



ISO 9001
Registered Quality System

ALLIED-LOCKE INDUSTRIES

★ **Precision Roller Chain**

★ **Engineering Class Chain**

★ **Agricultural Chain**

★ **Sprockets**

★ **Environmental Products**

PRECISION ROLLER CHAIN



A roller chain is a series of roller links and pin links alternately arranged, and joined throughout the length of the chain. Each roller link consists of two rollers, slipped into bushings, then press-fitted into (inner) side plates. The pin links are made up of two pins press-fitted into two (outer) side plates. When assembled, the two pins of the pin link slip into the bushings of the adjacent roller links. The bushings pivot on the pins while the rollers turn on the outside of the bushings, allowing smooth, free-moving operation, and access of lubrication to the various parts of the chain.

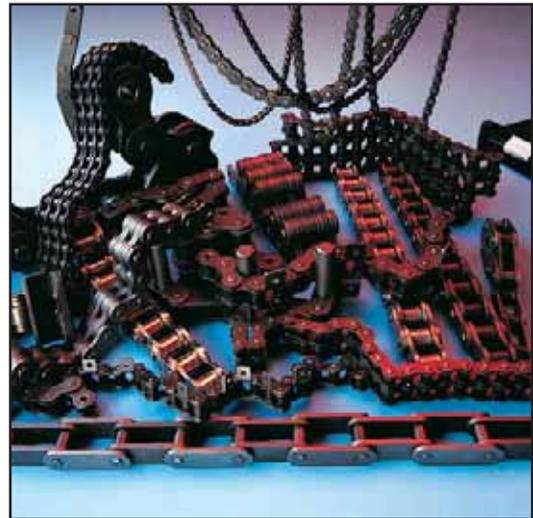
Roller chain sizes are determined by four primary dimensions: pitch, inside width of the roller link, roller diameter, and plate thickness. Pitch, the distance in inches between centers of adjacent flexing joints, forms the proportional basis for the remaining dimensions. Chain size is designated by the pitch dimension, and chain length is expressed in terms of pitch, or in feet and inches.

The selection of either riveted or cottered construction depends on the size of the roller chain. Riveted construction is available for chain sizes 25-160, and cottered construction for chain sizes 60 and larger. Multiple strands are also available.

Roller chain varies in assembly according to the kind of configuration and the number of pitches required. If chain is furnished "endless," it may be ordered "riveted endless" (a permanent connection) or "assembled endless with a connecting link."

A connecting link, either spring clip or cottered style, is supplied with chain lengths having an even number of pitches. Spring clip connecting links are used for 25-80 size chain, while cottered connecting links are recommended for 100 size chain and larger. The slip-fit assembly of the cover plate on the pins of the connecting link is appropriate for most applications involving low to moderate chain speeds and loads.

For roller chain measuring an odd number of pitches, an offset link is required. One-pitch offset links have a slip-fit pin milled flat on one end to prevent it from turning in the side plate. One-pitch offset links are available for all chain sizes, except number 25, which requires a two-pitch offset link. Two-pitch offset links consist of an offset link and a roller link. The pin is press-fitted in the offset side plate and riveted. This type of assembly increases the strength and rigidity of the two-pitch offset, making it especially suitable for heavy-duty service. Two-pitch offsets are available for all chain sizes.



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Pin link



Roller link



Roller Bushing press-fitted in the inner link plate



Pin press-fitted in the outer link plate



Connector link



Offset link

PRECISION ROLLER CHAIN

Roller chain drives are one of several means of mechanical power transmission. Although none of these methods is suitable for all conditions and applications, the functional and constructional qualities of roller chain, as well as its cost effectiveness, make it an advantageous choice. Some of the positive characteristics of roller chain drives can be summarized as follows:

1 Power Transmission Efficiency

Since there is no slippage of the roller chain on the sprocket teeth, positive drive speed is maintained throughout the life of the chain. Roller chain drives perform at approximately 98% efficiency.

2 Service Durability

The even distribution of load-bearing roller chain over the sprocket teeth and the low surface friction and flexing joint pressure between lubricated chain and sprocket parts give roller chain substantial load-handling capacity and a long, reliable service life. Protected by oil, roller chain is minimally affected by adverse environmental conditions, such as high temperature, dust, and dirt. Roller chain manufactured with specialty materials or coatings resists moisture and corrosion.

3 Application Versatility

The efficiency and durability of roller chain suit it for a wide range of purposes, speeds, and load sizes. Roller chain drives are easily assembled, conserve space, and can be readily adapted to design changes.

4 Economical Choice

Taking into consideration the strength, reliability, and versatility of roller chain, the purchase price and maintenance costs are economical. Certain kinds of roller chain drives can be repaired or replaced as needed without disturbing the other components in the drive assembly. If stored in a reasonably protected environment, roller chain does not deteriorate with age.

HOW TO ORDER



Roller Chain with Connecting Link

When the number of pitches is even, a connecting link is included.



Example: 40 Riv. x 8 links including 1 connecting link.

Roller Chain with Offset Link

When the number of pitches is odd, an offset link is necessary.



Example: 50 Riv. x 9 links including an offset link and a connecting link.

Roller Chain with Roller Links on Each End

When connecting links are not required, indicate roller link on end.



Example: 80 Riv. x 9 links with a roller link on each end.

Roller Chain Endless

Specify number of links and “endless.”



Example: 60 Riv. x 20 links riveted endless.

Roller Chain with Connecting Links on Each End

For chain which is not used as endless, indicate the number of connecting links needed.



Example: 60 Riv. x 9 links including 2 connecting links.

To order roller chain, the following information is needed: quantity, size, type—cotted or riveted, and chain length. The style and spacing of attachments must be specified when ordering attachment chain.

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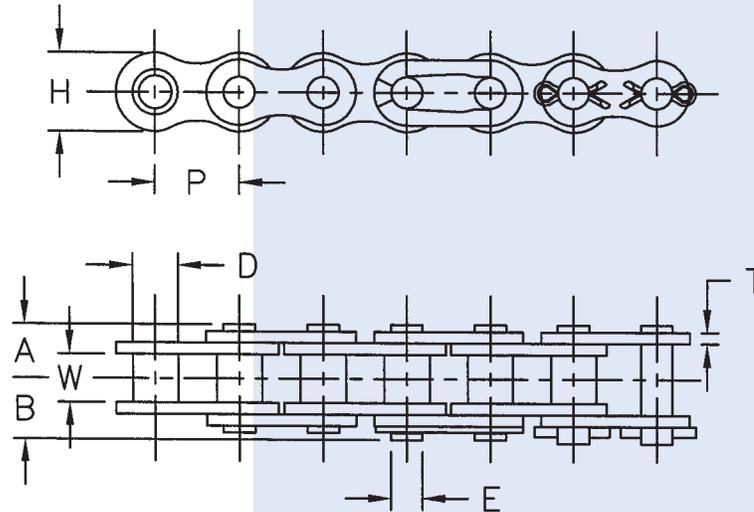
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ANSI ROLLER CHAIN SINGLE STRAND



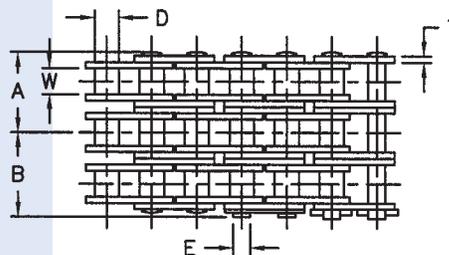
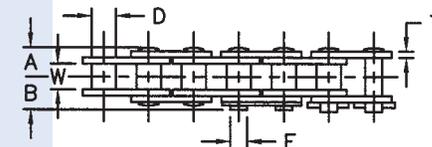
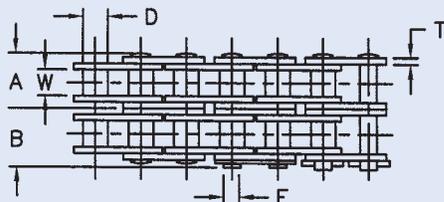
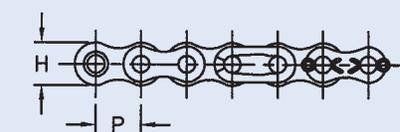
| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 25* | 1/4 | 0.125 | 0.130* | 0.153 | 0.189 | 0.228 | 0.029 | 0.091 | 930 | 0.09 |
| 35* | 3/8 | 0.188 | 0.200* | 0.228 | 0.276 | 0.356 | 0.050 | 0.141 | 2,320 | 0.22 |
| 40 | 1/2 | 0.312 | 0.312 | 0.321 | 0.368 | 0.475 | 0.058 | 0.156 | 3,970 | 0.42 |
| 41 | 1/2 | 0.250 | 0.306 | 0.261 | 0.314 | 0.390 | 0.050 | 0.141 | 2,760 | 0.28 |
| 50 | 5/8 | 0.375 | 0.400 | 0.397 | 0.455 | 0.594 | 0.079 | 0.200 | 6,620 | 0.68 |
| 60 | 3/4 | 0.500 | 0.469 | 0.497 | 0.551 | 0.712 | 0.093 | 0.234 | 9,270 | 0.97 |
| 80 | 1 | 0.625 | 0.625 | 0.645 | 0.724 | 0.950 | 0.125 | 0.312 | 16,540 | 1.71 |
| 100 | 1 1/4 | 0.750 | 0.750 | 0.789 | 0.941 | 1.188 | 0.157 | 0.375 | 25,360 | 2.65 |
| 120 | 1 1/2 | 1.000 | 0.875 | 0.983 | 1.219 | 1.425 | 0.189 | 0.437 | 32,640 | 3.79 |
| 140 | 1 3/4 | 1.000 | 1.000 | 1.066 | 1.259 | 1.663 | 0.219 | 0.500 | 45,210 | 4.96 |
| 160 | 2 | 1.250 | 1.125 | 1.282 | 1.469 | 1.901 | 0.255 | 0.563 | 57,780 | 6.32 |
| 180 | 2 1/4 | 1.406 | 1.406 | 1.404 | 1.675 | 2.130 | 0.283 | 0.687 | 80,480 | 9.04 |
| 200 | 2 1/2 | 1.500 | 1.562 | 1.580 | 1.764 | 2.376 | 0.312 | 0.782 | 109,150 | 10.31 |
| 240 | 3 | 1.875 | 1.875 | 1.886 | 2.184 | 2.850 | 0.375 | 0.937 | 152,140 | 16.40 |

*Chain is rollerless. Dimension shown is bushing diameter.
Chain sizes 40-240 have solid rollers.

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ANSI ROLLER CHAIN MULTIPLE STRAND



| Dimensions In Inches | | | | | | | | | | |
|---------------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| 35 MULTIPLE STRAND | | | | | | | | | | |
| 35-2 | 3/8 | .188 | .200 | .438 | .468 | .356 | .050 | .141 | 4,640 | 0.42 |
| 35-3 | 3/8 | .188 | .200 | .631 | .675 | .356 | .050 | .141 | 6,950 | 0.63 |
| 40 MULTIPLE STRAND | | | | | | | | | | |
| 40-2 | 1/2 | .312 | .312 | .606 | .661 | .475 | .058 | .156 | 7,500 | 0.82 |
| 40-3 | 1/2 | .312 | .312 | .888 | .947 | .475 | .058 | .156 | 11,250 | 1.22 |
| 40-4 | 1/2 | .312 | .312 | 1.171 | 1.242 | .475 | .058 | .156 | 15,000 | 1.63 |
| 50 MULTIPLE STRAND | | | | | | | | | | |
| 50-2 | 5/8 | .375 | .400 | .752 | .807 | .594 | .079 | .200 | 13,230 | 1.34 |
| 50-3 | 5/8 | .375 | .400 | 1.111 | 1.178 | .594 | .079 | .200 | 19,850 | 2.00 |
| 50-4 | 5/8 | .375 | .400 | 1.481 | 1.532 | .594 | .079 | .200 | 26,460 | 2.67 |
| 60 MULTIPLE STRAND | | | | | | | | | | |
| 60-2 | 3/4 | .500 | .469 | .945 | 1.000 | .712 | .093 | .234 | 18,530 | 1.93 |
| 60-3 | 3/4 | .500 | .469 | 1.397 | 1.452 | .712 | .093 | .234 | 27,790 | 2.88 |
| 60-4 | 3/4 | .500 | .469 | 1.845 | 1.901 | .712 | .093 | .234 | 37,050 | 3.83 |
| 80 MULTIPLE STRAND | | | | | | | | | | |
| 80-2 | 1 | .625 | .625 | 1.220 | 1.303 | .950 | .125 | .312 | 33,080 | 3.39 |
| 80-3 | 1 | .625 | .625 | 1.791 | 1.882 | .950 | .125 | .312 | 49,620 | 5.07 |
| 80-4 | 1 | .625 | .625 | 2.388 | 2.451 | .950 | .125 | .312 | 66,150 | 6.76 |

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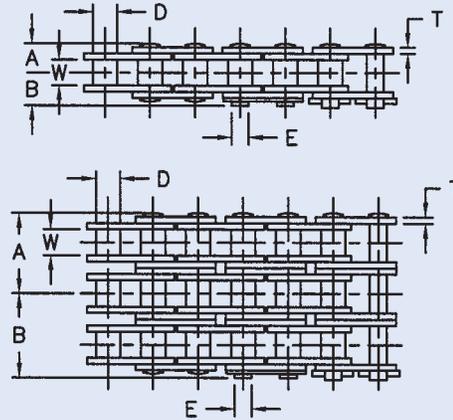
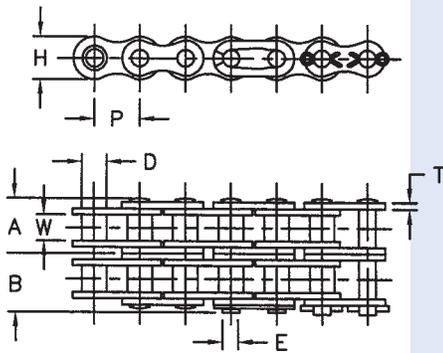
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ANSI ROLLER CHAIN MULTIPLE STRAND

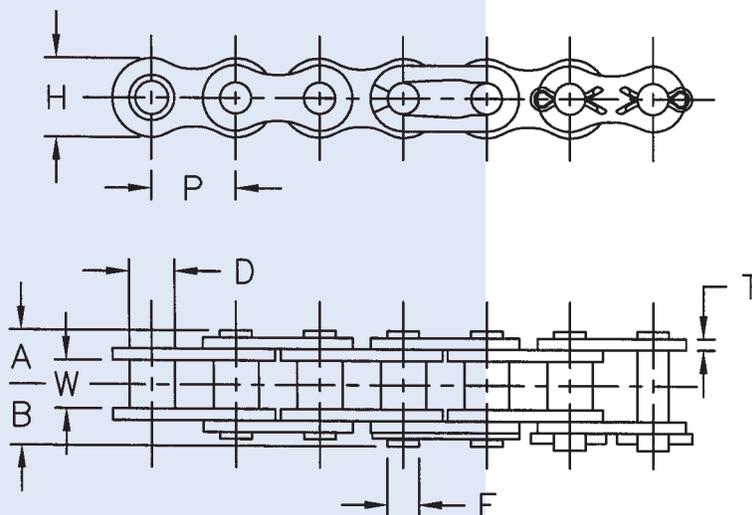


| Dimensions In Inches | | | | | | | | | | |
|----------------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 100 MULTIPLE STRAND | | | | | | | | | | |
| 100-2 | 1 1/4 | .750 | .750 | 1.493 | 1.662 | 1.188 | .157 | .375 | 50,720 | 5.28 |
| 100-3 | 1 1/4 | .750 | .750 | 2.198 | 2.367 | 1.188 | .157 | .375 | 76,080 | 7.90 |
| 100-4 | 1 1/4 | .750 | .750 | 2.903 | 3.068 | 1.188 | .157 | .375 | 101,430 | 10.52 |
| 120 MULTIPLE STRAND | | | | | | | | | | |
| 120-2 | 1 1/2 | 1.000 | .875 | 1.888 | 2.060 | 1.425 | .189 | .437 | 65,270 | 7.53 |
| 120-3 | 1 1/2 | 1.000 | .875 | 2.773 | 2.969 | 1.425 | .189 | .437 | 97,910 | 11.24 |
| 120-4 | 1 1/2 | 1.000 | .875 | 3.668 | 3.849 | 1.425 | .189 | .437 | 130,540 | 14.97 |
| 140 MULTIPLE STRAND | | | | | | | | | | |
| 140-2 | 1 3/4 | 1.000 | 1.000 | 2.029 | 2.236 | 1.663 | .219 | .500 | 90,410 | 9.85 |
| 140-3 | 1 3/4 | 1.000 | 1.000 | 3.005 | 3.174 | 1.663 | .219 | .500 | 135,610 | 14.74 |
| 160 MULTIPLE STRAND | | | | | | | | | | |
| 160-2 | 2 | 1.250 | 1.125 | 2.450 | 2.631 | 1.901 | .255 | .563 | 115,550 | 12.53 |
| 160-3 | 2 | 1.250 | 1.125 | 3.606 | 3.786 | 1.901 | .255 | .563 | 173,320 | 18.74 |
| 180 MULTIPLE STRAND | | | | | | | | | | |
| 180-2 | 2 1/4 | 1.406 | 1.406 | 2.707 | 2.967 | 2.130 | .283 | .687 | 160,960 | 17.82 |
| 200 MULTIPLE STRAND | | | | | | | | | | |
| 200-2 | 2 1/2 | 1.501 | 1.562 | 2.990 | 3.173 | 2.376 | .312 | .782 | 218,300 | 21.08 |
| 200-3 | 2 1/2 | 1.501 | 1.562 | 4.399 | 4.583 | 2.376 | .312 | .782 | 327,450 | 31.78 |
| 240 MULTIPLE STRAND | | | | | | | | | | |
| 240-2 | 3 | 1.875 | 1.875 | 3.618 | 3.913 | 2.850 | .375 | .937 | 304,280 | 32.32 |
| 240-3 | 3 | 1.875 | 1.875 | 5.348 | 5.636 | 2.850 | .375 | .937 | 456,420 | 48.11 |

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ANSI ROLLER CHAIN HEAVY SERIES



| SINGLE STRAND | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| Dimensions In Inches | | | | | | | | | | |
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| 50H-1 | 5/8 | .375 | .400 | .432 | .487 | .374 | .093 | .200 | 7,940 | 0.77 |
| 60H-1 | 3/4 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 12,130 | 1.16 |
| 80H-1 | 1 | .625 | .625 | .720 | .783 | .950 | .157 | .312 | 19,850 | 2.00 |
| 100H-1 | 1 1/4 | .750 | .750 | .845 | 1.002 | 1.188 | .189 | .375 | 30,870 | 3.02 |
| 120H-1 | 1 1/2 | 1.000 | .875 | 1.070 | 1.259 | 1.425 | .219 | .437 | 36,390 | 4.21 |
| 140H-1 | 1 3/4 | 1.000 | 1.000 | 1.138 | 1.303 | 1.663 | .250 | .500 | 48,510 | 5.54 |
| 160H-1 | 2 | 1.250 | 1.125 | 1.337 | 1.514 | 1.901 | .281 | .563 | 60,630 | 7.35 |
| 200H-1 | 2 1/2 | 1.500 | 1.562 | 1.689 | 1.894 | 2.376 | .375 | .782 | 103,630 | 12.33 |
| DOUBLE STRAND | | | | | | | | | | |
| 60H-2 | 3/4 | .500 | .469 | 1.090 | 1.140 | .712 | .125 | .234 | 24,260 | 2.31 |
| 80H-2 | 1 | .625 | .625 | 1.360 | 1.420 | .950 | .157 | .312 | 39,690 | 3.97 |
| 100H-2 | 1 1/4 | .750 | .750 | 1.630 | 1.736 | 1.188 | .187 | .375 | 52,920 | 6.07 |
| 120H-2 | 1 1/2 | 1.000 | .875 | 2.014 | 2.171 | 1.425 | .219 | .437 | 71,880 | 8.67 |
| 140H-2 | 1 3/4 | 1.000 | 1.000 | 2.163 | 2.343 | 1.663 | .250 | .500 | 94,370 | 11.01 |
| 160H-2 | 2 | 1.250 | 1.125 | 2.555 | 2.736 | 1.901 | .281 | .563 | 121,260 | 14.64 |
| 200H-2 | 2 1/2 | 1.501 | 1.562 | 3.230 | 3.437 | 2.376 | .375 | .782 | 207,260 | 24.51 |

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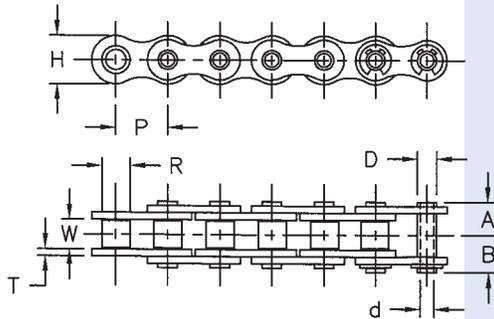
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HOLLOW PIN CHAIN

SIDE BOW CHAIN

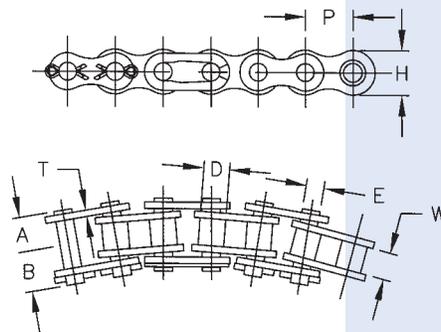


HOLLOW PIN

Hollow pin chain is identical to ANSI roller chain running on standard ANSI sprockets. The unique "hollow" pin feature provides unlimited conveyor versatility, allowing easy insertion of cross rods or attachments to preassembled chains at desired spacing.

"HP" is added to the chain numbers for identification.

| Dimensions In Inches | | | | | | | | | | | |
|----------------------|------------|------------|-----------|---------------|----------------|---------------|------|-------------|----------------|--------------------------------|-------------------------|
| Chain No. | Pitch P | Roller | | Pin | | | | Link Plate | | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. R | Out Dia. D | Ins. Dia. d | Length A B | | Height H | Thickness T | | |
| | | | | | | | | | | | |
| 40HP | 1/2 | .312 | .312 | .224 | .157 | .327 | .362 | .475 | .058 | 2,867 | .35 |
| 50HP | 5/8 | .375 | .400 | .287 | .201 | .404 | .453 | .594 | .079 | 4,631 | .55 |
| 60HP | 3/4 | .500 | .469 | .331 | .235 | .508 | .555 | .712 | .073 | 5,754 | .67 |
| 80HP | 1 | .625 | .625 | .449 | .318 | .638 | .758 | .950 | .125 | 11,466 | 1.41 |
| C2040HP | 1 | .312 | .312 | .224 | .161 | .326 | .353 | .475 | .058 | 2,870 | 0.28 |
| C2042HP | 1 | .312 | .625 | .224 | .161 | .326 | .353 | .475 | .058 | 2,870 | 0.56 |
| C2050HP | 1 1/4 | .375 | .400 | .287 | .201 | .403 | .427 | .594 | .079 | 4,640 | 0.48 |
| C2052HP | 1 1/4 | .375 | .750 | .287 | .201 | .403 | .427 | .594 | .079 | 4,640 | 0.86 |
| C2060HP | 1 1/2 | .500 | .469 | .331 | .235 | .508 | .548 | .712 | .093 | 5,960 | 0.68 |
| C2062HP | 1 1/2 | .500 | .875 | .331 | .235 | .508 | .548 | .712 | .093 | 5,960 | 1.24 |
| C2080HP | 2 | .625 | .625 | .449 | .318 | .655 | .693 | .950 | .125 | 11,470 | 1.71 |
| C2082HP | 2 | .625 | 1.126 | .449 | .318 | .655 | .693 | .950 | .125 | 11,470 | 2.41 |



SIDE BOW CHAIN

Side bow chain offers extra clearance between pins, bushings, and side-plates to allow flexibility around curves or in twists.

"SB" is added to the chain numbers for identification.

| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 40SB | 1/2 | .312 | .312 | .333 | .391 | .475 | .058 | .156 | 3,270 | 0.41 |
| 50SB | 5/8 | .375 | .400 | .420 | .475 | .594 | .079 | .200 | 5,430 | 0.67 |
| 60SB | 3/4 | .500 | .469 | .523 | .578 | .712 | .093 | .234 | 7,610 | 0.96 |
| 80SB | 1 | .625 | .621 | .676 | .731 | .950 | .125 | .312 | 12,790 | 1.70 |

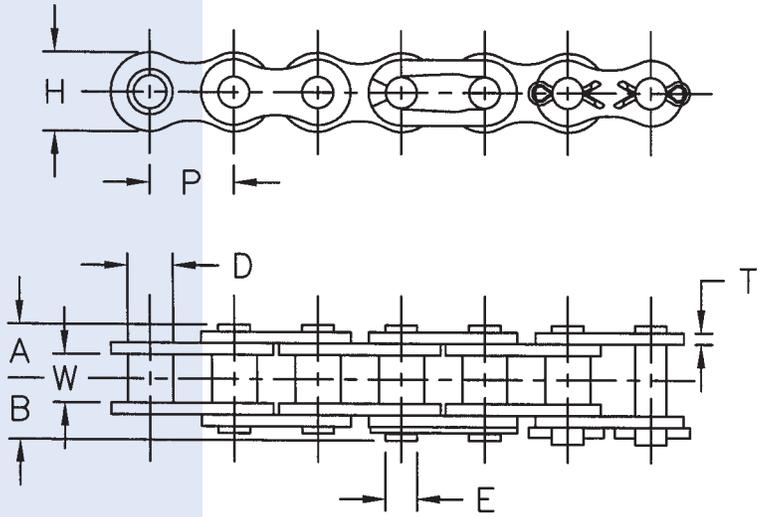
ROLLERLESS CHAIN SELF-LUBE CHAIN



SELF-LUBE SINGLE STRAND

Self-lube roller chain (sintered bushing) assures seizure-free, long life when normal lubrication is not possible or restricted in cases such as textiles, packing, and printing machines. Self lube roller chain is interchangeable with ANSI roller chain and workable on standard ANSI sprockets.

“SL” is added for identification.



| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 40SL | 1/2 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.40 |
| 50SL | 5/8 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 4,640 | 0.65 |
| 60SL | 3/4 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 5,960 | 0.91 |
| 80SL | 1 | .625 | .625 | .645 | .724 | .950 | .125 | .312 | 11,470 | 1.63 |
| C2040SL | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.30 |
| C2050SL | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 4,640 | 0.50 |
| C2060SL | 1 1/2 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 5,960 | 0.73 |
| C2060HSL | 1 1/2 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 7,060 | 0.79 |
| C2080HSL | 2 | .625 | .625 | .720 | .873 | .950 | .157 | .312 | 11,800 | 1.34 |

ROLLERLESS CHAIN-SINGLE STRAND

Rollerless chain has the same strength and size as ANSI standard chain. Designed to withstand continual wearing action, rollerless chain is ideal for lifting services or tension linkage applications.

The numbering of the rollerless chain is given by substituting the last “0” with “5” as in the table below.

