | 2.26 | 1.98 | 1.57 | 1.29 | 1.08 | 0.92 | 0.00 | |
| 22 | 0.07 | 0.13 | 0.37 | 0.45 | 0.60 | 0.83 | 1.06 | 1.40 | 1.73 | 2.07 | 2.40 | 2.83 | 3.37 | 3.91 | 3.90 | 3.27 | 2.79 | 2.42 | 2.12 | 1.69 | 1.38 | 1.16 | 0.99 | 0.00 | |
| 23 | 0.07 | 0.13 | 0.39 | 0.47 | 0.63 | 0.87 | 1.11 | 1.46 | 1.81 | 2.16 | 2.51 | 2.96 | 3.53 | 4.09 | 4.17 | 3.50 | 2.98 | 2.59 | 2.27 | 1.80 | 1.47 | 1.24 | 1.04 | 0.00 | |
| 24 | 0.07 | 0.14 | 0.40 | 0.49 | 0.66 | 0.91 | 1.16 | 1.53 | 1.89 | 2.25 | 2.61 | 3.09 | 3.68 | 4.27 | 4.45 | 3.73 | 3.18 | 2.76 | 2.42 | 1.92 | 1.57 | 1.32 | 0.22 | 0.00 | |
| 25 | 0.08 | 0.15 | 0.42 | 0.51 | 0.69 | 0.95 | 1.21 | 1.59 | 1.97 | 2.35 | 2.72 | 3.22 | 3.84 | 4.45 | 4.73 | 3.96 | 3.38 | 2.93 | 2.57 | 2.04 | 1.67 | 1.40 | 0.00 | | |
| 26 | 0.08 | 0.15 | 0.44 | 0.53 | 0.71 | 0.99 | 1.26 | 1.65 | 2.05 | 2.44 | 2.83 | 3.35 | 3.99 | 4.62 | 5.01 | 4.20 | 3.59 | 3.11 | 2.73 | 2.17 | 1.77 | 1.49 | 0.00 | | |
| 28 | 0.08 | 0.16 | 0.47 | 0.57 | 0.77 | 1.06 | 1.35 | 1.78 | 2.21 | 2.63 | 3.05 | 3.61 | 4.30 | 4.98 | 5.60 | 4.70 | 4.01 | 3.47 | 3.05 | 2.42 | 1.98 | 0.00 | | | |
| 30 | 0.09 | 0.18 | 0.50 | 0.61 | 0.82 | 1.14 | 1.45 | 1.91 | 2.37 | 2.82 | 3.27 | 3.86 | 4.60 | 5.34 | 6.07 | 5.21 | 4.45 | 3.85 | 3.38 | 2.68 | 1.98 | 0.00 | | | |
| 32 | 0.10 | 0.19 | 0.54 | 0.65 | 0.88 | 1.21 | 1.55 | 2.04 | 2.52 | 3.01 | 3.49 | 4.12 | 4.91 | 5.69 | 6.47 | 5.74 | 4.90 | 4.25 | 3.73 | 2.96 | 0.35 | 0.00 | | | |
| 35 | 0.11 | 0.21 | 0.59 | 0.71 | 0.96 | 1.33 | 1.69 | 2.23 | 2.76 | 3.29 | 3.81 | 4.51 | 5.37 | 6.23 | 7.08 | 6.56 | 5.60 | 4.86 | 4.26 | 2.76 | 0.00 | | | | |
| 40 | 0.12 | 0.23 | 0.67 | 0.81 | 1.10 | 1.52 | 1.93 | 2.55 | 3.15 | 3.76 | 4.36 | 5.15 | 6.14 | 7.11 | 8.09 | 8.02 | 6.85 | 5.93 | 4.91 | 0.00 | | | | | |
| 45 | 0.14 | 0.26 | 0.76 | 0.91 | 1.24 | 1.71 | 2.17 | 2.86 | 3.55 | 4.23 | 4.90 | 5.79 | 6.90 | 8.00 | 9.10 | 9.57 | 8.17 | 5.23 | 1.38 | 0.00 | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

35 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 35 -- 2001

| No. of Teeth | 0.375 inch Pitch | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | | | |
|--------------|------------------|------|------|------|---|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|
| | 50 | 100 | 200 | 240 | 500 | 700 | 900 | 1200 | 1500 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 9000 | 10000 |
| 11 | 0.11 | 0.22 | 0.42 | 0.50 | 1.02 | 1.41 | 1.80 | 2.37 | 2.93 | 3.49 | 4.05 | 3.86 | 2.94 | 2.33 | 1.91 | 1.60 | 1.37 | 1.18 | 1.04 | 0.92 | 0.82 | 0.74 | 0.67 | 0.57 | 0.48 |
| 12 | 0.12 | 0.24 | 0.46 | 0.55 | 1.11 | 1.54 | 1.96 | 2.58 | 3.20 | 3.81 | 4.42 | 4.40 | 3.35 | 2.66 | 2.17 | 1.82 | 1.56 | 1.35 | 1.18 | 1.05 | 0.94 | 0.85 | 0.77 | 0.64 | 0.55 |
| 13 | 0.13 | 0.26 | 0.50 | 0.60 | 1.21 | 1.67 | 2.12 | 2.80 | 3.47 | 4.13 | 4.79 | 4.96 | 3.77 | 3.00 | 2.45 | 2.05 | 1.75 | 1.52 | 1.33 | 1.18 | 1.06 | 0.95 | 0.87 | 0.73 | 0.62 |
| 14 | 0.14 | 0.28 | 0.54 | 0.64 | 1.30 | 1.80 | 2.29 | 3.01 | 3.73 | 4.45 | 5.15 | 5.55 | 4.22 | 3.35 | 2.74 | 2.30 | 1.96 | 1.70 | 1.49 | 1.32 | 1.18 | 1.07 | 0.97 | 0.81 | 0.10 |
| 15 | 0.15 | 0.30 | 0.58 | 0.69 | 1.39 | 1.92 | 2.45 | 3.23 | 4.00 | 4.76 | 5.52 | 6.15 | 4.68 | 3.71 | 3.04 | 2.55 | 2.17 | 1.88 | 1.65 | 1.47 | 1.31 | 1.18 | 1.07 | 0.90 | 0.00 |
| 16 | 0.16 | 0.32 | 0.62 | 0.73 | 1.49 | 2.05 | 2.61 | 3.44 | 4.26 | 5.08 | 5.89 | 6.77 | 5.15 | 4.09 | 3.35 | 2.81 | 2.40 | 2.08 | 1.82 | 1.62 | 1.45 | 1.30 | 1.18 | 0.44 | 0.00 |
| 17 | 0.17 | 0.34 | 0.65 | 0.78 | 1.58 | 2.18 | 2.77 | 3.66 | 4.53 | 5.40 | 6.26 | 7.40 | 5.64 | 4.48 | 3.67 | 3.07 | 2.62 | 2.27 | 2.00 | 1.77 | 1.58 | 1.43 | 1.30 | 0.00 | |
| 18 | 0.18 | 0.36 | 0.69 | 0.83 | 1.67 | 2.31 | 2.94 | 3.87 | 4.80 | 5.72 | 6.63 | 7.83 | 6.15 | 4.88 | 3.99 | 3.35 | 2.86 | 2.48 | 2.17 | 1.93 | 1.73 | 1.56 | 1.41 | 0.00 | |
| 19 | 0.19 | 0.38 | 0.73 | 0.87 | 1.76 | 2.44 | 3.10 | 4.09 | 5.06 | 6.03 | 7.00 | 8.27 | 6.67 | 5.29 | 4.33 | 3.63 | 3.10 | 2.69 | 2.36 | 2.09 | 1.87 | 1.69 | 1.69 | 0.05 | 0.00 |
| 20 | 0.20 | 0.40 | 0.77 | 0.92 | 1.86 | 2.56 | 3.26 | 4.30 | 5.33 | 6.35 | 7.36 | 8.71 | 7.20 | 5.72 | 4.68 | 3.92 | 3.35 | 2.90 | 2.55 | 2.26 | 2.02 | 1.42 | 0.00 | | |
| 21 | 0.21 | 0.42 | 0.81 | 0.96 | 1.95 | 2.69 | 3.43 | 4.52 | 5.60 | 6.67 | 7.73 | 9.14 | 7.75 | 6.15 | 5.03 | 4.22 | 3.60 | 3.12 | 2.74 | 2.43 | 2.17 | 0.00 | | | |
| 22 | 0.22 | 0.44 | 0.85 | 1.01 | 2.04 | 2.82 | 3.59 | 4.73 | 5.86 | 6.99 | 8.10 | 9.58 | 8.31 | 6.59 | 5.40 | 4.52 | 3.86 | 3.35 | 2.94 | 2.61 | 1.42 | 0.00 | | | |
| 23 | 0.23 | 0.46 | 0.89 | 1.06 | 2.14 | 2.95 | 3.75 | 4.95 | 6.13 | 7.30 | 8.47 | 10.01 | 8.88 | 7.05 | 5.77 | 4.83 | 4.13 | 3.58 | 3.14 | 2.79 | 0.00 | | | | |
| 24 | 0.24 | 0.48 | 0.92 | 1.10 | 2.23 | 3.08 | 3.92 | 5.16 | 6.40 | 7.62 | 8.84 | 10.45 | 9.47 | 7.51 | 6.15 | 5.15 | 4.40 | 3.81 | 3.35 | 2.04 | 0.00 | | | | |
| 25 | 0.25 | 0.50 | 0.96 | 1.15 | 2.32 | 3.21 | 4.08 | 5.38 | 6.66 | 7.94 | 9.20 | 10.88 | 10.07 | 7.99 | 6.54 | 5.48 | 4.68 | 4.05 | 3.56 | 0.12 | 0.00 | | | | |
| 26 | 0.26 | 0.51 | 1.00 | 1.19 | 2.41 | 3.33 | 4.24 | 5.59 | 6.93 | 8.26 | 9.57 | 11.32 | 10.68 | 8.47 | 6.93 | 5.81 | 4.96 | 4.30 | 3.40 | 0.00 | | | | | |
| 28 | 0.29 | 0.55 | 1.08 | 1.28 | 2.60 | 3.59 | 4.57 | 6.02 | 7.46 | 8.89 | 10.31 | 12.19 | 11.93 | 9.47 | 7.75 | 6.49 | 5.55 | 4.81 | 0.00 | | | | | | |
| 30 | 0.31 | 0.59 | 1.16 | 1.38 | 2.79 | 3.85 | 4.90 | 6.45 | 8.00 | 9.53 | 11.05 | 13.06 | 13.23 | 10.50 | 8.59 | 7.20 | 6.15 | 2.24 | 0.00 | | | | | | |
| 32 | 0.33 | 0.63 | 1.23 | 1.47 | 2.97 | 4.10 | 5.22 | 6.88 | 8.53 | 10.16 | 11.78 | 13.93 | 14.58 | 11.57 | 9.47 | 7.93 | 5.76 | 0.00 | | | | | | | |
| 35 | 0.36 | 0.69 | 1.35 | 1.61 | 3.25 | 4.49 | 5.71 | 7.53 | 9.33 | 11.11 | 12.89 | 15.23 | 16.67 | 13.23 | 10.83 | 8.85 | 0.34 | 0.00 | | | | | | | |
| 40 | 0.41 | 0.79 | 1.54 | 1.84 | 3.71 | 5.13 | 6.53 | 8.61 | 10.66 | 12.70 | 14.73 | 17.41 | 20.37 | 16.17 | 11.04 | 0.34 | 0.00 | | | | | | | | |
| 45 | 0.46 | 0.89 | 1.73 | 2.07 | 4.18 | 5.77 | 7.35 | 9.68 | 11.99 | 14.29 | 16.57 | 19.59 | 23.33 | 15.56 | 3.11 | 0.00 | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

40 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 40 -- 2001

| No. of Teeth | 0.500 inch Pitch | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 100 | 180 | 200 | 300 | 500 | 700 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 |
| 11 | 0.06 | 0.14 | 0.27 | 0.52 | 0.91 | 1.00 | 1.48 | 2.42 | 3.34 | 4.25 | 4.70 | 5.60 | 6.49 | 5.57 | 4.66 | 3.70 | 2.85 | 2.17 | 1.72 | 1.41 | 1.01 | 0.77 | 0.61 | 0.50 | 0.00 |
| 12 | 0.06 | 0.15 | 0.29 | 0.56 | 0.99 | 1.09 | 1.61 | 2.64 | 3.64 | 4.64 | 5.13 | 6.11 | 7.09 | 6.34 | 5.31 | 4.22 | 3.25 | 2.47 | 1.96 | 1.60 | 1.15 | 0.87 | 0.69 | 0.57 | 0.00 |
| 13 | 0.07 | 0.16 | 0.31 | 0.61 | 1.07 | 1.19 | 1.75 | 2.86 | 3.95 | 5.02 | 5.56 | 6.62 | 7.68 | 7.15 | 5.99 | 4.76 | 3.66 | 2.79 | 2.21 | 1.81 | 1.29 | 0.98 | 0.78 | 0.00 | |
| 14 | 0.07 | 0.17 | 0.34 | 0.66 | 1.15 | 1.28 | 1.88 | 3.08 | 4.25 | 5.41 | 5.98 | 7.13 | 8.27 | 7.99 | 6.70 | 5.31 | 4.09 | 3.11 | 2.47 | 2.02 | 1.45 | 1.10 | 0.87 | 0.00 | |
| 15 | 0.08 | 0.19 | 0.36 | 0.70 | 1.24 | 1.37 | 2.02 | 3.30 | 4.55 | 5.80 | 6.41 | 7.64 | 8.86 | 8.86 | 7.43 | 5.89 | 4.54 | 3.45 | 2.74 | 2.24 | 1.60 | 1.22 | 0.97 | 0.00 | |
| 16 | 0.08 | 0.20 | 0.39 | 0.75 | 1.32 | 1.46 | 2.15 | 3.52 | 4.86 | 6.18 | 6.84 | 8.15 | 9.45 | 9.76 | 8.18 | 6.49 | 5.00 | 3.80 | 3.02 | 2.47 | 1.77 | 1.34 | 0.00 | | |
| 17 | 0.09 | 0.21 | 0.41 | 0.80 | 1.40 | 1.55 | 2.29 | 3.74 | 5.16 | 6.57 | 7.27 | 8.66 | 10.04 | 10.69 | 8.96 | 7.11 | 5.48 | 4.17 | 3.31 | 2.71 | 1.94 | 1.47 | 0.00 | | |
| 18 | 0.09 | 0.22 | 0.43 | 0.84 | 1.48 | 1.64 | 2.42 | 3.96 | 5.46 | 6.95 | 7.69 | 9.17 | 10.63 | 11.65 | 9.76 | 7.75 | 5.97 | 4.54 | 3.60 | 2.95 | 2.11 | 1.60 | 0.00 | | |
| 19 | 0.10 | 0.24 | 0.46 | 0.89 | 1.57 | 1.73 | 2.56 | 4.18 | 5.77 | 7.34 | 8.12 | 9.68 | 11.22 | 12.64 | 10.59 | 8.40 | 6.47 | 4.92 | 3.91 | 3.20 | 2.29 | 0.09 | 0.00 | | |
| 20 | 0.10 | 0.25 | 0.48 | 0.94 | 1.65 | 1.82 | 2.69 | 4.39 | 6.07 | 7.73 | 8.55 | 10.18 | 11.81 | 13.42 | 11.44 | 9.07 | 6.99 | 5.31 | 4.22 | 3.45 | 2.47 | 0.00 | | | |
| 21 | 0.11 | 0.26 | 0.51 | 0.98 | 1.73 | 1.91 | 2.83 | 4.61 | 6.37 | 8.11 | 8.98 | 10.69 | 12.40 | 14.10 | 12.30 | 9.76 | 7.52 | 5.72 | 4.54 | 3.71 | 2.66 | 0.00 | | | |
| 22 | 0.11 | 0.27 | 0.53 | 1.03 | 1.81 | 2.01 | 2.96 | 4.83 | 6.68 | 8.50 | 9.40 | 11.20 | 12.99 | 14.77 | 13.19 | 10.47 | 8.06 | 6.13 | 4.87 | 3.98 | 2.85 | 0.00 | | | |
| 23 | 0.12 | 0.28 | 0.55 | 1.08 | 1.90 | 2.10 | 3.10 | 5.05 | 6.98 | 8.89 | 9.83 | 11.71 | 13.58 | 15.44 | 14.10 | 11.19 | 8.62 | 6.55 | 5.20 | 4.26 | 3.05 | 0.00 | | | |
| 24 | 0.12 | 0.30 | 0.58 | 1.12 | 1.98 | 2.19 | 3.23 | 5.27 | 7.28 | 9.27 | 10.26 | 12.22 | 14.17 | 16.11 | 15.03 | 11.93 | 9.18 | 6.99 | 5.54 | 4.54 | 0.87 | 0.00 | | | |
| 25 | 0.13 | 0.31 | 0.60 | 1.17 | 2.06 | 2.28 | 3.36 | 5.49 | 7.59 | 9.66 | 10.69 | 12.73 | 14.76 | 16.78 | 15.98 | 12.68 | 9.76 | 7.43 | 5.89 | 4.82 | 0.00 | | | | |
| 26 | 0.13 | 0.32 | 0.63 | 1.22 | 2.14 | 2.37 | 3.50 | 5.71 | 7.89 | 10.04 | 11.11 | 13.24 | 15.35 | 17.45 | 16.95 | 13.45 | 10.36 | 7.88 | 6.25 | 5.12 | 0.00 | | | | |
| 28 | 0.14 | 0.35 | 0.67 | 1.31 | 2.31 | 2.55 | 3.77 | 6.15 | 8.50 | 10.82 | 11.97 | 14.26 | 16.53 | 18.79 | 18.94 | 15.03 | 11.57 | 8.80 | 6.99 | 5.72 | 0.00 | | | | |
| 30 | 0.15 | 0.37 | 0.72 | 1.41 | 2.47 | 2.74 | 4.04 | 6.59 | 9.11 | 11.59 | 12.82 | 15.28 | 17.71 | 20.14 | 21.01 | 16.67 | 12.84 | 9.76 | 7.75 | 6.34 | 0.00 | | | | |
| 32 | 0.16 | 0.40 | 0.77 | 1.50 | 2.64 | 2.92 | 4.31 | 7.03 | 9.71 | 12.36 | 13.68 | 16.30 | 18.89 | 21.48 | 23.14 | 18.37 | 14.14 | 10.76 | 8.54 | 1.41 | | | | | |
| 35 | 0.18 | 0.43 | 0.84 | 1.64 | 2.88 | 3.19 | 4.71 | 7.69 | 10.62 | 13.52 | 14.96 | 17.82 | 20.67 | 23.49 | 26.30 | 21.01 | 16.17 | 12.30 | 9.76 | 0.00 | | | | | |
| 40 | 0.21 | 0.50 | 0.96 | 1.87 | 3.30 | 3.65 | 5.38 | 8.79 | 12.14 | 15.45 | 17.10 | 20.37 | 23.62 | 26.85 | 30.06 | 25.67 | 19.76 | 15.03 | 0.00 | | | | | | |
| 45 | 0.23 | 0.56 | 1.08 | 2.11 | 3.71 | 4.10 | 6.06 | 9.89 | 13.66 | 17.39 | 19.24 | 22.92 | 26.57 | 30.20 | 33.82 | 30.63 | 23.58 | 5.53 | 0.00 | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