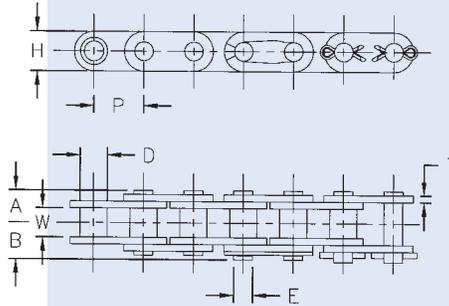
| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Bushing | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 55 | 5/8 | .375 | .278 | .400 | .455 | .594 | .079 | .200 | 6,620 | 0.56 |
| 65 | 3/4 | .500 | .330 | .497 | .551 | .712 | .093 | .234 | 9,270 | 0.79 |
| 85 | 1 | .625 | .443 | .645 | .724 | .950 | .125 | .312 | 15,880 | 1.40 |
| 105 | 1 1/4 | .750 | .535 | .789 | .941 | 1.190 | .157 | .375 | 25,360 | 2.24 |

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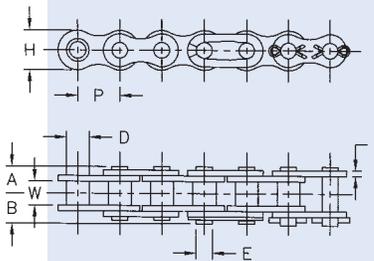
STRAIGHT SIDEBAR CHAIN

NON-STANDARD SERIES CHAIN



STRAIGHT SIDEBAR CHAIN

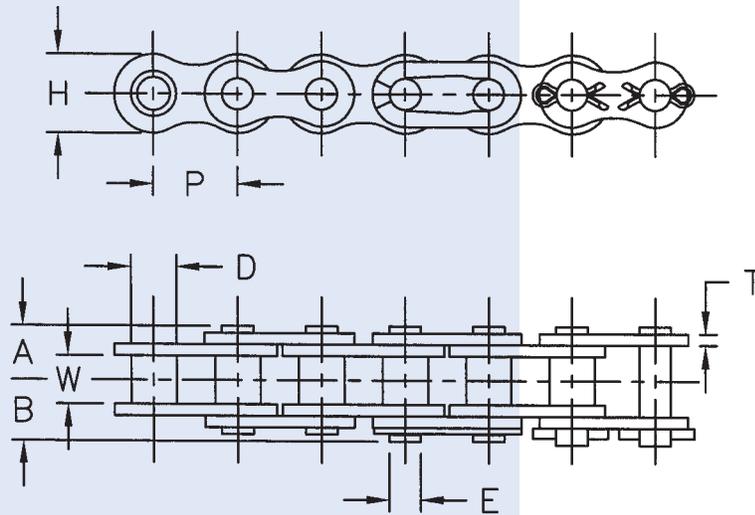
| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| C40 | 1/2 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.44 |
| C50 | 5/8 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.73 |
| C60 | 3/4 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 9,270 | 1.03 |
| C80 | 1 | .625 | .625 | .645 | .724 | .950 | .125 | .312 | 15,880 | 1.82 |



NON-STANDARD

| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 410(43)(65) | 1/2 | .125 | .305 | .182 | .226 | .390 | .040 | .142 | 2,210 | .19 |
| 415(42) | 1/2 | .187 | .305 | .212 | .256 | .390 | .040 | .142 | 2,210 | .22 |
| 415H | 1/2 | .187 | .305 | .299 | .299 | .451 | .058 | .165 | 3,750 | .33 |
| 420 | 1/2 | .250 | .305 | .328 | .328 | .457 | .058 | .156 | 3,970 | .38 |
| 423 | 1/2 | .250 | .335 | .285 | .328 | .456 | .058 | .175 | 4,080 | .40 |
| 428 | 1/2 | .312 | .335 | .361 | .361 | .456 | .058 | .175 | 4,080 | .44 |
| 428H | 1/2 | .312 | .335 | .406 | .406 | .456 | .079 | .175 | 5,080 | .52 |
| 520 | 5/8 | .250 | .400 | .371 | .371 | .594 | .079 | .200 | 6,620 | .60 |
| 530 | 5/8 | .375 | .400 | .444 | .444 | .594 | .079 | .200 | 6,620 | .68 |

BRITISH STANDARD CHAIN



| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 04B-1 | .236 | .110 | .157 | .124 | .179 | .198 | .024 | .072 | 730 | 0.09 |
| 05B-1 | .315 | .118 | .197 | .152 | .189 | .280 | .030 | .091 | 1,150 | 0.11 |
| 06B-1 | 3/8 | .225 | .250 | .253 | .291 | .325 | .050 | .129 | 2,250 | 0.28 |
| 08B-1 | 1/2 | .305 | .335 | .321 | .361 | .465 | .058 | .175 | 4,080 | 0.44 |
| 10B-1 | 5/8 | .380 | .400 | .385 | .440 | .580 | .067 | .200 | 5,850 | 0.62 |
| 12B-1 | 3/4 | .460 | .475 | .440 | .483 | .635 | .073 | .225 | 7,060 | 0.81 |
| 16B-1 | 1 | .670 | .625 | .702 | .819 | .830 | .157 | .326 | 15,880 | 1.79 |
| 20B-1 | 1 1/4 | .770 | .750 | .786 | .955 | 1.040 | .175 | .401 | 22,050 | 2.43 |
| 24B-1 | 1 1/2 | 1.000 | 1.000 | 1.059 | 1.256 | 1.315 | .219 | .576 | 36,830 | 4.47 |
| 32B-1 | 2 | 1.220 | 1.150 | 1.327 | 1.556 | 1.662 | .275 | .703 | 57,330 | 6.59 |
| 06B-2 | 3/8 | .225 | .250 | .453 | .488 | .325 | .050 | .129 | 4,190 | 0.50 |
| 08B-2 | 1/2 | .305 | .335 | .606 | .642 | .465 | .058 | .175 | 8,160 | 0.87 |
| 10B-2 | 5/8 | .380 | .400 | .717 | .776 | .580 | .067 | .200 | 11,680 | 1.22 |
| 12B-2 | 3/4 | .460 | .475 | .833 | .873 | .635 | .073 | .225 | 14,120 | 1.61 |
| 16B-2 | 1 | .670 | .625 | 1.326 | 1.418 | .830 | .157 | .326 | 31,980 | 3.54 |
| 20B-2 | 1 1/4 | .770 | .750 | 1.493 | 1.670 | 1.040 | .175 | .401 | 44,100 | 4.81 |
| 24B-2 | 1 1/2 | 1.000 | 1.000 | 1.989 | 2.219 | 1.315 | .219 | .576 | 64,390 | 8.86 |
| 06B-3 | 3/8 | .225 | .250 | .655 | .690 | .325 | .050 | .129 | 6,620 | 0.74 |
| 08B-3 | 1/2 | .305 | .335 | .868 | .908 | .465 | .058 | .175 | 12,130 | 1.31 |
| 10B-3 | 5/8 | .380 | .400 | 1.044 | 1.103 | .580 | .067 | .200 | 17,640 | 1.81 |
| 12B-3 | 3/4 | .460 | .475 | 1.215 | 1.254 | .635 | .073 | .225 | 21,170 | 2.41 |
| 16B-3 | 1 | .670 | .625 | 1.959 | 2.058 | .830 | .157 | .326 | 47,410 | 5.30 |
| 20B-3 | 1 1/4 | .770 | .750 | 2.216 | 2.413 | 1.040 | .175 | .401 | 66,150 | 7.22 |

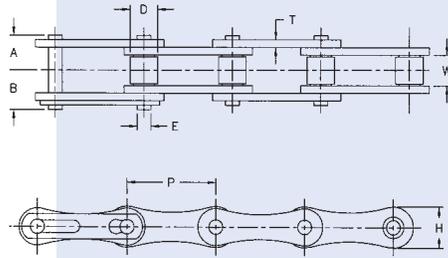
Allied-Locke Industries Inc.

. . . reach for the star of quality

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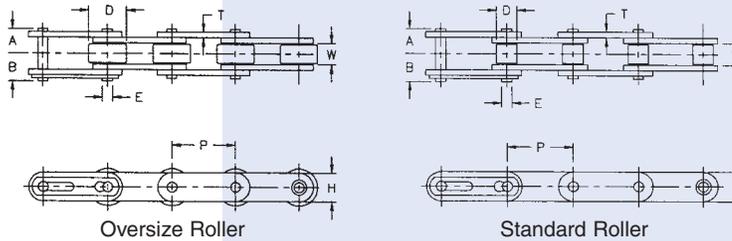


DOUBLE PITCH ROLLER CHAIN



DRIVE SERIES

| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| A2040 | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.28 |
| A2050 | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.46 |
| A2060 | 1 1/2 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 9,270 | 0.64 |
| A2080 | 2 | .625 | .625 | .725 | .873 | .950 | .157 | .312 | 12,460 | 1.24 |



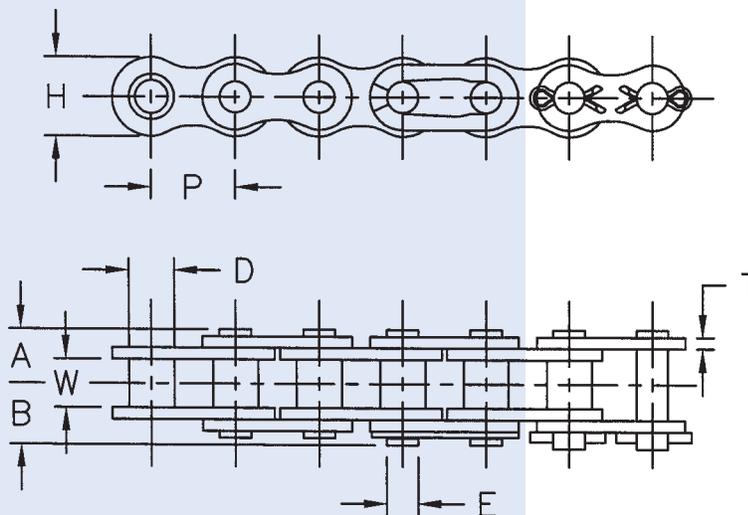
CONVEYOR SERIES

| Dimensions In Inches | | | | | | | | | | |
|-----------------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| STANDARD ROLLER TYPE | | | | | | | | | | |
| C2040 | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.32 |
| C2050 | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.54 |
| C2060 | 1 1/2 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 9,270 | 0.76 |
| C2060H | 1 1/2 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 12,130 | 0.95 |
| C2080H | 2 | .625 | .625 | .720 | .873 | .950 | .157 | .312 | 19,850 | 1.60 |
| C2100H | 2 1/2 | .750 | .750 | .845 | 1.002 | 1.188 | .189 | .375 | 30,870 | 2.46 |
| C2120H | 3 | 1.000 | .875 | 1.066 | 1.259 | 1.425 | .219 | .437 | 36,390 | 3.48 |
| C2160H | 4 | 1.250 | 1.125 | 1.339 | 1.536 | 1.901 | .281 | .563 | 61,740 | 5.75 |
| OVERSIZE ROLLER TYPE | | | | | | | | | | |
| C2042 | 1 | .312 | .625 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.56 |
| C2052 | 1 1/4 | .375 | .750 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.85 |
| C2062H | 1 1/2 | .500 | .875 | .570 | .625 | .712 | .125 | .234 | 12,130 | 1.42 |
| C2082H | 2 | .625 | 1.125 | .720 | .873 | .950 | .157 | .312 | 19,850 | 2.31 |
| C2102H | 2 1/2 | .750 | 1.562 | .845 | 1.002 | 1.188 | .189 | .375 | 30,870 | 3.95 |
| C2122H | 3 | 1.000 | 1.751 | 1.066 | 1.259 | 1.425 | .219 | .437 | 36,390 | 5.44 |
| C2162H | 4 | 1.250 | 2.251 | 1.339 | 1.536 | 1.901 | .281 | .563 | 61,740 | 8.79 |

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SOLID BUSHED/ SOLID ROLLER CHAIN



| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 40 | 1/2 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.42 |
| 50 | 5/8 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.68 |
| 60 | 3/4 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 9,270 | 0.97 |
| 80 | 1 | .625 | .625 | .645 | .724 | .950 | .125 | .312 | 16,540 | 1.71 |
| 100 | 1 1/4 | .750 | .750 | .789 | .941 | 1.188 | .157 | .375 | 25,360 | 2.65 |
| 120 | 1 1/2 | 1.000 | .875 | .983 | 1.219 | 1.425 | .189 | .437 | 32,640 | 3.79 |
| 140 | 1 3/4 | 1.000 | 1.000 | 1.066 | 1.259 | 1.663 | .219 | .500 | 45,210 | 4.96 |
| 160 | 2 | 1.250 | 1.125 | 1.282 | 1.469 | 1.901 | .255 | .563 | 57,780 | 6.32 |
| 60H | 3/4 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 12,130 | 1.16 |
| 80H | 1 | .625 | .625 | .720 | .783 | .950 | .157 | .312 | 19,850 | 2.00 |
| 100H | 1 1/4 | .750 | .750 | .845 | 1.002 | 1.188 | .189 | .375 | 30,870 | 3.02 |
| 40-2 | 1/2 | .312 | .312 | .606 | .661 | .475 | .058 | .156 | 7,500 | 0.82 |
| 50-2 | 5/8 | .375 | .400 | .752 | .807 | .594 | .079 | .200 | 13,230 | 1.34 |
| 60-2 | 3/4 | .500 | .469 | .945 | 1.000 | .712 | .093 | .234 | 18,530 | 1.93 |
| 80-2 | 1 | .625 | .625 | 1.220 | 1.303 | .950 | .125 | .312 | 33,080 | 3.39 |
| C2060H | 1 1/2 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 12,130 | 0.95 |
| C2080H | 2 | .625 | .625 | .720 | .873 | .950 | .157 | .312 | 19,850 | 1.60 |

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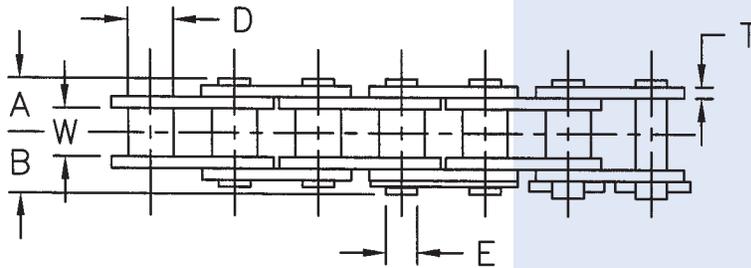
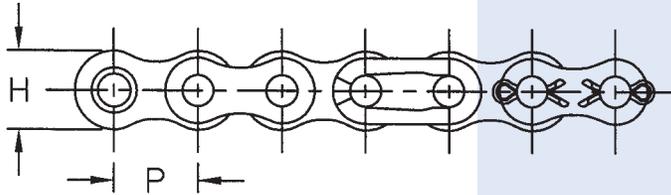
Phone: 815-288-1471

Fax: 815-288-7945

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NICKEL PLATED CHAIN



Plated roller chain is standard chain which is nickel-plated before assembly. It features a sheen and has the property of being resistant to corrosion, together with almost the same strength and wear resistance as standard roller chain.

This makes it ideal for use with machines which must be kept highly clean, such as food processing equipment, textile machines, business machines, and printing machines. In addition, the corrosion resistant feature of nickel-plated chain permits its use either underwater or in places where conditions of high humidity prevail.

“NP” is added to the chain number for identification.

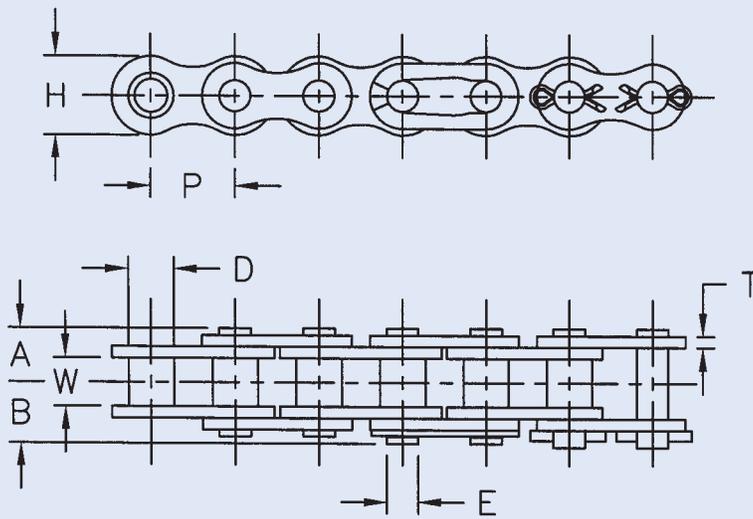
| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 25 NP | 1/4 | .125 | .130 | .153 | .189 | .228 | .029 | .091 | 930 | 0.09 |
| 35 NP | 3/8 | .187 | .200 | .228 | .276 | .356 | .050 | .141 | 2,320 | 0.22 |
| 40 NP | 1/2 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.42 |
| 41 NP | 1/2 | .250 | .306 | .261 | .314 | .390 | .050 | .141 | 2,760 | 0.28 |
| 410(43)NP | 1/2 | .125 | .305 | .182 | .226 | .390 | .040 | .142 | 2,210 | 0.19 |
| 50 NP | 5/8 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.68 |
| 60 NP | 3/4 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 9,270 | 0.97 |
| 80 NP | 1 | .625 | .625 | .645 | .724 | .950 | .125 | .312 | 16,540 | 1.71 |
| 100 NP | 1 1/4 | .750 | .750 | .789 | .941 | 1.188 | .157 | .375 | 25,360 | 2.65 |
| 35-2 NP | 3/8 | .187 | .200 | .438 | .468 | .356 | .050 | .141 | 4,640 | 0.42 |
| 40-2 NP | 1/2 | .312 | .312 | .606 | .661 | .475 | .058 | .156 | 7,500 | 0.82 |
| 50-2 NP | 5/8 | .375 | .400 | .752 | .807 | .594 | .079 | .200 | 13,230 | 1.34 |
| 60-2 NP | 3/4 | .500 | .469 | .945 | 1.000 | .712 | .093 | .234 | 18,530 | 1.93 |
| 80-2 NP | 1 | .625 | .625 | 1.220 | 1.303 | .950 | .125 | .312 | 33,080 | 3.39 |
| A2040 NP | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.28 |
| A2050 NP | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.46 |
| A2060 NP | 1 1/2 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 9,270 | 0.64 |
| C2040 NP | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.32 |
| C2050 NP | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 6,620 | 0.54 |
| C2060H NP | 1 1/2 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 12,130 | 0.95 |
| C2080H NP | 2 | .625 | .625 | .720 | .873 | .950 | .157 | .312 | 19,850 | 1.60 |

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ARMOR COAT CHAIN



Armor coat chain features the strength of carbon steel with a corrosive resistance exceeding nickel plated chain. The baked on coating is applied both prior to assembly and again after assembly. For use in corrosion prone applications such as car wash, packaging, water treatment, wash down lines, produce processing, seafood processing and other outdoor service. "AC" is added to chain number for identification.

| ANSI Chain No. | Dimensions In Inches | | | | | | | | | |
|----------------|----------------------|--------|------|-------------------------|--------------------------|----------|------------|-----------|------------------------|-------------|
| | Pitch | Roller | | Riv. End to Center Line | Conn. End to Center Line | Pin Dia. | Link Plate | | Avg. Ultimate Strength | Avg. Weight |
| | | Width | Dia. | | | | Height | Thickness | | |
| P | W | D | A | B | E | H | T | Lbs. | Lbs./Ft. | |
| 40 AC | 1/2 | .312 | .312 | .321 | .368 | .156 | .475 | .058 | 3,970 | 0.42 |
| 50 AC | 5/8 | .375 | .400 | .399 | .455 | .200 | .594 | .079 | 6,620 | 0.68 |
| 60 AC | 3/4 | .500 | .469 | .497 | .551 | .234 | .712 | .093 | 9,270 | 0.97 |
| 80 AC | 1 | .625 | .625 | .645 | .724 | .312 | .950 | .125 | 16,540 | 1.71 |
| 100 AC | 1 1/4 | .750 | .750 | .789 | .941 | .375 | 1.188 | .157 | 25,360 | 2.65 |
| A2040 AC | 1 | .312 | .312 | .321 | .368 | .156 | .475 | .058 | 3,970 | 0.28 |
| A2050 AC | 1 1/4 | .375 | .400 | .399 | .455 | .200 | .594 | .079 | 6,620 | 0.46 |
| C2040 AC | 1 | .312 | .312 | .321 | .368 | .156 | .475 | .058 | 3,970 | 0.32 |
| C2042 AC | 1 | .312 | .625 | .321 | .368 | .156 | .475 | .058 | 3,970 | 0.56 |
| C2050 AC | 1 1/4 | .375 | .400 | .399 | .455 | .200 | .594 | .079 | 6,620 | 0.54 |
| C2052 AC | 1 1/4 | .375 | .750 | .399 | .455 | .200 | .594 | .079 | 6,620 | 0.85 |
| C2060H AC | 1 1/2 | .500 | .469 | .570 | .625 | .234 | .712 | .125 | 12,130 | 0.95 |
| C2062H AC | 1 1/2 | .500 | .875 | .570 | .625 | .234 | .712 | .125 | 12,130 | 1.42 |

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Phone: 815-288-1471

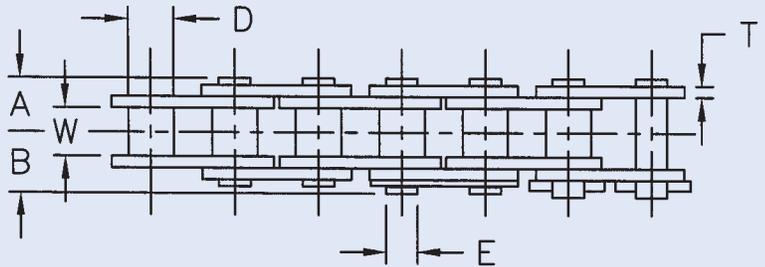
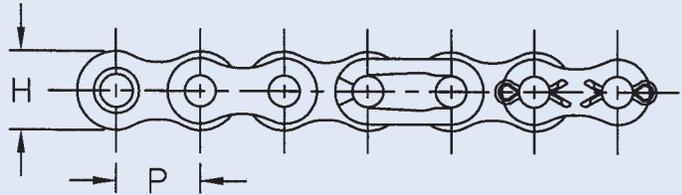
Fax: 815-288-7945

www.alliedlocke.com



“304” STAINLESS STEEL CHAIN

Stainless roller chain is made of 304 stainless steel having superior corrosion and heat resistance properties. Stainless steel attachment chain is also available.



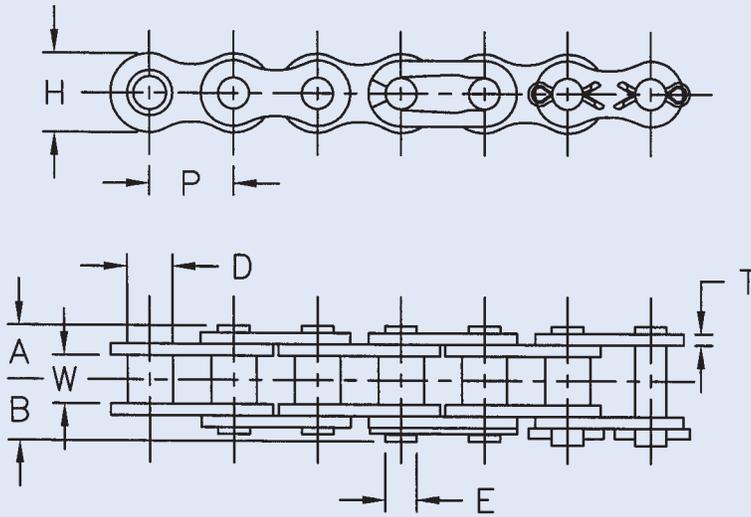
| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| 25 SS | 1/4 | .125 | .130 | .153 | .189 | .228 | .029 | .091 | 670 | 0.09 |
| 35 SS | 3/8 | .187 | .200 | .228 | .276 | .356 | .050 | .141 | 1,550 | 0.22 |
| 40 SS | 1/2 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.42 |
| 41 SS | 1/2 | .250 | .306 | .261 | .314 | .390 | .050 | .141 | 1,550 | 0.28 |
| 50 SS | 5/8 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 4,970 | 0.68 |
| 60 SS | 3/4 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 6,620 | 0.97 |
| 80 SS | 1 | .625 | .625 | .645 | .724 | .950 | .125 | .312 | 10,590 | 1.71 |
| 100 SS | 1 1/4 | .750 | .750 | .789 | .941 | 1.188 | .157 | .375 | 18,500 | 2.80 |
| 35-2 SS | 3/8 | .187 | .200 | .438 | .468 | .356 | .050 | .141 | 3,400 | 0.44 |
| 40-2 SS | 1/2 | .312 | .312 | .606 | .661 | .475 | .058 | .156 | 6,000 | 0.84 |
| 50-2 SS | 5/8 | .375 | .400 | .752 | .807 | .594 | .079 | .200 | 9,390 | 1.40 |
| 60-2 SS | 3/4 | .500 | .469 | .945 | 1.000 | .712 | .093 | .234 | 13,540 | 2.10 |
| 80-2 SS | 1 | .625 | .625 | 1.220 | 1.303 | .950 | .125 | .312 | 24,030 | 3.40 |
| A2040 SS | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.32 |
| A2050 SS | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 4,970 | 0.54 |
| A2060 SS | 1 1/2 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 6,620 | 0.76 |
| C2040 SS | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.32 |
| C2042 SS | 1 | .312 | .625 | .321 | .368 | .475 | .058 | .156 | 3,970 | 0.56 |
| C2050 SS | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 4,970 | 0.54 |
| C2052 SS | 1 1/4 | .375 | .750 | .399 | .455 | .594 | .079 | .200 | 4,970 | 0.85 |
| C2060 SS | 1 1/2 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 6,620 | 0.76 |
| C2060H SS | 1 1/2 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 6,620 | 0.95 |
| C2062H SS | 1 1/2 | .500 | .875 | .570 | .625 | .712 | .125 | .234 | 6,620 | 1.42 |
| C2080H SS | 2 | .625 | .625 | .720 | .873 | .950 | .157 | .312 | 10,590 | 1.60 |
| C2082H SS | 2 | .625 | 1.130 | .720 | .873 | .950 | .157 | .312 | 10,590 | 2.31 |

Allied-Locke Industries Inc.

... the company that delivers

www.alliedlocke.com

"600" SERIES (PHSS) STAINLESS STEEL CHAIN



Provides both corrosion resistance and good wear. The special 600 series stainless steel material is used in the round parts which allows for greater working loads. The side plates are "304" series stainless steel allowing increased corrosion resistance. 600 series stainless steel chains are ideal when FDA regulations are required to be met.

| Dimensions In Inches | | | | | | | | | | |
|----------------------|------------|------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| | | | | | | | | | | |
| 35 PHSS | 3/8 | .187 | .200 | .228 | .276 | .356 | .050 | .041 | 1,550 | 0.22 |
| 40 PHSS | 1/2 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.42 |
| 50 PHSS | 5/8 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 4,970 | 0.68 |
| 60 PHSS | 3/4 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 6,620 | 0.97 |
| 80 PHSS | 1 | .625 | .625 | .645 | .724 | .950 | .125 | .312 | 10,590 | 1.71 |
| C2040 PHSS | 1 | .312 | .312 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.32 |
| C2042 PHSS | 1 | .312 | .625 | .321 | .368 | .475 | .058 | .156 | 2,760 | 0.56 |
| C2050 PHSS | 1 1/4 | .375 | .400 | .399 | .455 | .594 | .079 | .200 | 4,970 | 0.54 |
| C2052 PHSS | 1 1/4 | .375 | .750 | .399 | .455 | .594 | .079 | .200 | 4,970 | 0.85 |
| C2060 PHSS | 1 1/2 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 6,620 | 0.76 |
| C2060H PHSS | 1 1/2 | .500 | .469 | .570 | .625 | .712 | .125 | .234 | 6,620 | 0.95 |
| C2062H PHSS | 1 1/2 | .500 | .875 | .570 | .625 | .712 | .125 | .234 | 6,620 | 1.42 |
| C2080H PHSS | 2 | .625 | .625 | .720 | .873 | .950 | .157 | .312 | 10,590 | 1.60 |
| C2082H PHSS | 2 | .625 | 1.130 | .720 | .873 | .950 | .157 | .312 | 10,590 | 2.31 |

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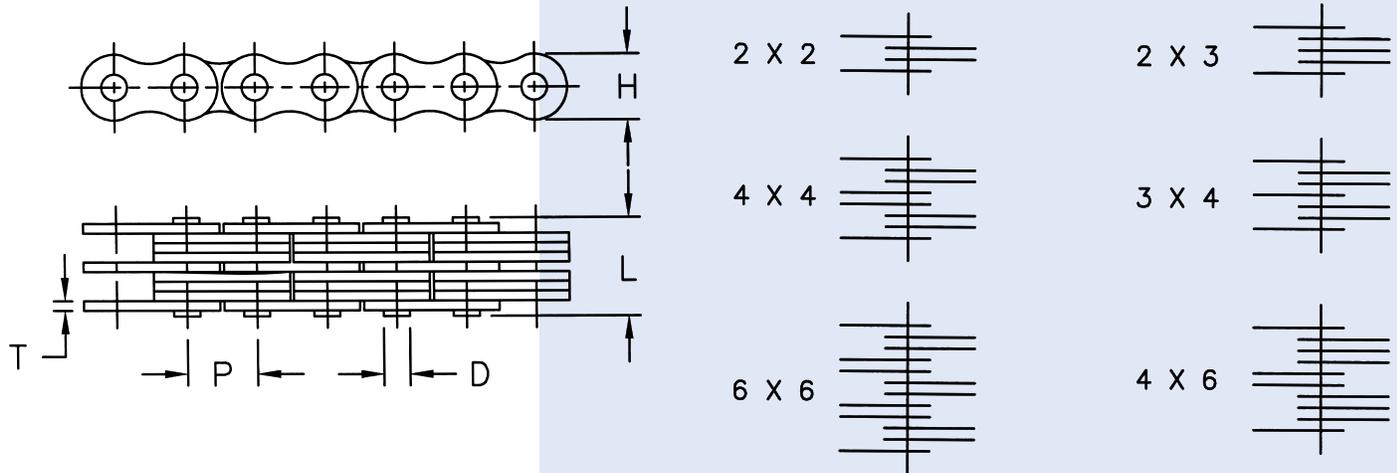
Fax: 815-288-7945

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LEAF CHAIN AL SERIES

Leaf chain consists of link plates and pins, and is used for suspension, counterweight, and transmission at low speed. Light duty leaf chain is best suited for applications where chain joints are not articulated frequently. AL series leaf chain pin link plates have the contour, pitch, and thickness of the pin link plates of the corresponding ANSI standard roller chain.

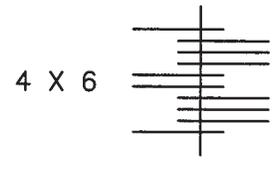
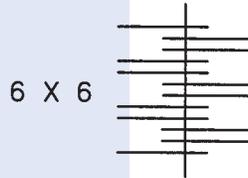
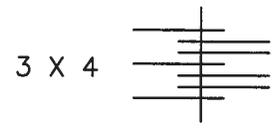
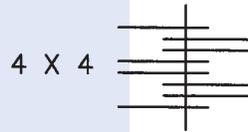
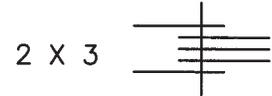
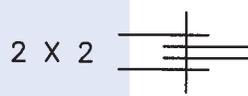
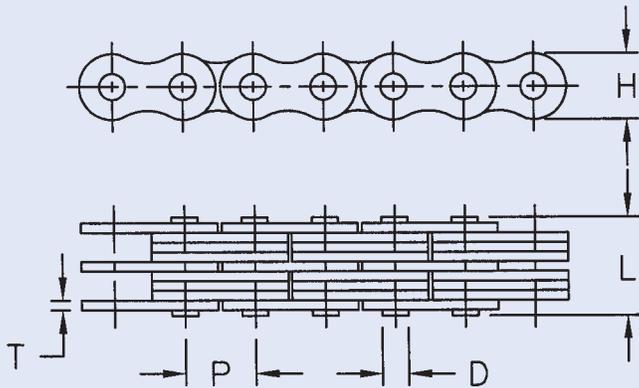


| Dimensions In Inches | | | | | | | | |
|----------------------|------------|--------|------------|-------------|----------------|---------------|-------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Lacing | Pin Length | Link Plate | | Pin Dia. E | Avg Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | | | Height H | Thickness T | | | |
| | | | | AL322 | 3/8 | | | |
| AL422 | 1/2 | 2x2 | .411 | .409 | .058 | .156 | 3,970 | 0.24 |
| AL444 | 1/2 | 4x4 | .665 | .409 | .058 | .156 | 7,940 | 0.46 |
| AL466 | 1/2 | 6x6 | .920 | .409 | .058 | .156 | 11,910 | 0.69 |
| AL522 | 5/8 | 2x2 | .520 | .513 | .079 | .200 | 6,620 | 0.39 |
| AL523 | 5/8 | 2x3 | .622 | .513 | .079 | .200 | 6,620 | 0.45 |
| AL544 | 5/8 | 4x4 | .853 | .513 | .079 | .200 | 13,230 | 0.77 |
| AL566 | 5/8 | 6x6 | 1.188 | .513 | .079 | .200 | 19,850 | 1.14 |
| AL622 | 3/4 | 2x2 | .609 | .615 | .093 | .234 | 9,270 | 0.53 |
| AL623 | 3/4 | 2x3 | .667 | .615 | .093 | .234 | 9,270 | 0.60 |
| AL644 | 3/4 | 4x4 | .985 | .615 | .093 | .234 | 18,530 | 1.03 |
| AL666 | 3/4 | 6x6 | 1.375 | .615 | .093 | .234 | 18,530 | 1.54 |
| AL688 | 3/4 | 8x8 | 1.766 | .615 | .093 | .234 | 37,050 | 2.05 |
| AL822 | 1 | 2x2 | .823 | .820 | .125 | .312 | 15,880 | 0.97 |
| AL844 | 1 | 4x4 | 1.320 | .820 | .125 | .312 | 31,760 | 1.89 |
| AL866 | 1 | 6x6 | 1.849 | .820 | .125 | .312 | 47,630 | 2.82 |
| AL888 | 1 | 8x8 | 2.377 | .820 | .125 | .312 | 63,510 | 3.74 |
| AL1022 | 1 1/4 | 2x2 | .789 | 1.025 | .157 | .375 | 22,000 | 1.80 |
| AL1044 | 1 1/4 | 4x4 | 1.627 | 1.025 | .157 | .375 | 50,720 | 3.15 |
| AL1066 | 1 1/4 | 6x6 | 2.261 | 1.025 | .157 | .375 | 74,970 | 4.70 |
| AL1088 | 1 1/4 | 8x8 | 2.899 | 1.025 | .157 | .375 | 101,430 | 6.24 |
| AL1222 | 1 1/2 | 2x2 | .953 | 1.230 | .189 | .437 | 31,700 | 2.39 |
| AL1244 | 1 1/2 | 4x4 | 1.910 | 1.230 | .189 | .437 | 65,270 | 4.19 |
| AL1266 | 1 1/2 | 6x6 | 2.680 | 1.230 | .189 | .437 | 97,910 | 6.25 |

LEAF CHAIN BL SERIES



Heavy-duty leaf chain has the contour and pitch of the roller link plates of the equivalent ANSI standard roller chain, but the side plates have the thickness of the next larger pitch ANSI standard roller chain.

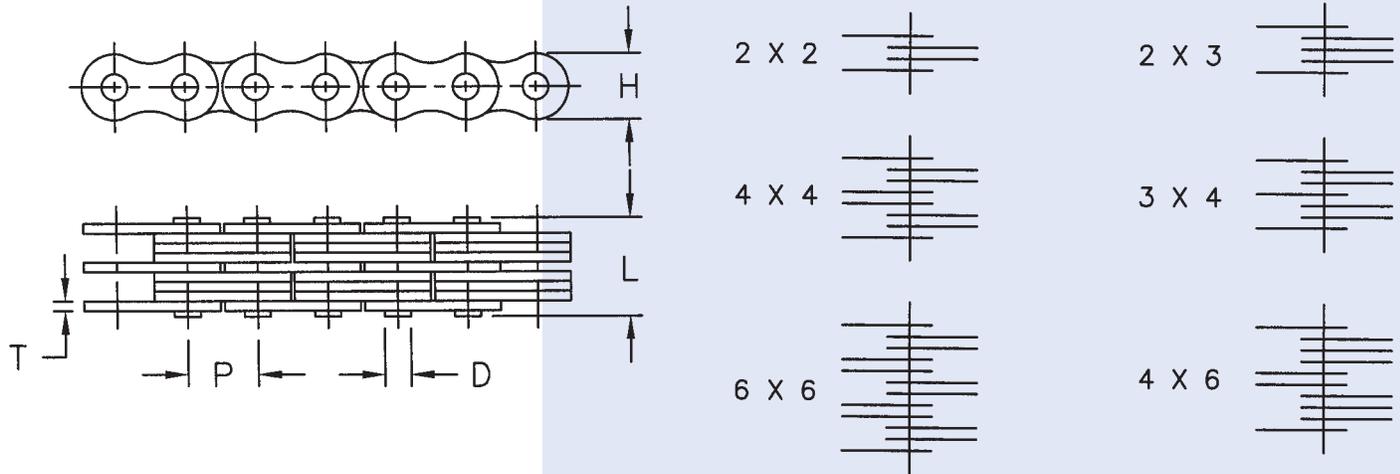


| Dimensions In Inches | | | | | | | | |
|----------------------|------------|--------|-----------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Lacing | Pin Length L | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | | | Height H | Thickness T | | | |
| BL423 | 1/2 | 2x3 | .603 | .475 | .079 | .200 | 5,960 | 0.48 |
| BL434 | 1/2 | 3x4 | .770 | .475 | .079 | .200 | 8,930 | 0.67 |
| BL444 | 1/2 | 4x4 | .854 | .475 | .079 | .200 | 11,910 | 0.76 |
| BL446 | 1/2 | 4x6 | 1.021 | .475 | .079 | .200 | 11,910 | 0.95 |
| BL466 | 1/2 | 6x6 | 1.188 | .475 | .079 | .200 | 17,870 | 1.14 |
| BL522 | 5/8 | 2x2 | .609 | .594 | .093 | .234 | 9,380 | 0.58 |
| BL523 | 5/8 | 2x3 | .699 | .594 | .093 | .234 | 9,380 | 0.71 |
| BL534 | 5/8 | 3x4 | .893 | .594 | .093 | .234 | 14,120 | 1.00 |
| BL544 | 5/8 | 4x4 | .985 | .594 | .093 | .234 | 18,750 | 1.14 |
| BL546 | 5/8 | 4x6 | 1.180 | .594 | .093 | .234 | 18,750 | 1.41 |
| BL566 | 5/8 | 6x6 | 1.375 | .594 | .093 | .234 | 28,120 | 1.69 |
| BL622 | 3/4 | 2x2 | .823 | .713 | .125 | .312 | 14,450 | 0.97 |
| BL623 | 3/4 | 2x3 | .930 | .713 | .125 | .312 | 14,450 | 1.19 |
| BL634 | 3/4 | 3x4 | 1.189 | .713 | .125 | .312 | 22,050 | 1.65 |
| BL644 | 3/4 | 4x4 | 1.320 | .713 | .125 | .312 | 29,110 | 1.88 |
| BL646 | 3/4 | 4x6 | 1.584 | .713 | .125 | .312 | 29,110 | 2.33 |
| BL666 | 3/4 | 6x6 | 1.849 | .713 | .125 | .312 | 43,660 | 2.79 |
| BL822 | 1 | 2x2 | .965 | .950 | .157 | .375 | 23,160 | 1.55 |
| BL823 | 1 | 2x3 | 1.134 | .950 | .157 | .375 | 23,160 | 1.92 |
| BL834 | 1 | 3x4 | 1.445 | .950 | .157 | .375 | 34,180 | 2.66 |
| BL844 | 1 | 4x4 | 1.627 | .950 | .157 | .375 | 46,310 | 3.04 |
| BL846 | 1 | 4x6 | 1.922 | .950 | .157 | .375 | 46,310 | 3.77 |
| BL866 | 1 | 6x6 | 2.261 | .950 | .157 | .375 | 66,150 | 4.52 |



LEAF CHAIN BL SERIES

Heavy-duty leaf chain has the contour and pitch of the roller link plates of the equivalent ANSI standard roller chain, but the side plates have the thickness of the next larger pitch ANSI standard roller chain.



| Dimensions In Inches | | | | | | | | |
|----------------------|-------------------------------|--------|-----------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Lacing | Pin Length L | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | | | Height H | Thickness T | | | |
| BL1023 | 1 ¹ / ₄ | 2×3 | 1.366 | 1.189 | .189 | .437 | 33,080 | 3.05 |
| BL1034 | 1 ¹ / ₄ | 3×4 | 1.744 | 1.189 | .189 | .437 | 49,620 | 4.23 |
| BL1046 | 1 ¹ / ₄ | 4×6 | 2.305 | 1.189 | .189 | .437 | 66,150 | 6.01 |
| BL1066 | 1 ¹ / ₄ | 6×6 | 2.680 | 1.189 | .189 | .437 | 99,230 | 7.18 |
| BL1088 | 1 ¹ / ₄ | 8×8 | 3.419 | 1.189 | .189 | .437 | 132,300 | 7.49 |
| BL1223 | 1 ¹ / ₂ | 2×3 | 1.549 | 1.425 | .219 | .500 | 44,100 | 4.20 |
| BL1234 | 1 ¹ / ₂ | 3×4 | 1.990 | 1.425 | .219 | .500 | 66,150 | 5.84 |
| BL1244 | 1 ¹ / ₂ | 4×4 | 2.212 | 1.425 | .219 | .500 | 88,200 | 6.66 |
| BL1246 | 1 ¹ / ₂ | 4×6 | 2.653 | 1.425 | .219 | .500 | 88,200 | 8.29 |
| BL1266 | 1 ¹ / ₂ | 6×6 | 3.112 | 1.425 | .219 | .500 | 132,300 | 9.93 |
| BL1434 | 1 ³ / ₄ | 3×4 | 2.231 | 1.663 | .255 | .563 | 79,380 | 7.86 |
| BL1446 | 1 ³ / ₄ | 4×6 | 2.980 | 1.663 | .255 | .563 | 105,840 | 11.17 |
| BL1466 | 1 ³ / ₄ | 6×6 | 3.493 | 1.663 | .255 | .563 | 158,760 | 13.39 |
| BL1623 | 2 | 2×3 | 1.703 | 1.898 | .281 | .687 | 79,300 | 8.17 |
| BL1634 | 2 | 3×4 | 2.299 | 1.898 | .281 | .687 | 124,500 | 11.39 |
| BL1646 | 2 | 4×6 | 3.191 | 1.898 | .281 | .687 | 158,600 | 16.19 |
| BL1666 | 2 | 6×6 | 3.785 | 1.898 | .281 | .687 | 238,300 | 19.31 |
| BL1688 | 2 | 8×8 | 5.045 | 1.898 | .281 | .687 | 313,110 | 20.17 |

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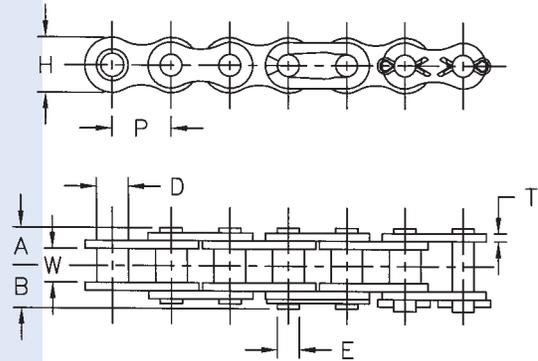
Fax: 815-288-7945

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HOIST CHAIN O-RING CHAIN CHAIN DETACHERS

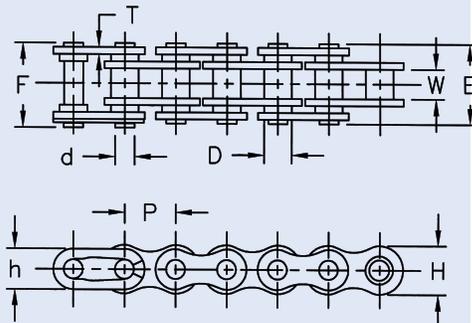


Manufactured with special pins of carbon alloy steel and through hardened, giving these chains a higher working load capacity and offering additional resistance to fatigue. Hoist chains work well for extra-capacity and slow speed hoist applications dimensionally equal to standard 50 and 60 ANSI chains, but will give less wear life than the standard equivalent size.



HOIST CHAIN

| SINGLE STRAND | | Dimensions In Inches | | | | | | | | |
|----------------|------------|----------------------|-----------|------------------------------|-------------------------------|-------------|----------------|---------------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Riv. End to Center Line A | Conn. End to Center Line B | Link Plate | | Pin Dia. E | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | Width W | Dia. D | | | Height H | Thickness T | | | |
| 50 HOIST (625) | 5/8 | .375 | .400 | .397 | .455 | .594 | .079 | .200 | 7,500 | .68 |
| 60 HOIST (750) | 3/4 | .500 | .469 | .497 | .551 | .712 | .093 | .234 | 10,500 | .97 |



O-RING CHAIN

| | | Dimensions In Inches | | | | | | | | | |
|----------------|------------|----------------------|------|------|-------|----------|------------|------|------|--------------------------------|-------------------------|
| ANSI Chain No. | Pitch P | Roller | | Pin | | | Link Plate | | | Avg. Ultimate Strength Lbs. | Avg. Weight Lbs./Ft. |
| | | W | D | d | E | F (max.) | T | H | h | | |
| 40 | 1/2 | .313 | .312 | .156 | .788 | .788 | .059 | .472 | .409 | 4,080 | 0.45 |
| 50 | 5/8 | .375 | .400 | .200 | .921 | .933 | .078 | .591 | .512 | 6,770 | 0.73 |
| 60 | 3/4 | .500 | .469 | .234 | 1.134 | 1.174 | .094 | .713 | .614 | 9,640 | 1.09 |
| 80 | 1 | .625 | .625 | .312 | 1.442 | 1.532 | .126 | .949 | .819 | 16,320 | 1.90 |



CHAIN DETACHERS

| Model | Chain Sizes |
|-----------|-------------|
| CB 35-50 | #35 to #50 |
| CB 60-100 | #60 to #100 |

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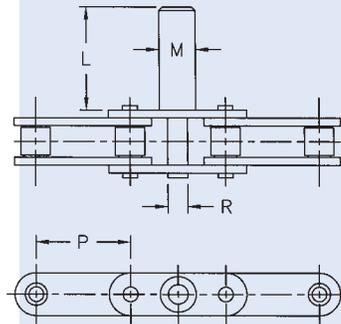
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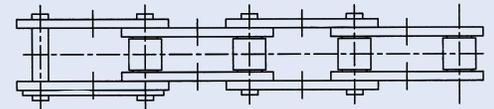
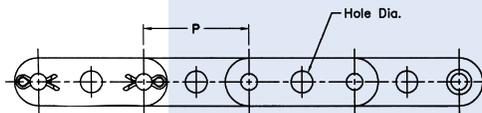


CITRUS CHAIN SORTING CHAIN CATERPILLAR CHAIN



C2060H D-5 ATTACHMENT

| Dimensions In Inches | | | | | | |
|----------------------|--------------------|-------|-------|------|------|----------------|
| ANSI No. | Attachment | Pitch | L | M | R | Weight Lbs/Ft. |
| | | P | | | | |
| C2060H | D-5 (1/2 x 1 5/8) | 1.500 | 1.626 | .500 | .310 | 1.60 |
| C2060H | D-5 (9/16 x 1 5/8) | 1.500 | 1.626 | .563 | .310 | 1.62 |
| C2060H SS | D-5 (1/2 x 1 5/8) | 1.500 | 1.626 | .500 | .310 | 1.60 |
| C2060H SS | D-5 (9/16 x 1 5/8) | 1.500 | 1.626 | .563 | .310 | 1.62 |

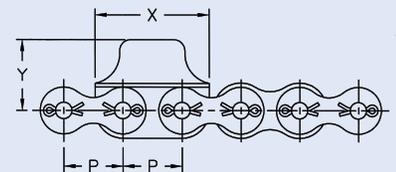


C2060H W/G1 HOLE EV. PITCH

| ANSI No. | ATTACHMENT | P | Hole Diam. | Weight Lbs./Ft. |
|----------|------------|-------|------------|-----------------|
| C2060H | G1 | 1.500 | .312 | .96 |

160 CATERPILLAR CHAIN

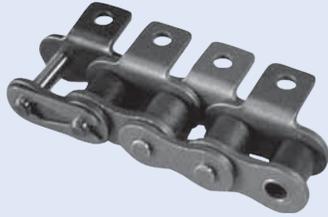
| Dimensions In Inches | | | | |
|-----------------------------------------------------------|-------|----------------|----------------|----------------|
| ANSI No. Description | Pitch | Attach. Length | Attach. Height | Weight Lbs/Ft. |
| | P | X | Y | |
| 160 Cottered w/348 DOG every 6th pitch on the roller link | 2.000 | 3.888 | 2.139 | 7.30 |
| 160 Cottered w/458 DOG every 4th pitch on the roller link | 2.000 | 3.876 | 2.391 | 8.30 |
| 160 Cottered w/678 DOG every 6th pitch on the roller link | 2.000 | 5.129 | 3.021 | 8.92 |
| 160 Cottered w/678 DOGS w/cam roller bearing | 2.000 | 5.129 | 3.021 | |



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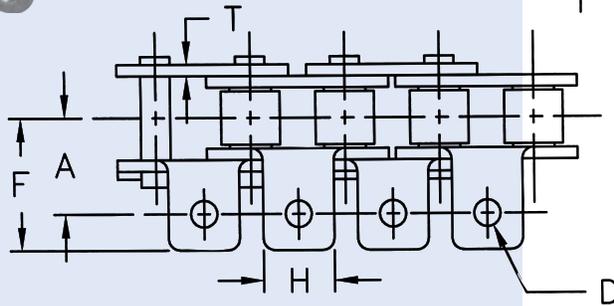
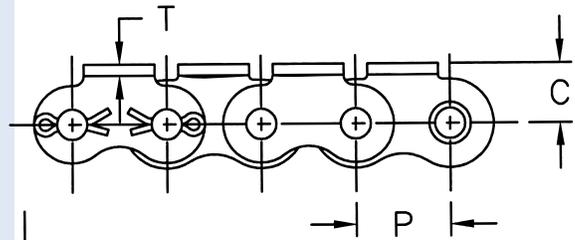
ATTACHMENTS

STANDARD BENT, ONE SIDE/TWO SIDES



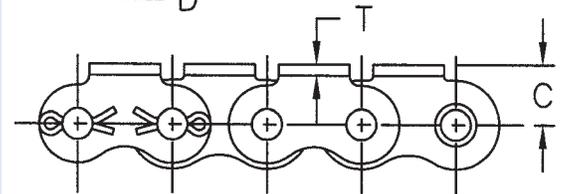
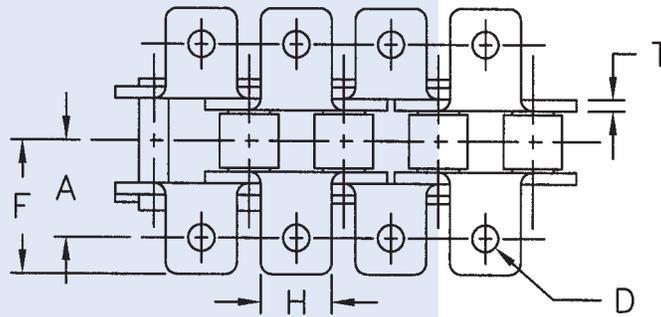
BENT, ONE SIDE

A-1, (B-1) One Hole One Side



BENT, TWO SIDES

K-1, (B-2) One Hole Two Sides



| Dimensions In Inches | | | | | | | | | |
|----------------------|-------|------------------------------|------------------------|-------------------------|------------------------|----------------------|-----------|------------------------|-----------|
| ANSI Chain No. | Pitch | A-1 | | K-1 | | From Top to Pin C.L. | Hole Dia. | Attach Extension Width | Thickness |
| | | From Hole C.L. to Chain C.L. | From End to Chain C.L. | From C.L. to Chain C.L. | From End to Chain C.L. | | | | |
| | P | A | F | A | F | C | D | H | T |
| 35* | 3/8 | .375 | .516 | .375 | .516 | .250 | .109 | .312 | .050 |
| 40 | 1/2 | .500 | .688 | .500 | .688 | .312 | .140 | .375 | .058 |
| 50 | 5/8 | .625 | .969 | .625 | .969 | .406 | .203 | .562 | .079 |
| 60 | 3/4 | .750 | 1.094 | .750 | 1.094 | .469 | .203 | .625 | .093 |
| 80 | 1 | 1.000 | 1.548 | 1.000 | 1.548 | .625 | .265 | .750 | .125 |
| 100** | 1 1/4 | 1.250 | 1.694 | 1.250 | 1.694 | .781 | .328 | 1.000 | .157 |
| 120** | 1 1/2 | 1.501 | 2.088 | 1.501 | 2.088 | .906 | .390 | 1.126 | .189 |
| 140** | 1 3/4 | 1.750 | 2.437 | 1.750 | 2.437 | 1.125 | .448 | 1.375 | .218 |
| 160** | 2 | 2.000 | 2.812 | 2.000 | 2.812 | 1.250 | .516 | 1.500 | .250 |

**Extensions are staggered on chains 100 through 160.

*Chain is rollerless.

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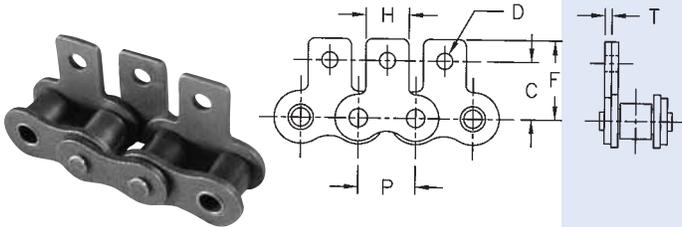
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ATTACHMENTS STANDARD STRAIGHT, ONE SIDE, TWO SIDES EXTENDED PIN

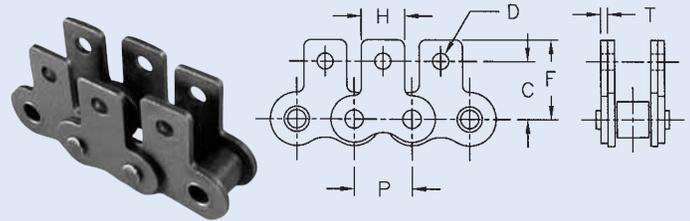
STRAIGHT, ONE SIDE

M-35, (SA-1) One Hole One Side



STRAIGHT, TWO SIDES

M-1, (SK-1) One Hole Two Sides



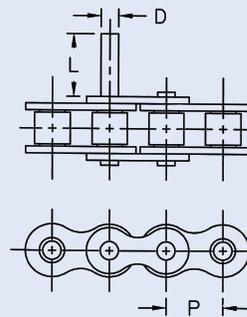
| Dimensions In Inches | | | | | | |
|----------------------|-------|----------------------------|-----------|----------------------|-----------------|-----------|
| ANSI Chain No. | Pitch | From Hole C.L. to Pin C.L. | Hole Dia. | From Top to Pin C.L. | Extension Width | Thickness |
| | P | C | D | F | H | T |
| 35* | 3/8 | .375 | .109 | .531 | .312 | .050 |
| 40 | 1/2 | .500 | .140 | .687 | .375 | .058 |
| 50 | 5/8 | .625 | .203 | .963 | .562 | .079 |
| 60 | 3/4 | .719 | .203 | 1.031 | .625 | .093 |
| 80 | 1 | .969 | .265 | 1.339 | .750 | .125 |
| 100 | 1 1/4 | 1.250 | .328 | 1.649 | 1.000 | .157 |
| 120 | 1 1/2 | 1.439 | .390 | 1.959 | 1.126 | .189 |
| 140 | 1 3/4 | 1.750 | .448 | 2.437 | 1.375 | .218 |
| 160 | 2 | 2.000 | .516 | 2.750 | 1.500 | .250 |

*Chain is rollerless.

EXTENDED PIN, D-1 & D-3

| Dimensions In Inches | | | |
|----------------------|-------|----------|----------------|
| ANSI Chain No. | Pitch | Pin Dia. | Pin Projection |
| | P | D | L |
| 35* | 3/8 | .141 | .375 |
| 40 | 1/2 | .156 | .375 |
| 50 | 5/8 | .200 | .469 |
| 60 | 3/4 | .234 | .562 |
| 80 | 1 | .312 | .750 |
| 100 | 1 1/4 | .375 | .938 |
| 120 | 1 1/2 | .437 | 1.126 |
| 140 | 1 3/4 | .500 | 1.312 |
| 160 | 2 | .562 | 1.500 |

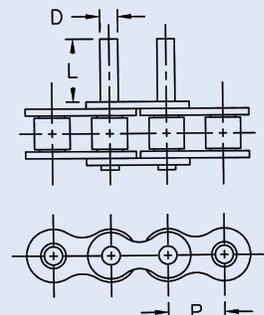
*Chain is rollerless.



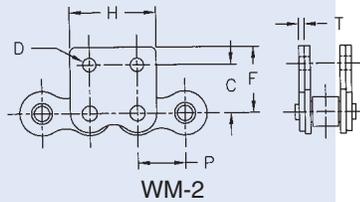
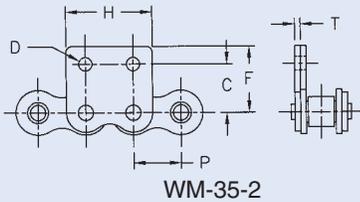
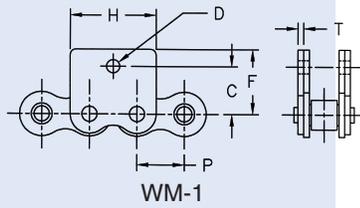
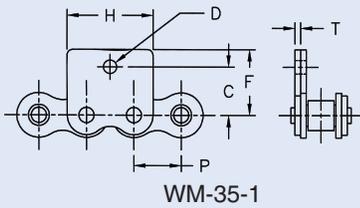
D-1, Single Pin One Side



D-3, Double Pin One Side



ATTACHMENTS WIDE CONTOUR



STRAIGHT, ONE SIDE

- WM-35-1, One Side
One Hole
- WM-35-2, One Side
Two Holes

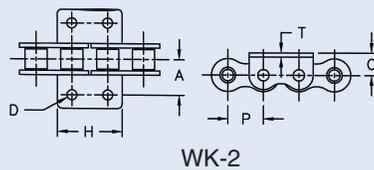
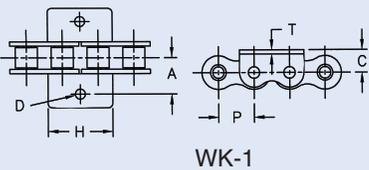
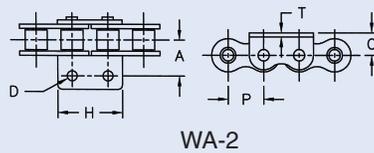
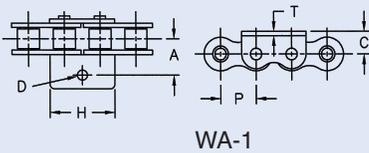
STRAIGHT, TWO SIDES

- WM-1, Two Sides
One Hole
- WM-2, Two Sides
Two Holes

Dimensions In Inches

| ANSI Chain No. | Pitch | From Hole C.L. to Pin C.L. | Hole Dia. | From Top to Pin C.L. | Extension Width | Thickness |
|----------------|-------|----------------------------|-----------|----------------------|-----------------|-----------|
| | P | C | D | F | H | T |
| 35* | 3/8 | .375 | .109 | .578 | .722 | .050 |
| 40 | 1/2 | .500 | .140 | .681 | .910 | .058 |
| 50 | 5/8 | .625 | .203 | .969 | 1.131 | .079 |
| 60 | 3/4 | .719 | .203 | 1.028 | 1.428 | .093 |
| 80 | 1 | .969 | .265 | 1.349 | 1.916 | .125 |

*Chain is rollerless.



BENT, ONE SIDE

- WA-1, One Side
One Hole
- WA-2, One Side
Two Holes

BENT, TWO SIDES

- WK-1, Two Sides
One Hole
- WK-2, Two Sides
Two Holes

Dimensions In Inches

| ANSI Chain No. | Pitch | From Hole C.L. to Chain C.L. | From Top to Pin C.L. | Hole Dia. | Extension Width | Thickness |
|----------------|-------|------------------------------|----------------------|-----------|-----------------|-----------|
| | P | A | C | D | H | T |
| 35* | 3/8 | .375 | .250 | .109 | .722 | .050 |
| 40 | 1/2 | .500 | .312 | .140 | .910 | .058 |
| 50 | 5/8 | .625 | .406 | .203 | 1.131 | .079 |
| 60 | 3/4 | .750 | .469 | .203 | 1.428 | .093 |
| 80 | 1 | 1.000 | .625 | .265 | 1.916 | .125 |

*Chain is rollerless.