41 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 41 -- 2001

| No. of Teeth | 0.500 inch Pitch | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 100 | 180 | 200 | 300 | 500 | 700 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 |
| 11 | 0.03 | 0.07 | 0.15 | 0.28 | 0.50 | 0.55 | 0.81 | 1.33 | 1.84 | 2.34 | 2.25 | 1.71 | 1.36 | 1.11 | 0.93 | 0.74 | 0.57 | 0.43 | 0.34 | 0.28 | 0.20 | 0.15 | 0.12 | 0.10 | 0.00 |
| 12 | 0.03 | 0.08 | 0.16 | 0.31 | 0.54 | 0.60 | 0.89 | 1.45 | 2.00 | 2.55 | 2.57 | 1.95 | 1.55 | 1.27 | 1.06 | 0.84 | 0.65 | 0.49 | 0.39 | 0.32 | 0.23 | 0.17 | 0.14 | 0.11 | 0.00 |
| 13 | 0.04 | 0.09 | 0.17 | 0.34 | 0.59 | 0.65 | 0.96 | 1.57 | 2.17 | 2.76 | 2.89 | 2.20 | 1.75 | 1.43 | 1.20 | 0.95 | 0.73 | 0.56 | 0.44 | 0.36 | 0.26 | 0.20 | 0.16 | 0.00 | |
| 14 | 0.04 | 0.10 | 0.19 | 0.36 | 0.63 | 0.70 | 1.04 | 1.69 | 2.34 | 2.97 | 3.23 | 2.46 | 1.95 | 1.60 | 1.34 | 1.06 | 0.82 | 0.62 | 0.49 | 0.40 | 0.29 | 0.22 | 0.17 | 0.00 | |
| 15 | 0.04 | 0.10 | 0.20 | 0.39 | 0.68 | 0.75 | 1.11 | 1.81 | 2.50 | 3.19 | 3.53 | 2.73 | 2.17 | 1.77 | 1.49 | 1.18 | 0.91 | 0.69 | 0.55 | 0.45 | 0.32 | 0.24 | 0.19 | 0.00 | |
| 16 | 0.05 | 0.11 | 0.21 | 0.41 | 0.73 | 0.80 | 1.18 | 1.93 | 2.67 | 3.40 | 3.76 | 3.01 | 2.39 | 1.95 | 1.64 | 1.30 | 1.00 | 0.76 | 0.60 | 0.49 | 0.35 | 0.27 | 0.00 | | |
| 17 | 0.05 | 0.12 | 0.23 | 0.44 | 0.77 | 0.85 | 1.26 | 2.05 | 2.84 | 3.61 | 4.00 | 3.29 | 2.61 | 2.14 | 1.79 | 1.42 | 1.10 | 0.83 | 0.66 | 0.54 | 0.39 | 0.29 | 0.00 | | |
| 18 | 0.05 | 0.12 | 0.24 | 0.46 | 0.82 | 0.90 | 1.33 | 2.18 | 3.00 | 3.82 | 4.23 | 3.59 | 2.85 | 2.33 | 1.95 | 1.55 | 1.19 | 0.91 | 0.72 | 0.59 | 0.42 | 0.32 | 0.00 | | |
| 19 | 0.05 | 0.13 | 0.25 | 0.49 | 0.86 | 0.95 | 1.41 | 2.30 | 3.17 | 4.04 | 4.47 | 3.89 | 3.09 | 2.53 | 2.12 | 1.68 | 1.29 | 0.98 | 0.78 | 0.64 | 0.46 | 0.09 | 0.00 | | |
| 20 | 0.06 | 0.14 | 0.27 | 0.52 | 0.91 | 1.00 | 1.48 | 2.42 | 3.34 | 4.25 | 4.70 | 4.20 | 3.33 | 2.73 | 2.29 | 1.81 | 1.40 | 1.06 | 0.84 | 0.69 | 0.49 | 0.00 | | | |
| 21 | 0.06 | 0.14 | 0.28 | 0.54 | 0.95 | 1.05 | 1.55 | 2.54 | 3.51 | 4.46 | 4.94 | 4.52 | 3.59 | 2.94 | 2.46 | 1.95 | 1.50 | 1.14 | 0.91 | 0.74 | 0.53 | 0.00 | | | |
| 22 | 0.06 | 0.15 | 0.29 | 0.57 | 1.00 | 1.10 | 1.63 | 2.66 | 3.67 | 4.67 | 5.17 | 4.85 | 3.85 | 3.15 | 2.64 | 2.09 | 1.61 | 1.23 | 0.97 | 0.80 | 0.57 | 0.00 | | | |
| 23 | 0.07 | 0.16 | 0.30 | 0.59 | 1.04 | 1.15 | 1.70 | 2.78 | 3.84 | 4.89 | 5.41 | 5.18 | 4.11 | 3.37 | 2.82 | 2.24 | 1.72 | 1.31 | 1.04 | 0.85 | 0.61 | 0.00 | | | |
| 24 | 0.07 | 0.16 | 0.32 | 0.62 | 1.09 | 1.20 | 1.78 | 2.90 | 4.01 | 5.10 | 5.64 | 5.52 | 4.38 | 3.59 | 3.01 | 2.39 | 1.84 | 1.40 | 1.11 | 0.91 | 0.65 | 0.00 | | | |
| 25 | 0.07 | 0.17 | 0.33 | 0.64 | 1.13 | 1.25 | 1.85 | 3.02 | 4.17 | 5.31 | 5.88 | 5.87 | 4.66 | 3.81 | 3.20 | 2.54 | 1.95 | 1.49 | 1.18 | 0.96 | 0.00 | | | | |
| 26 | 0.07 | 0.18 | 0.34 | 0.67 | 1.18 | 1.30 | 1.92 | 3.14 | 4.34 | 5.52 | 6.11 | 6.23 | 4.94 | 4.05 | 3.39 | 2.69 | 2.07 | 1.58 | 1.25 | 1.02 | 0.00 | | | | |
| 28 | 0.08 | 0.19 | 0.37 | 0.72 | 1.27 | 1.40 | 2.07 | 3.38 | 4.67 | 5.95 | 6.58 | 6.96 | 5.52 | 4.52 | 3.79 | 3.01 | 2.31 | 1.76 | 1.40 | 1.14 | 0.00 | | | | |
| 30 | 0.08 | 0.20 | 0.40 | 0.77 | 1.36 | 1.50 | 2.22 | 3.63 | 5.01 | 6.37 | 7.05 | 7.72 | 6.13 | 5.01 | 4.20 | 3.33 | 2.57 | 1.95 | 1.55 | 1.27 | 0.00 | | | | |
| 32 | 0.09 | 0.22 | 0.42 | 0.82 | 1.45 | 1.60 | 2.37 | 3.87 | 5.34 | 6.80 | 7.52 | 8.50 | 6.75 | 5.52 | 4.63 | 3.67 | 2.83 | 2.15 | 1.71 | 1.40 | 0.00 | | | | |
| 35 | 0.10 | 0.24 | 0.46 | 0.90 | 1.59 | 1.76 | 2.59 | 4.23 | 5.84 | 7.44 | 8.23 | 9.80 | 7.72 | 6.32 | 5.29 | 4.20 | 3.23 | 2.46 | 1.95 | 0.00 | | | | | |
| 40 | 0.11 | 0.27 | 0.53 | 1.03 | 1.81 | 2.01 | 2.96 | 4.83 | 6.68 | 8.50 | 9.40 | 11.20 | 9.43 | 7.72 | 6.47 | 5.13 | 3.95 | 3.01 | 0.00 | | | | | | |
| 45 | 0.13 | 0.31 | 0.60 | 1.16 | 2.04 | 2.26 | 3.33 | 5.44 | 7.51 | 9.56 | 10.58 | 12.60 | 11.25 | 9.21 | 7.72 | 6.13 | 4.72 | 3.59 | 0.00 | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

50 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 50 -- 2001

| No. of Teeth | 0.625 inch Pitch | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 100 | 140 | 200 | 300 | 500 | 700 | 900 | 1200 | 1500 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 |
| 11 | 0.11 | 0.27 | 0.52 | 1.00 | 1.39 | 1.95 | 2.88 | 4.70 | 6.50 | 8.27 | 10.24 | 7.33 | 5.58 | 4.42 | 3.41 | 2.59 | 2.06 | 1.68 | 1.41 | 1.20 | 1.04 | 0.92 | 0.81 | 0.73 | 0.00 |
| 12 | 0.12 | 0.29 | 0.56 | 1.09 | 1.51 | 2.13 | 3.14 | 5.13 | 7.09 | 9.02 | 11.67 | 8.35 | 6.35 | 5.04 | 3.88 | 2.95 | 2.34 | 1.92 | 1.61 | 1.37 | 1.19 | 1.04 | 0.93 | 0.00 | |
| 13 | 0.13 | 0.31 | 0.61 | 1.19 | 1.64 | 2.31 | 3.40 | 5.56 | 7.68 | 9.77 | 12.88 | 9.42 | 7.16 | 5.69 | 4.38 | 3.33 | 2.64 | 2.16 | 1.81 | 1.55 | 1.34 | 1.18 | 0.00 | | |
| 14 | 0.14 | 0.34 | 0.66 | 1.28 | 1.76 | 2.48 | 3.67 | 5.99 | 8.27 | 10.53 | 13.87 | 10.52 | 8.01 | 6.35 | 4.89 | 3.72 | 2.95 | 2.42 | 2.03 | 1.73 | 1.50 | 0.28 | 0.00 | | |
| 15 | 0.15 | 0.36 | 0.70 | 1.37 | 1.89 | 2.66 | 3.93 | 6.41 | 8.86 | 11.28 | 14.86 | 11.67 | 8.88 | 7.05 | 5.42 | 4.13 | 3.27 | 2.68 | 2.25 | 1.92 | 1.66 | 0.00 | | | |
| 16 | 0.16 | 0.39 | 0.75 | 1.46 | 2.02 | 2.84 | 4.19 | 6.84 | 9.45 | 12.03 | 15.85 | 12.86 | 9.78 | 7.76 | 5.98 | 4.55 | 3.61 | 2.95 | 2.47 | 2.11 | 0.00 | | | | |
| 17 | 0.17 | 0.41 | 0.80 | 1.55 | 2.14 | 3.02 | 4.45 | 7.27 | 10.04 | 12.78 | 16.85 | 14.08 | 10.71 | 8.50 | 6.55 | 4.98 | 3.95 | 3.23 | 2.71 | 2.31 | 0.00 | | | | |
| 18 | 0.18 | 0.43 | 0.84 | 1.64 | 2.27 | 3.19 | 4.71 | 7.70 | 10.63 | 13.53 | 17.84 | 15.34 | 11.67 | 9.26 | 7.13 | 5.42 | 4.30 | 3.52 | 2.95 | 0.05 | 0.00 | | | | |
| 19 | 0.19 | 0.46 | 0.89 | 1.73 | 2.39 | 3.37 | 4.98 | 8.12 | 11.22 | 14.28 | 18.83 | 16.64 | 12.66 | 10.05 | 7.73 | 5.88 | 4.67 | 3.82 | 3.20 | 0.00 | | | | | |
| 20 | 0.20 | 0.48 | 0.94 | 1.82 | 2.52 | 3.55 | 5.24 | 8.55 | 11.81 | 15.04 | 19.82 | 17.97 | 13.67 | 10.85 | 8.35 | 6.35 | 5.04 | 4.13 | 3.46 | 0.00 | | | | | |
| 21 | 0.21 | 0.51 | 0.98 | 1.92 | 2.65 | 3.73 | 5.50 | 8.98 | 12.40 | 15.79 | 20.81 | 19.34 | 14.71 | 11.67 | 8.99 | 6.84 | 5.42 | 4.44 | 0.00 | | | | | | |
| 22 | 0.22 | 0.53 | 1.03 | 2.01 | 2.77 | 3.90 | 5.76 | 9.41 | 12.99 | 16.54 | 21.80 | 20.73 | 15.77 | 12.52 | 9.64 | 7.33 | 5.82 | 4.76 | 0.00 | | | | | | |
| 23 | 0.23 | 0.55 | 1.08 | 2.10 | 2.90 | 4.08 | 6.02 | 9.83 | 13.58 | 17.29 | 22.79 | 22.16 | 16.86 | 13.38 | 10.30 | 7.84 | 6.22 | 5.09 | 0.00 | | | | | | |
| 24 | 0.24 | 0.58 | 1.13 | 2.19 | 3.02 | 4.26 | 6.28 | 10.26 | 14.18 | 18.04 | 23.78 | 23.62 | 17.97 | 14.26 | 10.98 | 8.35 | 6.63 | 1.36 | 0.00 | | | | | | |
| 25 | 0.25 | 0.60 | 1.17 | 2.28 | 3.15 | 4.44 | 6.55 | 10.69 | 14.77 | 18.79 | 24.77 | 25.11 | 19.11 | 15.16 | 11.67 | 8.88 | 7.05 | 0.00 | | | | | | | |
| 26 | 0.26 | 0.63 | 1.22 | 2.37 | 3.28 | 4.61 | 6.81 | 11.12 | 15.36 | 19.55 | 25.76 | 26.64 | 20.26 | 16.08 | 12.38 | 9.42 | 7.47 | 0.00 | | | | | | | |
| 28 | 0.28 | 0.67 | 1.31 | 2.55 | 3.53 | 4.97 | 7.33 | 11.97 | 16.54 | 21.05 | 27.75 | 29.77 | 22.65 | 17.97 | 13.84 | 10.52 | 4.74 | 0.00 | | | | | | | |
| 30 | 0.30 | 0.72 | 1.41 | 2.74 | 3.78 | 5.32 | 7.86 | 12.83 | 17.72 | 22.55 | 29.73 | 33.01 | 25.11 | 19.93 | 15.34 | 11.67 | 0.00 | | | | | | | | |
| 32 | 0.32 | 0.77 | 1.50 | 2.92 | 4.03 | 5.68 | 8.38 | 13.68 | 18.90 | 24.06 | 31.71 | 36.37 | 27.67 | 21.96 | 16.90 | 12.86 | 0.00 | | | | | | | | |
| 35 | 0.35 | 0.84 | 1.64 | 3.19 | 4.41 | 6.21 | 9.16 | 14.97 | 20.67 | 26.31 | 34.68 | 41.60 | 31.65 | 25.11 | 19.34 | 0.94 | 0.00 | | | | | | | | |
| 40 | 0.40 | 0.96 | 1.88 | 3.65 | 5.04 | 7.10 | 10.47 | 17.10 | 23.63 | 30.07 | 39.64 | 49.11 | 38.67 | 30.68 | 23.62 | 0.00 | | | | | | | | | |
| 45 | 0.45 | 1.08 | 2.11 | 4.10 | 5.67 | 7.98 | 11.78 | 19.24 | 26.58 | 33.83 | 44.59 | 55.24 | 46.14 | 36.61 | 8.64 | | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

60 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 60 -- 2001

| No. of Teeth | 0.750 inch Pitch | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 100 | 120 | 200 | 300 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 |
| 11 | 0.19 | 0.46 | 0.89 | 1.72 | 2.05 | 3.35 | 4.95 | 6.52 | 8.08 | 9.63 | 12.69 | 15.58 | 11.85 | 9.41 | 7.70 | 6.45 | 5.51 | 3.94 | 3.00 | 2.38 | 1.95 | 1.63 | 1.39 | 1.21 | 0.00 |
| 12 | 0.21 | 0.50 | 0.97 | 1.88 | 2.24 | 3.66 | 5.40 | 7.12 | 8.82 | 10.51 | 13.85 | 17.15 | 13.51 | 10.72 | 8.77 | 7.35 | 6.28 | 4.49 | 3.42 | 2.71 | 2.22 | 1.86 | 1.59 | 1.38 | 0.00 |
| 13 | 0.22 | 0.54 | 1.05 | 2.04 | 2.43 | 3.96 | 5.85 | 7.71 | 9.55 | 11.38 | 15.00 | 18.58 | 15.23 | 12.08 | 9.89 | 8.29 | 7.08 | 5.06 | 3.85 | 3.06 | 2.50 | 2.10 | 1.79 | 0.00 | |
| 14 | 0.24 | 0.58 | 1.13 | 2.19 | 2.61 | 4.27 | 6.30 | 8.30 | 10.29 | 12.26 | 16.15 | 20.01 | 17.02 | 13.51 | 11.05 | 9.26 | 7.91 | 5.66 | 4.31 | 3.42 | 2.80 | 2.34 | 0.41 | 0.00 | |
| 15 | 0.26 | 0.62 | 1.21 | 2.35 | 2.80 | 4.57 | 6.75 | 8.90 | 11.02 | 13.13 | 17.31 | 21.44 | 18.87 | 14.98 | 12.26 | 10.27 | 8.77 | 6.28 | 4.77 | 3.79 | 3.10 | 2.60 | 0.00 | | |
| 16 | 0.27 | 0.66 | 1.29 | 2.51 | 2.99 | 4.88 | 7.20 | 9.49 | 11.76 | 14.01 | 18.46 | 22.87 | 20.79 | 16.50 | 13.51 | 11.32 | 9.66 | 6.91 | 5.26 | 4.17 | 3.42 | 1.78 | 0.00 | | |
| 17 | 0.29 | 0.70 | 1.37 | 2.66 | 3.17 | 5.18 | 7.65 | 10.08 | 12.49 | 14.88 | 19.62 | 24.30 | 22.77 | 18.07 | 14.79 | 12.40 | 10.58 | 7.57 | 5.76 | 4.57 | 3.74 | 0.00 | | | |
| 18 | 0.31 | 0.75 | 1.45 | 2.82 | 3.36 | 5.49 | 8.10 | 10.68 | 13.23 | 15.76 | 20.77 | 25.73 | 24.81 | 19.69 | 16.11 | 13.51 | 11.53 | 8.25 | 6.28 | 4.98 | 4.08 | 0.00 | | | |
| 19 | 0.33 | 0.79 | 1.53 | 2.98 | 3.55 | 5.79 | 8.55 | 11.27 | 13.96 | 16.63 | 21.92 | 27.16 | 26.91 | 21.35 | 17.48 | 14.65 | 12.50 | 8.95 | 6.81 | 5.40 | 0.20 | 0.00 | | | |
| 20 | 0.34 | 0.83 | 1.61 | 3.13 | 3.73 | 6.10 | 9.00 | 11.86 | 14.70 | 17.51 | 23.08 | 28.59 | 29.06 | 23.06 | 18.87 | 15.82 | 13.51 | 9.66 | 7.35 | 5.83 | 0.00 | | | | |
| 21 | 0.36 | 0.87 | 1.69 | 3.29 | 3.92 | 6.40 | 9.45 | 12.46 | 15.43 | 18.38 | 24.23 | 30.02 | 31.26 | 24.81 | 20.31 | 17.02 | 14.53 | 10.40 | 7.91 | 6.28 | 0.00 | | | | |
| 22 | 0.38 | 0.91 | 1.77 | 3.45 | 4.11 | 6.71 | 9.90 | 13.05 | 16.17 | 19.26 | 25.39 | 31.45 | 33.52 | 26.60 | 21.77 | 18.25 | 15.58 | 11.15 | 8.48 | 0.00 | | | | | |
| 23 | 0.40 | 0.95 | 1.85 | 3.61 | 4.29 | 7.01 | 10.35 | 13.64 | 16.90 | 20.13 | 26.54 | 32.88 | 35.84 | 28.44 | 23.28 | 19.51 | 16.66 | 11.92 | 9.07 | 0.00 | | | | | |
| 24 | 0.41 | 0.99 | 1.93 | 3.76 | 4.48 | 7.32 | 10.80 | 14.24 | 17.64 | 21.01 | 27.69 | 34.31 | 38.20 | 30.31 | 24.81 | 20.79 | 17.75 | 12.70 | 9.66 | 0.00 | | | | | |
| 25 | 0.43 | 1.04 | 2.01 | 3.92 | 4.67 | 7.62 | 11.25 | 14.83 | 18.37 | 21.89 | 28.85 | 35.74 | 40.61 | 32.23 | 26.38 | 22.11 | 18.87 | 13.51 | 10.27 | 0.00 | | | | | |
| 26 | 0.45 | 1.08 | 2.09 | 4.08 | 4.85 | 7.93 | 11.70 | 15.42 | 19.11 | 22.76 | 30.00 | 37.17 | 43.07 | 34.18 | 27.98 | 23.44 | 20.02 | 14.32 | 10.90 | 0.00 | | | | | |
| 28 | 0.48 | 1.16 | 2.26 | 4.39 | 5.23 | 8.54 | 12.60 | 16.61 | 20.58 | 24.51 | 32.31 | 40.03 | 47.68 | 38.20 | 31.26 | 26.20 | 22.37 | 16.01 | 0.00 | | | | | | |
| 30 | 0.52 | 1.24 | 2.42 | 4.70 | 5.60 | 9.15 | 13.50 | 17.79 | 22.05 | 26.26 | 34.62 | 42.89 | 51.09 | 42.36 | 34.67 | 29.06 | 24.81 | 17.75 | 0.00 | | | | | | |
| 32 | 0.55 | 1.33 | 2.58 | 5.02 | 5.98 | 9.76 | 14.40 | 18.98 | 23.52 | 28.01 | 36.92 | 45.75 | 54.50 | 46.67 | 38.20 | 32.01 | 27.33 | 19.56 | 0.00 | | | | | | |
| 35 | 0.60 | 1.45 | 2.82 | 5.49 | 6.54 | 10.67 | 15.75 | 20.76 | 25.72 | 30.64 | 40.39 | 50.03 | 59.60 | 53.38 | 43.69 | 36.62 | 31.26 | 1.35 | 0.00 | | | | | | |
| 40 | 0.69 | 1.66 | 3.22 | 6.27 | 7.47 | 12.20 | 18.00 | 23.73 | 29.39 | 35.02 | 46.16 | 57.18 | 68.12 | 65.22 | 53.38 | 44.74 | 38.20 | 0.00 | | | | | | | |
| 45 | 0.77 | 1.86 | 3.63 | 7.05 | 8.40 | 13.72 | 20.25 | 26.69 | 33.07 | 39.39 | 51.92 | 64.33 | 76.63 | 77.83 | 63.70 | 53.38 | 12.45 | 0.00 | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

60H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 60H -- 2001

| No. of Teeth | 0.750 inch Pitch | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 90 | 100 | 200 | 300 | 400 | 500 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 | 6000 |
| 11 | 0.22 | 0.53 | 1.02 | 1.80 | 1.99 | 3.87 | 5.72 | 7.53 | 9.33 | 11.12 | 14.66 | 15.58 | 11.85 | 9.41 | 7.70 | 6.45 | 5.51 | 3.94 | 3.00 | 2.38 | 1.95 | 1.63 | 1.39 | 1.21 | 0.00 |
| 12 | 0.24 | 0.57 | 1.12 | 1.96 | 2.17 | 4.23 | 6.24 | 8.22 | 10.18 | 12.13 | 15.99 | 17.75 | 13.51 | 10.72 | 8.77 | 7.35 | 6.28 | 4.49 | 3.42 | 2.71 | 2.22 | 1.86 | 1.59 | 0.00 | |
| 13 | 0.26 | 0.62 | 1.21 | 2.13 | 2.35 | 4.58 | 6.76 | 8.90 | 11.03 | 13.14 | 17.32 | 20.02 | 15.23 | 12.08 | 9.89 | 8.29 | 7.08 | 5.06 | 3.85 | 3.06 | 2.50 | 2.10 | 1.79 | 0.00 | |
| 14 | 0.28 | 0.67 | 1.30 | 2.29 | 2.53 | 4.93 | 7.27 | 9.59 | 11.88 | 14.15 | 18.65 | 22.37 | 17.02 | 13.51 | 11.05 | 9.26 | 7.91 | 5.66 | 4.31 | 3.42 | 2.80 | 2.34 | 0.00 | | |
| 15 | 0.30 | 0.72 | 1.40 | 2.45 | 2.71 | 5.28 | 7.79 | 10.27 | 12.73 | 15.16 | 19.99 | 24.76 | 18.87 | 14.98 | 12.26 | 10.27 | 8.77 | 6.28 | 4.77 | 3.79 | 3.10 | 2.60 | 0.00 | | |
| 16 | 0.32 | 0.77 | 1.49 | 2.62 | 2.90 | 5.63 | 8.31 | 10.96 | 13.58 | 16.17 | 21.32 | 26.41 | 20.79 | 16.50 | 13.51 | 11.32 | 9.66 | 6.91 | 5.26 | 4.17 | 3.42 | 0.00 | | | |
| 17 | 0.34 | 0.81 | 1.58 | 2.78 | 3.08 | 5.99 | 8.83 | 11.64 | 14.43 | 17.18 | 22.65 | 28.06 | 22.77 | 18.07 | 14.79 | 12.40 | 10.58 | 7.57 | 5.76 | 4.57 | 3.74 | 0.00 | | | |
| 18 | 0.36 | 0.86 | 1.67 | 2.94 | 3.26 | 6.34 | 9.35 | 12.33 | 15.27 | 18.20 | 23.98 | 29.71 | 24.81 | 19.69 | 16.11 | 13.51 | 11.53 | 8.25 | 6.28 | 4.98 | 1.06 | 0.00 | | | |
| 19 | 0.38 | 0.91 | 1.77 | 3.11 | 3.44 | 6.69 | 9.87 | 13.01 | 16.12 | 19.21 | 25.32 | 31.36 | 26.91 | 21.35 | 17.48 | 14.65 | 12.50 | 8.95 | 6.81 | 5.40 | 0.00 | | | | |
| 20 | 0.40 | 0.96 | 1.86 | 3.27 | 3.62 | 7.04 | 10.39 | 13.70 | 16.97 | 20.22 | 26.65 | 33.01 | 29.06 | 23.06 | 18.87 | 15.82 | 13.51 | 9.66 | 7.35 | 5.83 | 0.00 | | | | |
| 21 | 0.42 | 1.00 | 1.95 | 3.44 | 3.80 | 7.39 | 10.91 | 14.38 | 17.82 | 21.23 | 27.98 | 34.66 | 31.26 | 24.81 | 20.31 | 17.02 | 14.53 | 10.40 | 7.91 | 4.87 | 0.00 | | | | |
| 22 | 0.44 | 1.05 | 2.05 | 3.60 | 3.98 | 7.75 | 11.43 | 15.07 | 18.67 | 22.24 | 29.31 | 36.32 | 33.52 | 26.60 | 21.77 | 18.25 | 15.58 | 11.15 | 8.48 | 0.00 | | | | | |
| 23 | 0.46 | 1.10 | 2.14 | 3.76 | 4.16 | 8.10 | 11.95 | 15.75 | 19.52 | 23.25 | 30.65 | 37.97 | 35.84 | 28.44 | 23.28 | 19.51 | 16.66 | 11.92 | 9.07 | 0.00 | | | | | |
| 24 | 0.48 | 1.15 | 2.23 | 3.93 | 4.34 | 8.45 | 12.47 | 16.44 | 20.37 | 24.26 | 31.98 | 39.62 | 38.20 | 30.31 | 24.81 | 20.79 | 17.75 | 12.70 | 9.66 | 0.00 | | | | | |
| 25 | 0.50 | 1.20 | 2.33 | 4.09 | 4.52 | 8.80 | 12.99 | 17.12 | 21.21 | 25.27 | 33.31 | 41.27 | 40.61 | 32.23 | 26.38 | 22.11 | 18.87 | 13.51 | 10.27 | 0.00 | | | | | |
| 26 | 0.52 | 1.24 | 2.42 | 4.25 | 4.71 | 9.15 | 13.51 | 17.81 | 22.06 | 26.28 | 34.64 | 42.92 | 43.07 | 34.18 | 27.98 | 23.44 | 20.02 | 14.32 | 4.17 | 0.00 | | | | | |
| 28 | 0.56 | 1.34 | 2.61 | 4.58 | 5.07 | 9.86 | 14.55 | 19.18 | 23.76 | 28.30 | 37.31 | 46.22 | 48.14 | 38.20 | 31.26 | 26.20 | 22.37 | 16.01 | 0.00 | | | | | | |
| 30 | 0.60 | 1.43 | 2.79 | 4.91 | 5.43 | 10.56 | 15.59 | 20.55 | 25.46 | 30.33 | 39.97 | 49.52 | 53.38 | 42.36 | 34.67 | 29.06 | 24.81 | 17.75 | 0.00 | | | | | | |
| 32 | 0.64 | 1.53 | 2.98 | 5.23 | 5.79 | 11.27 | 16.63 | 21.92 | 27.15 | 32.35 | 42.64 | 52.82 | 58.81 | 46.67 | 38.20 | 32.01 | 27.33 | 11.45 | 0.00 | | | | | | |
| 35 | 0.69 | 1.67 | 3.26 | 5.73 | 6.33 | 12.32 | 18.19 | 23.97 | 29.70 | 35.38 | 46.63 | 57.77 | 67.27 | 53.38 | 43.69 | 36.62 | 31.26 | 0.00 | | | | | | | |
| 40 | 0.79 | 1.91 | 3.72 | 6.54 | 7.24 | 14.08 | 20.79 | 27.40 | 33.94 | 40.43 | 53.30 | 66.03 | 78.66 | 65.22 | 53.38 | 44.74 | 29.65 | 0.00 | | | | | | | |
| 45 | 0.89 | 2.15 | 4.19 | 7.36 | 8.14 | 15.84 | 23.38 | 30.82 | 38.18 | 45.49 | 59.96 | 74.28 | 88.49 | 77.83 | 63.70 | 37.00 | 0.00 | | | | | | | | |

Type A

Type B

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

80 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 80 -- 2001

| No. of Teeth | 1.000 inch Pitch | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|-------|---|-------|-------|-------|-------|-------|-------|--------|---------------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|------|------|
| | 10 | 25 | 50 | 75 | 88 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 |
| 11 | 0.44 | 1.06 | 2.07 | 3.05 | 3.56 | 4.03 | 7.83 | 11.56 | 15.23 | 18.87 | 22.48 | 26.07 | 27.41 | 22.97 | 19.61 | 14.92 | 11.84 | 9.69 | 8.12 | 6.93 | 4.96 | 3.77 | 3.00 | 2.45 | 0.00 |
| 12 | 0.48 | 1.16 | 2.26 | 3.33 | 3.88 | 4.39 | 8.54 | 12.61 | 16.62 | 20.59 | 24.53 | 28.44 | 31.23 | 26.17 | 22.35 | 17.00 | 13.49 | 11.04 | 9.25 | 7.90 | 5.65 | 4.30 | 3.41 | 2.79 | 0.00 |
| 13 | 0.52 | 1.26 | 2.45 | 3.61 | 4.21 | 4.76 | 9.26 | 13.66 | 18.00 | 22.31 | 26.57 | 30.81 | 35.02 | 29.51 | 25.20 | 19.17 | 15.21 | 12.45 | 10.43 | 8.91 | 6.37 | 4.85 | 3.85 | 3.15 | |
| 14 | 0.56 | 1.35 | 2.63 | 3.89 | 4.53 | 5.12 | 9.97 | 14.71 | 19.39 | 24.02 | 28.62 | 33.18 | 37.72 | 32.98 | 28.16 | 21.42 | 17.00 | 13.91 | 11.66 | 9.96 | 7.12 | 5.42 | 4.30 | 3.52 | |
| 15 | 0.60 | 1.45 | 2.82 | 4.16 | 4.86 | 5.49 | 10.68 | 15.76 | 20.77 | 25.74 | 30.66 | 35.55 | 40.41 | 36.58 | 31.23 | 23.76 | 18.85 | 15.43 | 12.93 | 11.04 | 7.90 | 6.01 | 4.77 | 0.00 | |
| 16 | 0.64 | 1.55 | 3.01 | 4.44 | 5.18 | 5.86 | 11.39 | 16.81 | 22.16 | 27.45 | 32.70 | 37.92 | 43.11 | 40.30 | 34.41 | 26.17 | 20.77 | 17.00 | 14.25 | 12.16 | 8.70 | 6.62 | 5.25 | 0.00 | |
| 17 | 0.68 | 1.64 | 3.20 | 4.72 | 5.50 | 6.22 | 12.10 | 17.86 | 23.54 | 29.17 | 34.75 | 40.29 | 45.80 | 44.13 | 37.68 | 28.66 | 22.75 | 18.62 | 15.60 | 13.32 | 9.53 | 7.25 | 0.00 | | |
| 18 | 0.72 | 1.74 | 3.39 | 5.00 | 5.83 | 6.59 | 12.81 | 18.91 | 24.93 | 30.88 | 36.79 | 42.66 | 48.49 | 48.08 | 41.05 | 31.23 | 24.78 | 20.29 | 17.00 | 14.51 | 10.39 | 7.90 | 0.00 | | |
| 19 | 0.76 | 1.84 | 3.57 | 5.28 | 6.15 | 6.95 | 13.53 | 19.96 | 26.31 | 32.60 | 38.84 | 45.03 | 51.19 | 52.15 | 44.52 | 33.87 | 26.88 | 22.00 | 18.44 | 15.74 | 11.26 | 0.36 | 0.00 | | |
| 20 | 0.80 | 1.93 | 3.76 | 5.55 | 6.47 | 7.32 | 14.24 | 21.01 | 27.70 | 34.32 | 40.88 | 47.40 | 53.88 | 56.32 | 48.08 | 36.58 | 29.03 | 23.76 | 19.91 | 17.00 | 12.16 | 0.00 | | | |
| 21 | 0.84 | 2.03 | 3.95 | 5.83 | 6.80 | 7.69 | 14.95 | 22.07 | 29.08 | 36.03 | 42.92 | 49.77 | 56.58 | 60.59 | 51.73 | 39.36 | 31.23 | 25.56 | 21.42 | 18.29 | 13.09 | 0.00 | | | |
| 22 | 0.88 | 2.13 | 4.14 | 6.11 | 7.12 | 8.05 | 15.66 | 23.12 | 30.47 | 37.75 | 44.97 | 52.14 | 59.27 | 64.97 | 55.47 | 42.20 | 33.49 | 27.41 | 22.97 | 19.61 | 14.03 | | | | |
| 23 | 0.92 | 2.22 | 4.33 | 6.39 | 7.45 | 8.42 | 16.37 | 24.17 | 31.85 | 39.46 | 47.01 | 54.51 | 61.97 | 69.38 | 59.30 | 45.11 | 35.80 | 29.30 | 24.55 | 20.97 | 15.00 | | | | |
| 24 | 0.96 | 2.32 | 4.52 | 6.66 | 7.77 | 8.78 | 17.09 | 25.22 | 33.24 | 41.18 | 49.06 | 56.88 | 64.66 | 72.40 | 63.21 | 48.08 | 38.16 | 31.23 | 26.17 | 22.35 | 15.99 | | | | |
| 25 | 1.00 | 2.42 | 4.70 | 6.94 | 8.09 | 9.15 | 17.80 | 26.27 | 34.62 | 42.89 | 51.10 | 59.25 | 67.35 | 75.42 | 67.20 | 51.12 | 40.57 | 33.20 | 27.83 | 23.76 | 8.16 | | | | |
| 26 | 1.04 | 2.51 | 4.89 | 7.22 | 8.42 | 9.52 | 18.51 | 27.32 | 36.01 | 44.61 | 53.14 | 61.62 | 70.05 | 78.43 | 71.27 | 54.22 | 43.02 | 35.22 | 29.51 | 25.20 | 0.00 | | | | |
| 28 | 1.12 | 2.71 | 5.27 | 7.77 | 9.06 | 10.25 | 19.93 | 29.42 | 38.78 | 48.04 | 57.23 | 66.36 | 75.44 | 84.47 | 79.65 | 60.59 | 48.08 | 39.36 | 32.98 | 28.16 | 0.00 | | | | |
| 30 | 1.20 | 2.90 | 5.64 | 8.33 | 9.71 | 10.98 | 21.36 | 31.52 | 41.55 | 51.47 | 61.32 | 71.10 | 80.82 | 90.50 | 88.33 | 67.20 | 53.33 | 43.65 | 36.58 | 31.23 | | | | | |
| 32 | 1.28 | 3.09 | 6.02 | 8.89 | 10.36 | 11.71 | 22.78 | 33.62 | 44.32 | 54.91 | 65.41 | 75.84 | 86.21 | 96.53 | 97.31 | 74.03 | 58.75 | 48.08 | 40.30 | 5.65 | | | | | |
| 35 | 1.40 | 3.38 | 6.58 | 9.72 | 11.33 | 12.81 | 24.92 | 36.78 | 48.47 | 60.05 | 71.54 | 82.95 | 94.29 | 105.58 | 111.31 | 84.68 | 67.20 | 55.00 | 28.15 | 0.00 | | | | | |
| 40 | 1.61 | 3.87 | 7.53 | 11.11 | 12.95 | 14.64 | 28.48 | 42.03 | 55.40 | 68.63 | 81.76 | 94.80 | 107.77 | 120.67 | 133.51 | 103.46 | 82.10 | 40.16 | 0.00 | | | | | | |
| 45 | 1.81 | 4.35 | 8.47 | 12.49 | 14.57 | 16.47 | 32.04 | 47.28 | 62.32 | 77.21 | 91.98 | 106.65 | 121.24 | 135.75 | 150.20 | 123.45 | 72.28 | 0.00 | | | | | | | |
| | Type A | | | | Type B | | | | | | | | Type C | | | | | | | | | | | | |