ATTACHMENTS

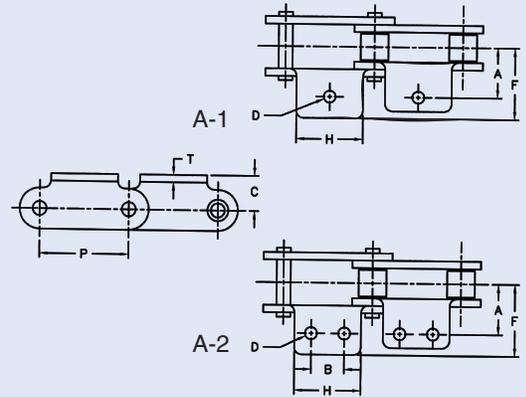
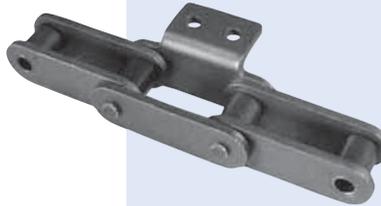
DOUBLE PITCH BENT, ONE SIDE/TWO SIDES

BENT, ONE SIDE

A-1, One Side
One Hole



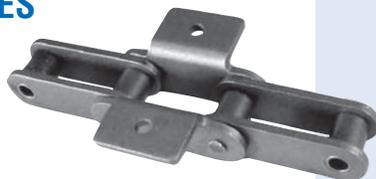
A-2, One Side
Two Holes



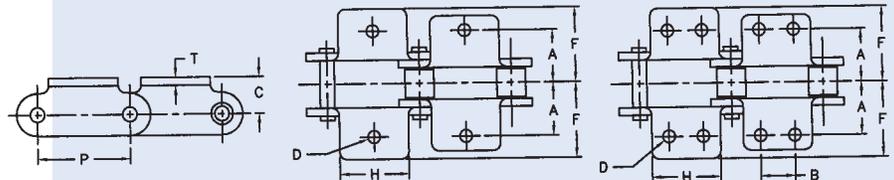
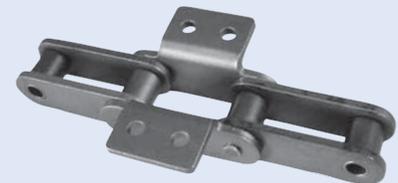
| Dimensions In Inches | | | | | | | | | |
|------------------------|-------------------------|------------|-----------------------------------------|----------------------------------------|---------------------------------|-------------------|------------------------------------|-------------------------|----------------|
| ANSI Chain No. | | Pitch P | From Hole C.L. to Chain C.L. A | From Hole C.L. to Hole C.L. B | From Top to Pin C.L. C | Hole Dia. D | From End to Chain C.L. F* | Extension Width H | Thickness T |
| Standard Roller | Large Size Roller | | | | | | | | |
| BENT, ONE SIDE | | | | | | | | | |
| C2040 | C2042 | 1 | .500 | .375 | .359 | .140 | .742 | .750 | .058 |
| C2050 | C2052 | 1 1/4 | .625 | .469 | .438 | .203 | .945 | 1.000 | .079 |
| C2060H | C2062H | 1 1/2 | .844 | .562 | .578 | .203 | 1.204 | 1.126 | .125 |
| C2080H | C2082H | 2 | 1.094 | .750 | .750 | .265 | 1.516 | 1.501 | .157 |
| C2100H* | C2102H | 2 1/2 | 1.312 | .938 | .922 | .328 | 1.966 | 1.876 | .189 |
| C2120H* | C2122H | 3 | 1.562 | 1.126 | 1.094 | .390 | 2.391 | 2.251 | .219 |
| C2160H* | C2162H | 4 | 2.063 | 1.501 | 1.439 | .521 | 3.159 | 2.966 | .281 |
| BENT, TWO SIDES | | | | | | | | | |
| C2040 | C2042 | 1 | .500 | .375 | .359 | .140 | .742 | .750 | .058 |
| C2050 | C2052 | 1 1/4 | .625 | .469 | .438 | .203 | .945 | 1.000 | .079 |
| C2060H | C2062H | 1 1/2 | .844 | .562 | .578 | .203 | 1.204 | 1.126 | .125 |
| C2080H | C2082H | 2 | 1.094 | .750 | .750 | .265 | 1.516 | 1.501 | .157 |
| C2100H* | C2102H | 2 1/2 | 1.312 | .938 | .922 | .328 | 1.966 | 1.876 | .189 |
| C2120H* | C2122H | 3 | 1.562 | 1.126 | 1.094 | .390 | 2.391 | 2.251 | .219 |
| C2160H* | C2162H | 4 | 2.063 | 1.501 | 1.439 | .521 | 3.159 | 2.966 | .281 |

BENT, TWO SIDES

K-1, Two Sides
One Hole



K-2, Two Sides
Two Holes



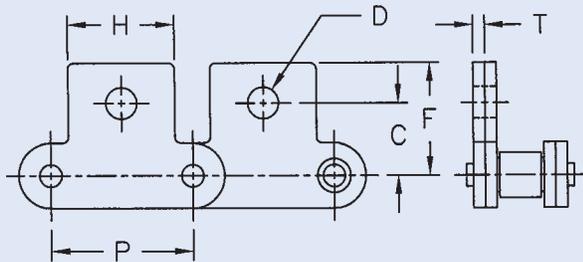
*Extensions are staggered on chains C2100H, C2120H and C2160H.

ATTACHMENTS

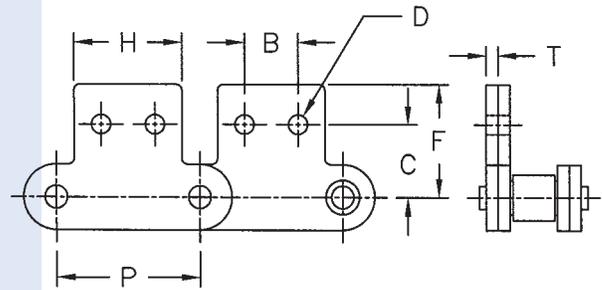
DOUBLE PITCH STRAIGHT, ONE SIDE



M-35-1, One Side
One Hole



M-35-2, One Side
Two Holes



Dimensions In Inches

| ANSI Chain No. | | M-35-1 | | M-35-2 | | | From Top to Pin C.L. | Extension Width | Thickness | |
|-----------------|-------------------|--------|----------------------------|-----------|-----------------------------|-----------------------|----------------------|-----------------|-----------|-----------|
| Standard Roller | Large Size Roller | Pitch | From Hole C.L. to Pin C.L. | Hole Dia. | From Hole C.L. to Hole C.L. | From C.L. to Pin C.L. | | | | Hole Dia. |
| | | P | C | D | B | C | D | F | H | T |
| C2040 | C2042 | 1 | .438 | .203 | .375 | .531 | .140 | .759 | .750 | .058 |
| C2050 | C2052 | 1 1/4 | .562 | .250 | .469 | .625 | .203 | .969 | 1.000 | .079 |
| C2060H | C2062H | 1 1/2 | .688 | .328 | .562 | .750 | .203 | 1.172 | 1.126 | .125 |
| C2080H | C2082H | 2 | .875 | .390 | .750 | 1.000 | .265 | 1.501 | 1.501 | .157 |
| C2100H | C2102H | 2 1/2 | 1.126 | .516 | .938 | 1.250 | .328 | 1.985 | 1.876 | .189 |
| C2120H | C2122H | 3 | 1.312 | .578 | 1.126 | 1.470 | .390 | 2.361 | 2.251 | .219 |
| C2160H | C2162H | 4 | 1.751 | .766 | 1.501 | 2.001 | .521 | 3.027 | 2.966 | .281 |

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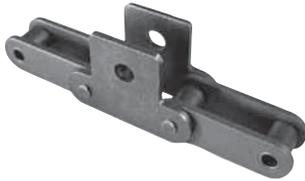


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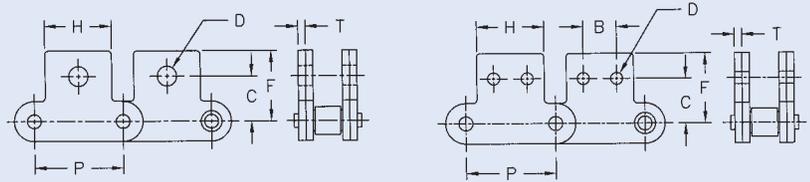
DOUBLE PITCH STRAIGHT, TWO SIDES EXTENDED PIN

STRAIGHT, TWO SIDES

M-1, Two Sides
One Hole



M-2, Two Sides
Two Holes

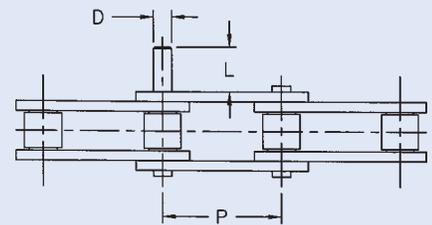


| ANSI Chain No. | | Dimensions In Inches | | | | | | | | |
|-----------------|-------------------|----------------------|---------------------------------|----------------|----------------------------------|----------------------------|----------------|---------------------------|----------------------|----------------|
| Standard Roller | Large Size Roller | Pitch P | M-1 | | M-2 | | | From Top to Pin C.L. F | Extension Width H | Thickness T |
| | | | From Hole C.L. to Pin C.L. C | Hole Dia. D | From Hole C.L. to Hole C.L. B | From C.L. to Pin C.L. C | Hole Dia. D | | | |
| C2040 | C2042 | 1 | .438 | .203 | .375 | .531 | .140 | .759 | .750 | .058 |
| C2050 | C2052 | 1 1/4 | .562 | .250 | .469 | .625 | .203 | .969 | 1.000 | .079 |
| C2060H | C2062H | 1 1/2 | .688 | .328 | .562 | .750 | .203 | 1.172 | 1.126 | .125 |
| C2080H | C2082H | 2 | .875 | .390 | .750 | 1.000 | .265 | 1.501 | 1.501 | .157 |
| C2100H | C2102H | 2 1/2 | 1.126 | .516 | .938 | 1.250 | .328 | 1.985 | 1.876 | .189 |
| C2120H | C2122H | 3 | 1.312 | .578 | 1.126 | 1.470 | .390 | 2.361 | 2.251 | .219 |
| C2160H | C2162H | 4 | 1.751 | .766 | 1.501 | 2.001 | .521 | 3.027 | 2.966 | .281 |

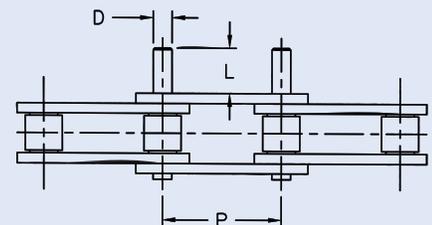
EXTENDED PIN

| Dimensions In Inches | | | | |
|----------------------|-------------------|------------|---------------|---------------------|
| ANSI Chain No. | | Pitch P | Pin Dia. D | Pin Projection L |
| Standard Roller | Large Size Roller | | | |
| C2040 | C2042 | 1 | .156 | .375 |
| C2050 | C2052 | 1 1/4 | .200 | .469 |
| C2060H | C2062H | 1 1/2 | .234 | .562 |
| C2080H | C2082H | 2 | .312 | .750 |
| C2100H | C2102H | 2 1/2 | .375 | .930 |
| C2120H | C2122H | 3 | .437 | 1.126 |
| C2160H | C2162H | 4 | .563 | 1.501 |

D-1, Single Pin
One Side



D-3, Double Pin
One Side



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Fig. 1

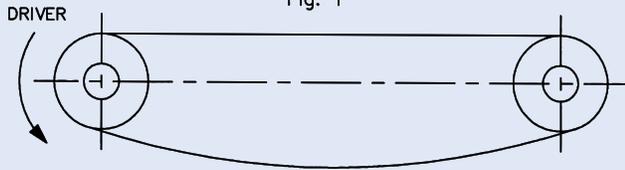
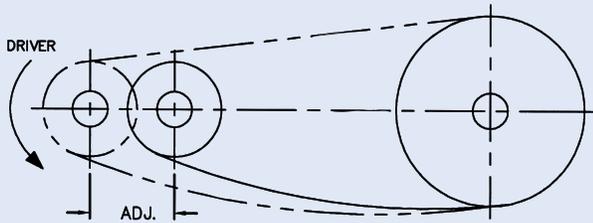


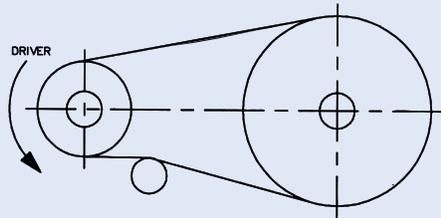
Fig. 1

Setup: Horizontal; slack lower strand.

Problem: Normal chain wear causes loss of tension.



Solution No. 1: (middle diagram) Make one shaft position adjustable, to allow wear compensation.



Solution No. 2: (lower diagram) Add idler sprocket for wear compensation.

Information on the following pages will help in designing roller chain drives for a wide range of applications.

All chains listed in this catalog are for power transmission and conveying applications only. They are not intended for use on hand or electrically operated hoists or motorcycles.

Drive Arrangements

Before considering individual drive components, it is necessary to select the overall drive arrangement. The accompanying diagrams show various arrangements, starting with the most desirable horizontal setup (Figure 1).

For maximum chain life, provisions should be made to take up slack caused by normal chain wear.

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DRIVE ARRANGEMENTS

The following depictions are arrangements that may be necessary due to application realities (restricted installation space, fixed positions of driving and driven members, etc.). Each setup has its drawbacks, which should be recognized.

Fig. 2

Setup: Inclined; slack lower strand.
Problem: Possible insufficient engagement at lower sprocket.
Solution: Increase initial chain tension.

Fig. 2

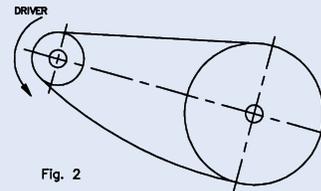


Fig. 3

Setup: Horizontal; slack upper strand; sprockets far apart.
Problem: Upper strand may drag on lower.
Solution: Support slack strand with idler sprockets.

Fig. 3

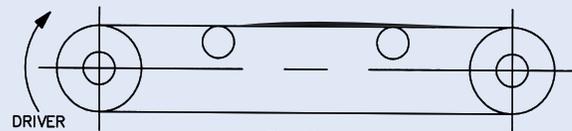


Fig. 4

Setup: Horizontal; high-speed drive; sprockets far apart.
Problem: Slack strand may pulsate or whip.
Solution: Dampen whip with idler sprockets.

Fig. 4

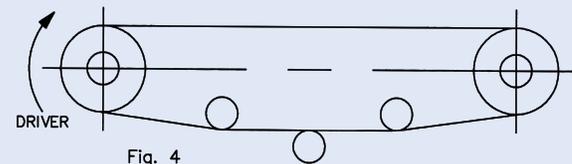


Fig. 5

Setup: Horizontal; slack upper strand.
Problem: Drive sprocket may kick out of engagement.
Solution: Increase chain wrap and tension with idler sprocket.

Fig. 5

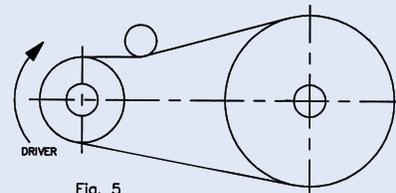
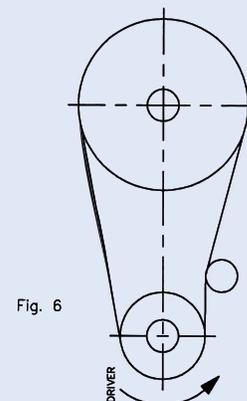


Fig. 6

Setup: Vertical; small sprocket at bottom.
Problem: Through normal wear and elongation, chain disengages from bottom sprocket.
Solution: Increase chain wrap and tension with idler sprocket.

Fig. 6



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Stress Corrosion

Stress Corrosion and Hydrogen Embrittlement

These closely related failures are similar in appearance and nature. They appear as cracks which initiate at the point of highest stress and tend to extend in an arc-like path parallel to the rolling grain of the material. Often, more than one crack will appear on a side plate.

This type of failure can be caused by operating in an acidic or caustic medium or atmosphere. Carbon steel and certain grades of stainless steel are subject to stress corrosion cracking when exposed to a corrosive environment. Also, exposure of carbon steel chain to moisture can lead to rusting and stress corrosion cracking.

The reactions of many chemical agents with metals liberate hydrogen, which attacks and weakens the metal grain structure.

If stress corrosion failure occurs, check the installation to see if the chain is exposed to chemicals, gases, moisture, or other possible causes. If the chain has been cleaned with a detergent solution, the detergent could be at fault. For cleaning purposes, use only detergent-free fluids. Never use acids, such as in acid bath degreasing.



Fatigue Failure



Bushing Fatigue

Fatigue Failure

Fatigue failures are a result of repeated cyclic loading beyond the chain's endurance limit, or rated capacity. Extent of the overload and frequency of its occurrence are factors which determine when fatigue will occur. The overloading can be continuous or intermittent.

Continuous overloading may be caused by worn teeth or pocket buildup, imposing overloads with each cycle. Impulse overloads can be from motor overload torque, dynamic overloading due to sudden stops, or impact loading on conveyors.

Generally, a fatigue crack starts at the point of highest stress, which is the aperture of the pin or bushing plate. Repeated cyclic stresses cause the crack to extend approximately perpendicular to the pitch line of the chain until the plate breaks. Unlike a pure tension failure, there is no noticeable yielding (stretch) of the material.

When fatigue failure occurs, the application should be examined for continuous or impulse overloading conditions. Determine the cause of the overload and eliminate it if possible. (Be sure to check sprockets for worn teeth or pocket buildup.) If the cause cannot be eliminated, determine the extent of the overload and increase chain size (capacity) to accommodate the operating conditions.

Bushing fatigue is another type of fatigue failure. Such fatigue manifests itself as circumferential cracks near the bushing link plate or longitudinally along the length of the bushing. Both types of cracks may also appear in the same bushing. If bushing cracks are evident, do not try to repair the chain. Determine and correct the cause of the failure, then replace the entire chain.

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CHAIN CARE & TROUBLE SHOOTING

Tension Failure

This type of failure occurs when the ultimate tensile strength of a chain is exceeded (when the chain is subjected to a one-time load greater than it can withstand). Normally, tension failure can be identified by fractured side plates showing a definite yield in the metal itself.

Pin fracture, either near the center of the pin or a pin shear failure between the side plates, can also be a result of tension failure. When a chain breaks because of shocks or overloads, all of its components are affected, even though the unbroken parts may appear sound. To avoid repetitive failures, the entire chain should be replaced.

Tension failures can result from any condition which creates improper engagement between links and sprockets, characterized by the chain riding up on the sprocket teeth.

In addition, dirt and foreign matter buildup in the sprocket tooth pockets will prevent proper seating of the chain, creating an overload condition between link and tooth. Sprockets should be checked periodically; if any foreign material has accumulated, it should be promptly removed.

Another variation of tension failure is cracked bushings. In applications contaminated by dirt or grit, abrasive material may penetrate the links. When it reaches the inside and outside bushing surfaces, this material literally grinds into the bushings during articulation, reducing their wall thickness and lowering chain tensile strength. Eventually the bushings crack under load.

Galling (Abnormal Wear)

Galling, or the tearing away of metal particles from the load-bearing surfaces, occurs as a result of inadequate lubrication or excessive operating speed. The mating surfaces of the pins and bushings actually weld together, then break away as the joints flex over the sprockets. Once started, galling accelerates rapidly and is highly destructive.

Galling can occur at high speed (within allowable speed limits) if lubrication is inadequate or misdirected. Check lubrication system to be sure that: a) proper type of lubricant is being used; b) lubricant flow is not obstructed; c) lubricant is penetrating chain joints.

Galling at speeds beyond allowable limits cannot be solved by lubrication changes. It can be prevented only by making necessary design changes to comply with speed limitations.

Importance of Lubrication

One of the most important, but overlooked, factors affecting chain life is proper lubrication. Besides minimizing metal-to-metal contact, lubrication provides cooling and impact damping at high speeds. It also reduces corrosion and carries away foreign matter, which is vital in abrasive environments.

Pin Galling



Side Plate Fracture Due to Tension Failure



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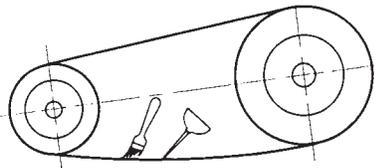
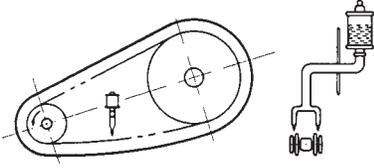
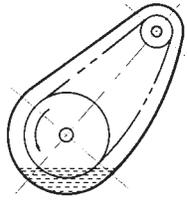
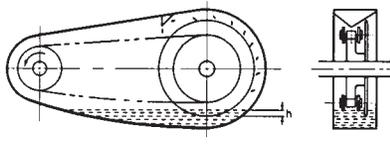
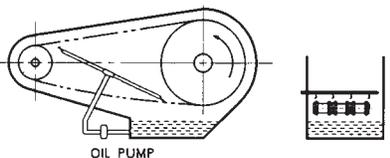
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CHAIN CARE & TROUBLE SHOOTING



Lubrication plays an important role for chain life because chain wear and its stretch results from friction in the area between pin and bushing. Proper lubrication is necessary to reduce metal to metal contact and interference at chain joints.

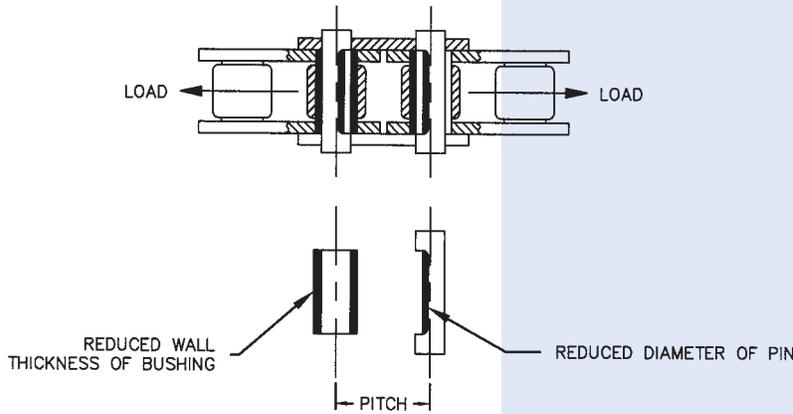
Method and amount of lubrication

| Type | Method | Amount |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A |  <p>Apply oil with a brush or spout can aiming at clearance between pins and roller links on the slack side of chain in operation.</p> | <p>periodically to keep chain joints from drying (generally about every 8 hours)</p> <p>at a rate of 5 to 20 drops per minute for each strand of chain, the higher the speed the more the drops per minute.</p> |
| |  <p>Drip lubrication Use simple casing and apply oil drops from a drip cup.</p> | |
| B |  <p>Oil bath lubrication Chain runs through an oil reservoir kept in leak-proof casing.</p> | <p>too much oil kept in reservoir (if h dimension is too high) can generate heat in oil and deteriorate its quality, therefore oil level should be kept in such a way as to maintain h dimension to be about 6 to 12mm.</p> <p>Oil level should be kept lower than chain lowest point to maintain h dimension to be about 12 to 25mm</p> |
| |  <p>Slinger disc lubrication Oil disc mounted on lower sprocket picks up oil from the oil reservoir kept in leak-proof casing and splashes it on chain. Disc should run at rim speed of more than 200 meters per minute. If chain width exceeds 125mm, oil disc should be used on both sides of chain.</p> | |
| C |  <p>Forced lubrication Oil pump is used to force continuous spray of oil after cooling to chain within a leak-proof casing. No. of spray oil holes should be $N+1$ if the number of chain strand is N.</p> | |

In all types of lubrication, roller chain should be cleaned periodically using light oil or gasoline. In order to see if lubrication is performed satisfactorily, remove chain from drive and check its pin and bushing. If pin and bushing show flaking or being colored to red or dark brown, poor lubrication generally exists.



CHAIN CARE & TROUBLE SHOOTING



Bushing and Pin Wear Surfaces

Excessive Wear

If the load-bearing surfaces show discoloration (brown-red oxide), lubrication is insufficient. Fretting corrosion has set in, and the abrasive oxide produced will greatly increase the wear rate. Among other causes of excessive wear are:

- **Tight Chain**—insufficient sag in the slack strand. Lessen idler tension or distance between sprockets until slack is 2% to 3% of the sprocket center-to-center distance.
- **Excessive Slack**—chain whips and creates noise. Adjust idlers or sprocket distances for proper slack.
- **Worn or Misaligned Sprockets**—can cause chain overloads and accelerate the wear rate. Replace sprockets when teeth show excessive wear or are hook-shaped.

Proper sprocket size is also important to minimize the wear rate. Use sprockets with a minimum of fifteen teeth for smoothest operation and longest life. The fewer teeth there are in a sprocket, the greater the wear rate because of the high angle of articulation.

Normal Wear

Wear normally takes place in the pin and bushing load-bearing areas. As they wear, the chain gradually elongates. The rate of chain wear is greatly affected by lubrication. When properly lubricated, load-bearing surfaces of the pin and bushing will look shiny and smooth.

Tips on Trouble Shooting Chain Life Expectancy

Chain life expectancy can be expressed as a maximum percent of elongation. When using up to 67-tooth sprockets, normal life expectancy is approximately 3% elongation. Thus, to avoid sudden tension failure, chain should be replaced when its length increases 0.36" per foot on the average. When using sprockets with over 67 teeth, life expectancy is reduced in relationship to the following formula: permissible chain elongation = $\frac{200}{N}$

where N is the number of teeth in the larger sprocket.

$$\text{Example } \frac{200}{N} = 1.8\%$$

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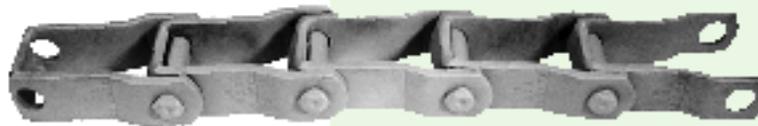
CHAIN CARE & TROUBLESHOOTING

| Problem | Possible Causes | What To Do |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Excessive noise | <ul style="list-style-type: none"> ■ Misalignment of sprocket ■ Loose casings or bearings ■ Too little or too much slack ■ Chain and/or sprocket wear ■ Inadequate lubrication or no lubrication ■ Chain pitch size too large | <ul style="list-style-type: none"> ■ Realign sprockets and shafts ■ Tighten set-bolts ■ Adjust center or idler take-up ■ Replace chain and/or sprocket ■ Lubricate properly ■ Check chain drive recommendation |
| Chain vibration | <ul style="list-style-type: none"> ■ Resonance to the vibration cycle of machine to be installed ■ High load fluctuation | <ul style="list-style-type: none"> ■ Change vibration cycle of chain or machine ■ Use torque converter or fluid coupling |
| Wear on inside of link plate and one side of sprocket teeth | <ul style="list-style-type: none"> ■ Misalignment | <ul style="list-style-type: none"> ■ Realign sprockets and shafts |
| Chain climbs sprockets | <ul style="list-style-type: none"> ■ Excessive chain slack ■ Heavy overload | <ul style="list-style-type: none"> ■ Adjust center or idler take-up ■ Reduce load or install stronger chain |
| Broken pins, bushings or rollers | <ul style="list-style-type: none"> ■ Chain speed too high for pitch and sprocket size ■ Heavy shock or suddenly applied loads ■ Material build-up in sprocket tooth pockets ■ Inadequate lubrication ■ Chain or sprocket corrosion | <ul style="list-style-type: none"> ■ Use shorter pitch chain or install larger diameter sprockets ■ Reduce shock load or install stronger chain ■ Remove material build-up or install side gashed sprockets ■ Lubricate properly ■ Install anti-corrosive chain or sprockets |
| Chain clings to sprocket | <ul style="list-style-type: none"> ■ Center distance too big or high load fluctuation ■ Excessive chain slack | <ul style="list-style-type: none"> ■ Adjust the center distance or install idler take-up ■ Same as above |
| Chain gets stiff | <ul style="list-style-type: none"> ■ Misalignment ■ Inadequate lubrication ■ Corrosion ■ Excessive load ■ Material build-up in chain joint ■ Peening of link plate edges | <ul style="list-style-type: none"> ■ Realign sprockets and shafts ■ Lubricate properly ■ Replace with anti-corrosive chain ■ Reduce load or replace with chain of suitable strength ■ Shield drive from foreign matter ■ Check for chain interference |
| Breakage of link plate | <ul style="list-style-type: none"> ■ Subjected to shock load ■ Vibration ■ Moment of load inertia is too big | <ul style="list-style-type: none"> ■ Reduce shock (e.g., install a shock absorber) ■ Install a device to absorb vibration (e.g., tightener, idler wheel) ■ Chain section should be checked (increase number of strands or select next larger size chain) |



AGRICULTURAL CHAIN

| | Pages |
|---------------------------|-------|
| Agricultural Roller Chain | 38-49 |
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| T-Rod Chain | 62 |



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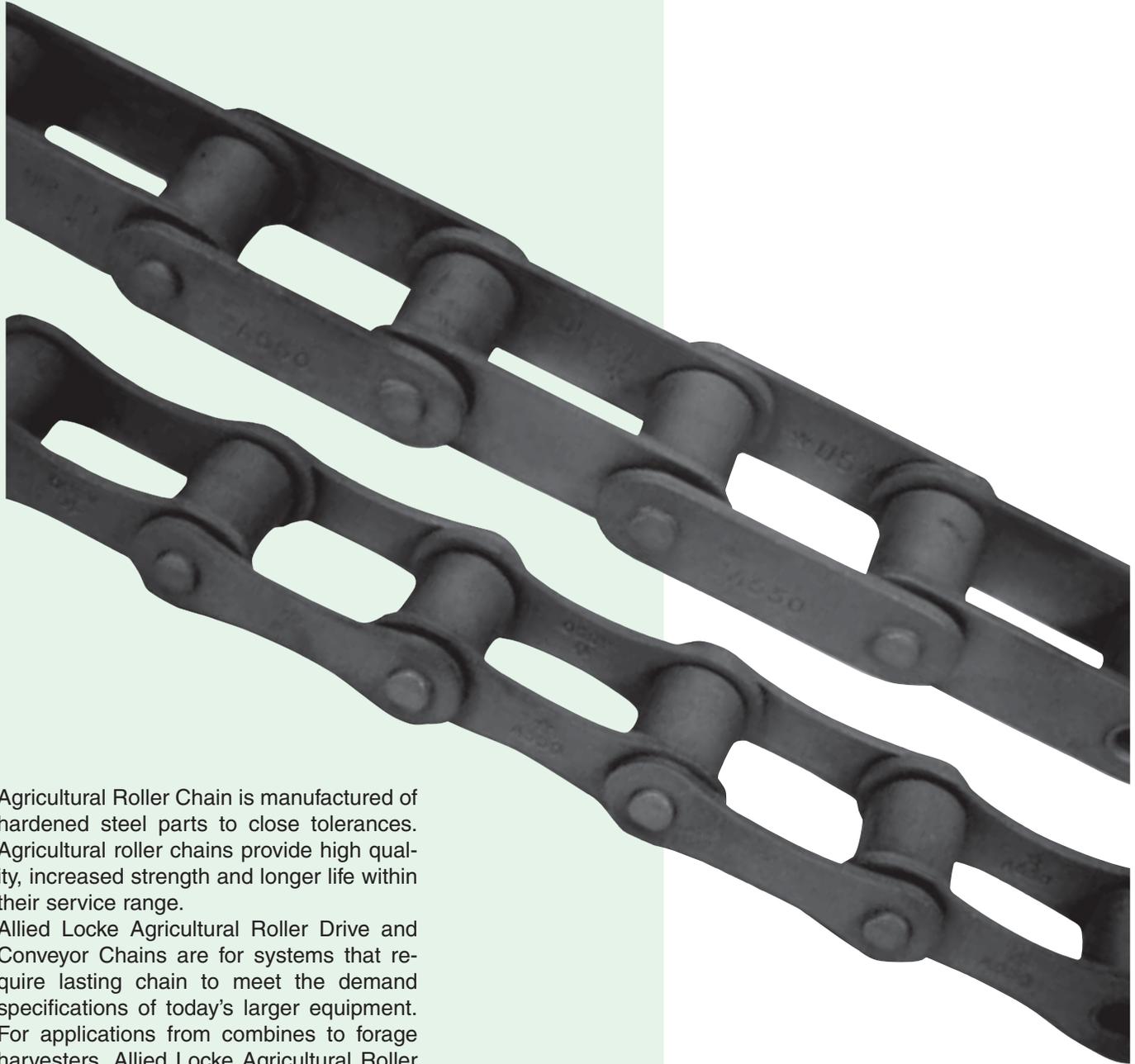
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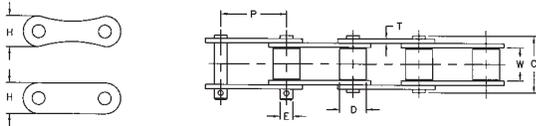