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

80H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 80H -- 2001

| No. of Teeth | 1.000 inch Pitch | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|------|-------|-------|-------|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|------|------|
| | 10 | 25 | 50 | 70 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 |
| 11 | 0.49 | 1.19 | 2.31 | 3.19 | 4.50 | 8.75 | 12.91 | 17.02 | 21.08 | 25.12 | 29.12 | 27.41 | 22.97 | 19.61 | 17.00 | 14.92 | 11.84 | 9.69 | 8.12 | 6.93 | 4.96 | 3.77 | 3.00 | 2.45 | 0.00 |
| 12 | 0.54 | 1.30 | 2.52 | 3.48 | 4.91 | 9.54 | 14.09 | 18.57 | 23.00 | 27.40 | 31.77 | 31.23 | 26.17 | 22.35 | 19.37 | 17.00 | 13.49 | 11.04 | 9.25 | 7.90 | 5.65 | 4.30 | 3.41 | 2.79 | 0.00 |
| 13 | 0.58 | 1.40 | 2.73 | 3.77 | 5.31 | 10.34 | 15.26 | 20.11 | 24.92 | 29.68 | 34.42 | 35.22 | 29.51 | 25.20 | 21.84 | 19.17 | 15.21 | 12.45 | 10.43 | 8.91 | 6.37 | 4.85 | 3.85 | 3.15 | |
| 14 | 0.63 | 1.51 | 2.94 | 4.06 | 5.72 | 11.13 | 16.43 | 21.66 | 26.83 | 31.97 | 37.07 | 39.36 | 32.98 | 28.16 | 24.41 | 21.42 | 17.00 | 13.91 | 11.66 | 9.96 | 7.12 | 5.42 | 4.30 | 2.02 | |
| 15 | 0.67 | 1.62 | 3.15 | 4.35 | 6.13 | 11.93 | 17.61 | 23.21 | 28.75 | 34.25 | 39.71 | 43.65 | 36.58 | 31.23 | 27.07 | 23.76 | 18.85 | 15.43 | 12.93 | 11.04 | 7.90 | 6.01 | 4.77 | 0.00 | |
| 16 | 0.72 | 1.73 | 3.36 | 4.64 | 6.54 | 12.73 | 18.78 | 24.75 | 30.67 | 36.53 | 42.36 | 48.08 | 40.30 | 34.41 | 29.82 | 26.17 | 20.77 | 17.00 | 14.25 | 12.16 | 8.70 | 6.62 | 0.00 | | |
| 17 | 0.76 | 1.84 | 3.57 | 4.94 | 6.95 | 13.52 | 19.95 | 26.30 | 32.59 | 38.82 | 45.01 | 51.17 | 44.13 | 37.68 | 32.66 | 28.66 | 22.75 | 18.62 | 15.60 | 13.32 | 9.53 | 7.25 | 0.00 | | |
| 18 | 0.81 | 1.94 | 3.78 | 5.23 | 7.36 | 14.32 | 21.13 | 27.85 | 34.50 | 41.10 | 47.66 | 54.17 | 48.08 | 41.05 | 35.59 | 31.23 | 24.78 | 20.29 | 17.00 | 14.51 | 10.39 | 1.88 | 0.00 | | |
| 19 | 0.85 | 2.05 | 3.99 | 5.52 | 7.77 | 15.11 | 22.30 | 29.40 | 36.42 | 43.38 | 50.30 | 57.18 | 52.15 | 44.52 | 38.59 | 33.87 | 26.88 | 22.00 | 18.44 | 15.74 | 11.26 | 0.00 | | | |
| 20 | 0.90 | 2.16 | 4.20 | 5.81 | 8.18 | 15.91 | 23.48 | 30.94 | 38.34 | 45.67 | 52.95 | 60.19 | 56.32 | 48.08 | 41.68 | 36.58 | 29.03 | 23.76 | 19.91 | 17.00 | 12.16 | 0.00 | | | |
| 21 | 0.94 | 2.27 | 4.41 | 6.10 | 8.59 | 16.70 | 24.65 | 32.49 | 40.25 | 47.95 | 55.60 | 63.20 | 60.59 | 51.73 | 44.84 | 39.36 | 31.23 | 25.56 | 21.42 | 18.29 | 0.00 | | | | |
| 22 | 0.99 | 2.38 | 4.62 | 6.39 | 8.99 | 17.50 | 25.82 | 34.04 | 42.17 | 50.24 | 58.25 | 66.21 | 64.97 | 55.47 | 48.08 | 42.20 | 33.49 | 27.41 | 22.97 | 19.61 | 0.00 | | | | |
| 23 | 1.03 | 2.48 | 4.83 | 6.68 | 9.40 | 18.29 | 27.00 | 35.58 | 44.09 | 52.52 | 60.89 | 69.22 | 69.45 | 59.30 | 51.40 | 45.11 | 35.80 | 29.30 | 24.55 | 20.97 | 0.00 | | | | |
| 24 | 1.08 | 2.59 | 5.04 | 6.97 | 9.81 | 19.09 | 28.17 | 37.13 | 46.00 | 54.80 | 63.54 | 72.23 | 74.03 | 63.21 | 54.79 | 48.08 | 38.16 | 31.23 | 26.17 | 22.35 | 0.00 | | | | |
| 25 | 1.12 | 2.70 | 5.25 | 7.26 | 10.22 | 19.88 | 29.35 | 38.68 | 47.92 | 57.09 | 66.19 | 75.24 | 78.70 | 67.20 | 58.25 | 51.12 | 40.57 | 33.20 | 27.83 | 23.76 | | | | | |
| 26 | 1.17 | 2.81 | 5.46 | 7.55 | 10.63 | 20.68 | 30.52 | 40.23 | 49.84 | 59.37 | 68.84 | 78.25 | 83.47 | 71.27 | 61.78 | 54.22 | 43.02 | 35.22 | 29.51 | 25.20 | | | | | |
| 28 | 1.26 | 3.03 | 5.88 | 8.13 | 11.45 | 22.27 | 32.87 | 43.32 | 53.67 | 63.94 | 74.13 | 84.27 | 93.29 | 79.65 | 69.04 | 60.59 | 48.08 | 39.36 | 32.98 | 28.16 | | | | | |
| 30 | 1.34 | 3.24 | 6.31 | 8.71 | 12.27 | 23.86 | 35.21 | 46.41 | 57.50 | 68.50 | 79.43 | 90.29 | 101.10 | 88.33 | 76.57 | 67.20 | 53.33 | 43.65 | 36.58 | 12.26 | | | | | |
| 32 | 1.43 | 3.46 | 6.73 | 9.29 | 13.08 | 25.45 | 37.56 | 49.51 | 61.34 | 73.07 | 84.72 | 96.31 | 107.84 | 97.31 | 84.35 | 74.03 | 58.75 | 48.08 | 39.43 | 0.00 | | | | | |
| 35 | 1.57 | 3.78 | 7.36 | 10.16 | 14.31 | 27.84 | 41.08 | 54.15 | 67.09 | 79.92 | 92.67 | 105.34 | 117.95 | 111.31 | 96.49 | 84.68 | 67.20 | 55.00 | 5.58 | 0.00 | | | | | |
| 40 | 1.79 | 4.32 | 8.41 | 11.61 | 16.35 | 31.81 | 46.95 | 61.89 | 76.67 | 91.34 | 105.90 | 120.39 | 134.80 | 136.00 | 117.88 | 103.46 | 82.10 | 14.36 | 0.00 | | | | | | |
| 45 | 2.02 | 4.86 | 9.46 | 13.06 | 18.40 | 35.79 | 52.82 | 69.62 | 86.25 | 102.75 | 119.14 | 135.44 | 151.65 | 162.28 | 140.66 | 123.45 | 43.25 | 0.00 | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

100 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 100 -- 2001

| No. of Teeth | 1.250 inch Pitch | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|------|
| | 10 | 25 | 50 | 71 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2500 | 3000 | 3500 | 4000 |
| 11 | 0.85 | 2.04 | 3.96 | 5.55 | 7.71 | 11.38 | 15.00 | 22.14 | 29.18 | 36.15 | 43.06 | 40.03 | 32.77 | 27.46 | 23.45 | 20.32 | 17.84 | 14.15 | 11.58 | 9.71 | 8.29 | 5.93 | 4.51 | 3.58 | 0.00 |
| 12 | 0.92 | 2.22 | 4.32 | 6.05 | 8.41 | 12.41 | 16.36 | 24.15 | 31.83 | 39.44 | 46.98 | 45.61 | 37.33 | 31.29 | 26.71 | 23.16 | 20.32 | 16.13 | 13.20 | 11.06 | 9.45 | 6.76 | 5.14 | 0.00 | |
| 13 | 1.00 | 2.41 | 4.68 | 6.56 | 9.11 | 13.45 | 17.73 | 26.16 | 34.48 | 42.72 | 50.89 | 51.43 | 42.10 | 35.28 | 30.12 | 26.11 | 22.92 | 18.18 | 14.88 | 12.47 | 10.65 | 7.62 | 5.80 | 0.00 | |
| 14 | 1.08 | 2.59 | 5.04 | 7.06 | 9.81 | 14.48 | 19.09 | 28.18 | 37.14 | 46.01 | 54.81 | 57.48 | 47.05 | 39.43 | 33.66 | 29.18 | 25.61 | 20.32 | 16.63 | 13.94 | 11.90 | 8.52 | 1.13 | 0.00 | |
| 15 | 1.15 | 2.78 | 5.41 | 7.57 | 10.51 | 15.52 | 20.45 | 30.19 | 39.79 | 49.30 | 58.72 | 63.75 | 52.18 | 43.73 | 37.33 | 32.36 | 28.40 | 22.54 | 18.45 | 15.46 | 13.20 | 9.45 | 0.00 | | |
| 16 | 1.23 | 2.96 | 5.77 | 8.07 | 11.22 | 16.55 | 21.82 | 32.20 | 42.44 | 52.58 | 62.64 | 70.23 | 57.48 | 48.17 | 41.13 | 35.65 | 31.29 | 24.83 | 20.32 | 17.03 | 14.54 | 10.41 | 0.00 | | |
| 17 | 1.31 | 3.15 | 6.13 | 8.58 | 11.92 | 17.59 | 23.18 | 34.21 | 45.10 | 55.87 | 66.55 | 76.91 | 62.95 | 52.76 | 45.05 | 39.04 | 34.27 | 27.19 | 22.26 | 18.65 | 15.93 | 11.40 | 0.00 | | |
| 18 | 1.38 | 3.33 | 6.49 | 9.08 | 12.62 | 18.62 | 24.55 | 36.23 | 47.75 | 59.15 | 70.47 | 81.71 | 68.59 | 57.48 | 49.08 | 42.54 | 37.33 | 29.63 | 24.25 | 20.32 | 17.35 | 0.18 | 0.00 | | |
| 19 | 1.46 | 3.52 | 6.85 | 9.59 | 13.32 | 19.66 | 25.91 | 38.24 | 50.40 | 62.44 | 74.38 | 86.25 | 74.38 | 62.34 | 53.22 | 46.13 | 40.49 | 32.13 | 26.30 | 22.04 | 18.82 | 0.00 | | | |
| 20 | 1.54 | 3.70 | 7.21 | 10.09 | 14.02 | 20.69 | 27.27 | 40.25 | 53.05 | 65.73 | 78.30 | 90.79 | 80.33 | 67.32 | 57.48 | 49.82 | 43.73 | 34.70 | 28.40 | 23.80 | 20.32 | 0.00 | | | |
| 21 | 1.61 | 3.89 | 7.57 | 10.60 | 14.72 | 21.73 | 28.64 | 42.26 | 55.71 | 69.01 | 82.21 | 95.33 | 86.43 | 72.43 | 61.85 | 53.61 | 47.05 | 37.33 | 30.56 | 25.61 | 21.87 | 0.00 | | | |
| 22 | 1.69 | 4.08 | 7.93 | 11.10 | 15.42 | 22.76 | 30.00 | 44.28 | 58.36 | 72.30 | 86.13 | 99.87 | 92.68 | 77.67 | 66.31 | 57.48 | 50.45 | 40.03 | 32.77 | 27.46 | 23.45 | 0.00 | | | |
| 23 | 1.77 | 4.26 | 8.29 | 11.60 | 16.12 | 23.79 | 31.36 | 46.29 | 61.01 | 75.59 | 90.04 | 104.41 | 99.07 | 83.02 | 70.89 | 61.44 | 53.93 | 42.79 | 35.03 | 29.35 | 25.06 | 0.00 | | | |
| 24 | 1.84 | 4.45 | 8.65 | 12.11 | 16.82 | 24.83 | 32.73 | 48.30 | 63.66 | 78.87 | 93.96 | 108.95 | 105.60 | 88.50 | 75.56 | 65.49 | 57.48 | 45.61 | 37.33 | 31.29 | 5.43 | 0.00 | | | |
| 25 | 1.92 | 4.63 | 9.01 | 12.61 | 17.52 | 25.86 | 34.09 | 50.31 | 66.32 | 82.16 | 97.87 | 113.48 | 112.27 | 94.09 | 80.33 | 69.63 | 61.11 | 48.49 | 39.69 | 33.26 | 0.00 | | | | |
| 26 | 2.00 | 4.82 | 9.37 | 13.12 | 18.23 | 26.90 | 35.45 | 52.33 | 68.97 | 85.45 | 101.79 | 118.02 | 119.07 | 99.79 | 85.20 | 73.85 | 64.81 | 51.43 | 42.10 | 35.28 | 0.00 | | | | |
| 28 | 2.15 | 5.19 | 10.09 | 14.13 | 19.63 | 28.97 | 38.18 | 56.35 | 74.27 | 92.02 | 109.62 | 127.10 | 133.07 | 111.52 | 95.22 | 82.53 | 72.43 | 57.48 | 47.05 | 0.00 | | | | | |
| 30 | 2.31 | 5.56 | 10.81 | 15.14 | 21.03 | 31.04 | 40.91 | 60.38 | 79.58 | 98.59 | 117.45 | 136.18 | 147.58 | 123.68 | 105.60 | 91.53 | 80.33 | 63.75 | 49.40 | 0.00 | | | | | |
| 32 | 2.46 | 5.93 | 11.53 | 16.15 | 22.43 | 33.11 | 43.64 | 64.40 | 84.88 | 105.16 | 125.28 | 145.26 | 162.58 | 136.25 | 116.33 | 100.84 | 88.50 | 70.23 | 8.82 | 0.00 | | | | | |
| 35 | 2.69 | 6.48 | 12.61 | 17.66 | 24.53 | 36.21 | 47.73 | 70.44 | 92.84 | 115.02 | 137.02 | 158.88 | 180.61 | 155.85 | 133.07 | 115.34 | 101.23 | 69.02 | 0.00 | | | | | | |
| 40 | 3.07 | 7.41 | 14.41 | 20.18 | 28.04 | 41.38 | 54.54 | 80.50 | 106.11 | 131.45 | 156.60 | 181.58 | 206.41 | 190.42 | 162.58 | 140.92 | 122.68 | 0.00 | | | | | | | |
| 45 | 3.46 | 8.34 | 16.22 | 22.71 | 31.54 | 46.55 | 61.36 | 90.56 | 119.37 | 147.89 | 176.17 | 204.27 | 232.21 | 227.21 | 194.00 | 168.15 | 34.58 | 0.00 | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

100H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 100H -- 2001

| No. of Teeth | 1.250 inch Pitch | | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|-------|--------|--------|--------|---|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|------|------|
| | 10 | 25 | 50 | 58 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2700 | 3000 | 3500 |
| 11 | 0.93 | 2.23 | 4.34 | 5.01 | 8.45 | 16.43 | 24.25 | 31.96 | 39.60 | 47.18 | 40.03 | 32.77 | 27.46 | 23.45 | 20.32 | 17.84 | 14.15 | 11.58 | 9.71 | 8.29 | 7.19 | 6.31 | 5.28 | 4.51 | 0.00 |
| 12 | 1.01 | 2.44 | 4.74 | 5.46 | 9.21 | 17.93 | 26.46 | 34.87 | 43.20 | 51.46 | 45.61 | 37.33 | 31.29 | 26.71 | 23.16 | 20.32 | 16.13 | 13.20 | 11.06 | 9.45 | 8.19 | 7.19 | 6.02 | 5.14 | 0.00 |
| 13 | 1.09 | 2.64 | 5.13 | 5.92 | 9.98 | 19.42 | 28.66 | 37.78 | 46.80 | 55.75 | 51.43 | 42.10 | 35.28 | 30.12 | 26.11 | 22.92 | 18.18 | 14.88 | 12.47 | 10.65 | 9.23 | 8.10 | 6.79 | 5.80 | 0.00 |
| 14 | 1.18 | 2.84 | 5.53 | 6.37 | 10.75 | 20.91 | 30.86 | 40.68 | 50.40 | 60.04 | 57.48 | 47.05 | 39.43 | 33.66 | 29.18 | 25.61 | 20.32 | 16.63 | 13.94 | 11.90 | 10.32 | 9.05 | 7.59 | 0.00 | |
| 15 | 1.26 | 3.04 | 5.92 | 6.83 | 11.52 | 22.41 | 33.07 | 43.59 | 54.00 | 64.33 | 63.75 | 52.18 | 43.73 | 37.33 | 32.36 | 28.40 | 22.54 | 18.45 | 15.46 | 13.20 | 11.44 | 10.04 | 8.42 | 0.00 | |
| 16 | 1.35 | 3.25 | 6.32 | 7.28 | 12.29 | 23.90 | 35.27 | 46.49 | 57.60 | 68.62 | 70.23 | 57.48 | 48.17 | 41.13 | 35.65 | 31.29 | 24.83 | 20.32 | 17.03 | 14.54 | 12.60 | 11.06 | 0.00 | | |
| 17 | 1.43 | 3.45 | 6.71 | 7.74 | 13.05 | 25.39 | 37.48 | 49.40 | 61.20 | 72.91 | 76.91 | 62.95 | 52.76 | 45.05 | 39.04 | 34.27 | 27.19 | 22.26 | 18.65 | 15.93 | 13.80 | 12.12 | 0.00 | | |
| 18 | 1.52 | 3.65 | 7.11 | 8.19 | 13.82 | 26.89 | 39.68 | 52.31 | 64.80 | 77.20 | 83.80 | 68.59 | 57.48 | 49.08 | 42.54 | 37.33 | 29.63 | 24.25 | 20.32 | 17.35 | 15.04 | 2.94 | 0.00 | | |
| 19 | 1.60 | 3.86 | 7.50 | 8.65 | 14.59 | 28.38 | 41.89 | 55.21 | 68.40 | 81.48 | 90.88 | 74.38 | 62.34 | 53.22 | 46.13 | 40.49 | 32.13 | 26.30 | 22.04 | 18.82 | 16.31 | 0.00 | | | |
| 20 | 1.68 | 4.06 | 7.89 | 9.10 | 15.36 | 29.88 | 44.09 | 58.12 | 72.00 | 85.77 | 98.15 | 80.33 | 67.32 | 57.48 | 49.82 | 43.73 | 34.70 | 28.40 | 23.80 | 20.32 | 7.77 | 0.00 | | | |
| 21 | 1.77 | 4.26 | 8.29 | 9.56 | 16.13 | 31.37 | 46.30 | 61.02 | 75.60 | 90.06 | 104.43 | 86.43 | 72.43 | 61.85 | 53.61 | 47.05 | 37.33 | 30.56 | 25.61 | 21.87 | 0.00 | | | | |
| 22 | 1.85 | 4.46 | 8.68 | 10.01 | 16.89 | 32.86 | 48.50 | 63.93 | 79.20 | 94.35 | 109.40 | 92.68 | 77.67 | 66.31 | 57.48 | 50.45 | 40.03 | 32.77 | 27.46 | 21.67 | 0.00 | | | | |
| 23 | 1.94 | 4.67 | 9.08 | 10.47 | 17.66 | 34.36 | 50.71 | 66.83 | 82.80 | 98.64 | 114.37 | 99.07 | 83.02 | 70.89 | 61.44 | 53.93 | 42.79 | 35.03 | 29.35 | 2.94 | 0.00 | | | | |
| 24 | 2.02 | 4.87 | 9.47 | 10.92 | 18.43 | 35.85 | 52.91 | 69.74 | 86.40 | 102.93 | 119.34 | 105.60 | 88.50 | 75.56 | 65.49 | 57.48 | 45.61 | 37.33 | 31.29 | 0.00 | | | | | |
| 25 | 2.10 | 5.07 | 9.87 | 11.38 | 19.20 | 37.34 | 55.12 | 72.65 | 90.00 | 107.22 | 124.32 | 112.27 | 94.09 | 80.33 | 69.63 | 61.11 | 48.49 | 39.69 | 29.68 | 0.00 | | | | | |
| 26 | 2.19 | 5.28 | 10.26 | 11.83 | 19.97 | 38.84 | 57.32 | 75.55 | 93.60 | 111.51 | 129.29 | 119.07 | 99.79 | 85.20 | 73.85 | 64.81 | 51.43 | 42.10 | 11.58 | 0.00 | | | | | |
| 28 | 2.36 | 5.68 | 11.05 | 12.75 | 21.50 | 41.83 | 61.73 | 81.36 | 100.80 | 120.08 | 139.24 | 133.07 | 111.52 | 95.22 | 82.53 | 72.43 | 57.48 | 47.05 | 0.00 | | | | | | |
| 30 | 2.53 | 6.09 | 11.84 | 13.66 | 23.04 | 44.81 | 66.14 | 87.18 | 108.00 | 128.66 | 149.18 | 147.58 | 123.68 | 105.60 | 91.53 | 80.33 | 63.75 | 19.16 | 0.00 | | | | | | |
| 32 | 2.69 | 6.49 | 12.63 | 14.57 | 24.57 | 47.80 | 70.55 | 92.99 | 115.20 | 137.24 | 159.13 | 162.58 | 136.25 | 116.33 | 100.84 | 88.50 | 70.23 | 0.00 | | | | | | | |
| 35 | 2.95 | 7.10 | 13.82 | 15.93 | 26.88 | 52.28 | 77.16 | 101.71 | 126.00 | 150.10 | 174.04 | 185.97 | 155.85 | 133.07 | 115.34 | 101.23 | 33.74 | 0.00 | | | | | | | |
| 40 | 3.37 | 8.12 | 15.79 | 18.21 | 30.72 | 59.75 | 88.18 | 116.23 | 144.00 | 171.55 | 198.91 | 226.11 | 190.42 | 162.58 | 140.92 | 82.37 | 0.00 | | | | | | | | |
| 45 | 3.79 | 9.13 | 17.76 | 20.48 | 34.55 | 67.22 | 99.21 | 130.76 | 162.00 | 192.99 | 223.77 | 254.38 | 227.21 | 194.00 | 85.51 | 0.00 | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