AGRICULTURAL ROLLER CHAIN

DRIVE CHAIN—A550, A555, A557 & A620



CONVEYOR CHAIN—CA550, CA555, CA557 & CA620



| Chain Size | Pitch | Roller | | Overall Width C | | Link Plate | | Pin Diam. E | Adv. Ultimate Strength Lbs. |
|---------------------------|----------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|----------------------------------|---------|-------------|-----------------------------|
| | | W Width | D Diam. | Riv. | Cott. | Height H | Thick T | | |
| DRIVE SERIES A | P | | | | | | | | |
| A550 | 1.63 | 5 ¹ / ₆₄ | .656 | 1 ³ / ₈ | 1 ⁹ / ₁₆ | 3 ⁴ / ₄ | .105 | .281 | 11,250 |
| A555 | 1.63 | 1 ¹ / ₂ | .656 | 1 ¹¹ / ₆₄ | 1 ¹ / ₄ | 3 ⁴ / ₄ | .125 | .281 | 11,250 |
| A557 | 1.63 | 5 ¹ / ₆₄ | .700 | 1 ¹⁵ / ₃₂ | 1 ¹⁹ / ₃₂ | 29 ³² / ₃₂ | .125 | .315 | 16,500 |
| A620 | 1.654 | 6 ³ / ₆₄ | .696 | 1 ⁴¹ / ₆₄ | 1 ²⁷ / ₃₂ | 3 ⁴ / ₄ | .125 | .281 | 12,000 |
| CONVEYOR SERIES CA | | | | | | | | | |
| CA550 | 1.63 | 5 ¹ / ₆₄ | .656 | 1 ³ / ₈ | 1 ⁹ / ₁₆ | 3 ⁴ / ₄ | .105 | .281 | 11,250 |
| CA550HD | 1.63 | 5 ¹ / ₆₄ | 2 ¹ / ₃₂ | 1 ³³ / ₆₄ | 1 ¹⁹ / ₃₂ | 13 ¹⁶ / ₁₆ | .120 | .316 | 15,250 |
| CA555 | 1.63 | 1 ¹ / ₂ | .656 | 1 ¹¹ / ₆₄ | 1 ¹ / ₄ | 3 ⁴ / ₄ | .125 | .281 | 11,250 |
| CA557 | 1.63 | 5 ¹ / ₆₄ | .700 | 1 ¹⁵ / ₃₂ | 1 ¹⁹ / ₃₂ | 29 ³² / ₃₂ | .125 | .315 | 16,500 |
| CA620 | 1.654 | 6 ³ / ₆₄ | .696 | 1 ⁴¹ / ₆₄ | 1 ²⁷ / ₃₂ | 3 ⁴ / ₄ | .125 | .281 | 12,000 |

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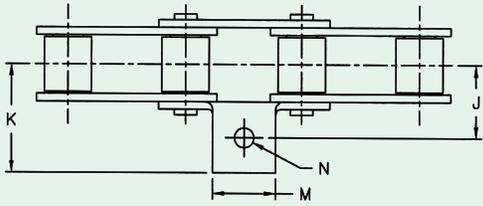
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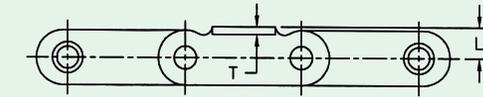
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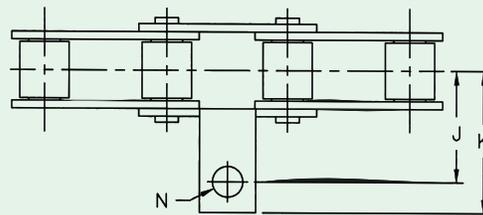


A1-A1S-A1W-A29

| Dimensions | | | | | | | |
|------------|----------------|---------------------------------|---------------------------------|-------|-------------------------------|-------|------|
| Chain Size | Attachment No. | J | K | L | M | N | T |
| CA550 | A1 | 1 | 1 ³¹ / ₆₄ | 27/64 | 7/8 | 17/64 | .105 |
| CA620 | A1 | 1 ³¹ / ₆₄ | 1 ⁹ / ₁₆ | 29/64 | 7/8 | 17/64 | .125 |
| CA620 | A1S | 1 ³¹ / ₆₄ | 1 ⁹ / ₁₆ | 29/64 | 7/8 | 21/64 | .125 |
| CA620 | *A1W | 1 ⁵ / ₈ | 2 ³ / ₃₂ | 5/8 | 2 ³ / ₈ | 25/64 | .125 |
| CA557 | A29 | 1 | 1 ⁴⁷ / ₆₄ | 9/16 | 1 ¹ / ₈ | 25/64 | .125 |

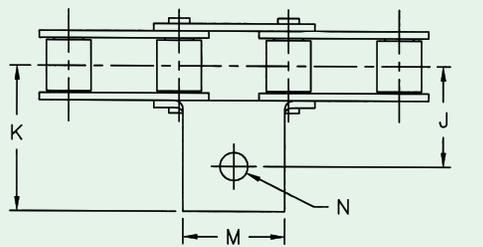
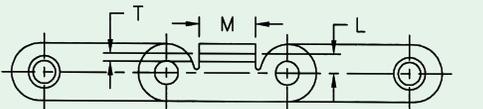


*Weld on attachment



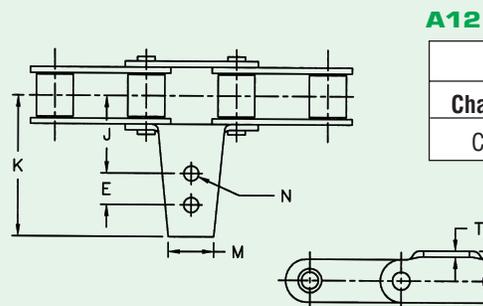
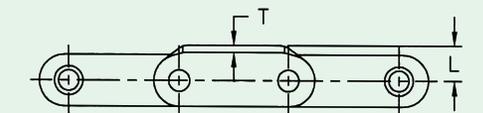
A1D

| Dimensions | | | | | | | |
|------------|----------------|---------------------------------|-------------------------------|-----|-----|-------|------|
| Chain Size | Attachment No. | J | K | L | M | N | T |
| CA550 | A1D | 1 ¹⁵ / ₃₂ | 1 ⁷ / ₈ | 1/4 | 3/4 | 11/32 | .105 |



A4

| Dimensions | | | | | | | |
|------------|----------------|---------------------------------|--------------------------------|-----|-------------------------------|-------|------|
| Chain Size | Attachment No. | J | K | L | M | N | T |
| CA550 | A4 | 1 ¹⁵ / ₃₂ | 2 ¹ / ₈ | 5/8 | 1 ¹ / ₂ | 13/32 | .187 |
| CA557 | A4 | 1 ¹ / ₂ | 2 ⁵ / ₃₂ | 5/8 | 1 ¹ / ₂ | 13/32 | .187 |



A12

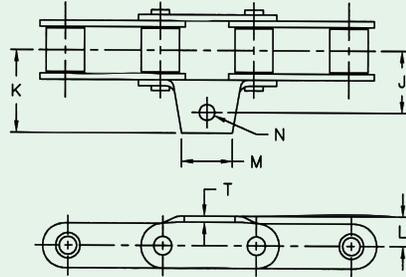
| Dimensions | | | | | | | | |
|------------|----------------|-----|-------------------------------|-------------------------------|-------|-------|-------|------|
| Chain Size | Attachment No. | E | J | K | L | M | N | T |
| CA620 | A12 | 5/8 | 1 ³ / ₈ | 2 ¹ / ₂ | 17/32 | 13/16 | 17/64 | .125 |



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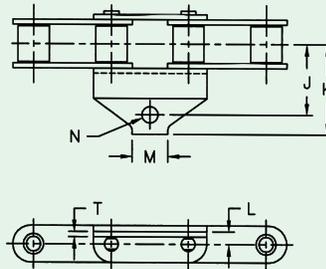
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A18-A19-A25-A27-A29

| Dimensions | | | | | | | |
|------------|----------------|--------|---------|-----|-----|-------|------|
| Chain Size | Attachment No. | J | K | L | M | N | T |
| CA550 | A18 | 1 1/16 | 1 17/32 | 1/2 | 7/8 | 17/64 | .105 |
| A550 | A19* | 1 | 1 13/32 | 1/2 | 7/8 | 17/64 | .105 |
| CA550 | A19* | 1 | 1 19/32 | 1/2 | 7/8 | 17/64 | .105 |
| A550 | A25* | 1 | 1 13/32 | 1/2 | 7/8 | 21/64 | .105 |
| CA550 | A27 | 1 1/16 | 1 13/32 | 1/2 | 7/8 | 21/64 | .105 |
| CA550 | A29 | 1 | 1 13/32 | 1/2 | 7/8 | 25/64 | .105 |

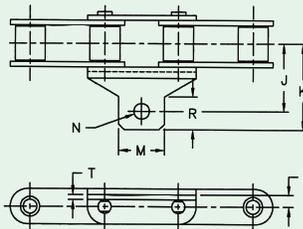
*Inner attachments available.



AH

| Dimensions | | | | | | | |
|------------|----------------|---------|-------|-----|-----|-------|------|
| Chain Size | Attachment No. | J | K | L | M | N | T |
| CA550 | AH | 1 15/32 | 1 7/8 | 1/4 | 3/4 | 11/32 | .105 |

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AHM

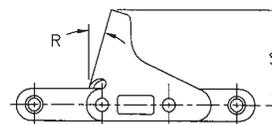
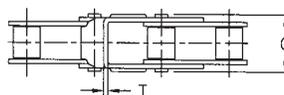
| Dimensions | | | | | | | | |
|------------|----------------|---------|-------|-----|---|-------|-----|------|
| Chain Size | Attachment No. | J | K | L | M | N | R | T |
| CA550 | AHM | 1 15/32 | 1 7/8 | 1/4 | 1 | 11/32 | 3/4 | .105 |

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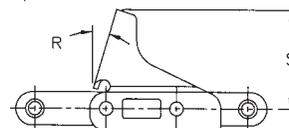
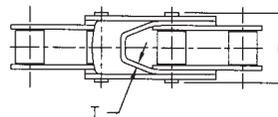
C5E

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|---------------------------------|-----|-------------------------------|------|
| C5E | CA550 | 1 ¹⁵ / ₆₄ | 15° | 2 ¹ / ₄ | .105 |
| C5E | CA555 | 1 ³ / ₆₄ | 15° | 2 ¹ / ₄ | .125 |



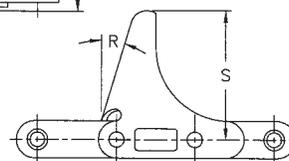
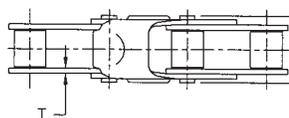
C5EB

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|---------------------------------|-----|-------------------------------|------|
| C5EB | CA550 | 1 ³¹ / ₆₄ | 15° | 2 ¹ / ₄ | .105 |



C6E

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|--------------------------------|-----|-------------------------------|------|
| C6E | CA555 | 1 ³ / ₆₄ | 15° | 2 ⁵ / ₈ | .125 |

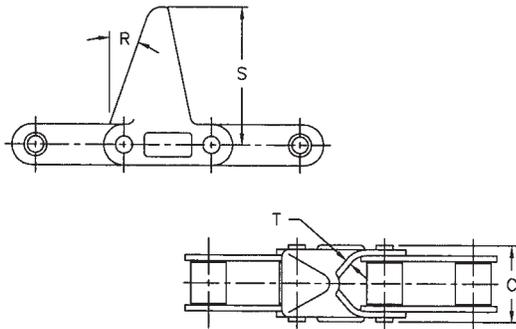


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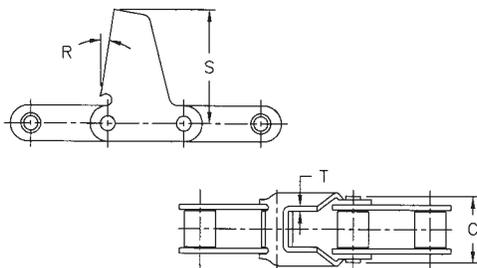


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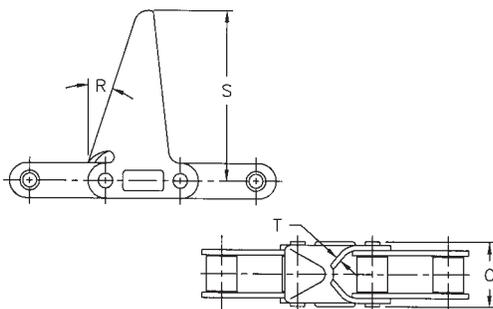
C11E, C14E

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|---------------------------------|-----|---------------------------------|------|
| C11E | CA550 | 1 ¹⁷ / ₆₄ | 17° | 2 ¹ / ₂ | .105 |
| C14E | CA620 | 1 ¹⁷ / ₃₂ | 25° | 2 ²¹ / ₃₂ | .125 |



C12E

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|---------------------------------|----|-------------------------------|------|
| C12E | CA550 | 1 ¹⁷ / ₆₄ | 9° | 2 ³ / ₈ | .105 |



C13E

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|---------------------------------|-----|-------------------------------|------|
| C13E | CA550 | 1 ¹⁷ / ₆₄ | 15° | 3 ⁵ / ₈ | .105 |
| | CA620 | 1 ¹⁷ / ₃₂ | 15° | 3 ⁵ / ₈ | .125 |



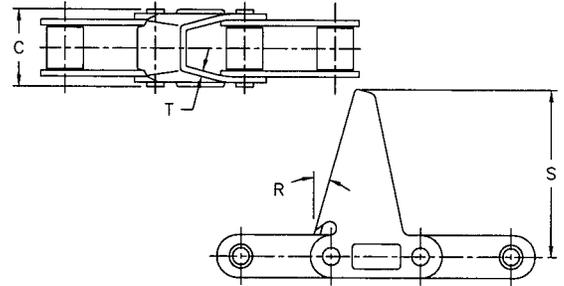
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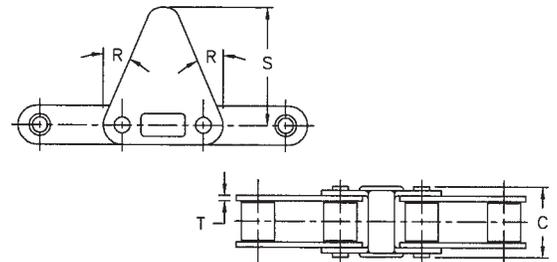
C17E, C19E, CPE

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|---------------------------------|-----|---------------------------------|------|
| C17E | CA550 | 1 ¹⁷ / ₆₄ | 15° | 3 | .105 |
| C19E | CA550 | 1 ¹⁷ / ₆₄ | 15° | 2 | .105 |
| CPE | CA550 | 1 ¹⁷ / ₆₄ | 20° | 2 ³⁵ / ₆₄ | .105 |



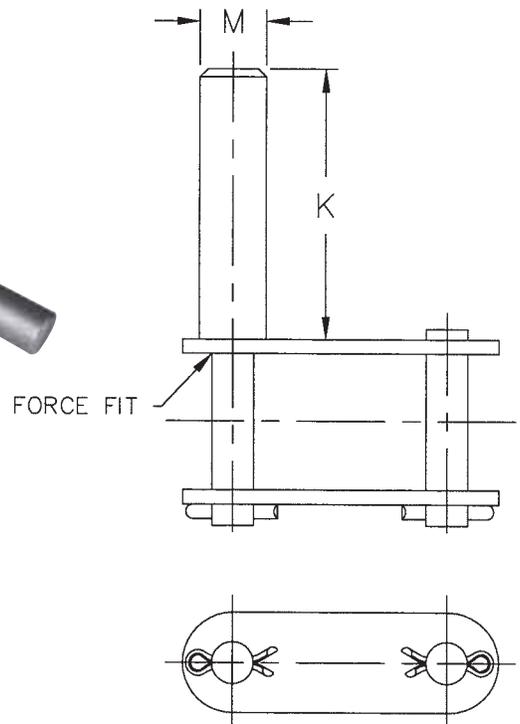
C30E

| Att. No. | Chain No. | C | R | S | T |
|----------|-----------|---------------------------------|----------------------------------|--------------------------------|------|
| C30E | CA620 | 1 ¹⁷ / ₃₂ | 22 ¹ / ₂ ° | 2 ⁵ / ₁₆ | .125 |



D1 IMPORT

| Att. No. | Chain No. | Dimension (inches) | |
|----------|-----------|--------------------|-----|
| | | K | M |
| D-1 | CA550 | 2 | 1/2 |



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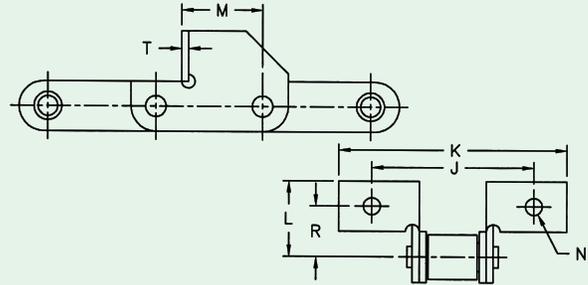
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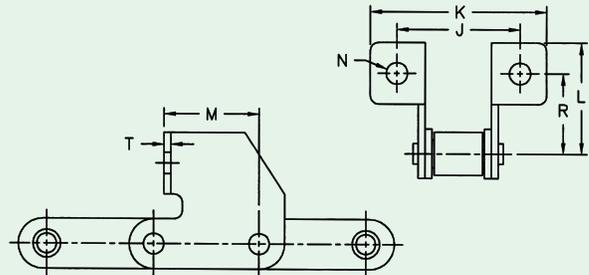


AGRICULTURAL ROLLER CHAIN ATTACHMENTS



F1

| Att. No. | Chain No. | J | K | L | M | N | R | T |
|----------|-----------|-----------------|-----------------|----------------|----------------|-----------------|---------------|------|
| F1 | CA550 | $2\frac{7}{16}$ | $3\frac{7}{16}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $\frac{17}{64}$ | $\frac{3}{4}$ | .105 |



F4-F4S-F4A

| Att. No. | Chain No. | J | K | L | M | N | R | T |
|----------|-----------|----------------|------------------|------------------|------------------|-----------------|------------------|------|
| F4 | CA550 | $1\frac{7}{8}$ | $2\frac{11}{16}$ | $1\frac{11}{16}$ | $1\frac{29}{64}$ | $\frac{21}{64}$ | $1\frac{7}{32}$ | .105 |
| F4A | CA550 | $1\frac{7}{8}$ | $2\frac{11}{16}$ | $1\frac{11}{16}$ | $1\frac{29}{64}$ | $\frac{13}{32}$ | $1\frac{7}{32}$ | .105 |
| F4S | CA550 | $2\frac{1}{8}$ | $2\frac{31}{32}$ | $1\frac{11}{16}$ | $1\frac{29}{64}$ | $\frac{13}{32}$ | $1\frac{13}{32}$ | .105 |

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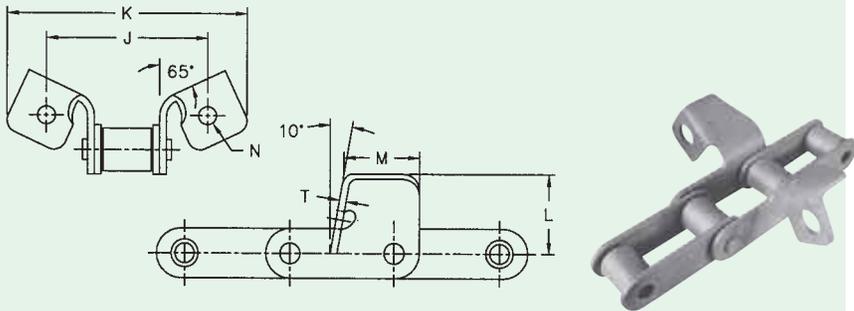
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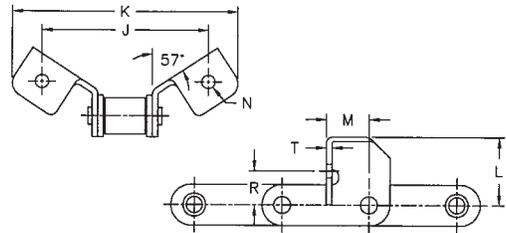
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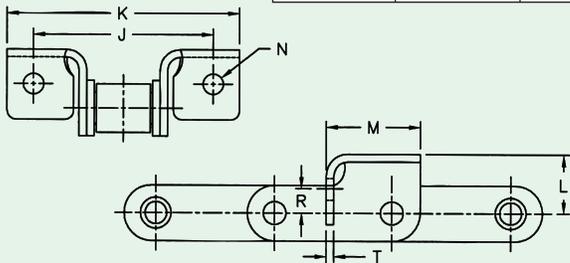
F5-F5S-F14-F14S-F17

| Att. No. | Chain No. | J | K | L | M | N | R | T |
|----------|-----------|-------|---------|-------|--------|-------|-------|------|
| F5 | CA550 | 3 1/8 | 4 | 1 1/4 | 5 1/64 | 15/64 | 5/8 | .105 |
| F5S | CA550 | 3 1/8 | 4 | 1 1/4 | 5 1/64 | 17/64 | 5/8 | .105 |
| F14 | CA550 | 3 1/8 | 4 | 1 1/4 | 5 1/64 | 21/64 | 5/8 | .105 |
| F14S | CA550 | 3 1/8 | 4 | 1 1/4 | 5 1/64 | 13/32 | 5/8 | .105 |
| F16 | CA550 | 2 1/2 | 3 3/4 | 1 3/8 | 29/32 | 9/32 | 9/16 | .105 |
| F17 | CA550 | 4 1/2 | 5 37/64 | 1 5/8 | 1 3/8 | 25/64 | 13/16 | .105 |



G17-2

| Att. No. | Chain No. | J | K | L | M | N | R | T |
|----------|-----------|-------|---------|-----|-------|------|-----|------|
| G17-2 | CA550 | 2 1/2 | 3 21/64 | 3/4 | 1 1/4 | 9/32 | 1/2 | .105 |



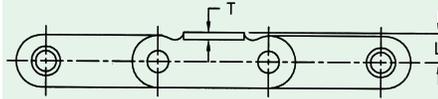
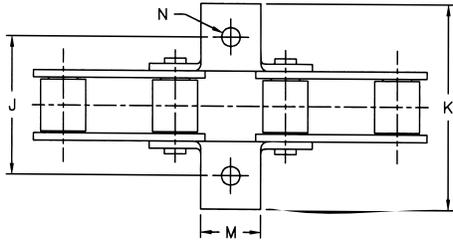
G50A

| Att. No. | Chain No. | J | K | L | M | N | R | T |
|----------|-----------|--------|--------|-----|-----|-------|------|------|
| G50A | CA550 | 1 9/16 | 2 5/32 | 5/8 | 3/4 | 25/64 | 3/32 | .125 |

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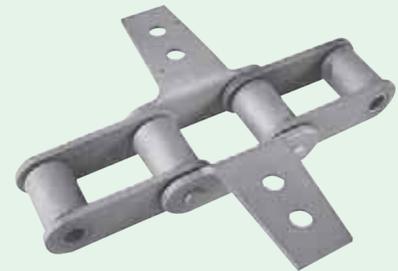
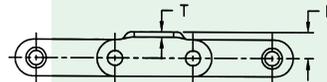
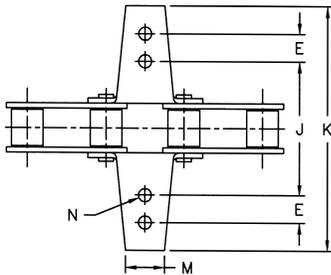


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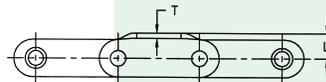
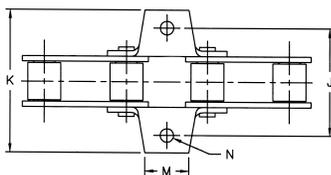
K1

| Att. No. | Chain No. | J | K | L | M | N | T |
|----------|-----------|---------------------------------|---------------------------------|-------|-------------------------------|--------------------------------|------|
| K1 | CA550 | 2 | 2 ²¹ / ₃₂ | 27/64 | 7/8 | 17/64 | .105 |
| | CA620 | 2 ¹⁵ / ₃₂ | 3 ⁵ / ₃₂ | 29/64 | 7/8 | 17/64 | .125 |
| K1S | CA620 | 2 ¹⁵ / ₃₂ | 3 ⁵ / ₃₂ | 29/64 | 7/8 | 2 ¹ / ₆₄ | .125 |
| K29 | CA557 | 2 | 2 ²⁹ / ₃₂ | 9/16 | 1 ¹ / ₈ | 2 ⁵ / ₆₄ | .125 |



K12

| Att. No. | Chain No. | E | J | K | L | M | N | T |
|----------|-----------|-----|-------------------------------|-------------------------------|-------|-----|-------|------|
| K12 | CA620 | 5/8 | 2 ³ / ₄ | 5 ¹ / ₈ | 15/16 | 7/8 | 17/64 | .125 |



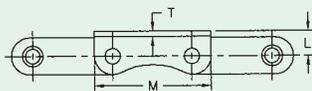
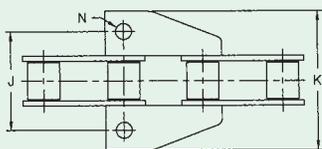
K18, K19, K25, K27, K29, K27S

| Att. No. | Chain No. | J | K | L | M | N | T |
|----------|-----------|-------------------------------|---------------------------------|------|-------------------------------|--------------------------------|------|
| K18 | CA550 | 2 ¹ / ₈ | 2 ¹³ / ₁₆ | 1/2 | 7/8 | 17/64 | .105 |
| K19 | A550* | 2 | 2 ¹³ / ₁₆ | 1/2 | 7/8 | 17/64 | .105 |
| | CA550* | 2 | 3 ¹ / ₁₆ | 1/2 | 7/8 | 17/64 | .105 |
| K25 | A550* | 2 | 2 ¹³ / ₁₆ | 1/2 | 7/8 | 2 ¹ / ₆₄ | .105 |
| K27 | CA550 | 2 ¹ / ₈ | 2 ¹³ / ₁₆ | 1/2 | 7/8 | 2 ¹ / ₆₄ | .105 |
| K27S | CA550 | 2 ¹ / ₈ | 2 ¹³ / ₁₆ | 1/2 | 7/8 | 2 ⁵ / ₆₄ | .105 |
| | A557 | 2 ¹ / ₄ | 3 ¹ / ₈ | 9/16 | 1 ¹ / ₈ | 3 ³ / ₆₄ | .125 |
| K29 | CA550 | 2 | 2 ¹³ / ₁₆ | 1/2 | 7/8 | 2 ⁵ / ₆₄ | .105 |

*Inner attachments available.