120 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 120 -- 2001

| No. of Teeth | 1.500 inch Pitch | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|-------|-------|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|------|
| | 10 | 25 | 50 | 60 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2700 | 3000 |
| 11 | 1.43 | 3.44 | 6.69 | 7.97 | 9.88 | 13.02 | 19.22 | 25.33 | 37.38 | 49.27 | 61.04 | 58.37 | 46.32 | 37.91 | 31.77 | 27.13 | 20.64 | 16.38 | 13.40 | 11.23 | 9.59 | 8.31 | 7.30 | 6.11 | 0.00 |
| 12 | 1.56 | 3.75 | 7.30 | 8.70 | 10.78 | 14.20 | 20.96 | 27.63 | 40.78 | 53.75 | 66.59 | 66.51 | 52.78 | 43.20 | 36.20 | 30.91 | 23.51 | 18.66 | 15.27 | 12.80 | 10.93 | 9.47 | 8.31 | 6.97 | 0.00 |
| 13 | 1.69 | 4.07 | 7.91 | 9.42 | 11.67 | 15.39 | 22.71 | 29.93 | 44.18 | 58.23 | 72.14 | 74.99 | 59.51 | 48.71 | 40.82 | 34.85 | 26.51 | 21.04 | 17.22 | 14.43 | 12.32 | 10.68 | 9.37 | 0.00 | |
| 14 | 1.82 | 4.38 | 8.52 | 10.15 | 12.57 | 16.57 | 24.46 | 32.24 | 47.58 | 62.71 | 77.69 | 83.81 | 66.51 | 54.44 | 45.62 | 38.95 | 29.63 | 23.51 | 19.25 | 16.13 | 13.77 | 11.94 | 10.48 | 0.00 | |
| 15 | 1.95 | 4.69 | 9.13 | 10.87 | 13.47 | 17.76 | 26.20 | 34.54 | 50.98 | 67.19 | 83.24 | 92.95 | 73.76 | 60.37 | 50.59 | 43.20 | 32.86 | 26.08 | 21.34 | 17.89 | 15.27 | 13.24 | 0.00 | | |
| 16 | 2.08 | 5.00 | 9.74 | 11.60 | 14.37 | 18.94 | 27.95 | 36.84 | 54.37 | 71.67 | 88.79 | 102.39 | 81.26 | 66.51 | 55.74 | 47.59 | 36.20 | 28.73 | 23.51 | 19.71 | 16.83 | 14.58 | 0.00 | | |
| 17 | 2.21 | 5.32 | 10.34 | 12.32 | 15.27 | 20.12 | 29.70 | 39.14 | 57.77 | 76.15 | 94.34 | 112.14 | 88.99 | 72.84 | 61.04 | 52.12 | 39.65 | 31.46 | 25.75 | 21.58 | 18.43 | 0.00 | | | |
| 18 | 2.34 | 5.63 | 10.95 | 13.05 | 16.16 | 21.31 | 31.45 | 41.45 | 61.17 | 80.63 | 99.89 | 119.00 | 96.96 | 79.36 | 66.51 | 56.78 | 43.20 | 34.28 | 28.06 | 23.51 | 20.08 | 0.00 | | | |
| 19 | 2.47 | 5.94 | 11.56 | 13.77 | 17.06 | 22.49 | 33.19 | 43.75 | 64.57 | 85.11 | 105.44 | 125.61 | 105.15 | 86.06 | 72.13 | 61.58 | 46.85 | 37.18 | 30.43 | 25.50 | 0.80 | 0.00 | | | |
| 20 | 2.60 | 6.26 | 12.17 | 14.50 | 17.96 | 23.67 | 34.94 | 46.05 | 67.97 | 89.59 | 110.99 | 132.22 | 113.56 | 92.95 | 77.89 | 66.51 | 50.59 | 40.15 | 32.86 | 27.54 | 0.00 | | | | |
| 21 | 2.73 | 6.57 | 12.78 | 15.22 | 18.86 | 24.86 | 36.69 | 48.36 | 71.37 | 94.07 | 116.54 | 138.83 | 122.18 | 100.00 | 83.81 | 71.56 | 54.44 | 43.20 | 35.36 | 27.46 | 0.00 | | | | |
| 22 | 2.86 | 6.88 | 13.39 | 15.95 | 19.76 | 26.04 | 38.43 | 50.66 | 74.76 | 98.55 | 122.09 | 145.44 | 131.01 | 107.23 | 89.87 | 76.73 | 58.37 | 46.32 | 37.91 | 0.00 | | | | | |
| 23 | 2.99 | 7.19 | 14.00 | 16.67 | 20.65 | 27.22 | 40.18 | 52.96 | 78.16 | 103.02 | 127.64 | 152.05 | 140.04 | 114.62 | 96.06 | 82.02 | 62.39 | 49.51 | 40.53 | 0.00 | | | | | |
| 24 | 3.11 | 7.51 | 14.60 | 17.40 | 21.55 | 28.41 | 41.93 | 55.26 | 81.56 | 107.50 | 133.19 | 158.66 | 149.28 | 122.18 | 102.39 | 87.43 | 66.51 | 52.78 | 43.20 | 0.00 | | | | | |
| 25 | 3.24 | 7.82 | 15.21 | 18.12 | 22.45 | 29.59 | 43.67 | 57.57 | 84.96 | 111.98 | 138.74 | 165.27 | 158.70 | 129.90 | 108.86 | 92.95 | 70.71 | 56.11 | 18.37 | 0.00 | | | | | |
| 26 | 3.37 | 8.13 | 15.82 | 18.85 | 23.35 | 30.78 | 45.42 | 59.87 | 88.36 | 116.46 | 144.29 | 171.88 | 168.32 | 137.77 | 115.46 | 98.58 | 74.99 | 59.51 | 0.00 | | | | | | |
| 28 | 3.63 | 8.76 | 17.04 | 20.30 | 25.15 | 33.14 | 48.92 | 64.47 | 95.15 | 125.42 | 155.38 | 185.11 | 188.11 | 153.97 | 129.03 | 110.17 | 83.81 | 66.51 | 0.00 | | | | | | |
| 30 | 3.89 | 9.38 | 18.25 | 21.75 | 26.94 | 35.51 | 52.41 | 69.08 | 101.95 | 134.38 | 166.48 | 198.33 | 208.62 | 170.75 | 143.10 | 122.18 | 92.95 | 13.70 | 0.00 | | | | | | |
| 32 | 4.15 | 10.01 | 19.47 | 23.20 | 28.74 | 37.88 | 55.90 | 73.68 | 108.75 | 143.34 | 177.58 | 211.55 | 229.83 | 188.11 | 157.65 | 134.60 | 102.39 | 0.00 | | | | | | | |
| 35 | 4.54 | 10.95 | 21.30 | 25.37 | 31.43 | 41.43 | 61.14 | 80.59 | 118.94 | 156.78 | 194.23 | 231.38 | 262.89 | 215.17 | 180.33 | 153.97 | 117.13 | 0.00 | | | | | | | |
| 40 | 5.19 | 12.51 | 24.34 | 28.99 | 35.92 | 47.35 | 69.88 | 92.11 | 135.94 | 179.17 | 221.98 | 264.44 | 306.61 | 262.89 | 220.32 | 176.66 | 0.00 | | | | | | | | |
| 45 | 5.84 | 14.08 | 27.38 | 32.62 | 40.41 | 53.27 | 78.61 | 103.62 | 152.93 | 201.57 | 249.72 | 297.49 | 344.94 | 313.69 | 213.33 | 49.79 | 0.00 | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

120H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 120H -- 2001

| No. of Teeth | 1.500 inch Pitch | | | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|------|------|
| | 5 | 10 | 25 | 50 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2700 | 3000 |
| 11 | 0.79 | 1.54 | 3.72 | 7.23 | 10.67 | 14.06 | 20.76 | 27.36 | 40.38 | 53.22 | 65.93 | 58.37 | 46.32 | 37.91 | 31.77 | 27.13 | 20.64 | 16.38 | 13.40 | 11.23 | 9.59 | 8.31 | 7.30 | 6.11 | 0.00 |
| 12 | 0.86 | 1.68 | 4.05 | 7.89 | 11.64 | 15.34 | 22.64 | 29.85 | 44.05 | 58.06 | 71.93 | 66.51 | 52.78 | 43.20 | 36.20 | 30.91 | 23.51 | 18.66 | 15.27 | 12.80 | 10.93 | 9.47 | 8.31 | 1.06 | 0.00 |
| 13 | 0.94 | 1.82 | 4.39 | 8.54 | 12.61 | 16.62 | 24.53 | 32.33 | 47.72 | 62.90 | 77.92 | 74.99 | 59.51 | 48.71 | 40.82 | 34.85 | 26.51 | 21.04 | 17.22 | 14.43 | 12.32 | 10.68 | 9.37 | 0.00 | 0.00 |
| 14 | 1.01 | 1.96 | 4.73 | 9.20 | 13.58 | 17.90 | 26.42 | 34.82 | 51.39 | 67.73 | 83.92 | 83.81 | 66.51 | 54.44 | 45.62 | 38.95 | 29.63 | 23.51 | 19.25 | 16.13 | 13.77 | 11.94 | 4.55 | 0.00 | 0.00 |
| 15 | 1.08 | 2.10 | 5.07 | 9.86 | 14.55 | 19.18 | 28.30 | 37.31 | 55.06 | 72.57 | 89.91 | 92.95 | 73.76 | 60.37 | 50.59 | 43.20 | 32.86 | 26.08 | 21.34 | 17.89 | 15.27 | 13.24 | 0.00 | 0.00 | 0.00 |
| 16 | 1.15 | 2.24 | 5.41 | 10.52 | 15.52 | 20.46 | 30.19 | 39.79 | 58.73 | 77.41 | 95.90 | 102.39 | 81.26 | 66.51 | 55.74 | 47.59 | 36.20 | 28.73 | 23.51 | 19.71 | 16.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | 1.23 | 2.38 | 5.74 | 11.17 | 16.49 | 21.73 | 32.08 | 42.28 | 62.40 | 82.25 | 101.90 | 112.14 | 88.99 | 72.84 | 61.04 | 52.12 | 39.65 | 31.46 | 25.75 | 21.58 | 18.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 1.30 | 2.52 | 6.08 | 11.83 | 17.46 | 23.01 | 33.96 | 44.77 | 66.07 | 87.09 | 107.89 | 122.18 | 96.96 | 79.36 | 66.51 | 56.78 | 43.20 | 34.28 | 28.06 | 23.51 | 4.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 1.37 | 2.66 | 6.42 | 12.49 | 18.43 | 24.29 | 35.85 | 47.26 | 69.74 | 91.93 | 113.89 | 132.50 | 105.15 | 86.06 | 72.13 | 61.58 | 46.85 | 37.18 | 30.43 | 25.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 1.44 | 2.80 | 6.76 | 13.14 | 19.40 | 25.57 | 37.74 | 49.74 | 73.41 | 96.76 | 119.88 | 142.81 | 113.56 | 92.95 | 77.89 | 66.51 | 50.59 | 40.15 | 32.86 | 24.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 1.51 | 2.94 | 7.09 | 13.80 | 20.37 | 26.85 | 39.63 | 52.23 | 77.08 | 101.60 | 125.87 | 149.95 | 122.18 | 100.00 | 83.81 | 71.56 | 54.44 | 43.20 | 35.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 1.59 | 3.08 | 7.43 | 14.46 | 21.34 | 28.13 | 41.51 | 54.72 | 80.75 | 106.44 | 131.87 | 157.09 | 131.01 | 107.23 | 89.87 | 76.73 | 58.37 | 46.32 | 37.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 1.66 | 3.22 | 7.77 | 15.12 | 22.31 | 29.41 | 43.40 | 57.20 | 84.42 | 111.28 | 137.86 | 164.23 | 140.04 | 114.62 | 96.06 | 82.02 | 62.39 | 49.51 | 38.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 1.73 | 3.36 | 8.11 | 15.77 | 23.28 | 30.68 | 45.29 | 59.69 | 88.10 | 116.12 | 143.86 | 171.37 | 149.28 | 122.18 | 102.39 | 87.43 | 66.51 | 52.78 | 12.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 1.80 | 3.50 | 8.45 | 16.43 | 24.25 | 31.96 | 47.17 | 62.18 | 91.77 | 120.96 | 149.85 | 178.51 | 158.70 | 129.90 | 108.86 | 92.95 | 70.71 | 56.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 1.87 | 3.64 | 8.78 | 17.09 | 25.22 | 33.24 | 49.06 | 64.66 | 95.44 | 125.79 | 155.84 | 185.65 | 168.32 | 137.77 | 115.46 | 98.58 | 74.99 | 59.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 2.02 | 3.93 | 9.46 | 18.40 | 27.16 | 35.80 | 52.83 | 69.64 | 102.78 | 135.47 | 167.83 | 199.94 | 188.11 | 153.97 | 129.03 | 110.17 | 83.81 | 30.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 2.16 | 4.21 | 10.14 | 19.72 | 29.10 | 38.36 | 56.61 | 74.61 | 110.12 | 145.15 | 179.82 | 214.22 | 208.62 | 170.75 | 143.10 | 122.18 | 92.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 2.31 | 4.49 | 10.81 | 21.03 | 31.04 | 40.91 | 60.38 | 79.59 | 117.46 | 154.82 | 191.81 | 228.50 | 229.83 | 188.11 | 157.65 | 134.60 | 88.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 2.52 | 4.91 | 11.82 | 23.00 | 33.95 | 44.75 | 66.04 | 87.05 | 128.47 | 169.34 | 209.79 | 249.92 | 262.89 | 215.17 | 180.33 | 153.97 | 12.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 2.88 | 5.61 | 13.51 | 26.29 | 38.80 | 51.14 | 75.48 | 99.48 | 146.83 | 193.53 | 239.76 | 285.62 | 321.19 | 262.89 | 220.32 | 118.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 3.24 | 6.31 | 15.20 | 29.58 | 43.65 | 57.53 | 84.91 | 111.92 | 165.18 | 217.72 | 269.73 | 321.32 | 372.57 | 278.98 | 148.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

140 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 140 -- 2001

| No. of Teeth | 1.750 inch Pitch | | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|-------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 25 | 50 | 53 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2700 |
| 11 | 1.14 | 2.21 | 5.32 | 10.36 | 10.95 | 15.28 | 20.15 | 29.73 | 39.19 | 57.84 | 76.24 | 86.80 | 66.03 | 52.40 | 42.89 | 35.94 | 30.69 | 23.35 | 18.53 | 15.16 | 12.71 | 10.85 | 9.40 | 8.25 | 0.00 |
| 12 | 1.24 | 2.41 | 5.81 | 11.30 | 11.95 | 16.67 | 21.98 | 32.44 | 42.75 | 63.10 | 83.17 | 98.90 | 75.24 | 59.70 | 48.87 | 40.95 | 34.97 | 26.60 | 21.11 | 17.28 | 14.48 | 12.36 | 10.72 | 0.72 | 0.00 |
| 13 | 1.34 | 2.61 | 6.29 | 12.24 | 12.94 | 18.06 | 23.81 | 35.14 | 46.32 | 68.36 | 90.10 | 111.52 | 84.83 | 67.32 | 55.10 | 46.18 | 39.43 | 29.99 | 23.80 | 19.48 | 16.33 | 13.94 | 12.08 | 0.00 | |
| 14 | 1.45 | 2.81 | 6.78 | 13.18 | 13.94 | 19.45 | 25.64 | 37.84 | 49.88 | 73.61 | 97.03 | 120.21 | 94.81 | 75.24 | 61.58 | 51.61 | 44.06 | 33.52 | 26.60 | 21.77 | 18.25 | 15.58 | 0.00 | | |
| 15 | 1.55 | 3.01 | 7.26 | 14.12 | 14.93 | 20.84 | 27.47 | 40.54 | 53.44 | 78.87 | 103.96 | 128.79 | 105.15 | 83.44 | 68.29 | 57.23 | 48.87 | 37.17 | 29.50 | 24.15 | 20.24 | 17.28 | 0.00 | | |
| 16 | 1.65 | 3.21 | 7.74 | 15.06 | 15.93 | 22.23 | 29.30 | 43.25 | 57.00 | 84.13 | 110.89 | 137.38 | 115.83 | 91.92 | 75.24 | 63.05 | 53.83 | 40.95 | 32.50 | 26.60 | 22.29 | 0.00 | | | |
| 17 | 1.75 | 3.41 | 8.23 | 16.00 | 16.93 | 23.62 | 31.13 | 45.95 | 60.57 | 89.39 | 117.82 | 145.97 | 126.86 | 100.67 | 82.40 | 69.05 | 58.96 | 44.85 | 35.59 | 29.13 | 24.41 | 0.00 | | | |
| 18 | 1.86 | 3.61 | 8.71 | 16.95 | 17.92 | 25.01 | 32.97 | 48.65 | 64.13 | 94.65 | 124.75 | 154.55 | 138.22 | 109.68 | 89.77 | 75.24 | 64.24 | 48.87 | 38.78 | 31.74 | 0.00 | | | | |
| 19 | 1.96 | 3.82 | 9.20 | 17.89 | 18.92 | 26.40 | 34.80 | 51.36 | 67.69 | 99.90 | 131.68 | 163.14 | 149.89 | 118.95 | 97.36 | 81.59 | 69.66 | 53.00 | 42.06 | 34.42 | 0.00 | | | | |
| 20 | 2.06 | 4.02 | 9.68 | 18.83 | 19.91 | 27.79 | 36.63 | 54.06 | 71.25 | 105.16 | 138.61 | 171.73 | 161.88 | 128.46 | 105.15 | 88.12 | 75.24 | 57.23 | 45.42 | 35.82 | 0.00 | | | | |
| 21 | 2.17 | 4.22 | 10.16 | 19.77 | 20.91 | 29.18 | 38.46 | 56.76 | 74.82 | 110.42 | 145.54 | 180.31 | 174.17 | 138.22 | 113.13 | 94.81 | 80.95 | 61.58 | 48.87 | 0.00 | | | | | |
| 22 | 2.27 | 4.42 | 10.65 | 20.71 | 21.90 | 30.57 | 40.29 | 59.47 | 78.38 | 115.68 | 152.47 | 188.90 | 186.76 | 148.21 | 121.30 | 101.66 | 86.80 | 66.03 | 52.40 | 0.00 | | | | | |
| 23 | 2.37 | 4.62 | 11.13 | 21.65 | 22.90 | 31.96 | 42.12 | 62.17 | 81.94 | 120.94 | 159.40 | 197.48 | 199.64 | 158.43 | 129.67 | 108.67 | 92.78 | 70.58 | 56.01 | 0.00 | | | | | |
| 24 | 2.48 | 4.82 | 11.62 | 22.60 | 23.90 | 33.35 | 43.95 | 64.87 | 85.51 | 126.20 | 166.33 | 206.07 | 212.80 | 168.87 | 138.22 | 115.83 | 98.90 | 75.24 | 37.90 | 0.00 | | | | | |
| 25 | 2.58 | 5.02 | 12.10 | 23.54 | 24.89 | 34.74 | 45.79 | 67.57 | 89.07 | 131.45 | 173.27 | 214.66 | 226.24 | 179.53 | 146.94 | 123.15 | 105.15 | 79.99 | 0.00 | | | | | | |
| 26 | 2.68 | 5.22 | 12.58 | 24.48 | 25.89 | 36.13 | 47.62 | 70.28 | 92.63 | 136.71 | 180.20 | 223.24 | 239.95 | 190.41 | 155.85 | 130.61 | 111.52 | 84.83 | 0.00 | | | | | | |
| 28 | 2.89 | 5.62 | 13.55 | 26.36 | 27.88 | 38.91 | 51.28 | 75.68 | 99.76 | 147.23 | 194.06 | 240.42 | 268.16 | 212.80 | 174.17 | 145.97 | 124.63 | 94.81 | 0.00 | | | | | | |
| 30 | 3.10 | 6.02 | 14.52 | 28.24 | 29.87 | 41.68 | 54.94 | 81.09 | 106.88 | 157.74 | 207.92 | 257.59 | 297.40 | 236.00 | 193.16 | 161.88 | 138.22 | 18.64 | 0.00 | | | | | | |
| 32 | 3.30 | 6.43 | 15.49 | 30.13 | 31.86 | 44.46 | 58.61 | 86.50 | 114.01 | 168.26 | 221.78 | 274.76 | 327.63 | 259.99 | 212.80 | 178.34 | 152.27 | 0.00 | | | | | | | |
| 35 | 3.61 | 7.03 | 16.94 | 32.95 | 34.85 | 48.63 | 64.10 | 94.60 | 124.70 | 184.03 | 242.57 | 300.52 | 358.00 | 297.40 | 243.41 | 203.99 | 135.27 | | | | | | | | |
| 40 | 4.13 | 8.03 | 19.36 | 37.66 | 39.83 | 55.58 | 73.26 | 108.12 | 142.51 | 210.33 | 277.22 | 343.45 | 409.15 | 363.35 | 297.40 | 153.78 | 0.00 | | | | | | | | |
| 45 | 4.65 | 9.04 | 21.78 | 42.37 | 44.80 | 62.53 | 82.42 | 121.63 | 160.32 | 236.62 | 311.88 | 386.38 | 460.29 | 433.56 | 221.34 | 0.00 | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