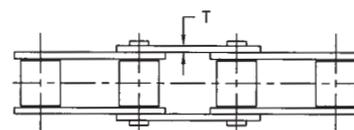
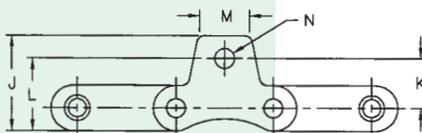
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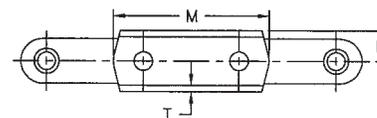
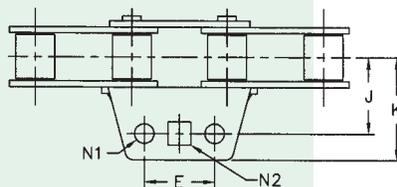
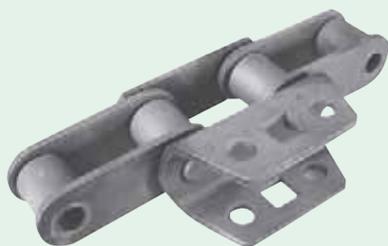
K39-K39M-K35-K35M

| Att. No. | Chain No. | J | K | L | M | N | T |
|----------|-----------|------|-------|------|------|------|------|
| K39 | A550 | 2.00 | 2.813 | .474 | 2.38 | .328 | .105 |
| K39M | A550 | 2.00 | 2.813 | .484 | 2.38 | .390 | .105 |
| K35 | A557 | 2.00 | 2.894 | .555 | 2.67 | .343 | .125 |
| K35M | A557 | 2.00 | 2.894 | .555 | 2.67 | .406 | .125 |
| K39 | A557 | 2.25 | 2.91 | .555 | 2.67 | .343 | .125 |
| K39M | A557 | 2.25 | 3.11 | .555 | 2.67 | .390 | .125 |



M25

| Att. No. | Chain No. | J | K | L | M | N | T |
|----------|-----------|--------------------------------|------|-------|-----|--------------------------------|------|
| M25 | CA550 | 1 ⁹ / ₁₆ | .808 | 1.183 | 7/8 | 2 ¹ / ₆₄ | .105 |



U16

| Att. No. | Chain No. | E | J | K | L | M | N1 | N2 | T |
|----------|-----------|-------|--------------------------------|---------------------------------|--------------------------------|-------------------------------|--------------------------------|--------------------------------|------|
| U16 | CA557 | 1.187 | 1 ⁹ / ₃₂ | 1 ²³ / ₃₂ | 1 ⁹ / ₃₂ | 2 ⁵ / ₈ | 2 ¹ / ₆₄ | 2 ⁵ / ₆₄ | .120 |

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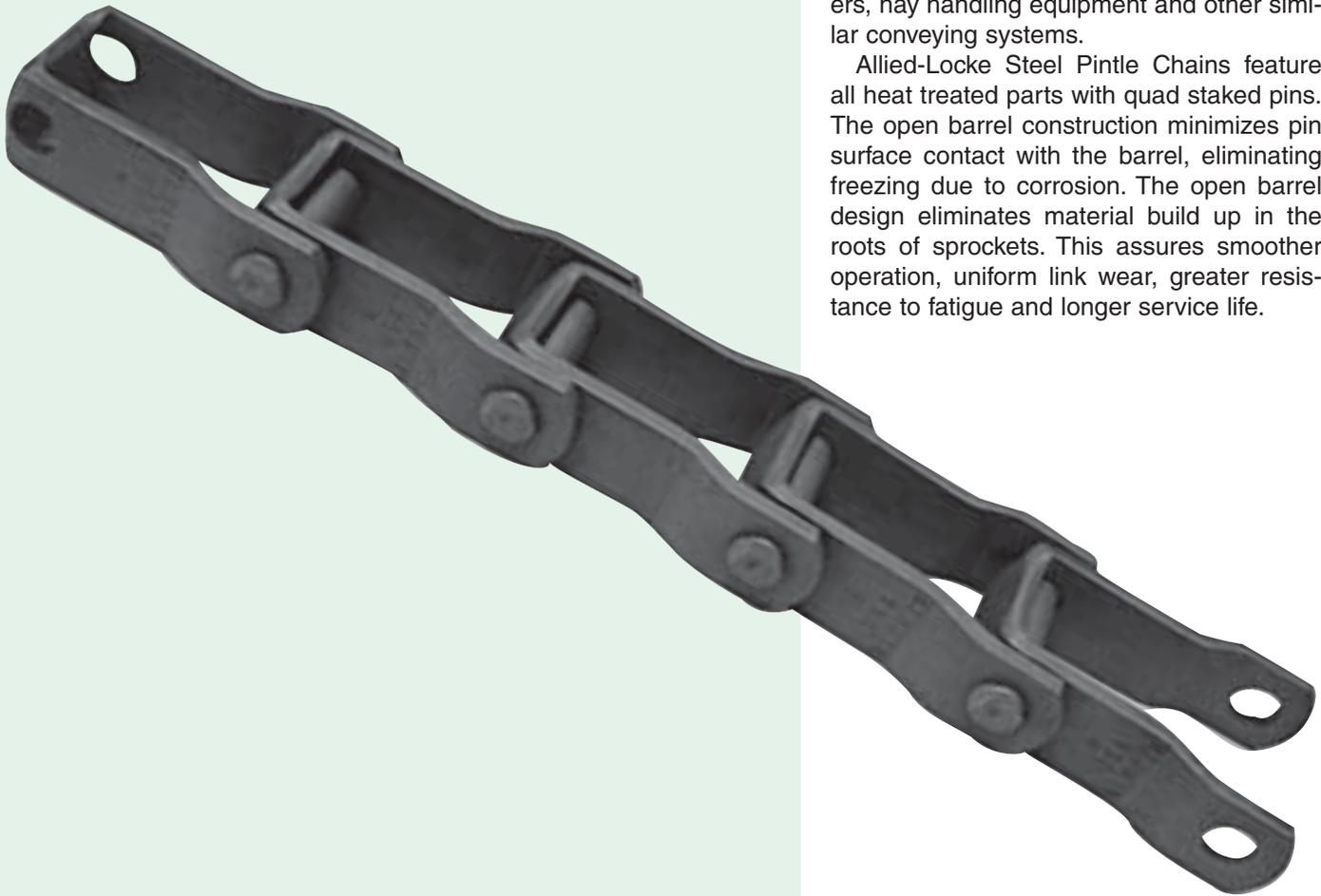




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Allied-Locke Steel Pintle Chain is designed for dependability, quality, and economy. The Allied-Locke Steel Pintle Chain is well suited for a wide range of applications, such as salt-sand-fertilizer spreaders, bunk feeders, hay handling equipment and other similar conveying systems.

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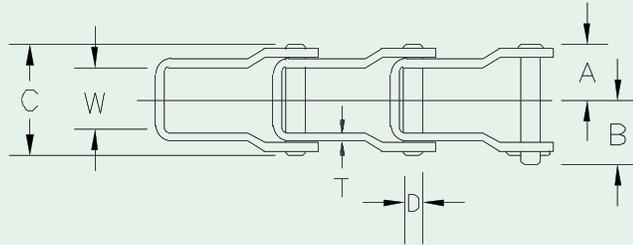
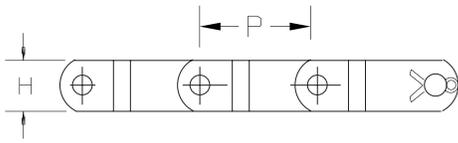
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AL662, AL667H, AL667X, AL667XH, AL88K, AL88XH, AL58

| Chain Size | Links Per 10' | Wt. Per 10' | Min. Avg. Tensile Strength | Pitch | Overall Width | Inside Width | Pin Dia. | Height | Thickness | Connector Length | |
|------------|---------------|-------------|----------------------------|-------|---------------|--------------|----------|--------|-----------|------------------|-------|
| | | | | P | B | C | | | | D | A |
| AL662 | 72 | 10.5 lbs. | 8,500 lbs. | 1.664 | 1 5/8 | 29/32 | .281 | .720 | .125 | .797 | .883 |
| AL667H | 52 | 11.7 lbs. | 9,500 lbs. | 2.313 | 1 47/64 | 1 | .312 | .875 | .125 | .891 | .998 |
| AL667X | 53 | 18.6 lbs. | 15,000 lbs. | 2.250 | 1 61/64 | 1 1/16 | .437 | .937 | .170 | 1.010 | 1.140 |
| AL667XH | 53 | 28.0 lbs. | 26,000 lbs. | 2.250 | 2 5/16 | 1 5/64 | .469 | 1.062 | .224 | 1.200 | 1.340 |
| AL88K | 46 | 23.0 lbs. | 20,000 lbs. | 2.609 | 2 1/8 | 1 5/64 | .437 | 1.062 | .200 | 1.090 | 1.270 |
| AL88XH | 46 | 33.2 lbs. | 30,000 lbs. | 2.609 | 2 41/64 | 1 1/4 | .500 | 1.125 | .250 | 1.350 | 1.520 |
| AL58 | 30 | 55.0 lbs. | 50,000 lbs. | 4.000 | 3 23/64 | 2 1/32 | .625 | 1.500 | .310 | 1.870 | 2.090 |

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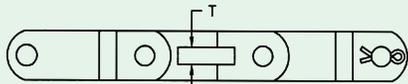
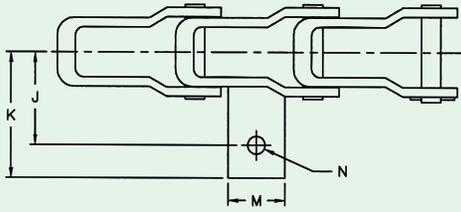
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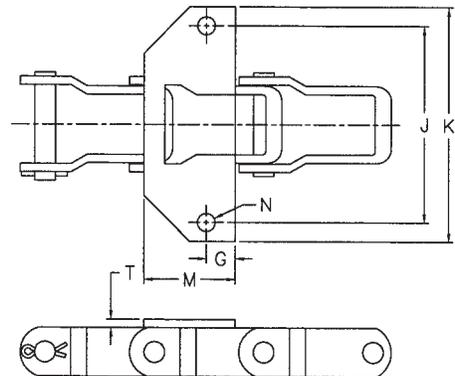
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STEEL PINTLE CHAIN ATTACHMENTS



AE, AS, AES, AC

| Attachment | Chain No. | J | K | M | N | T |
|------------|-----------|--------------------------------|---------------------------------|-------------------------------|-------|------|
| AS | AL662 | 1 ³ / ₈ | 1 ⁵⁷ / ₆₄ | 15/16 | 17/64 | 3/16 |
| AS | AL667H | 2 ¹ / ₃₂ | 2 ¹⁹ / ₃₂ | 1 ¹ / ₈ | 21/64 | 1/4 |
| AS | AL667X | 2 ¹ / ₃₂ | 2 ¹¹ / ₁₆ | 1 ¹ / ₈ | 21/64 | 5/16 |
| AS | AL667XH | 2 ¹ / ₃₂ | 2 ³ / ₄ | 1 ¹ / ₄ | 25/64 | 3/8 |
| AS | AL88K | 2 ¹ / ₃₂ | 2 ³ / ₄ | 1 ¹ / ₄ | 25/64 | 3/8 |
| AS | AL88XH | 2 ¹ / ₃₂ | 2 ¹³ / ₁₆ | 1 ¹ / ₄ | 25/64 | 3/8 |
| AES | AL662 | 1 ³ / ₈ | 1 ⁵⁷ / ₆₄ | 15/16 | 21/64 | 3/16 |
| AES | AL667H | 2 ¹ / ₃₂ | 2 ¹⁹ / ₃₂ | 1 ¹ / ₈ | 25/64 | 1/4 |
| AES | AL667X | 2 ¹ / ₃₂ | 2 ¹¹ / ₁₆ | 1 ¹ / ₈ | 25/64 | 5/16 |
| AES | AL667XH | 2 ¹ / ₃₂ | 2 ³ / ₄ | 1 ¹ / ₄ | 29/64 | 3/8 |
| AES | AL88XH | 2 ¹ / ₃₂ | 2 ¹³ / ₁₆ | 1 ¹ / ₄ | 29/64 | 3/8 |
| AE | AL667XH | 2 ¹ / ₃₂ | 2 ³ / ₄ | 1 ¹ / ₄ | 21/64 | 3/8 |
| AC | AL88XH | 2 ¹ / ₃₂ | 2 ¹³ / ₁₆ | 1 ¹ / ₄ | 9/16 | 3/8 |



| Attachment | Chain No. | G | J | K | M | N | T |
|------------|-----------|------|---------------------------------|-------------------------------|-------------------------------|-------|------|
| AK1 | AL662 | 7/16 | 2 ¹⁵ / ₁₆ | 3 ¹ / ₂ | 1 ³ / ₈ | 17/64 | .125 |

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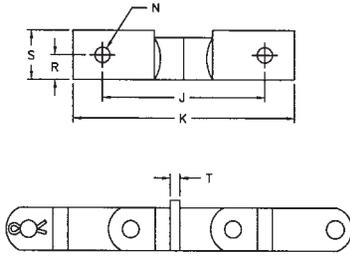
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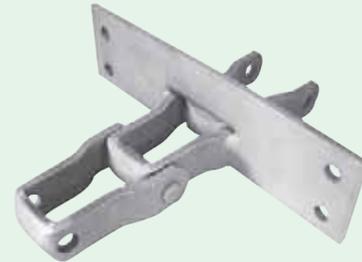
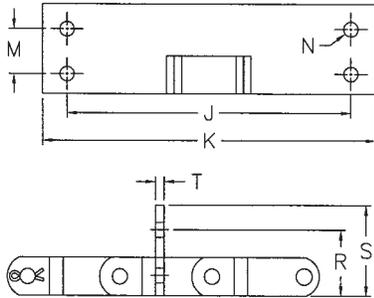


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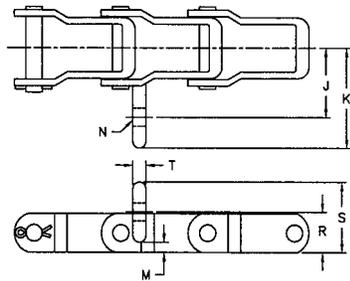
FS5

| Att. No. | Chain No. | Dimensions | | | | | |
|----------|-----------|------------|-------|-------|-----|-------|-----|
| | | J | K | N | R | S | T |
| FS5 | AL88K | 4 1/8 | 5 5/8 | 25/64 | 5/8 | 1 1/4 | 1/4 |



F50

| Att. No. | Chain No. | Dimensions | | | | | | |
|----------|-----------|------------|------|------|------|------|------|-----|
| | | J | K | M | N | R | S | T |
| F50 | AL88XH | 8.00 | 9.38 | 1.25 | .410 | 1.25 | 1.81 | 1/4 |



G30S

| Att. No. | Chain No. | Dimensions | | | | | |
|----------|-----------|------------|---------|--------|-----|--------|-----|
| | | J | K | N | R | S | T |
| G30S | AL662 | 1 5/16 | 1 57/64 | 1 1/32 | 3/4 | 1 5/16 | 1/4 |

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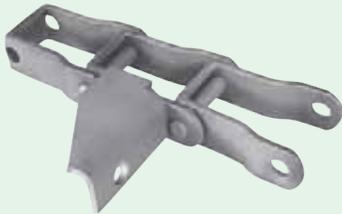
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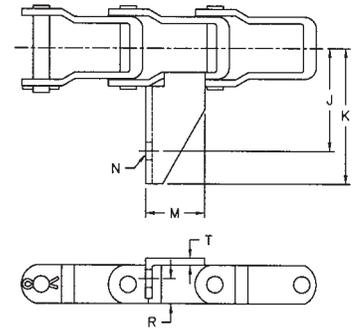
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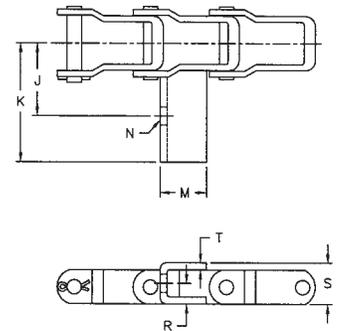
G38

| Att. No. | Chain No. | Dimensions | | | | | |
|----------|-----------|------------|---------|-------|--------|-------|------|
| | | J | K | M | N | R | T |
| G38 | AL662 | 1 15/16 | 2 35/64 | 1 1/8 | 2 1/64 | 15/32 | .125 |



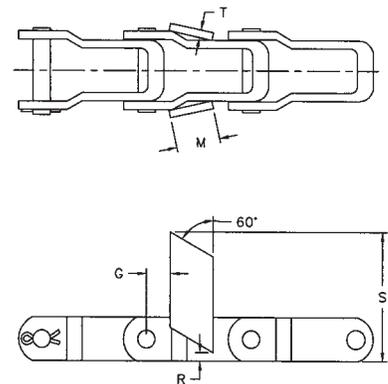
G50

| Att. No. | Chain No. | Dimensions | | | | | | |
|----------|-----------|------------|---------|---|-------|-----|------|-------|
| | | J | K | M | N | R | S | T |
| G50 | AL662 | 1 9/16 | 2 35/64 | 1 | 25/64 | 7/8 | .148 | 7/16 |
| | AL667X | 2 1/16 | 2 43/64 | 1 | 25/64 | 7/8 | .148 | 15/32 |



HB4

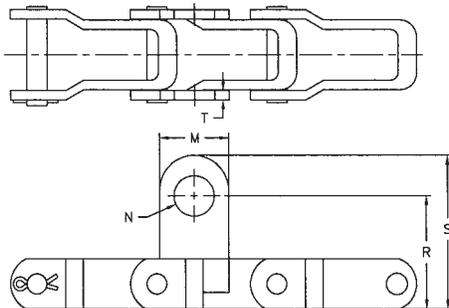
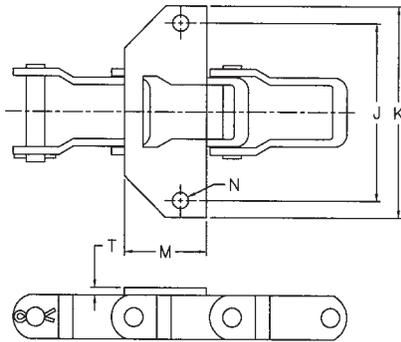
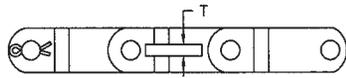
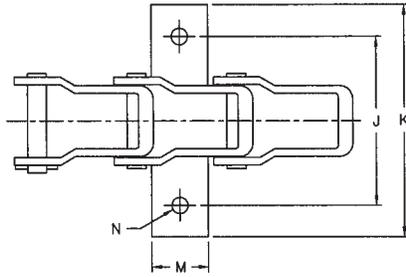
| Att. No. | Chain No. | Dimensions | | | | |
|----------|-----------|------------|-----|------|---------|------|
| | | G | M | R | S | T |
| HB4 | AL667X | 19/32 | 3/4 | 0.00 | 2.160 | 3/16 |
| | AL88K | 19/32 | 3/4 | 0.35 | 2 17/32 | 3/16 |



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KS

| Att. No. | Chain No. | Dimensions | | | | |
|----------|-----------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | | J | K | M | N | T |
| KS | AL662 | 2 ³ / ₄ | 3 ²⁵ / ₃₂ | 1 ⁵ / ₁₆ | 1 ⁷ / ₆₄ | 3 ³ / ₁₆ |
| KS | AL667H | 4 ¹ / ₁₆ | 5 ³ / ₁₆ | 1 ¹ / ₈ | 2 ¹ / ₆₄ | 1 ¹ / ₄ |
| KS | AL667X | 4 ¹ / ₁₆ | 5 ³ / ₈ | 1 ¹ / ₈ | 2 ¹ / ₆₄ | 5 ⁵ / ₁₆ |
| KS | AL667XH | 4 ¹ / ₁₆ | 5.456 | 1 ¹ / ₄ | 2 ⁵ / ₆₄ | 3 ³ / ₈ |
| KS | AL88XH | 4 ¹ / ₁₆ | 5 ³ / ₄ | 1 ¹ / ₄ | 2 ⁵ / ₆₄ | 3 ³ / ₈ |



K1

| Att. No. | Chain No. | Dimensions | | | | |
|----------|-----------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|
| | | J | K | M | N | T |
| K1 | AL662 | 2 ¹⁵ / ₃₂ | 3 ⁹ / ₃₂ | 1 ⁹ / ₃₂ | 1 ⁷ / ₆₄ | 1 ¹ / ₈ |
| K1 | AL667H | 2 ¹⁵ / ₃₂ | 3 ⁹ / ₃₂ | 1 ⁹ / ₃₂ | 1 ⁷ / ₆₄ | 1 ¹ / ₈ |
| K1 | AL667X | 2 ¹⁵ / ₃₂ | 3 ⁹ / ₃₂ | 1 ⁹ / ₃₂ | 1 ⁷ / ₆₄ | 1 ¹ / ₈ |
| K1 | AL667XH | 2 ¹⁵ / ₃₂ | 3 ⁹ / ₃₂ | 1 ⁹ / ₃₂ | 1 ⁷ / ₆₄ | 1 ¹ / ₈ |



M2

| Att. No. | Chain No. | Dimensions | | | | |
|----------|-----------|-------------------------------|-------------------------------|---------------------------------|--------------------------------|--------------------------------|
| | | M | N | R | S | T |
| M2 | AL88K | 1 ¹ / ₂ | 7 ⁷ / ₈ | 2 ¹³ / ₃₂ | 3 ⁹ / ₃₂ | 5 ⁵ / ₁₆ |

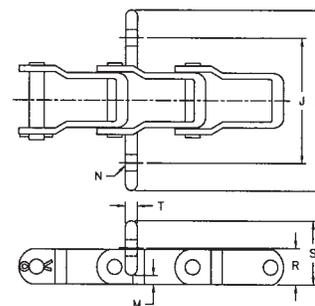
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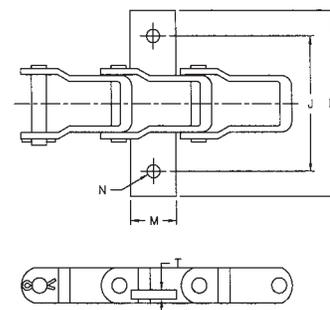
KG30S

| Att. No. | Chain No. | Dimensions | | | | |
|----------|-----------|-------------------------------|---------------------------------|------------------|--------------------------------|-----------------|
| | | J | K | M | N | T |
| KG30S | AL662 | 2 ⁵ / ₈ | 3 ¹³ / ₁₆ | 3/ ₁₆ | 1 ¹ / ₃₂ | 1/ ₄ |



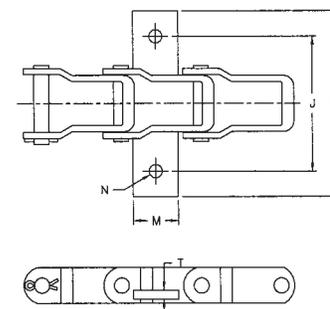
K1S

| Att. No. | Chain No. | Dimensions | | | | |
|----------|-----------|-------------------------------|-------|-------------------------------|-----------------|-----------------|
| | | J | K | M | N | T |
| K1S | AL667XH | 3 ³ / ₄ | 4.658 | 1 ¹ / ₈ | 3/ ₈ | 1/ ₄ |
| K1S | AL88XH | 3 ³ / ₄ | 4.762 | 1 ¹ / ₈ | 3/ ₈ | 1/ ₄ |



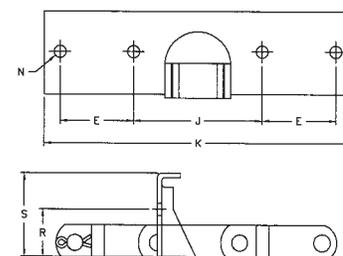
KSB

| Att. No. | Chain No. | Dimensions | | | | | |
|----------|-----------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|------------------|
| | | J | K | M | N | S | T |
| KSB | AL667X | 4 ¹ / ₁₆ | 5 ³ / ₈ | 1 ¹ / ₈ | 2 ¹ / ₆₄ | 5 ⁷ / ₆₄ | 5/ ₁₆ |
| KSB | AL667XH | 4 ¹ / ₁₆ | 5.456 | 1 ¹ / ₄ | 25/ ₆₄ | 5 ⁷ / ₆₄ | 3/ ₈ |
| KSB | AL88XH | 4 ¹ / ₁₆ | 5 ³ / ₄ | 1 ¹ / ₄ | 25/ ₆₄ | 6 ¹ / ₆₄ | 3/ ₈ |



SFE LINK

| Att. No. | Chain No. | Dimensions | | | | | | |
|----------|-----------|------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|------|
| | | E | J | K | N | R | S | T |
| SFE | AL667H | 2 | 3 ¹ / ₂ | 8 ³ / ₈ | 2 ¹ / ₆₄ | 1 ¹ / ₄ | 2 ⁷ / ₃₂ | .125 |



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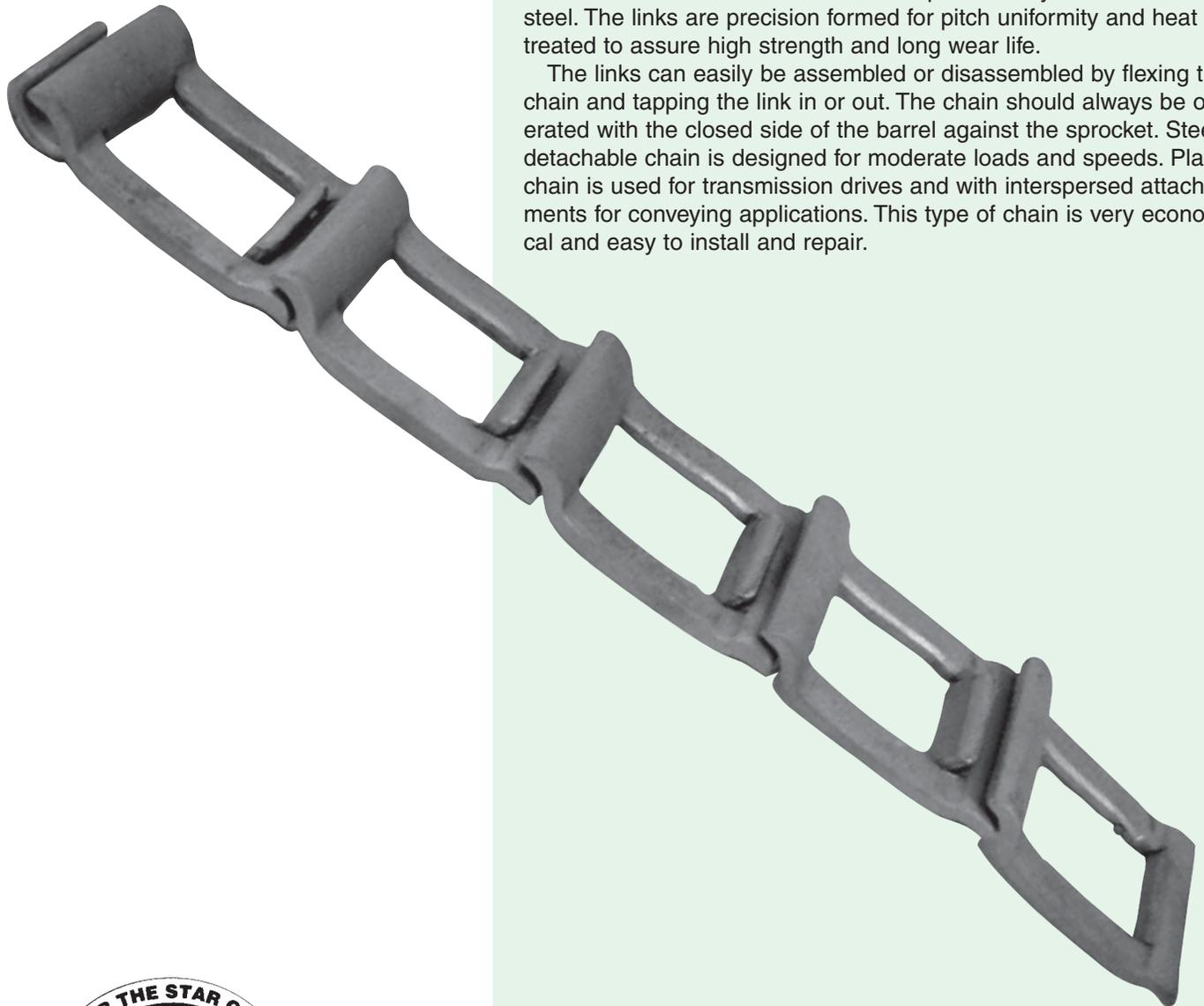


ALLIED-LOCKE

Steel Detachable Chain

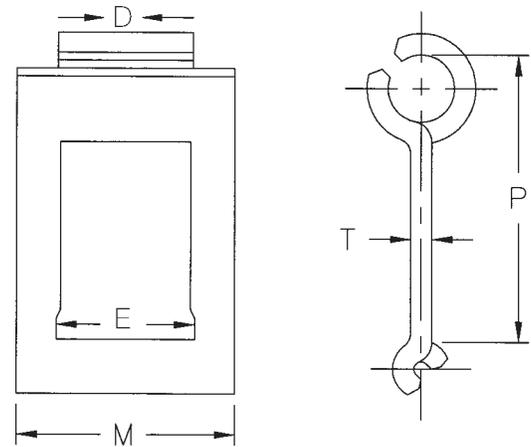
Allied detachable chain is made from special analysis hot rolled strip steel. The links are precision formed for pitch uniformity and heat treated to assure high strength and long wear life.

The links can easily be assembled or disassembled by flexing the chain and tapping the link in or out. The chain should always be operated with the closed side of the barrel against the sprocket. Steel detachable chain is designed for moderate loads and speeds. Plain chain is used for transmission drives and with interspersed attachments for conveying applications. This type of chain is very economical and easy to install and repair.



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STEEL DETACHABLE CHAIN ATTACHMENT LINKS



| Chain Number | Links in 10 Feet | Approx. Wt. Lbs. Per 100 Ft. | Average Ultimate Strength Lbs. | Minimum Tensile Strength Lbs. | P | M | E | D | T |
|--------------|------------------|------------------------------|--------------------------------|-------------------------------|-------|------------------|-------|-------|-----------|
| 25 | 133 | 20 | 950 | 760 | .904 | $\frac{45}{64}$ | .438 | .422 | .073±.006 |
| 32 | 104 | 32 | 1650 | 1320 | 1.157 | $\frac{15}{16}$ | .610 | .594 | .090±.006 |
| 32W | 104 | 39 | 1650 | 1320 | 1.157 | $1\frac{1}{16}$ | .610 | .594 | .079±.006 |
| 33 | 86 | 39 | 1650 | 1320 | 1.402 | $1\frac{1}{16}$ | .627 | .610 | .095±.006 |
| 42 | 87 | 50 | 2300 | 1680 | 1.375 | $1\frac{7}{32}$ | .800 | .781 | .105±.006 |
| 50H | 87 | 63 | 2600 | 2240 | 1.375 | $1\frac{9}{32}$ | .798 | .781 | .125±.006 |
| 51 | 106 | 40 | 2100 | 1680 | 1.133 | $1\frac{3}{32}$ | .720 | .703 | .105±.006 |
| 52 | 80 | 66 | 2700 | 2160 | 1.508 | $1\frac{13}{32}$ | .760 | .840 | .125±.006 |
| 55 | 74 | 62 | 2800 | 2240 | 1.630 | $1\frac{9}{32}$ | .813 | .796 | .125±.006 |
| 62 | 73 | 90 | 4200 | 3520 | 1.654 | $1\frac{9}{16}$ | 1.002 | .984 | .148±.007 |
| 62A | 72 | 131 | 5500 | 4000 | 1.664 | $1\frac{15}{16}$ | 1.002 | .984 | .172±.007 |
| 62H | 73 | 112 | 4400 | 3600 | 1.654 | $1\frac{7}{8}$ | 1.002 | .984 | .148±.007 |
| 67H | 52 | 137 | 5500 | 4400 | 2.313 | $1\frac{7}{8}$ | 1.110 | 1.093 | .185±.007 |
| 67XH | 52 | 145 | 6800 | 5500 | 2.313 | $1\frac{7}{8}$ | 1.110 | 1.093 | .200±.010 |
| 67W | 52 | 144 | 4800 | 3800 | 2.313 | $2\frac{3}{8}$ | 1.110 | 1.093 | .148±.007 |
| 70 | 60 | 130 | 4800 | 4000 | 2.013 | $1\frac{15}{16}$ | 1.110 | 1.093 | .172±.007 |
| 72 | 59 | 131 | 4800 | 4000 | 2.025 | $1\frac{15}{16}$ | 1.110 | 1.093 | .172±.007 |
| S | 41 | 130 | 4800 | 3840 | 2.906 | $1\frac{15}{16}$ | 1.116 | 1.093 | .172±.007 |
| 72½ | 73 | 115 | 4500 | 3600 | 1.643 | 2 | 1.172 | 1.156 | .148±.007 |

Tolerances for 10' section of SDC are $+\frac{3}{8}$ " , $-\frac{1}{8}$ "

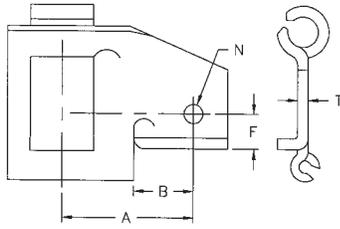
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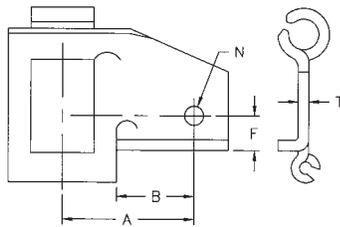


STEEL DETACHABLE CHAIN ATTACHMENT LINKS



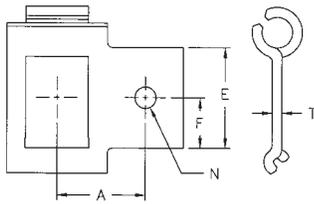
AE & AE3/RIGHT & LEFT

| Att. No. | Chain No. | A | B | F | N | T |
|----------|-----------|--------------------------------|----------------------------------|--------------------------------|----------------------------------|------|
| AE | 67H | 2 ¹ / ₃₂ | 29 ²⁹ / ₃₂ | 9 ⁹ / ₁₆ | 21 ²¹ / ₆₄ | .185 |
| AE3 | 67H | 2 ¹ / ₃₂ | 29 ²⁹ / ₃₂ | 9 ⁹ / ₁₆ | 25 ²⁵ / ₆₄ | .185 |
| | 67XH | 2 ¹ / ₃₂ | 29 ²⁹ / ₃₂ | 9 ⁹ / ₁₆ | 25 ²⁵ / ₆₄ | .200 |



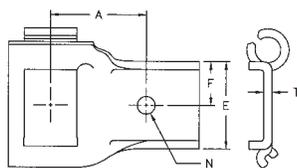
AS/RIGHT & LEFT

| Att. No. | Chain No. | A | B | F | N | T |
|----------|-----------|--------------------------------|--------------------------------|--------------------------------|----------------------------------|------|
| AS | 67H | 2 ¹ / ₃₂ | 1 ³ / ₃₂ | 9 ⁹ / ₁₆ | 21 ²¹ / ₆₄ | .185 |
| AS | 67XH | 2 ¹ / ₃₂ | 1 ³ / ₃₂ | 9 ⁹ / ₁₆ | 21 ²¹ / ₆₄ | .200 |



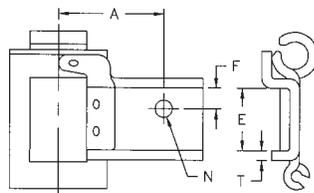
A1/RIGHT & LEFT

| Att. No. | Chain No. | A | E | F | N | T |
|----------|-----------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|------|
| A1 | 42 | 1 ³ / ₃₂ | 29 ²⁹ / ₃₂ | 29 ²⁹ / ₆₄ | 17 ¹⁷ / ₆₄ | .105 |
| | 55 | 1 ¹ / ₈ | 1 ¹ / ₁₆ | 17 ¹⁷ / ₃₂ | 17 ¹⁷ / ₆₄ | .125 |
| | 62 | 1 ³ / ₈ | 1 ³ / ₈ | 11 ¹¹ / ₁₆ | 17 ¹⁷ / ₆₄ | .148 |



A2/RIGHT & LEFT

| Att. No. | Chain No. | A | E | F | N | T |
|----------|-----------|---------------------------------|-------------------------------|-------------------------------|----------------------------------|------|
| A2 | 55 | 1 ²⁹ / ₆₄ | 1 ¹ / ₄ | 5 ⁵ / ₈ | 17 ¹⁷ / ₆₄ | .125 |
| | 62 | 1 ⁹ / ₁₆ | 1 ¹ / ₄ | 5 ⁵ / ₈ | 17 ¹⁷ / ₆₄ | .148 |



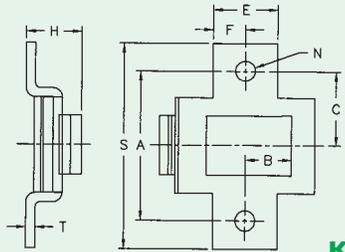
A2W/RIGHT & LEFT

| Att. No. | Chain No. | A | E | F | N | T |
|----------|-----------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|------|
| A2W | 67H | 2 ¹ / ₃₂ | 1 ³ / ₁₆ | 35 ³⁵ / ₆₄ | 21 ²¹ / ₆₄ | .125 |



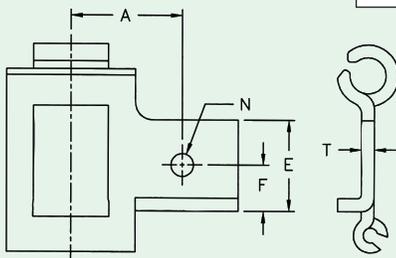
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STEEL DETACHABLE CHAIN ATTACHMENT LINKS



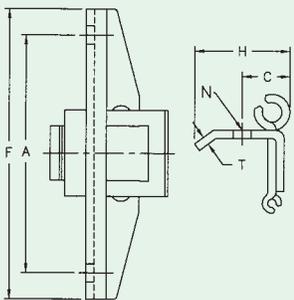
K1

| Att. No. | Chain No. | A | B | C | E | F | H | N | S | T |
|----------|-----------|---------|-----|---------|-----|------|-------|-------|-------|------|
| K1 | 55 | 2 | 5/8 | 1 | 7/8 | 7/16 | 3/4 | 17/64 | 2 3/4 | .125 |
| K1 | 62 | 2 15/32 | 5/8 | 1 15/64 | 7/8 | 7/16 | 37/64 | 17/64 | 3 1/4 | .148 |



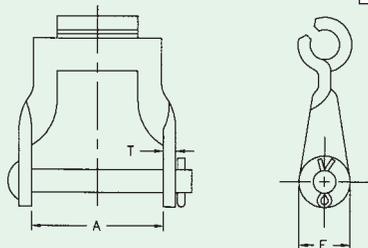
SB/RIGHT & LEFT

| Att. No. | Chain No. | A | E | F | N | T |
|----------|-----------|-------|--------|--------|--------|------|
| B | S | 1 5/8 | 1 5/16 | 2 1/32 | 2 1/64 | .170 |



SFS1

| Att. No. | Chain No. | A | C | F | H | N | T |
|----------|-----------|--------|-----|-------|-------|--------|------|
| SFS1 | 62 | 4 5/16 | 7/8 | 5 1/4 | 1 1/2 | 2 1/64 | .148 |



STEEL CHAIN COUPLERS

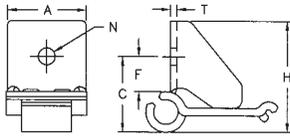
| Att. No. | Chain No. | A | F | T |
|----------|-----------|---------|-----|------|
| C0 | 55 | 1 3/8 | 5/8 | .125 |
| C0 | 62 | 1 39/64 | 5/8 | .148 |



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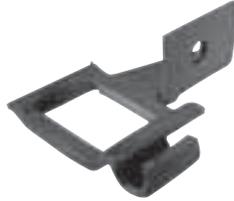
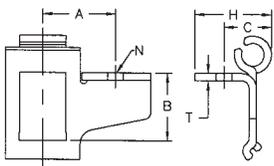


STEEL DETACHABLE CHAIN ATTACHMENT LINKS



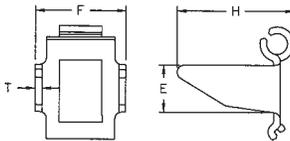
C1-C11-C15

| Att. No. | Chain No. | A | C | F | H | N | T |
|----------|-----------|--------------------------------|--------------------------------|-------|---------------------------------|-------|------|
| C1 | 55 | 1 ¹ / ₄ | 1 ³ / ₁₆ | 7/16 | 1 ³ / ₄ | 17/64 | .105 |
| | 62 | 1 ⁷ / ₁₆ | 1 ⁹ / ₃₂ | 15/32 | 1 ²⁵ / ₃₂ | 17/64 | .105 |
| C11 | 55 | 1 ¹ / ₄ | 1 ³ / ₁₆ | 7/16 | 1 ³ / ₄ | 21/64 | .105 |
| | 62 | 1 ⁷ / ₁₆ | 1 ⁹ / ₃₂ | 15/32 | 1 ²⁵ / ₃₂ | 21/64 | .105 |
| C15 | 62 | 1 ⁷ / ₁₆ | 1 ³ / ₁₆ | 7/16 | 1 ²⁵ / ₃₂ | 17/64 | .105 |



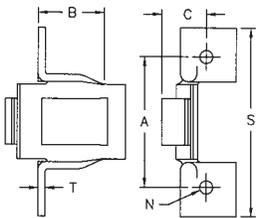
G27/RIGHT & LEFT

| Att. No. | Chain No. | A | B | C | H | N | T |
|----------|-----------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------|------|
| G27 | 55 | 1 ¹ / ₄ | 1 | 13/16 | 1 ⁵ / ₁₆ | 17/64 | .125 |
| | 62 | 1 ⁵ / ₁₆ | 1 ¹ / ₁₆ | 1 ¹ / ₁₆ | 1 ¹ / ₁₆ | 17/64 | .148 |



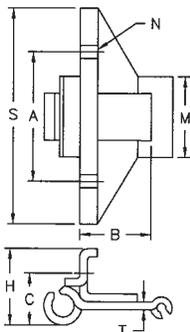
HB4

| Att. No. | Chain No. | E | F | H | T |
|----------|-----------|-----|---------------------------------|--------------------------------|------|
| HB4 | 55 | 7/8 | 1 ¹¹ / ₁₆ | 2 ³ / ₁₆ | .125 |
| | 62 | 7/8 | 1 ⁶¹ / ₆₄ | 2 ³ / ₁₆ | .148 |



SD-SE-SH

| Att. No. | Chain No. | A | B | C | N | TS | T |
|----------|-----------|--------------------------------|--------------------------------|-------|-------|---------------------------------|------|
| SD | 32W | 2 ¹ / ₈ | 1 ³ / ₁₆ | 5/8 | 13/64 | 2 ¹³ / ₁₆ | .095 |
| SD | 55 | 2 ¹ / ₄ | 1 ¹ / ₈ | 25/32 | 15/64 | 3 ¹ / ₄ | .125 |
| SD | 62 | 2 ¹ / ₂ | 1 ¹ / ₈ | 25/32 | 17/64 | 3 ⁵ / ₈ | .148 |
| SE | 55 | 2 ⁷ / ₁₆ | 1 ¹ / ₈ | 25/32 | 5/16 | 3 ¹ / ₄ | .125 |
| SH | 55 | 2 ¹ / ₄ | 1 ¹ / ₈ | 25/32 | 9/32 | 3 ¹ / ₄ | .125 |
| SH | 62 | 2 ³ / ₄ | 1 ¹ / ₈ | 25/32 | 17/64 | 3 ⁵ / ₈ | .148 |



SHW

| Att. No. | Chain No. | A | B | C | H | M | N | S | T |
|----------|-----------|---|-------------------------------|--------------------------------|-------------------------------|-------------------------------|------|---|------|
| SHW | 67H | 3 | 1 ⁵ / ₈ | 1 ³ / ₁₆ | 1 ³ / ₄ | 1 ⁷ / ₈ | 9/32 | 4 | .155 |

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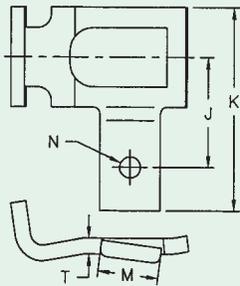
HEAVY DUTY CHAIN LINKS



T-BAR

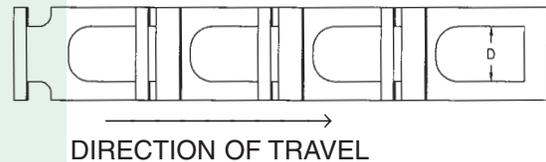
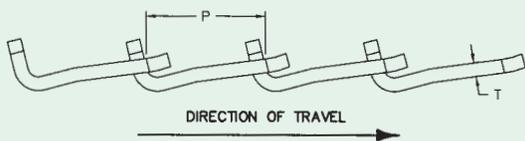


16000 pounds minimum tensile strength.
 Made of $\frac{5}{16}$ " thick Hi-strength steel material—uniformly heat treated in atmospherically controlled furnaces.
 Designed to be used on regular #67 sprockets—manufactured to pitch of 2.560 inches during articulation over sprockets.
 Clean design prevents clogging or binding.
 Longer wear life than steel detachable or pintle chains due to thickness of material.
 Easily assembled or disassembled—twist link approximately 45° and lift or insert.
 Design of unit attachment links is offset at lug extension allowing slat to ride on surface of flooring giving best cleaning action.



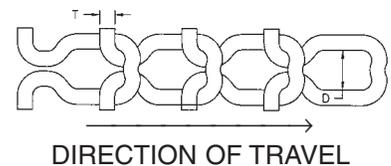
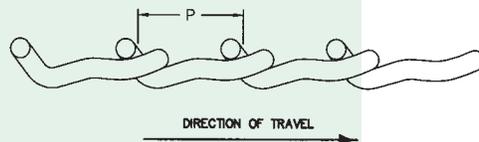
| Chain Size | P Pitch (inch) | Links In 10' | Adv. Ult. Strength | Dimensions (inches) | | |
|------------|----------------|--------------|--------------------|---------------------|-------------|-----------------|
| | | | | Inside Width D | Thickness T | Width Overall W |
| AL67 T-Bar | 2.55 | 47 | 16,000 lbs. | 1.093 | .312 | 2.000 |

| Att. No. | Chain No. | Dimensions | | | | |
|----------|------------|------------------|-----------------|-----------------|------------------|------|
| | | J | K | M | N | T |
| AS | AL67 T-Bar | 2 $\frac{1}{32}$ | 3 $\frac{3}{4}$ | 1 $\frac{1}{8}$ | 2 $\frac{1}{64}$ | .312 |
| A1 | AL67 T-Bar | 2 $\frac{1}{32}$ | 3 $\frac{3}{4}$ | 1 $\frac{1}{8}$ | 2 $\frac{5}{64}$ | .312 |
| A2 | AL67 T-Bar | 2 $\frac{1}{32}$ | 3 $\frac{3}{4}$ | 1 $\frac{1}{8}$ | 2 $\frac{9}{64}$ | .312 |



T-ROD

Developed for use in spreaders, its unique design increases fatigue life, reduces stretching, increases wear life, and runs smoothly and quietly on standard #67 sprockets.

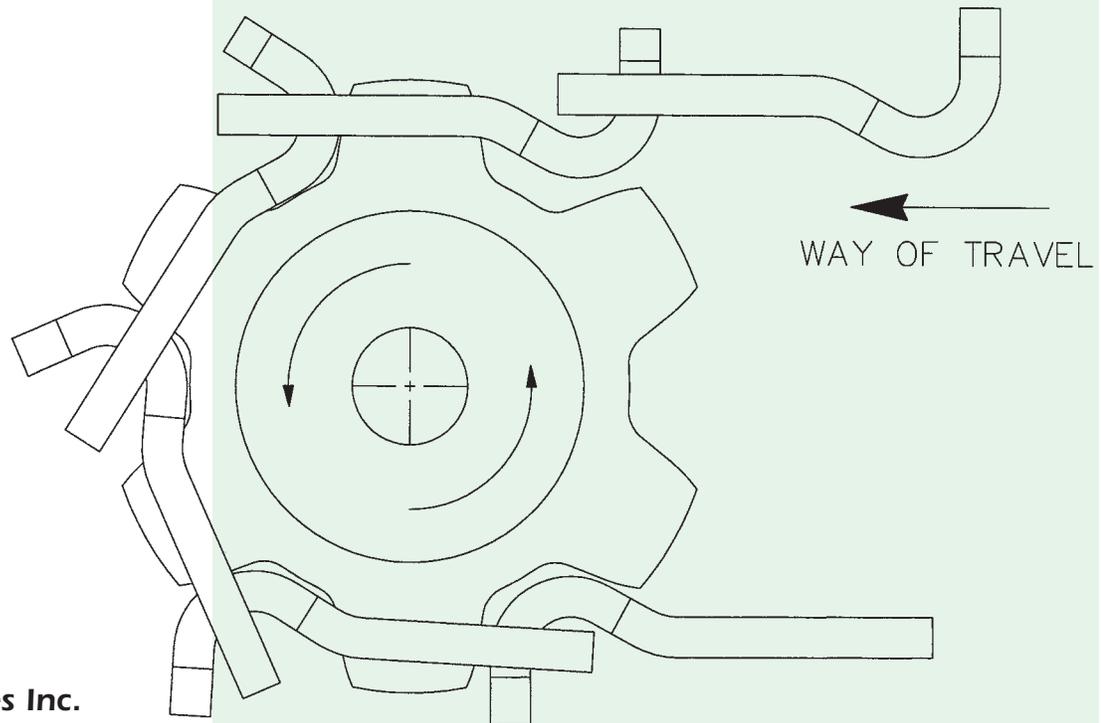
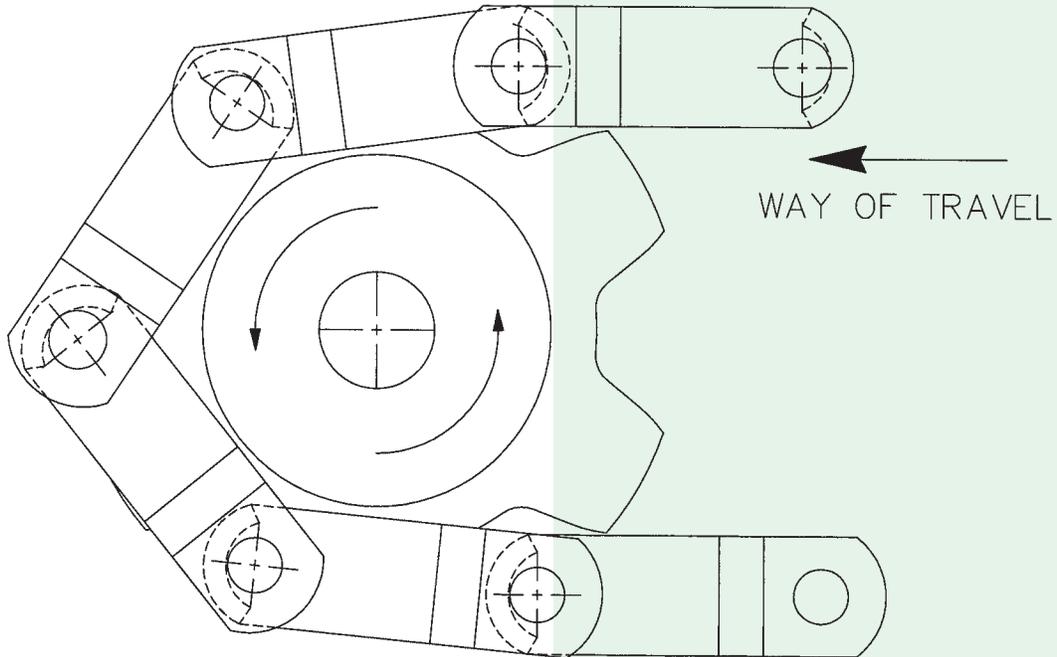


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| Chain Size | P Pitch (inch) | Links In 10' | Adv. Ult. Strength | Dimensions (inches) | | |
|------------|----------------|--------------|--------------------|---------------------|-------------|-----------------|
| | | | | Inside Width D | Thickness T | Width Overall W |
| AL67 T-Rod | 2.388 | 50 | 16,000 lbs. | 1.125 | .437 | 2.50 |



PINTLE CHAIN T-BAR CHAIN



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... the company that delivers
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REPLACEMENT CHAINS FOR THE AG INDUSTRY

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and Models

Elevator Chains

Available

Forage Harvester Chains

REPLACEMENT CHAINS FOR SALT/SAND SPREADERS

Pintle Chains

Combination Chains

Roller Chains

Available In

Plain Chain—with bars—with belt overs

REPLACEMENT CHAINS/BELTS FOR J.D. 50/50A SERIES

Forage/Bean Harvester Gathering Chains





INDUSTRIAL CHAIN

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CHAIN SELECTION CHART



SS CLASS BUSHED STEEL CHAIN

Available Nos.: SS 102B, SS 110, SS 111, SS 131, SS 150+, SS 188, SS 856, SS 857, SS 859, SS 864

Available Pitches: 2.609" to 6.050"

Available Average Ultimate Strengths: 25,000 to 200,000 Lbs.



MSR CLASS BUSHED ROLLER STEEL CHAIN

Available Nos.: 81X, MSR 149, MSR 303, MSR 944+, MSR 996, MSR 1114, MSR 1116, MSR 1539, MSR 1617, MSR 2184P, MSR 2188, MSR 2198, MSR 3013, MSR 4013, MSR 4019, MSR 4119, MSR 4216, MSR 4238, MSR 6018, MSR 6238, MSR 9063

Available Pitches: 2.609" to 6.000"

Available Average Ultimate Strengths: 10,000 to 100,000 Lbs.

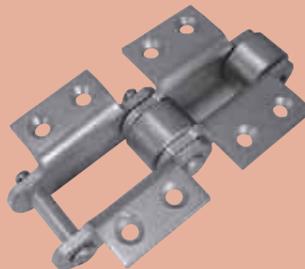


MSR BUSHED ROLLER STEEL MEAT PACKING CHAIN

Available Nos.: MSR 3420, MSR 6272

Available Pitches: 4.040", 6.000"

Available Average Ultimate Strength: 28,000 Lbs.



MXS & MSS OFFSET DRIVE CHAIN

Available Nos.: MXS 88B, MXS 432, MXS 881, MXS 882, MXS 1031, MXS 1242, MXS 1245, MXS 2070, MXS 3011, MXS 3075, MXS 3514, MXS 4522, MXS 5031, MXS 5035, MXS 5542, MXS 6042, MXS 6965, MSS 6065, MSR 6560

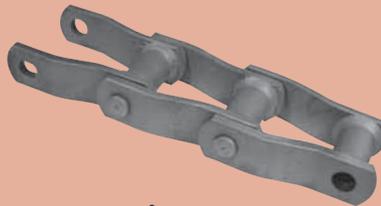
Available Pitches: 2.000" to 6.000"

Available Average Ultimate Strengths: 20,000 to 600,000 Lbs.



WELDED STEEL MILL CHAINS

Available Nos.: WH 78, WH 78-4, WH 82, WH 106, WH 106HD, WH 106XHD, WH 110, WH 111, WH 124, WH 124 HD, WH 132, WH 132HD, WH 150, WH 150 HD, WH 150 XHD



WELDED STEEL DRAG CHAINS

Available Nos.: WD 104, WD 110, WDH 110, WD 120, WD 122, WD 480, WDH 480.



RIVETLESS DROP FORGED CHAIN

Regular Type

Available Nos.: 468, 698, 998, 9118, 9148

Available Pitches: 3.031" to 9.031"

Available Average Ultimate Strengths: 24,000 to 300,000 Lbs.



X TYPE

Available Nos.: X 348, X 458, X 658, X 678

Available Pitches: 3.041" to 6.031"

Available Average Ultimate Strengths: 24,000 to 85,000 Lbs.



COMBINATION CHAIN

Available Nos.: C 55, C 55L, C 60, C 77, C 102B, C 102½, C 110, C 111, C 111C, C 131, C 132, MPB 132, MPB 132C, PW 132, C 133, C 188, BRH 188

Available Pitches: 1.631" to 6.050"

Available Average Ultimate Strengths: 12,150 to 67,500 Lbs.



"H" CLASS MILL CHAIN

Available Nos.: H 60, H 74, H 78, H 79, H 82, H 87, H 124

Available Pitches: 2.308" to 4.000"

Available Average Ultimate Strengths: 9,450 to 40,500 Lbs.



"H" CLASS REFUSE DRAG CHAIN

Available Nos.: H 102, H 104, H 110, H 112, H 116, H 120, H 480

Available Pitches: 5.000" to 8.000"

Available Average Ultimate Strengths: 36,400 to 52,000 Lbs.



COMBINATION REFUSE DRAG CHAIN

Available Nos.: 6104, 6110, 8480

Available Pitches: 6.000" to 8.000"

Available Average Ultimate Strengths: 54,500 to 73,000 Lbs.





CHAIN SELECTION CHART

"H" CLASS TRANSFER CHAIN

Available Nos.: H 78A, H 78B, H 130,
H 131, H 138

Available Pitches: 2.609" to 4.000"

Available Average Ultimate Strengths:
18,200 to 29,900 Lbs.



COMBINATION TRANSFER CHAIN

Available Nos.: C 55A, C 55B, C 55D

Available Pitches: 1.631"

Available Average Ultimate Strength:
11,700 Lbs.



400 CLASS PINTLE CHAIN

Available Nos.:

442, 445, 452, 455, 462,
477, 488, 4103

Available Pitches: 1.375" to 3.075"

Available Average Ultimate Strengths:
7,800 to 28,600 Lbs.



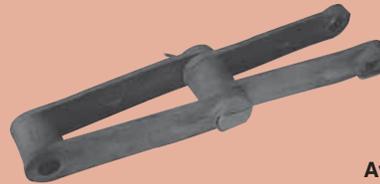
700 CLASS PINTLE CHAIN

Available Nos.:

720, 720S, MS 720S, 730,
MS 730, 788

Available Pitches: 2.609" to 6.000"

Available Average Ultimate Strengths:
22,750 to 42,000 Lbs.



900 CLASS PINTLE CHAIN

Available No.: 907

Available Pitch: 3.170"

Available Average
Ultimate Strength:
32,500 Lbs.



DETACHABLE CHAIN

Available Nos.:

25, 32, 42, 45, 51, S 51, 52,
55, 57, 62, S 62, 67, 75,
77, 78, 88, 103, 124

Available Pitches: .902" to 4.063"

Available Average
Ultimate Strengths:
880 to 21,250 Lbs.



SPECIAL PURPOSE MC 33 PINTLE CHAIN

Available Nos.: MC 33, DF 3498,
DF 3500, DF 3910

Available Pitches: 1.750"-3.000"

Available Average
Ultimate Strength:
12,000 to 48,000 Lbs.



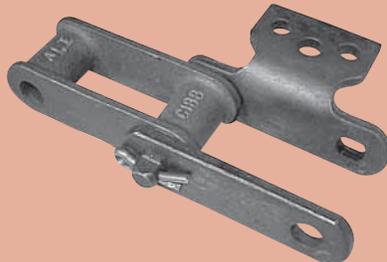
ATTACHMENT SELECTION CHART



TYPE "A"

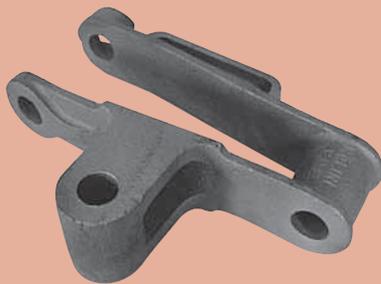
Available for:

SS Class Bushed
Steel Chain
MSR Class Bushed Roller
Steel Chain
Combination Chain
"H" Class Mill Chain
400 Class Pintle Chain
700 Class Pintle Chain
Detachable Chain



TYPE "AM"

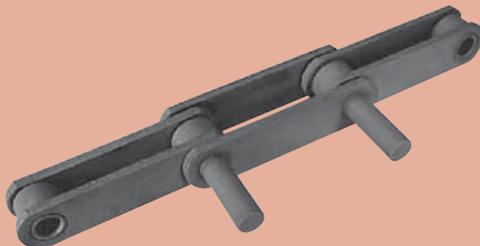
Available for: 700 Class Pintle Chain



TYPE "D"

Available for:

MSR Class Bushed Roller Steel Chain
400 Class Pintle Chain
Detachable Chain



TYPE "E"

Available for:

400 Class Pintle Chain
900 Class Pintle Chain



TYPE "F"

Available for:

Combination Chain
"H" Class Mill Chain
400 Class Pintle Chain
700 Class Pintle Chain
Detachable Chain



TYPE "G"

Available for:

SS Class Bushed
Steel Chain
MSR Class Bushed Roller
Steel Chain
Combination Chain
"H" Class Mill Chain
400 Class Pintle Chain
Detachable Chain



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ATTACHMENT SELECTION CHART

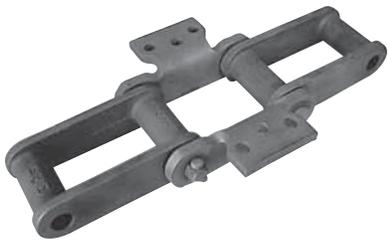
TYPE "H"

Available for:
"H" Class Mill Chain



TYPE "K"

Available for:
SS Class Bushed
Steel Chain
MSR Class Bushed Roller
Steel Chain
Combination Chain
"H" Class Mill Chain
400 Class Pintle Chain
700 Class Pintle Chain
Detachable Chain



TYPE "M"

Available for:
700 Class Mill Chain



TYPE "S"

Available for:
SS Class Bushed Steel
Chain
Combination Chain



"BUCKETS"

Styles Available:
AC
MD
Plastic
Fab Steel
Manganese
Chain & belt
punchings available



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. . . the company that delivers
www.alliedlocke.com

CHAIN DATA



DIRECTION OF TRAVEL

Although some chain types may be run in either direction, most chain used in conveyor systems has a preferred direction of travel for optimum chain life. The descriptive text introducing each chain type in this catalog explains the direction of travel for the class. However, below is presented an easy reference for the direction of travel of each type of Moline Chain available:

STEEL CHAIN

SS Class Bushed and MSR Class Bushed Roller Steel Chain may be run in either direction. MXS Class Offset Steel Drive Chain should be operated in the direction of the closed ends of the links.