140H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 140H -- 2001

| No. of Teeth | 1.750 inch Pitch | | | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|------|
| | 5 | 10 | 25 | 44 | 50 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2700 |
| 11 | 1.21 | 2.36 | 5.69 | 9.79 | 11.07 | 16.34 | 21.54 | 31.79 | 41.90 | 61.84 | 81.50 | 86.80 | 66.03 | 52.40 | 42.89 | 35.94 | 30.69 | 23.35 | 18.53 | 15.16 | 12.71 | 10.85 | 9.40 | 8.25 | 0.00 |
| 12 | 1.32 | 2.58 | 6.21 | 10.68 | 12.08 | 17.83 | 23.50 | 34.68 | 45.71 | 67.46 | 88.91 | 98.90 | 75.24 | 59.70 | 48.87 | 40.95 | 34.97 | 26.60 | 21.11 | 17.28 | 14.48 | 12.36 | 10.72 | 0.00 | |
| 13 | 1.43 | 2.79 | 6.73 | 11.57 | 13.08 | 19.31 | 25.45 | 37.57 | 49.52 | 73.08 | 96.32 | 111.52 | 84.83 | 67.32 | 55.10 | 46.18 | 39.43 | 29.99 | 23.80 | 19.48 | 16.33 | 13.94 | 0.00 | | |
| 14 | 1.55 | 3.01 | 7.24 | 12.46 | 14.09 | 20.80 | 27.41 | 40.46 | 53.32 | 78.70 | 103.73 | 124.63 | 94.81 | 75.24 | 61.58 | 51.61 | 44.06 | 33.52 | 26.60 | 21.77 | 18.25 | 15.58 | 0.00 | | |
| 15 | 1.66 | 3.22 | 7.76 | 13.35 | 15.10 | 22.28 | 29.37 | 43.35 | 57.13 | 84.32 | 111.14 | 137.69 | 105.15 | 83.44 | 68.29 | 57.23 | 48.87 | 37.17 | 29.50 | 24.15 | 20.24 | 0.00 | | | |
| 16 | 1.77 | 3.44 | 8.28 | 14.24 | 16.10 | 23.77 | 31.33 | 46.24 | 60.94 | 89.94 | 118.55 | 146.87 | 115.83 | 91.92 | 75.24 | 63.05 | 53.83 | 40.95 | 32.50 | 26.60 | 22.29 | 0.00 | | | |
| 17 | 1.88 | 3.65 | 8.80 | 15.13 | 17.11 | 25.25 | 33.29 | 49.13 | 64.75 | 95.56 | 125.96 | 156.05 | 126.86 | 100.67 | 82.40 | 69.05 | 58.96 | 44.85 | 35.59 | 29.13 | 0.00 | | | | |
| 18 | 1.99 | 3.86 | 9.31 | 16.02 | 18.12 | 26.74 | 35.24 | 52.02 | 68.56 | 101.19 | 133.37 | 165.23 | 138.22 | 109.68 | 89.77 | 75.24 | 64.24 | 48.87 | 38.78 | 31.74 | 0.00 | | | | |
| 19 | 2.10 | 4.08 | 9.83 | 16.92 | 19.12 | 28.22 | 37.20 | 54.90 | 72.37 | 106.81 | 140.78 | 174.41 | 149.89 | 118.95 | 97.36 | 81.59 | 69.66 | 53.00 | 42.06 | 33.55 | 0.00 | | | | |
| 20 | 2.21 | 4.29 | 10.35 | 17.81 | 20.13 | 29.71 | 39.16 | 57.79 | 76.18 | 112.43 | 148.19 | 183.59 | 161.88 | 128.46 | 105.15 | 88.12 | 75.24 | 57.23 | 45.42 | 0.00 | | | | | |
| 21 | 2.32 | 4.51 | 10.87 | 18.70 | 21.14 | 31.20 | 41.12 | 60.68 | 79.99 | 118.05 | 155.60 | 192.77 | 174.17 | 138.22 | 113.13 | 94.81 | 80.95 | 61.58 | 48.87 | 0.00 | | | | | |
| 22 | 2.43 | 4.72 | 11.38 | 19.59 | 22.14 | 32.68 | 43.08 | 63.57 | 83.80 | 123.67 | 163.01 | 201.95 | 186.76 | 148.21 | 121.30 | 101.66 | 86.80 | 66.03 | 52.40 | 0.00 | | | | | |
| 23 | 2.54 | 4.94 | 11.90 | 20.48 | 23.15 | 34.17 | 45.03 | 66.46 | 87.60 | 129.29 | 170.42 | 211.13 | 199.64 | 158.43 | 129.67 | 108.67 | 92.78 | 70.58 | 29.48 | 0.00 | | | | | |
| 24 | 2.65 | 5.15 | 12.42 | 21.37 | 24.16 | 35.65 | 46.99 | 69.35 | 91.41 | 134.91 | 177.83 | 220.31 | 212.80 | 168.87 | 138.22 | 115.83 | 98.90 | 75.24 | 0.00 | | | | | | |
| 25 | 2.76 | 5.37 | 12.94 | 22.26 | 25.16 | 37.14 | 48.95 | 72.24 | 95.22 | 140.54 | 185.24 | 229.49 | 226.24 | 179.53 | 146.94 | 123.15 | 105.15 | 79.99 | 0.00 | | | | | | |
| 26 | 2.87 | 5.58 | 13.45 | 23.15 | 26.17 | 38.62 | 50.91 | 75.13 | 99.03 | 146.16 | 192.65 | 238.67 | 239.95 | 190.41 | 155.85 | 130.61 | 111.52 | 84.83 | 0.00 | | | | | | |
| 28 | 3.09 | 6.01 | 14.49 | 24.93 | 28.18 | 41.59 | 54.82 | 80.91 | 106.65 | 157.40 | 207.47 | 257.03 | 268.16 | 212.80 | 174.17 | 145.97 | 124.63 | 41.32 | 0.00 | | | | | | |
| 30 | 3.31 | 6.44 | 15.52 | 26.71 | 30.20 | 44.56 | 58.74 | 86.69 | 114.27 | 168.64 | 222.28 | 275.39 | 297.40 | 236.00 | 193.16 | 161.88 | 138.22 | 0.00 | | | | | | | |
| 32 | 3.53 | 6.87 | 16.56 | 28.49 | 32.21 | 47.54 | 62.66 | 92.47 | 121.88 | 179.89 | 237.10 | 293.74 | 327.63 | 259.99 | 212.80 | 178.34 | 152.27 | 0.00 | | | | | | | |
| 35 | 3.86 | 7.51 | 18.11 | 31.16 | 35.23 | 51.99 | 68.53 | 101.14 | 133.31 | 196.75 | 259.33 | 321.28 | 374.76 | 297.40 | 243.41 | 203.99 | 66.13 | 0.00 | | | | | | | |
| 40 | 4.41 | 8.59 | 20.70 | 35.61 | 40.26 | 59.42 | 78.32 | 115.59 | 152.36 | 224.86 | 296.38 | 367.18 | 437.42 | 363.35 | 264.26 | 74.76 | 0.00 | | | | | | | | |
| 45 | 4.97 | 9.66 | 23.28 | 40.06 | 45.29 | 66.85 | 88.11 | 130.04 | 171.40 | 252.96 | 333.43 | 413.08 | 492.09 | 352.89 | 132.45 | 0.00 | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 160 -- 2001

| No. of Teeth | 2.000 inch Pitch | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|-------|-------|-------|-------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|
| | 5 | 10 | 25 | 47 | 50 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 |
| 11 | 1.65 | 3.20 | 7.72 | 14.16 | 15.02 | 22.17 | 29.23 | 43.14 | 56.86 | 83.91 | 110.60 | 96.58 | 73.47 | 58.31 | 47.72 | 39.99 | 34.15 | 29.60 | 25.98 | 20.61 | 16.87 | 14.14 | 12.07 | 10.46 | 0.00 |
| 12 | 1.80 | 3.50 | 8.43 | 15.45 | 16.39 | 24.19 | 31.88 | 47.06 | 62.03 | 91.54 | 120.66 | 110.05 | 83.72 | 66.44 | 54.38 | 45.57 | 38.91 | 33.73 | 29.60 | 23.49 | 19.22 | 16.11 | 13.76 | 0.00 | |
| 13 | 1.95 | 3.79 | 9.13 | 16.73 | 17.76 | 26.21 | 34.54 | 50.98 | 67.19 | 99.17 | 130.71 | 124.09 | 94.40 | 74.91 | 61.31 | 51.38 | 43.87 | 38.03 | 33.37 | 26.48 | 21.68 | 18.17 | 0.00 | | |
| 14 | 2.10 | 4.08 | 9.83 | 18.02 | 19.12 | 28.22 | 37.20 | 54.90 | 72.36 | 106.80 | 140.77 | 138.68 | 105.50 | 83.72 | 68.52 | 57.43 | 49.03 | 42.50 | 37.30 | 29.60 | 24.23 | 20.30 | 0.00 | | |
| 15 | 2.25 | 4.37 | 10.53 | 19.31 | 20.49 | 30.24 | 39.86 | 58.82 | 77.53 | 114.43 | 150.82 | 153.80 | 117.00 | 92.85 | 75.99 | 63.69 | 54.38 | 47.13 | 41.37 | 32.83 | 26.87 | 0.00 | | | |
| 16 | 2.40 | 4.66 | 11.23 | 20.59 | 21.85 | 32.25 | 42.51 | 62.74 | 82.70 | 122.05 | 160.88 | 169.43 | 128.89 | 102.28 | 83.72 | 70.16 | 59.90 | 51.92 | 45.57 | 36.16 | 29.60 | 0.00 | | | |
| 17 | 2.55 | 4.95 | 11.94 | 21.88 | 23.22 | 34.27 | 45.17 | 66.66 | 87.87 | 129.68 | 170.93 | 185.56 | 141.16 | 112.02 | 91.69 | 76.84 | 65.61 | 56.87 | 49.91 | 39.61 | 24.21 | 0.00 | | | |
| 18 | 2.70 | 5.24 | 12.64 | 23.17 | 24.59 | 36.29 | 47.83 | 70.59 | 93.04 | 137.31 | 180.99 | 202.17 | 153.80 | 122.05 | 99.90 | 83.72 | 71.48 | 61.96 | 54.38 | 43.15 | 0.00 | | | | |
| 19 | 2.85 | 5.54 | 13.34 | 24.45 | 25.95 | 38.30 | 50.48 | 74.51 | 98.21 | 144.94 | 191.04 | 219.25 | 166.79 | 132.36 | 108.33 | 90.79 | 77.52 | 67.19 | 58.97 | 46.80 | 0.00 | | | | |
| 20 | 3.00 | 5.83 | 14.04 | 25.74 | 27.32 | 40.32 | 53.14 | 78.43 | 103.38 | 152.57 | 201.10 | 236.79 | 180.13 | 142.95 | 117.00 | 98.05 | 83.72 | 72.57 | 63.69 | 46.79 | 0.00 | | | | |
| 21 | 3.15 | 6.12 | 14.74 | 27.03 | 28.68 | 42.33 | 55.80 | 82.35 | 108.54 | 160.20 | 211.15 | 254.77 | 193.81 | 153.80 | 125.88 | 105.50 | 90.07 | 78.08 | 68.52 | 0.00 | | | | | |
| 22 | 3.29 | 6.41 | 15.45 | 28.32 | 30.05 | 44.35 | 58.45 | 86.27 | 113.71 | 167.83 | 221.21 | 273.18 | 207.82 | 164.91 | 134.98 | 113.12 | 96.58 | 83.72 | 73.47 | 0.00 | | | | | |
| 23 | 3.44 | 6.70 | 16.15 | 29.60 | 31.42 | 46.36 | 61.11 | 90.19 | 118.88 | 175.45 | 231.26 | 286.51 | 222.15 | 176.29 | 144.29 | 120.92 | 103.24 | 89.49 | 78.54 | 0.00 | | | | | |
| 24 | 3.59 | 6.99 | 16.85 | 30.89 | 32.78 | 48.38 | 63.77 | 94.11 | 124.05 | 183.08 | 241.32 | 298.97 | 236.79 | 187.91 | 153.80 | 128.89 | 110.05 | 95.39 | 83.72 | 0.00 | | | | | |
| 25 | 3.74 | 7.28 | 17.55 | 32.18 | 34.15 | 50.40 | 66.43 | 98.04 | 129.22 | 190.71 | 251.37 | 311.42 | 251.74 | 199.77 | 163.51 | 137.03 | 117.00 | 101.41 | 32.66 | 0.00 | | | | | |
| 26 | 3.89 | 7.57 | 18.26 | 33.46 | 35.51 | 52.41 | 69.08 | 101.96 | 134.39 | 198.34 | 261.43 | 323.88 | 267.00 | 211.88 | 173.42 | 145.33 | 124.09 | 107.56 | 0.00 | | | | | | |
| 28 | 4.19 | 8.16 | 19.66 | 36.04 | 38.24 | 56.44 | 74.40 | 109.80 | 144.73 | 213.60 | 281.54 | 348.79 | 298.39 | 236.79 | 193.81 | 162.42 | 138.68 | 36.88 | 0.00 | | | | | | |
| 30 | 4.49 | 8.74 | 21.06 | 38.61 | 40.98 | 60.48 | 79.71 | 117.64 | 155.06 | 228.85 | 301.65 | 373.71 | 330.92 | 262.61 | 214.94 | 180.13 | 126.46 | 0.00 | | | | | | | |
| 32 | 4.79 | 9.32 | 22.47 | 41.19 | 43.71 | 64.51 | 85.03 | 125.49 | 165.40 | 244.11 | 321.76 | 398.62 | 364.56 | 289.30 | 236.79 | 198.44 | 22.58 | 0.00 | | | | | | | |
| 35 | 5.24 | 10.20 | 24.57 | 45.05 | 47.81 | 70.55 | 93.00 | 137.25 | 180.91 | 266.99 | 351.92 | 435.99 | 417.01 | 330.92 | 270.86 | 112.60 | 0.00 | | | | | | | | |
| 40 | 5.99 | 11.65 | 28.09 | 51.48 | 54.63 | 80.63 | 106.28 | 156.86 | 206.75 | 305.14 | 402.19 | 498.28 | 509.49 | 404.31 | 160.63 | 0.00 | | | | | | | | | |
| 45 | 6.74 | 13.11 | 31.60 | 57.92 | 61.46 | 90.71 | 119.57 | 176.47 | 232.59 | 343.28 | 452.47 | 560.56 | 607.95 | 289.10 | 0.00 | | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

160H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 160H -- 2001

| No. of Teeth | 2.000 inch Pitch | | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | |
|--------------|------------------|------|-------|-------|-------|-------|-------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| | 2 | 5 | 10 | 25 | 40 | 50 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 |
| 11 | 0.73 | 1.75 | 3.40 | 8.19 | 12.86 | 15.94 | 23.52 | 31.00 | 45.75 | 60.31 | 89.00 | 117.32 | 96.58 | 73.47 | 58.31 | 47.72 | 39.99 | 34.15 | 29.60 | 25.98 | 20.61 | 16.87 | 14.14 | 12.07 | 0.00 |
| 12 | 0.79 | 1.91 | 3.71 | 8.94 | 14.03 | 17.39 | 25.66 | 33.82 | 49.91 | 65.79 | 97.10 | 127.98 | 110.05 | 83.72 | 66.44 | 54.38 | 45.57 | 38.91 | 33.73 | 29.60 | 23.49 | 19.22 | 16.11 | 12.02 | 0.00 |
| 13 | 0.86 | 2.07 | 4.02 | 9.68 | 15.20 | 18.83 | 27.80 | 36.64 | 54.07 | 71.27 | 105.19 | 138.65 | 124.09 | 94.40 | 74.91 | 61.31 | 51.38 | 43.87 | 38.03 | 33.37 | 26.48 | 21.68 | 18.17 | 0.00 | 0.00 |
| 14 | 0.92 | 2.22 | 4.33 | 10.43 | 16.37 | 20.28 | 29.93 | 39.46 | 58.23 | 76.75 | 113.28 | 149.31 | 138.68 | 105.50 | 83.72 | 68.52 | 57.43 | 49.03 | 42.50 | 37.30 | 29.60 | 24.23 | 8.08 | 0.00 | 0.00 |
| 15 | 0.99 | 2.38 | 4.64 | 11.17 | 17.54 | 21.73 | 32.07 | 42.27 | 62.39 | 82.24 | 121.37 | 159.98 | 153.80 | 117.00 | 92.85 | 75.99 | 63.69 | 54.38 | 47.13 | 41.37 | 32.83 | 26.87 | 0.00 | 0.00 | 0.00 |
| 16 | 1.05 | 2.54 | 4.94 | 11.92 | 18.71 | 23.18 | 34.21 | 45.09 | 66.55 | 87.72 | 129.46 | 170.64 | 169.43 | 128.89 | 102.28 | 83.72 | 70.16 | 59.90 | 51.92 | 45.57 | 36.16 | 29.60 | 0.00 | 0.00 | 0.00 |
| 17 | 1.12 | 2.70 | 5.25 | 12.66 | 19.88 | 24.63 | 36.35 | 47.91 | 70.71 | 93.20 | 137.55 | 181.31 | 185.56 | 141.16 | 112.02 | 91.69 | 76.84 | 65.61 | 56.87 | 49.91 | 39.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18 | 1.19 | 2.86 | 5.56 | 13.41 | 21.05 | 26.08 | 38.49 | 50.73 | 74.87 | 98.68 | 145.64 | 191.97 | 202.17 | 153.80 | 122.05 | 99.90 | 83.72 | 71.48 | 61.96 | 54.38 | 43.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19 | 1.25 | 3.02 | 5.87 | 14.15 | 22.22 | 27.53 | 40.63 | 53.55 | 79.03 | 104.17 | 153.74 | 202.64 | 219.25 | 166.79 | 132.36 | 108.33 | 90.79 | 77.52 | 67.19 | 58.97 | 43.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 1.32 | 3.18 | 6.18 | 14.89 | 23.39 | 28.98 | 42.76 | 56.37 | 83.19 | 109.65 | 161.83 | 213.30 | 236.79 | 180.13 | 142.95 | 117.00 | 98.05 | 83.72 | 72.57 | 63.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 1.38 | 3.34 | 6.49 | 15.64 | 24.56 | 30.42 | 44.90 | 59.18 | 87.35 | 115.13 | 169.92 | 223.97 | 254.77 | 193.81 | 153.80 | 125.88 | 105.50 | 90.07 | 78.08 | 68.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 1.45 | 3.49 | 6.80 | 16.38 | 25.73 | 31.87 | 47.04 | 62.00 | 91.51 | 120.61 | 178.01 | 234.63 | 273.18 | 207.82 | 164.91 | 134.98 | 113.12 | 96.58 | 83.72 | 73.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 1.52 | 3.65 | 7.11 | 17.13 | 26.90 | 33.32 | 49.18 | 64.82 | 95.67 | 126.10 | 186.10 | 245.30 | 292.02 | 222.15 | 176.29 | 144.29 | 120.92 | 103.24 | 89.49 | 68.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 1.58 | 3.81 | 7.42 | 17.87 | 28.07 | 34.77 | 51.32 | 67.64 | 99.83 | 131.58 | 194.19 | 255.96 | 311.27 | 236.79 | 187.91 | 153.80 | 128.89 | 110.05 | 95.39 | 21.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 1.65 | 3.97 | 7.73 | 18.62 | 29.23 | 36.22 | 53.45 | 70.46 | 103.99 | 137.06 | 202.28 | 266.63 | 330.32 | 251.74 | 199.77 | 163.51 | 137.03 | 117.00 | 101.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 1.71 | 4.13 | 8.03 | 19.36 | 30.40 | 37.67 | 55.59 | 73.28 | 108.14 | 142.54 | 210.37 | 277.29 | 343.53 | 267.00 | 211.88 | 173.42 | 145.33 | 124.09 | 67.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | 1.85 | 4.45 | 8.65 | 20.85 | 32.74 | 40.57 | 59.87 | 78.91 | 116.46 | 153.51 | 226.56 | 298.62 | 369.96 | 298.39 | 236.79 | 193.81 | 162.42 | 135.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | 1.98 | 4.77 | 9.27 | 22.34 | 35.08 | 43.46 | 64.15 | 84.55 | 124.78 | 164.47 | 242.74 | 319.95 | 396.38 | 330.92 | 262.61 | 214.94 | 180.13 | 49.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 32 | 2.11 | 5.08 | 9.89 | 23.83 | 37.42 | 46.36 | 68.42 | 90.18 | 133.10 | 175.44 | 258.92 | 341.28 | 422.81 | 364.56 | 289.30 | 236.79 | 157.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | 2.31 | 5.56 | 10.82 | 26.07 | 40.93 | 50.71 | 74.84 | 98.64 | 145.58 | 191.88 | 283.20 | 373.28 | 462.45 | 417.01 | 330.92 | 270.86 | 22.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40 | 2.64 | 6.35 | 12.36 | 29.79 | 46.78 | 57.95 | 85.53 | 112.73 | 166.38 | 219.30 | 323.65 | 426.60 | 528.51 | 509.49 | 345.15 | 57.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45 | 2.97 | 7.15 | 13.91 | 33.51 | 52.62 | 65.19 | 96.22 | 126.82 | 187.17 | 246.71 | 364.11 | 479.93 | 594.58 | 495.96 | 173.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

180 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 180 -- 2001

| No. of Teeth | 2.250 inch Pitch | | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| | 2 | 5 | 10 | 25 | 43 | 50 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 |
| 11 | 0.94 | 2.27 | 4.43 | 10.66 | 17.95 | 20.75 | 30.62 | 40.36 | 59.56 | 78.51 | 115.87 | 148.32 | 106.13 | 80.73 | 64.07 | 52.44 | 43.95 | 37.52 | 32.52 | 28.54 | 22.65 | 18.54 | 15.54 | 0.00 |
| 12 | 1.03 | 2.48 | 4.83 | 11.63 | 19.58 | 22.63 | 33.40 | 44.03 | 64.98 | 85.64 | 126.40 | 166.61 | 120.92 | 91.99 | 73.00 | 59.75 | 50.07 | 42.75 | 37.06 | 32.52 | 25.81 | 21.12 | 17.70 | 0.00 |
| 13 | 1.12 | 2.69 | 5.23 | 12.60 | 21.21 | 24.52 | 36.19 | 47.70 | 70.39 | 92.78 | 136.93 | 180.49 | 136.35 | 103.72 | 82.31 | 67.37 | 56.46 | 48.21 | 41.79 | 36.67 | 29.10 | 23.82 | 0.00 | |
| 14 | 1.20 | 2.90 | 5.63 | 13.57 | 22.84 | 26.40 | 38.97 | 51.36 | 75.81 | 99.92 | 147.47 | 194.37 | 152.38 | 115.92 | 91.99 | 75.29 | 63.10 | 53.87 | 46.70 | 40.98 | 32.52 | 26.62 | 0.00 | |
| 15 | 1.29 | 3.10 | 6.03 | 14.54 | 24.48 | 28.29 | 41.75 | 55.03 | 81.22 | 107.06 | 158.00 | 208.26 | 169.00 | 128.56 | 102.02 | 83.50 | 69.98 | 59.75 | 51.79 | 45.45 | 36.07 | 0.00 | | |
| 16 | 1.37 | 3.31 | 6.44 | 15.51 | 26.11 | 30.18 | 44.54 | 58.70 | 86.64 | 114.19 | 168.53 | 222.14 | 186.17 | 141.63 | 112.39 | 91.99 | 77.09 | 65.82 | 57.05 | 50.07 | 39.74 | 0.00 | | |
| 17 | 1.46 | 3.52 | 6.84 | 16.48 | 27.74 | 32.06 | 47.32 | 62.37 | 92.05 | 121.33 | 179.07 | 236.02 | 203.90 | 155.11 | 123.09 | 100.75 | 84.43 | 72.09 | 62.49 | 54.84 | 43.52 | 0.00 | | |
| 18 | 1.54 | 3.72 | 7.24 | 17.45 | 29.37 | 33.95 | 50.10 | 66.04 | 97.47 | 128.47 | 189.60 | 249.91 | 222.15 | 169.00 | 134.11 | 109.77 | 91.99 | 78.54 | 68.08 | 59.75 | 0.00 | | | |
| 19 | 1.63 | 3.93 | 7.64 | 18.42 | 31.00 | 35.83 | 52.89 | 69.71 | 102.88 | 135.60 | 200.13 | 263.79 | 240.92 | 183.27 | 145.44 | 119.04 | 99.76 | 85.18 | 73.83 | 64.80 | 0.00 | | | |
| 20 | 1.72 | 4.14 | 8.05 | 19.39 | 32.64 | 37.72 | 55.67 | 73.38 | 108.30 | 142.74 | 210.67 | 277.68 | 260.19 | 197.93 | 157.07 | 128.56 | 107.74 | 91.99 | 79.74 | 69.98 | 0.00 | | | |
| 21 | 1.80 | 4.34 | 8.45 | 20.36 | 34.27 | 39.61 | 58.45 | 77.05 | 113.71 | 149.88 | 221.20 | 291.56 | 279.94 | 212.96 | 169.00 | 138.32 | 115.92 | 98.97 | 85.79 | 75.29 | 0.00 | | | |
| 22 | 1.89 | 4.55 | 8.85 | 21.33 | 35.90 | 41.49 | 61.24 | 80.71 | 119.12 | 157.02 | 231.73 | 305.44 | 300.17 | 228.35 | 181.21 | 148.32 | 124.30 | 106.13 | 91.99 | 0.00 | | | | |
| 23 | 1.97 | 4.76 | 9.25 | 22.30 | 37.53 | 43.38 | 64.02 | 84.38 | 124.54 | 164.15 | 242.27 | 319.33 | 320.87 | 244.10 | 193.70 | 158.54 | 132.87 | 113.45 | 98.33 | 0.00 | | | | |
| 24 | 2.06 | 4.96 | 9.65 | 23.27 | 39.16 | 45.26 | 66.80 | 88.05 | 129.95 | 171.29 | 252.80 | 333.21 | 342.02 | 260.19 | 206.47 | 169.00 | 141.63 | 120.92 | 40.34 | 0.00 | | | | |
| 25 | 2.15 | 5.17 | 10.06 | 24.24 | 40.79 | 47.15 | 69.59 | 91.72 | 135.37 | 178.43 | 263.33 | 347.10 | 363.62 | 276.62 | 219.51 | 179.67 | 150.57 | 128.56 | 0.00 | | | | | |
| 26 | 2.23 | 5.38 | 10.46 | 25.21 | 42.43 | 49.04 | 72.37 | 95.39 | 140.78 | 185.56 | 273.87 | 360.98 | 385.66 | 293.38 | 232.81 | 190.55 | 159.69 | 122.43 | 0.00 | | | | | |
| 28 | 2.40 | 5.79 | 11.26 | 27.15 | 45.69 | 52.81 | 77.94 | 102.73 | 151.61 | 199.84 | 294.93 | 388.75 | 431.00 | 327.87 | 260.19 | 212.96 | 178.47 | 0.00 | | | | | | |
| 30 | 2.57 | 6.20 | 12.07 | 29.09 | 48.95 | 56.58 | 83.50 | 110.07 | 162.44 | 214.11 | 316.00 | 416.51 | 477.99 | 363.62 | 288.56 | 236.18 | 128.92 | 0.00 | | | | | | |
| 32 | 2.75 | 6.62 | 12.87 | 31.02 | 52.22 | 60.35 | 89.07 | 117.40 | 173.27 | 228.39 | 337.07 | 444.28 | 526.58 | 400.58 | 317.89 | 260.19 | 0.00 | | | | | | | |
| 35 | 3.00 | 7.24 | 14.08 | 33.93 | 57.11 | 66.01 | 97.42 | 128.41 | 189.52 | 249.80 | 368.67 | 485.93 | 602.34 | 458.22 | 363.62 | 142.51 | 0.00 | | | | | | | |
| 40 | 3.43 | 8.27 | 16.09 | 38.78 | 65.27 | 75.44 | 111.34 | 146.75 | 216.59 | 285.48 | 421.34 | 555.35 | 688.02 | 559.83 | 254.20 | 0.00 | | | | | | | | |
| 45 | 3.86 | 9.31 | 18.10 | 43.63 | 73.43 | 84.87 | 125.26 | 165.10 | 243.66 | 321.17 | 474.00 | 624.77 | 774.03 | 480.00 | 0.00 | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

180H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 180H -- 2001

| No. of Teeth | 2.250 inch Pitch | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| | 2 | 5 | 10 | 25 | 37 | 50 | 75 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 |
| 11 | 0.99 | 2.40 | 4.66 | 11.24 | 16.38 | 21.87 | 32.27 | 42.54 | 62.78 | 82.75 | 122.13 | 148.32 | 106.13 | 80.73 | 64.07 | 52.44 | 43.95 | 37.52 | 32.52 | 28.54 | 22.65 | 18.54 | 15.54 | 0.00 |
| 12 | 1.09 | 2.62 | 5.09 | 12.26 | 17.87 | 23.86 | 35.21 | 46.41 | 68.49 | 90.28 | 133.24 | 169.00 | 120.92 | 91.99 | 73.00 | 59.75 | 50.07 | 42.75 | 37.06 | 32.52 | 25.81 | 21.12 | 2.40 | 0.00 |
| 13 | 1.18 | 2.83 | 5.51 | 13.29 | 19.36 | 25.84 | 38.14 | 50.28 | 74.20 | 97.80 | 144.34 | 190.25 | 136.35 | 103.72 | 82.31 | 67.37 | 56.46 | 48.21 | 41.79 | 36.67 | 29.10 | 23.82 | 0.00 | |
| 14 | 1.27 | 3.05 | 5.94 | 14.31 | 20.85 | 27.83 | 41.08 | 54.14 | 79.91 | 105.32 | 155.44 | 204.89 | 152.38 | 115.92 | 91.99 | 75.29 | 63.10 | 53.87 | 46.70 | 40.98 | 32.52 | 10.23 | 0.00 | |
| 15 | 1.36 | 3.27 | 6.36 | 15.33 | 22.33 | 29.82 | 44.01 | 58.01 | 85.61 | 112.85 | 166.55 | 219.52 | 169.00 | 128.56 | 102.02 | 83.50 | 69.98 | 59.75 | 51.79 | 45.45 | 36.07 | 0.00 | | |
| 16 | 1.45 | 3.49 | 6.78 | 16.35 | 23.82 | 31.81 | 46.94 | 61.88 | 91.32 | 120.37 | 177.65 | 234.16 | 186.17 | 141.63 | 112.39 | 91.99 | 77.09 | 65.82 | 57.05 | 50.07 | 39.74 | 0.00 | | |
| 17 | 1.54 | 3.71 | 7.21 | 17.37 | 25.31 | 33.80 | 49.88 | 65.74 | 97.03 | 127.89 | 188.75 | 248.79 | 203.90 | 155.11 | 123.09 | 100.75 | 84.43 | 72.09 | 62.49 | 54.84 | 0.00 | | | |
| 18 | 1.63 | 3.92 | 7.63 | 18.40 | 26.80 | 35.78 | 52.81 | 69.61 | 102.74 | 135.42 | 199.86 | 263.43 | 222.15 | 169.00 | 134.11 | 109.77 | 91.99 | 78.54 | 68.08 | 59.75 | 0.00 | | | |
| 19 | 1.72 | 4.14 | 8.06 | 19.42 | 28.29 | 37.77 | 55.75 | 73.48 | 108.45 | 142.94 | 210.96 | 278.06 | 240.92 | 183.27 | 145.44 | 119.04 | 99.76 | 85.18 | 73.83 | 64.80 | 0.00 | | | |
| 20 | 1.81 | 4.36 | 8.48 | 20.44 | 29.78 | 39.76 | 58.68 | 77.35 | 114.15 | 150.46 | 222.06 | 292.70 | 260.19 | 197.93 | 157.07 | 128.56 | 107.74 | 91.99 | 79.74 | 55.31 | 0.00 | | | |
| 21 | 1.90 | 4.58 | 8.90 | 21.46 | 31.27 | 41.75 | 61.62 | 81.21 | 119.86 | 157.99 | 233.17 | 307.33 | 279.94 | 212.96 | 169.00 | 138.32 | 115.92 | 98.97 | 85.79 | 0.00 | | | | |
| 22 | 1.99 | 4.80 | 9.33 | 22.48 | 32.76 | 43.74 | 64.55 | 85.08 | 125.57 | 165.51 | 244.27 | 321.97 | 300.17 | 228.35 | 181.21 | 148.32 | 124.30 | 106.13 | 87.35 | 0.00 | | | | |
| 23 | 2.08 | 5.01 | 9.75 | 23.50 | 34.25 | 45.72 | 67.48 | 88.95 | 131.28 | 173.03 | 255.37 | 336.60 | 320.87 | 244.10 | 193.70 | 158.54 | 132.87 | 113.45 | 29.32 | 0.00 | | | | |
| 24 | 2.17 | 5.23 | 10.18 | 24.53 | 35.74 | 47.71 | 70.42 | 92.82 | 136.98 | 180.56 | 266.48 | 351.24 | 342.02 | 260.19 | 206.47 | 169.00 | 141.63 | 120.92 | 0.00 | | | | | |
| 25 | 2.26 | 5.45 | 10.60 | 25.55 | 37.22 | 49.70 | 73.35 | 96.68 | 142.69 | 188.08 | 277.58 | 365.87 | 363.62 | 276.62 | 219.51 | 179.67 | 150.57 | 96.16 | 0.00 | | | | | |
| 26 | 2.35 | 5.67 | 11.03 | 26.57 | 38.71 | 51.69 | 76.29 | 100.55 | 148.40 | 195.60 | 288.68 | 380.51 | 385.66 | 293.38 | 232.81 | 190.55 | 159.69 | 37.53 | 0.00 | | | | | |
| 28 | 2.53 | 6.10 | 11.87 | 28.61 | 41.69 | 55.66 | 82.15 | 108.28 | 159.81 | 210.65 | 310.89 | 409.77 | 431.00 | 327.87 | 260.19 | 212.96 | 146.32 | 0.00 | | | | | | |
| 30 | 2.71 | 6.54 | 12.72 | 30.66 | 44.67 | 59.64 | 88.02 | 116.02 | 171.23 | 225.69 | 333.09 | 439.04 | 477.99 | 363.62 | 288.56 | 236.18 | 30.96 | 0.00 | | | | | | |
| 32 | 2.89 | 6.98 | 13.57 | 32.70 | 47.65 | 63.62 | 93.89 | 123.75 | 182.64 | 240.74 | 355.30 | 468.31 | 526.58 | 400.58 | 317.89 | 199.60 | 0.00 | | | | | | | |
| 35 | 3.17 | 7.63 | 14.84 | 35.77 | 52.11 | 69.58 | 102.69 | 135.36 | 199.77 | 263.31 | 388.61 | 512.22 | 602.34 | 458.22 | 363.62 | 28.22 | 0.00 | | | | | | | |
| 40 | 3.62 | 8.72 | 16.96 | 40.88 | 59.56 | 79.52 | 117.36 | 154.69 | 228.31 | 300.93 | 444.13 | 585.39 | 725.24 | 559.83 | 123.60 | 0.00 | | | | | | | | |
| 45 | 4.07 | 9.81 | 19.08 | 45.99 | 67.00 | 89.46 | 132.03 | 174.03 | 256.84 | 338.54 | 499.64 | 658.57 | 750.00 | 333.00 | 0.00 | | | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

200 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 200 -- 2001

| No. of Teeth | 2.500 inch Pitch | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| | 2 | 5 | 10 | 25 | 40 | 50 | 75 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 |
| 11 | 1.25 | 3.02 | 5.88 | 14.16 | 22.23 | 27.54 | 40.65 | 53.58 | 79.08 | 104.24 | 129.14 | 153.84 | 161.36 | 115.46 | 87.83 | 69.70 | 57.05 | 47.81 | 40.82 | 35.38 | 31.05 | 24.64 | 20.17 | 0.00 |
| 12 | 1.37 | 3.29 | 6.41 | 15.45 | 24.25 | 30.05 | 44.35 | 58.45 | 86.27 | 113.71 | 140.88 | 167.82 | 183.86 | 131.56 | 100.08 | 79.42 | 65.00 | 54.48 | 46.51 | 40.32 | 35.38 | 28.08 | 22.98 | 0.00 |
| 13 | 1.48 | 3.57 | 6.94 | 16.73 | 26.28 | 32.55 | 48.04 | 63.33 | 93.46 | 123.19 | 152.62 | 181.81 | 207.31 | 148.34 | 112.85 | 89.55 | 73.30 | 61.43 | 52.45 | 45.46 | 39.90 | 31.66 | 0.00 | |
| 14 | 1.59 | 3.84 | 7.48 | 18.02 | 28.30 | 35.06 | 51.74 | 68.20 | 100.65 | 132.66 | 164.36 | 195.79 | 231.69 | 165.78 | 126.11 | 100.08 | 81.91 | 68.65 | 58.61 | 50.80 | 44.59 | 35.38 | 0.00 | |
| 15 | 1.71 | 4.12 | 8.01 | 19.31 | 30.32 | 37.56 | 55.43 | 73.07 | 107.84 | 142.14 | 176.09 | 209.78 | 256.95 | 183.86 | 139.87 | 110.99 | 90.85 | 76.13 | 65.00 | 56.34 | 49.45 | 37.46 | 0.00 | |
| 16 | 1.82 | 4.39 | 8.55 | 20.60 | 32.34 | 40.06 | 59.13 | 77.94 | 115.03 | 151.61 | 187.83 | 223.76 | 283.07 | 202.55 | 154.08 | 122.27 | 100.08 | 83.87 | 71.61 | 62.07 | 54.48 | 0.00 | | |
| 17 | 1.94 | 4.67 | 9.08 | 21.88 | 34.36 | 42.57 | 62.83 | 82.81 | 122.22 | 161.09 | 199.57 | 237.75 | 310.02 | 221.83 | 168.75 | 133.91 | 109.61 | 91.86 | 78.43 | 67.98 | 59.66 | 0.00 | | |
| 18 | 2.05 | 4.94 | 9.61 | 23.17 | 36.38 | 45.07 | 66.52 | 87.68 | 129.41 | 170.57 | 211.31 | 251.73 | 331.81 | 241.69 | 183.86 | 145.90 | 119.42 | 100.08 | 85.45 | 74.07 | 65.00 | | | |
| 19 | 2.16 | 5.22 | 10.15 | 24.46 | 38.40 | 47.58 | 70.22 | 92.55 | 136.59 | 180.04 | 223.05 | 265.72 | 350.24 | 262.11 | 199.39 | 158.23 | 129.51 | 108.53 | 92.67 | 80.32 | 2.22 | | | |
| 20 | 2.28 | 5.49 | 10.68 | 25.74 | 40.42 | 50.08 | 73.91 | 97.42 | 143.78 | 189.52 | 234.79 | 279.70 | 368.67 | 283.07 | 215.34 | 170.88 | 139.87 | 117.21 | 100.08 | 86.75 | 0.00 | | | |
| 21 | 2.39 | 5.77 | 11.22 | 27.03 | 42.45 | 52.59 | 77.61 | 102.29 | 150.97 | 198.99 | 246.53 | 293.69 | 387.11 | 304.56 | 231.69 | 183.86 | 150.49 | 126.11 | 107.68 | 32.68 | 0.00 | | | |
| 22 | 2.51 | 6.04 | 11.75 | 28.32 | 44.47 | 55.09 | 81.30 | 107.17 | 158.16 | 208.47 | 258.27 | 307.68 | 405.54 | 326.57 | 248.43 | 197.15 | 161.36 | 135.23 | 115.46 | 0.00 | | | | |
| 23 | 2.62 | 6.31 | 12.28 | 29.61 | 46.49 | 57.59 | 85.00 | 112.04 | 165.35 | 217.95 | 270.01 | 321.66 | 423.97 | 349.09 | 265.56 | 210.74 | 172.49 | 144.55 | 104.48 | 0.00 | | | | |
| 24 | 2.73 | 6.59 | 12.82 | 30.89 | 48.51 | 60.10 | 88.70 | 116.91 | 172.54 | 227.42 | 281.75 | 335.65 | 442.41 | 372.10 | 283.07 | 224.63 | 183.86 | 154.08 | 21.71 | 0.00 | | | | |
| 25 | 2.85 | 6.86 | 13.35 | 32.18 | 50.53 | 62.60 | 92.39 | 121.78 | 179.73 | 236.90 | 293.49 | 349.63 | 460.84 | 395.60 | 300.94 | 238.82 | 195.47 | 163.81 | 0.00 | | | | | |
| 26 | 2.96 | 7.14 | 13.89 | 33.47 | 52.55 | 65.11 | 96.09 | 126.65 | 186.92 | 246.37 | 305.23 | 363.62 | 479.27 | 419.57 | 319.18 | 253.29 | 207.31 | 151.14 | 0.00 | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

200H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 200H -- 2001

| No. of Teeth | 2.500 inch Pitch | | | | | | | | | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|
| | 2 | 5 | 10 | 25 | 33 | 50 | 75 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 |
| 11 | 1.37 | 3.31 | 6.44 | 15.51 | 20.25 | 30.17 | 44.53 | 58.70 | 86.63 | 114.18 | 141.46 | 168.52 | 161.36 | 115.46 | 87.83 | 69.70 | 57.05 | 47.81 | 40.82 | 35.38 | 31.05 | 24.64 | 20.17 | 0.00 |
| 12 | 1.50 | 3.61 | 7.02 | 16.92 | 22.09 | 32.92 | 48.58 | 64.03 | 94.51 | 124.57 | 154.32 | 183.84 | 183.86 | 131.56 | 100.08 | 79.42 | 65.00 | 54.48 | 46.51 | 40.32 | 35.38 | 28.08 | 18.78 | 0.00 |
| 13 | 1.62 | 3.91 | 7.61 | 18.33 | 23.93 | 35.66 | 52.63 | 69.37 | 102.38 | 134.95 | 167.18 | 199.16 | 207.31 | 148.34 | 112.85 | 89.55 | 73.30 | 61.43 | 52.45 | 45.46 | 39.90 | 31.66 | 0.00 | 0.00 |
| 14 | 1.75 | 4.21 | 8.19 | 19.74 | 25.77 | 38.40 | 56.68 | 74.71 | 110.26 | 145.33 | 180.04 | 214.48 | 231.69 | 165.78 | 126.11 | 100.08 | 81.91 | 68.65 | 58.61 | 50.80 | 44.59 | 35.38 | 0.00 | 0.00 |
| 15 | 1.87 | 4.51 | 8.78 | 21.15 | 27.61 | 41.15 | 60.73 | 80.04 | 118.13 | 155.71 | 192.90 | 229.80 | 256.95 | 183.86 | 139.87 | 110.99 | 90.85 | 76.13 | 65.00 | 56.34 | 49.45 | 0.00 | 0.00 | 0.00 |
| 16 | 2.00 | 4.81 | 9.36 | 22.56 | 29.45 | 43.89 | 64.77 | 85.38 | 126.01 | 166.09 | 205.76 | 245.12 | 283.07 | 202.55 | 154.08 | 122.27 | 100.08 | 83.87 | 71.61 | 62.07 | 54.48 | 0.00 | 0.00 | 0.00 |
| 17 | 2.12 | 5.11 | 9.95 | 23.97 | 31.29 | 46.63 | 68.82 | 90.71 | 133.88 | 176.47 | 218.62 | 260.44 | 310.02 | 221.83 | 168.75 | 133.91 | 109.61 | 91.86 | 78.43 | 67.98 | 59.66 | 0.00 | 0.00 | 0.00 |
| 18 | 2.25 | 5.41 | 10.53 | 25.38 | 33.13 | 49.38 | 72.87 | 96.05 | 141.76 | 186.85 | 231.48 | 275.76 | 337.77 | 241.69 | 183.86 | 145.90 | 119.42 | 100.08 | 85.45 | 74.07 | 11.75 | 0.00 | 0.00 | 0.00 |
| 19 | 2.37 | 5.71 | 11.12 | 26.79 | 34.97 | 52.12 | 76.92 | 101.39 | 149.63 | 197.23 | 244.35 | 291.08 | 366.30 | 262.11 | 199.39 | 158.23 | 129.51 | 108.53 | 92.67 | 80.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 2.50 | 6.02 | 11.70 | 28.20 | 36.82 | 54.86 | 80.97 | 106.72 | 157.51 | 207.61 | 257.21 | 306.40 | 395.60 | 283.07 | 215.34 | 170.88 | 139.87 | 117.21 | 100.08 | 31.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 21 | 2.62 | 6.32 | 12.29 | 29.61 | 38.66 | 57.60 | 85.02 | 112.06 | 165.38 | 217.99 | 270.07 | 321.72 | 425.64 | 304.56 | 231.69 | 183.86 | 150.49 | 126.11 | 107.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | 2.75 | 6.62 | 12.87 | 31.02 | 40.50 | 60.35 | 89.07 | 117.40 | 173.26 | 228.37 | 282.93 | 337.04 | 456.40 | 326.57 | 248.43 | 197.15 | 161.36 | 135.23 | 86.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | 2.87 | 6.92 | 13.46 | 32.43 | 42.34 | 63.09 | 93.11 | 122.73 | 181.14 | 238.75 | 295.79 | 352.36 | 464.44 | 349.09 | 265.56 | 210.74 | 172.49 | 144.55 | 11.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 24 | 3.00 | 7.22 | 14.04 | 33.84 | 44.18 | 65.83 | 97.16 | 128.07 | 189.01 | 249.13 | 308.65 | 367.68 | 484.64 | 372.10 | 283.07 | 224.63 | 183.86 | 154.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25 | 3.12 | 7.52 | 14.63 | 35.25 | 46.02 | 68.58 | 101.21 | 133.40 | 196.89 | 259.51 | 321.51 | 383.00 | 504.83 | 395.60 | 300.94 | 238.82 | 195.47 | 118.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 26 | 3.24 | 7.82 | 15.21 | 36.66 | 47.86 | 71.32 | 105.26 | 138.74 | 204.76 | 269.89 | 334.37 | 398.32 | 525.02 | 419.57 | 319.18 | 253.29 | 207.31 | 46.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

240 HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 240 -- 2001

| No. of Teeth | 3.000 inch Pitch | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|-------|-------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| | 2 | 5 | 10 | 25 | 36 | 50 | 75 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |
| 11 | 2.02 | 4.86 | 9.46 | 22.81 | 32.36 | 44.36 | 65.47 | 86.30 | 127.37 | 167.88 | 207.99 | 247.77 | 186.70 | 133.59 | 101.63 | 80.65 | 66.01 | 55.32 | 47.23 | 40.94 | 35.93 | 31.87 | 28.51 | 0.00 |
| 12 | 2.20 | 5.31 | 10.32 | 24.88 | 35.31 | 48.40 | 71.43 | 94.15 | 138.95 | 183.14 | 226.89 | 270.30 | 212.73 | 152.22 | 115.80 | 91.89 | 75.21 | 63.03 | 53.82 | 46.65 | 40.94 | 36.31 | 2.11 | 0.00 |
| 13 | 2.39 | 5.75 | 11.18 | 26.95 | 38.25 | 52.43 | 77.38 | 101.99 | 150.53 | 198.41 | 245.80 | 292.82 | 239.87 | 171.64 | 130.57 | 103.61 | 84.81 | 71.07 | 60.68 | 52.60 | 46.16 | 38.13 | 0.00 | |
| 14 | 2.57 | 6.19 | 12.04 | 29.02 | 41.19 | 56.46 | 83.33 | 109.84 | 162.11 | 213.67 | 264.71 | 315.34 | 268.07 | 191.82 | 145.92 | 115.80 | 94.78 | 79.43 | 67.82 | 58.78 | 51.59 | 0.00 | | |
| 15 | 2.75 | 6.63 | 12.90 | 31.10 | 44.13 | 60.50 | 89.28 | 117.68 | 173.68 | 228.93 | 283.62 | 337.87 | 297.30 | 212.73 | 161.83 | 128.42 | 105.11 | 88.09 | 75.21 | 65.19 | 0.00 | | | |
| 16 | 2.94 | 7.08 | 13.76 | 33.17 | 47.08 | 64.53 | 95.24 | 125.53 | 185.26 | 244.19 | 302.53 | 360.39 | 327.52 | 234.35 | 178.28 | 141.47 | 115.80 | 97.04 | 82.86 | 71.82 | 0.00 | | | |
| 17 | 3.12 | 7.52 | 14.62 | 35.24 | 50.02 | 68.56 | 101.19 | 133.37 | 196.84 | 259.45 | 321.43 | 382.92 | 358.70 | 256.66 | 195.25 | 154.94 | 126.82 | 106.28 | 90.74 | 0.00 | | | | |
| 18 | 3.30 | 7.96 | 15.48 | 37.32 | 52.96 | 72.59 | 107.14 | 141.22 | 208.42 | 274.71 | 340.34 | 405.44 | 390.81 | 279.64 | 212.73 | 168.81 | 138.17 | 115.80 | 98.87 | 0.00 | | | | |
| 19 | 3.49 | 8.40 | 16.34 | 39.39 | 55.90 | 76.63 | 113.09 | 149.06 | 220.00 | 289.98 | 359.25 | 427.97 | 423.82 | 303.26 | 230.70 | 183.08 | 149.84 | 125.58 | 3.20 | 0.00 | | | | |
| 20 | 3.67 | 8.84 | 17.20 | 41.46 | 58.84 | 80.66 | 119.04 | 156.91 | 231.58 | 305.24 | 378.16 | 450.49 | 457.72 | 327.52 | 249.15 | 197.72 | 161.83 | 135.62 | 0.00 | | | | | |
| 21 | 3.85 | 9.29 | 18.07 | 43.54 | 61.79 | 84.69 | 125.00 | 164.76 | 243.16 | 320.50 | 397.07 | 473.02 | 492.48 | 352.39 | 268.07 | 212.73 | 174.12 | 109.86 | 0.00 | | | | | |
| 22 | 4.04 | 9.73 | 18.93 | 45.61 | 64.73 | 88.73 | 130.95 | 172.60 | 254.74 | 335.76 | 415.97 | 495.54 | 528.07 | 377.85 | 287.44 | 228.10 | 186.70 | 0.00 | | | | | | |
| 23 | 4.22 | 10.17 | 19.79 | 47.68 | 67.67 | 92.76 | 136.90 | 180.45 | 266.32 | 351.02 | 434.88 | 518.07 | 564.48 | 403.91 | 307.26 | 243.83 | 199.57 | 0.00 | | | | | | |
| 24 | 4.40 | 10.61 | 20.65 | 49.76 | 70.61 | 96.79 | 142.85 | 188.29 | 277.89 | 366.29 | 453.79 | 540.59 | 601.69 | 430.53 | 327.52 | 259.91 | 188.30 | 0.00 | | | | | | |
| 25 | 4.59 | 11.06 | 21.51 | 51.83 | 73.55 | 100.83 | 148.81 | 196.14 | 289.47 | 381.55 | 472.70 | 563.12 | 639.68 | 457.72 | 348.20 | 276.32 | 73.47 | 0.00 | | | | | | |
| 26 | 4.77 | 11.50 | 22.37 | 53.90 | 76.50 | 104.86 | 154.76 | 203.98 | 301.05 | 396.81 | 491.61 | 585.64 | 678.45 | 485.46 | 369.30 | 293.06 | 0.00 | | | | | | | |

Type A
 Type A: Manual or Drip Lubrication
 Type B: Bath or Disc Lubrication
 Type C: Oil Stream Lubrication

240H HORSEPOWER RATINGS -- SINGLE STRAND ROLLER CHAIN NO. 240H -- 2001

| No. of Teeth | 3.000 inch Pitch | | | | Speed, min ⁻¹ , Small Sprocket | | | | | | | | | | | | | | | | | | | |
|-----------------|------------------|-------|-------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| | 2 | 5 | 10 | 25 | 27 | 50 | 75 | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |
| 11 | 2.33 | 5.62 | 10.93 | 26.33 | 28.35 | 51.23 | 75.60 | 99.65 | 147.07 | 193.85 | 240.16 | 286.10 | 186.70 | 133.59 | 101.63 | 80.65 | 66.01 | 55.32 | 47.23 | 40.94 | 35.93 | 31.87 | 28.51 | 0.00 |
| 12 | 2.54 | 6.13 | 11.92 | 28.73 | 30.93 | 55.88 | 82.48 | 108.71 | 160.44 | 211.48 | 262.00 | 312.11 | 212.73 | 152.22 | 115.80 | 91.89 | 75.21 | 63.03 | 53.82 | 46.65 | 40.94 | 36.31 | 0.00 | |
| 13 | 2.75 | 6.64 | 12.91 | 31.12 | 33.51 | 60.54 | 89.35 | 117.77 | 173.81 | 229.10 | 283.83 | 338.12 | 239.87 | 171.64 | 130.57 | 103.61 | 84.81 | 71.07 | 60.68 | 52.60 | 46.16 | 0.00 | | |
| 14 | 2.97 | 7.15 | 13.91 | 33.52 | 36.09 | 65.20 | 96.22 | 126.83 | 187.18 | 246.72 | 305.66 | 364.13 | 268.07 | 191.82 | 145.92 | 115.80 | 94.78 | 79.43 | 67.82 | 58.78 | 18.18 | 0.00 | | |
| 15 | 3.18 | 7.66 | 14.90 | 35.91 | 38.66 | 69.85 | 103.10 | 135.89 | 200.55 | 264.35 | 327.50 | 390.14 | 297.30 | 212.73 | 161.83 | 128.42 | 105.11 | 88.09 | 75.21 | 65.19 | 0.00 | | | |
| 16 | 3.39 | 8.17 | 15.89 | 38.30 | 41.24 | 74.51 | 109.97 | 144.95 | 213.92 | 281.97 | 349.33 | 416.15 | 327.52 | 234.35 | 178.28 | 141.47 | 115.80 | 97.04 | 82.86 | 0.00 | | | | |
| 17 | 3.60 | 8.68 | 16.89 | 40.70 | 43.82 | 79.17 | 116.84 | 154.01 | 227.29 | 299.59 | 371.16 | 442.16 | 358.70 | 256.66 | 195.25 | 154.94 | 126.82 | 106.28 | 90.74 | 0.00 | | | | |
| 18 | 3.81 | 9.19 | 17.88 | 43.09 | 46.40 | 83.83 | 123.72 | 163.07 | 240.66 | 317.21 | 392.99 | 468.17 | 390.81 | 279.64 | 212.73 | 168.81 | 138.17 | 115.80 | 16.92 | 0.00 | | | | |
| 19 | 4.03 | 9.70 | 18.87 | 45.48 | 48.97 | 88.48 | 130.59 | 172.13 | 254.03 | 334.84 | 414.83 | 494.18 | 423.82 | 303.26 | 230.70 | 183.08 | 149.84 | 125.58 | 0.00 | | | | | |
| 20 | 4.24 | 10.21 | 19.87 | 47.88 | 51.55 | 93.14 | 137.46 | 181.18 | 267.40 | 352.46 | 436.66 | 520.19 | 457.72 | 327.52 | 249.15 | 197.72 | 161.83 | 98.33 | 0.00 | | | | | |
| 21 | 4.45 | 10.72 | 20.86 | 50.27 | 54.13 | 97.80 | 144.33 | 190.24 | 280.78 | 370.08 | 458.49 | 546.19 | 492.48 | 352.39 | 268.07 | 212.73 | 174.12 | 0.00 | | | | | | |
| 22 | 4.66 | 11.23 | 21.85 | 52.67 | 56.71 | 102.45 | 151.21 | 199.30 | 294.15 | 387.71 | 480.33 | 572.20 | 528.07 | 377.85 | 287.44 | 228.10 | 186.70 | 0.00 | | | | | | |
| 23 | 4.87 | 11.74 | 22.85 | 55.06 | 59.28 | 107.11 | 158.08 | 208.36 | 307.52 | 405.33 | 502.16 | 598.21 | 564.48 | 403.91 | 307.26 | 243.83 | 153.53 | 0.00 | | | | | | |
| 24 | 5.09 | 12.26 | 23.84 | 57.45 | 61.86 | 111.77 | 164.95 | 217.42 | 320.89 | 422.95 | 523.99 | 624.22 | 601.69 | 430.53 | 327.52 | 259.91 | 48.97 | 0.00 | | | | | | |
| 25 | 5.30 | 12.77 | 24.83 | 59.85 | 64.44 | 116.42 | 171.83 | 226.48 | 334.26 | 440.58 | 545.83 | 650.23 | 639.68 | 457.72 | 348.20 | 276.32 | 0.00 | | | | | | | |
| 26 | 5.51 | 13.28 | 25.83 | 62.24 | 67.02 | 121.08 | 178.70 | 235.54 | 347.63 | 458.20 | 567.66 | 676.24 | 678.45 | 485.46 | 369.30 | 293.06 | 0.00 | | | | | | | |

Type A

Type B

Type C

Type A: Manual or Drip Lubrication

Type B: Bath or Disc Lubrication

Type C: Oil Stream Lubrication

**End
Of
Document**