RIVETLESS DROP FORGED CHAIN

May be operated in either direction.

COMBINATION CHAIN

May be operated in either direction.

"H" CLASS MILL CHAIN

When used as drive chain, travel should be in direction of barrel ends of links; as elevator or conveyor chain, it travels in the direction of open ends of links.

"H" TYPE REFUSE DRAG CHAIN

Should always be run in the direction of the closed barrels of the links.

COMBINATION REFUSE DRAG CHAIN

Should be operated in the direction of the scraper faces.

TRANSFER CHAIN

"H" TYPE AND COMBINATION

Should be run in the direction of the barrel ends of the links.

ROLLER TOP CHAIN

H-Type Roller Top Chain should be run in the direction of the links' open ends, or with the barrels trailing.

400 CLASS PINTLE CHAIN

As elevating or conveying chain, the direction of travel should be toward the chain links' open ends. For drives, the direction of travel should be in the direction of the barrel ends of the links.

700 CLASS PINTLE CHAIN

Travels in the direction of the links' barrel ends when used as drive chain; as elevator and conveyor chain, it travels in the direction of the links' open ends.

900 CLASS PINTLE CHAIN

Should always be run in the direction of the closed, narrow ends of the links.

DETACHABLE CHAIN

Operates with the closed side of the hooks riding next to the sprocket wheel. For drives, the direction of travel is in the direction of the hooks; for conveyors and elevators, the direction of travel is in the direction of the end bars.

MC-33 CHAIN

Should also be operated in the direction of the wide, open ends of the links. (An arrow stamped on the top of the chain shows this direction.)

left hand attachment



right hand attachment



HOW TO IDENTIFY RIGHT AND LEFT HAND ATTACHMENTS

Many attachments, like chain, are not reversible. When double strands of chain are used, the proper attachment links must be used on the right and left strands.

Within this catalog, whenever an attachment cannot be used interchangeably for both left and right hand applications, double listings for that attachment are offered suffixed with an "R" or an "L" to indicate right or left hand. For example, Detachable Chain No. 55's A2 attachments are cataloged as:

55-A2-R
(right hand attachments)
55-A2-L
(left hand attachment)

Left and right hand attachments can be distinguished from each other by following a few simple rules. When you hold a Detachable Chain link in your hand with the open side of the hook up and the end bar toward you, or when you hold a pin-type chain link with the open end toward you, the attachments on the right are right hand attachments and those on the left are left hand attachments.

CHAIN FOR MULTIPLE STRAND OPERATION

When multiple strands of chain are operated side by side, it is necessary that the chain and attachments be precisely aligned. In order to assure proper operation of multiple strand applications, Moline matches and aligns all chain and attachments in these applications before the chain leaves the factory. The strands of chain are cut into specific lengths for shipping and handling and each length is marked indicating the strand and its position. This facilitates the re-assembly of the chain with a minimum of time and for better and longer wear.

When ordering chain that is to be used in a multiple strand application, be certain to state that the chain is to be furnished in matched strands.



ENGINEERING DATA

MOLINE ENGINEERING CLASS STEEL DRIVE CHAIN SELECTION DATA

The following tables have been compiled for your convenience to cover several of the more popular types of drive chain.

Applications requiring speeds over 1000 FPM should be referred to Moline Engineering Department for recommendations.

HORSEPOWER RATINGS

The Horsepower Ratings of MXS Class Offset Steel Drive Chain may be determined by applying the following formulas:

$$HP = \frac{\text{Working Load} \times P \times T \times R}{396,000 \times Fs}$$

$$WL = \frac{HP \times 396,000 \times Fs}{P \times T \times R}$$

When: **HP** = Horsepower
P = Chain Pitch in inches
T = Number of teeth in the driving sprocket
R = Full load speed of the driving sprocket in revolutions per minute
Fs = Speed Factor (Table 2)
WL = Working Load

SERVICE FACTOR (FP)—TABLE 1

| | CONDITIONS AFFECTING CHAIN LIFE EXPECTANCY | SERVICE FACTORS |
|----------------------------|----------------------------------------------------------------------------|-----------------|
| Frequency of Shock | Infrequent Shock | 1 |
| | Frequent Shock | 1.2 |
| Character of Chain Loading | Uniform or Steady Load | 1 |
| | Moderate Shock Load | 1.2 |
| | Heavy Shock Load | 1.5 |
| Atmospheric Conditions | Relatively Clean and Moderate Temperature | 1 |
| | Moderately Dirty and Moderate Temperature | 1.2 |
| | Exposed to Weather, Very Dirty, Abrasive, Mildly Corrosive, and Reasonably | |
| | High Temperatures | 1.4 |
| Daily Operating Range | 8 to 10 Hours | 1 |
| | 12 to 24 Hours | 1.2 |

STEEL CHAIN WORKING LOAD SPEED FACTORS (FS)—TABLE 2

| NUMBER OF TEETH | FEET PER MINUTE | | | | | | | | | | | | | | | | | | | |
|-----------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| 6 | .917 | 1.09 | 1.37 | 1.68 | 2.00 | 2.40 | 2.91 | 3.57 | 4.41 | 5.65 | 7.35 | 10.6 | 16.7 | | | | | | | |
| 7 | .855 | .971 | 1.13 | 1.27 | 1.44 | 1.61 | 1.81 | 2.04 | 2.29 | 2.60 | 2.96 | 3.42 | 3.95 | 8.62 | | | | | | |
| 8 | .813 | .909 | 1.04 | 1.16 | 1.26 | 1.37 | 1.49 | 1.63 | 1.76 | 1.93 | 2.10 | 2.29 | 2.48 | 3.62 | 6.21 | | | | | |
| 9 | .794 | .870 | .980 | 1.07 | 1.17 | 1.26 | 1.36 | 1.45 | 1.55 | 1.65 | 1.76 | 1.88 | 2.00 | 2.56 | 2.94 | 4.29 | 6.09 | 9.90 | | |
| 10 | .775 | .840 | .943 | 1.02 | 1.09 | 1.16 | 1.24 | 1.31 | 1.37 | 1.45 | 1.53 | 1.61 | 1.68 | 2.03 | 2.41 | 2.81 | 3.31 | 3.82 | 4.48 | 5.37 |
| 11 | .758 | .820 | .901 | .971 | 1.03 | 1.09 | 1.15 | 1.22 | 1.28 | 1.34 | 1.40 | 1.46 | 1.52 | 1.78 | 2.05 | 2.33 | 2.63 | 2.96 | 3.37 | 3.82 |
| 12 | .741 | .787 | .862 | .926 | .990 | 1.05 | 1.10 | 1.16 | 1.21 | 1.26 | 1.32 | 1.37 | 1.42 | 1.63 | 1.81 | 2.05 | 2.26 | 2.51 | 2.77 | 3.05 |
| 14 | .735 | .769 | .833 | .885 | .935 | .980 | 1.02 | 1.07 | 1.11 | 1.15 | 1.19 | 1.24 | 1.28 | 1.47 | 1.61 | 1.78 | 1.94 | 2.10 | 2.29 | 2.48 |
| 16 | .725 | .763 | .813 | .855 | .893 | .935 | .971 | 1.01 | 1.05 | 1.08 | 1.12 | 1.16 | 1.19 | 1.34 | 1.48 | 1.63 | 1.77 | 1.93 | 2.09 | 2.28 |
| 18 | .719 | .752 | .800 | .833 | .877 | .909 | .943 | .980 | 1.01 | 1.04 | 1.08 | 1.11 | 1.14 | 1.27 | 1.40 | 1.53 | 1.67 | 1.80 | 1.95 | 2.11 |
| 20 | .717 | .746 | .787 | .826 | .855 | .893 | .917 | .952 | .980 | 1.01 | 1.04 | 1.07 | 1.10 | 1.22 | 1.34 | 1.45 | 1.57 | 1.69 | 1.82 | 1.96 |
| 24 | .714 | .735 | .769 | .800 | .820 | .847 | .877 | .901 | .935 | .962 | .980 | 1.01 | 1.04 | 1.15 | 1.26 | 1.37 | 1.48 | 1.59 | 1.71 | 1.84 |

MOLINE CONVEYOR AND ELEVATOR CHAIN SELECTION DATA

ELEVATOR AND CONVEYOR CHAIN SELECTION

In determining the proper chain and sprockets for use in a particular conveyor or elevator operation, chain speed and pull are the most important factors. The pull or force needed to overcome the friction and load of a conveyor is transmitted by the chain; therefore, the chain must have sufficient strength to withstand the starting and live loads of the conveyor.

In selecting a conveyor chain, there are many practical aspects to decide upon in addition to strength and speed: factors such as length of operation, ambient conditions, loading methods, result of failure (such as loss of life, production, etc.), and lubrication. Use the General Design Procedure Check List below to aid you in designing your conveyor system.

General Design Procedure Check List:

- Conveyor type (single strand, parallel strand, inclined, etc.)
- Speed of both shafts (feet per minute)
- Approximate shaft center distance (feet)
- Approximate bore and diameter of each sprocket (inches)
- Chain pitch (inches)
- Chain speed (feet per minute)
- Chain pull
- Required horsepower
- Kind of conveyed materials (bulky, abrasive, packaged, etc.)
- Weight of conveyed material (pounds per conveyor foot)
- Weight of carriers (pans, shafts, slats, etc.—pounds per conveyor foot)
- Size and spacing of carriers (inches)
- Practical factor checks (loading speed, hours of daily operation, protected or unprotected from weather, lubrication, etc.)



SELECTING THE PROPER LAYOUT

From the layouts presented here, select the one which best typifies the conveyor system you wish to install. The following symbols are used in the formulas which accompany the layouts:

C = average weight of chain, slats, buckets, etc. per conveyor foot in pounds

D = diameter of roller in inches

d = diameter of roller bore in inches

f₁ = coefficients of sliding friction for Moline Chain (Table "B")

f₂ = coefficients of sliding materials (Table "C")

f₃ = friction coefficient for bulk material over 6" deep sliding against trough sides (Table "C")

f₄ = friction coefficient for chain roller on runaway = $\frac{f_5 d}{D}$

f₅ = friction coefficient for rolling chain = .45 dry, .35 lubricated—cored bore, .40 dry, .25 lubricated—machine bore

H = horsepower (at head shaft)

K = depth of material in inches (used only with bulk material over 6 inches deep)

MOLINE CONVEYOR AND ELEVATOR CHAIN SELECTION DATA

L = length of conveyor in feet as shown in diagrams

M = factor for estimating additional pull for buckets digging or picking up material (Table "A")

θ = angle of inclination of conveyor in degrees

P = maximum chain pull in pounds

P_A = chain pull in pounds (at points indicated in diagram)
P_B

R = radius of foot sprocket in inches

S = chain speed in feet per minute

T = torsional pull in pounds

V = vertical lift on elevators in feet, as shown in diagram

W = average weight of material per conveyor foot in pounds

Y = WRM (additional pull caused by buckets digging or picking up material)

CONVEYOR CHAIN SELECTION CHART (PGS. 10, 11)

| CHAIN TYPE | LAYOUT NO. 1 | LAYOUT NO. 2 | LAYOUT NO. 3 | LAYOUT NO. 4 | LAYOUT NO. 5 | LAYOUT NO. 6 | LAYOUT NO. 7 | LAYOUT NO. 8 | LAYOUT NO. 9 |
|-------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|
| | HORIZONTAL CONVEYOR Material Being Carried Chain Sliding | HORIZONTAL CONVEYOR Material Being Carried Chain Rolling | HORIZONTAL CONVEYOR Material Sliding Chain Sliding | HORIZONTAL CONVEYOR Material Sliding Chain Rolling | INCLINED CONVEYOR Material Being Carried Chain Sliding | INCLINED CONVEYOR Material Being Carried Chain Rolling | INCLINED CONVEYOR Material Sliding Chain Sliding | INCLINED CONVEYOR Material Sliding Chain Rolling | VERTICAL CONVEYOR Material Being Carried |
| SS CLASS BUSHED STEEL | X | | X | | X | | X | | X |
| MSR CLASS BUSHED ROLLER | X | X | X | X | X | X | X | X | X |
| COMBINATION | X | | X | | X | | X | | X |
| "H" CLASS MILL | X | | X | | X | | X | | X |
| REFUSE-DRAG | | | X | | | | X | | |
| COMBINATION TYPE REFUSE | | | X | | | | X | | |
| TRANSFER | X | | | | X | | | | |
| ROLLER TOP | X | | | | X | | | | |
| 400 CLASS PINTLE | X | | X | | X | | X | | X |
| 700 CLASS PINTLE | X | | X | | X | | X | | X |
| 900 CLASS PINTLE | X | | | | X | | | | |
| DETACHABLE | X | | X | | X | | X | | X |
| MC-33 CLASS PINTLE | X | | | | X | | | | |



ENGINEERING DATA

MOLINE CONVEYOR AND ELEVATOR CHAIN SELECTION DATA

TABLE A—M VALUES

Factors Used in Estimating Additional Pull Due to Buckets Digging or Picking Up Material

| NATURE OF MATERIAL | M FACTORS | |
|--------------------|----------------------|---------------------|
| | CENTRIFUGAL ELEVATOR | CONTINUOUS ELEVATOR |
| Fine | 1.70 | .50 |
| Mixed | 2.00 | .84 |
| Lumpy | 2.30 | 1.18 |

TABLE B—f₁ VALUES (SLIDING FRICTION)

FRICTION COEFFICIENTS FOR SLIDING MOLINE CHAIN

| | |
|------------------------------------|---------|
| Moline Chain on Cast Ferrous | .30—.50 |
| Moline Chain on Hard Wood | .45 |
| Moline Chain on Steel (Dry) | .33 |
| Moline Chain on Steel (Lubricated) | .20 |

SPEED CORRECTION FACTORS

Due to variations in the ratio of chain speed to the number of teeth in the driving sprockets, it is necessary to use speed correction factors. These factors are listed in Table "D".

The calculated chain pull is multiplied successively by the appropriate service and speed correction factors according to this formula:

$$\begin{matrix} \text{(Calculated} \\ \text{chain} \\ \text{pull)} \end{matrix} \times \begin{matrix} \text{(Service} \\ \text{factors)} \end{matrix} \times \begin{matrix} \text{(Speed} \\ \text{correction} \\ \text{factor)} \end{matrix} = \begin{matrix} \text{Corrected} \\ \text{chain} \\ \text{pull} \end{matrix}$$

The result is a corrected chain pull which approximates actual operating conditions. The selected chain should have a working load in excess of the corrected chain pull to assure long, trouble-free chain life.

TABLE D—CORRECTION FACTORS: DETACHABLE, PINTLE, AND COMBINATION CHAIN

| Number of Teeth in Driving Wheel | Chain Speed in Feet Per Minute (FPM) | | | | | | | | | | | | |
|----------------------------------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 10 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 |
| 6 | 1.05 | 1.25 | 1.57 | 1.92 | 2.28 | 2.75 | 3.31 | 4.08 | 5.03 | — | — | — | — |
| 7 | .97 | 1.10 | 1.29 | 1.46 | 1.64 | 1.84 | 2.07 | 2.34 | 2.62 | 2.98 | 3.39 | 3.92 | 4.52 |
| 8 | .93 | 1.04 | 1.19 | 1.32 | 1.44 | 1.57 | 1.71 | 1.86 | 2.02 | 2.20 | 2.40 | 2.62 | 2.85 |
| 9 | .91 | .99 | 1.12 | 1.23 | 1.34 | 1.44 | 1.55 | 1.66 | 1.77 | 1.89 | 2.01 | 2.15 | 2.29 |
| 10 | .89 | .96 | 1.07 | 1.16 | 1.25 | 1.33 | 1.41 | 1.49 | 1.57 | 1.66 | 1.75 | 1.84 | 1.92 |
| 11 | .87 | .94 | 1.02 | 1.10 | 1.18 | 1.25 | 1.32 | 1.39 | 1.46 | 1.53 | 1.60 | 1.68 | 1.74 |
| 12 | .85 | .90 | .99 | 1.06 | 1.13 | 1.20 | 1.26 | 1.32 | 1.38 | 1.45 | 1.51 | 1.56 | 1.62 |
| 14 | .84 | .89 | .95 | 1.01 | 1.06 | 1.12 | 1.17 | 1.22 | 1.27 | 1.32 | 1.37 | 1.42 | 1.46 |
| 16 | .83 | .87 | .92 | .97 | 1.02 | 1.07 | 1.11 | 1.15 | 1.20 | 1.24 | 1.28 | 1.33 | 1.37 |
| 18 | .82 | .86 | .91 | .95 | 1.00 | 1.04 | 1.08 | 1.12 | 1.15 | 1.19 | 1.23 | 1.27 | 1.30 |
| 20 | .82 | .85 | .90 | .94 | .98 | 1.02 | 1.05 | 1.09 | 1.12 | 1.16 | 1.19 | 1.23 | 1.26 |
| 24 | .81 | .84 | .87 | .91 | .94 | .97 | 1.00 | 1.03 | 1.06 | 1.09 | 1.12 | 1.16 | 1.19 |

TABLE C—f₂ f₃ VALUES AND WEIGHTS OF MATERIALS (SLIDING FRICTION)

Average Weight per Cubic Foot Pounds and Vertical and Horizontal Coefficients of Friction for Various Materials on Steel Plate

| MATERIAL | AVERAGE WEIGHT Per Cubic Foot | f ₂ Vertical Factor | f ₃ Horizontal Factor |
|-------------------|-------------------------------|--------------------------------|----------------------------------|
| Ashes (dry) | 35—40 | .50 | .026 |
| (wet) | 45—50 | .60 | .018 |
| Cement (clinker) | 75—80 | .70 | .082 |
| (Portland) | 75—85 | .65 | .086 |
| Coal (Anthracite) | 52—57 | .38 | .050 |
| (Bituminous) | 40—50 | .60 | .049 |
| Coke (Breeze) | 25—35 | .65 | .028 |
| Grain | 38—45 | .40 | .044 |
| Gravel | 90—100 | .60 | .084 |
| (wet) | 90—110 | .60 | .135 |
| Sand (dry) | 110—130 | .85 | .165 |
| (foundry) | 90—110 | .85 | .068 |
| Sawdust | 10—13 | .40 | .005 |
| Stone (crushed) | 90—95 | .60 | .112 |
| Wood Chips | 12—20 | .40 | .005 |

SERVICE FACTORS

Service factors are used to compensate for unfavorable operating conditions, such as shock, characteristics of loading, conditions of operation, and daily operating periods. They are listed in Table "E".

TABLE E—SERVICE FACTORS

| CONDITIONS OF OPERATION | SERVICE FACTOR |
|-----------------------------------------|----------------|
| Shock Frequency | |
| Infrequent | 1.0 |
| Frequent | 1.2 |
| Type of Loading | |
| Uniform or Steady | 1.0 |
| Moderate Shock Load | 1.2 |
| Heavy Shock Load | 1.5 |
| Ambient Conditions | |
| Clean and Moderate Temperature | 1.0 |
| Moderately Abrasive | 1.2 |
| Abrasive, High Temperature, Unprotected | 1.4 |
| Length of Operation | |
| 8 to 10 hours per day | 1.0 |
| 10 to 24 hours per day | 1.2 |



MOLINE CONVEYOR AND ELEVATOR CHAIN SELECTION DATA

LAYOUT NO. 1 HORIZONTAL CONVEYOR

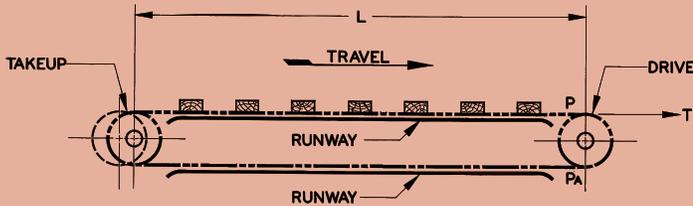
Material Being Carried—Chain Sliding

$$P_A = \text{ZERO}$$

$$P = Lf_1 (2C+W)$$

$$T = P$$

$$H = \frac{TS 1.15}{33,000}$$



LAYOUT NO. 2 HORIZONTAL CONVEYOR

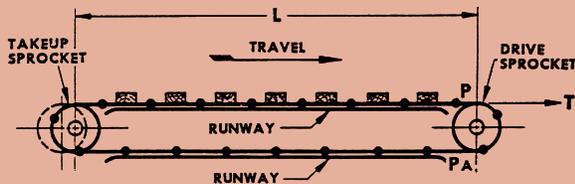
Material Being Carried—Chain Rolling

$$P_A = \text{ZERO}$$

$$P = Lf_4 (2C+W)$$

$$T = P$$

$$H = \frac{TS 1.15}{33,000}$$



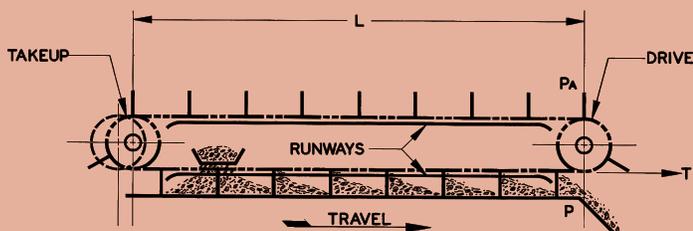
LAYOUT NO. 3 HORIZONTAL CONVEYOR

Material Sliding—Chain Sliding

$$P_A = \text{ZERO}$$

$$P = L (2 Cf_1 + Wf_2 + K^2 f_3^*)$$

Use $K^2 f_3^$ only when material is over 6" deep



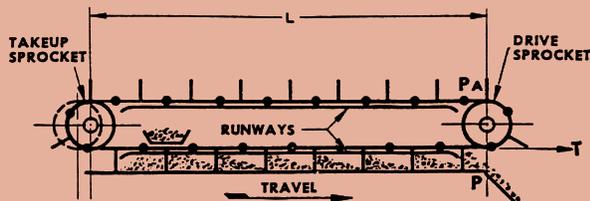
LAYOUT NO. 4 HORIZONTAL CONVEYOR

Material Sliding—Chain Rolling

$$P_A = \text{ZERO}$$

$$P = L (2 Cf_4 + Wf_2 + K^2 f_3^*)$$

Use $K^2 f_3^$ only when material is over 6" deep



LAYOUT NO. 5 INCLINED CONVEYOR

Material Being Carried—Chain Sliding

$$P_A = \text{ZERO when } f_1 \cos \theta \text{ is more than } \sin \theta$$

$$P_A = LC (\sin \theta - f_1 \cos \theta) \text{ when } f_1 \cos \theta \text{ is less than } \sin \theta$$

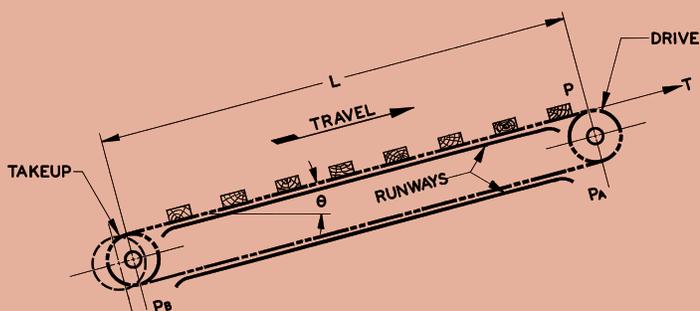
$$P_B = \text{ZERO when } f_1 \cos \theta \text{ is less than } \sin \theta$$

$$P_B = LC (f_1 \cos \theta - \sin \theta) \text{ when } f_1 \cos \theta \text{ is more than } \sin \theta$$

$$P = L [(C+W) (f_1 \cos \theta + \sin \theta)] + P_B$$

$$T = \frac{P - P_A}{2}$$

$$H = \frac{TS 1.15}{33,000}$$





ENGINEERING DATA

LAYOUT NO. 6 INCLINED CONVEYOR

Material Being Carried—Chain Rolling

$P_A = \text{ZERO}$ when $f_4 \text{ Cos } \theta$ is more than $\text{Sin } \theta$

$P_A = LC (\text{Sin } \theta - f_4 \text{ Cos } \theta)$ when $f_4 \text{ Cos } \theta$ is less than $\text{Sin } \theta$

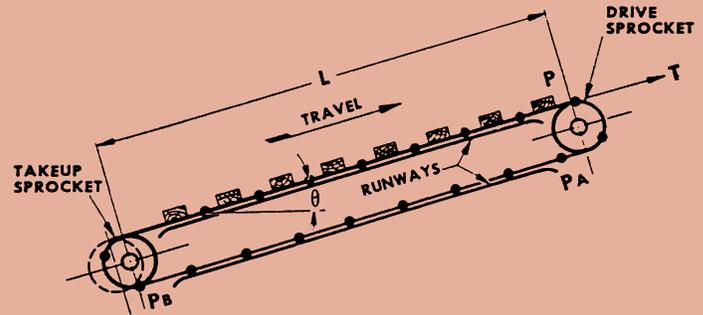
$P_B = \text{ZERO}$ when $f_4 \text{ Cos } \theta$ is less than $\text{Sin } \theta$

$P_B = LC (f_4 \text{ Cos } \theta - \text{Sin } \theta)$ when $f_4 \text{ Cos } \theta$ is more than $\text{Sin } \theta$

$P = L [(C+W) (f_4 \text{ Cos } \theta + \text{Sin } \theta)] + P_B$

$T = P - P_A$

$H = \frac{TS \ 1.15}{33,000}$



LAYOUT NO. 7 INCLINED CONVEYOR

Material Sliding—Chain Sliding

$P_A = \text{ZERO}$ when $f_1 \text{ Cos } \theta$ is more than $\text{Sin } \theta$

$P_A = LC (\text{Sin } \theta - f_1 \text{ Cos } \theta)$ when $f_1 \text{ Cos } \theta$ is less than $\text{Sin } \theta$

$P_B = \text{ZERO}$ when $f_1 \text{ Cos } \theta$ is less than $\text{Sin } \theta$

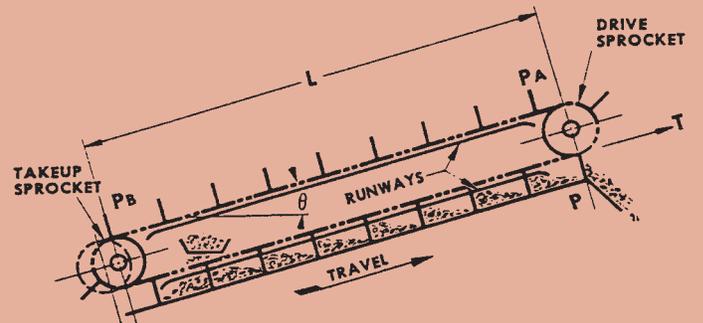
$P_B = LC (f_1 \text{ Cos } \theta - \text{Sin } \theta)$ when $f_1 \text{ Cos } \theta$ is more than $\text{Sin } \theta$

$P = L [C (f_1 \text{ Cos } \theta + \text{Sin } \theta) + W (f_2 \text{ Cos } \theta + \text{Sin } \theta) + K^2 f_3^*] + P_B$

$T = P - P_A$

$H = \frac{TS \ 1.15}{33,000}$

*Use $K^2 f_3$ only when material is over 6" deep



LAYOUT NO. 8 INCLINED CONVEYOR

Material Sliding—Chain Rolling

$P_A = \text{ZERO}$ when $f_4 \text{ Cos } \theta$ is more than $\text{Sin } \theta$

$P_A = LC (\text{Sin } \theta - f_4 \text{ Cos } \theta)$ when $f_4 \text{ Cos } \theta$ is less than $\text{Sin } \theta$

$P_B = \text{ZERO}$ when $f_4 \text{ Cos } \theta$ is less than $\text{Sin } \theta$

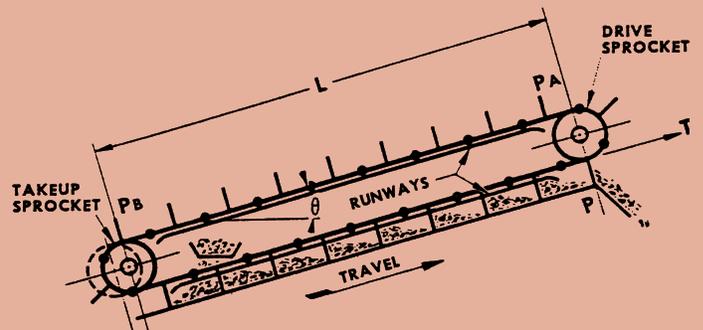
$P_B = LC (f_4 \text{ Cos } \theta - \text{Sin } \theta)$ when $f_4 \text{ Cos } \theta$ is more than $\text{Sin } \theta$

$P = L [C (f_4 \text{ Cos } \theta + \text{Sin } \theta) + W (f_2 \text{ Cos } \theta + \text{Sin } \theta) + K^2 f_3^*] + P_B$

$T = P - P_A$

$H = \frac{TS \ 1.15}{33,000}$

*Use $K^2 f_3$ only when material is over 6" deep



LAYOUT NO. 9 VERTICAL CONVEYOR

Material Being Carried

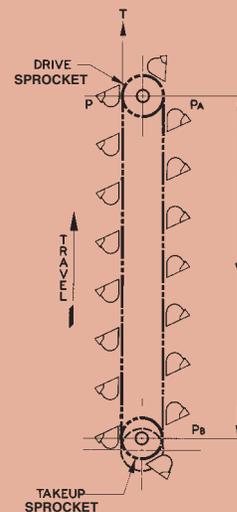
$P_A = VC$

$P_B = \text{ZERO}$

$P = V (C+W) + Y$

$T = P - P_A$

$H = \frac{TS \ 1.15}{33,000}$



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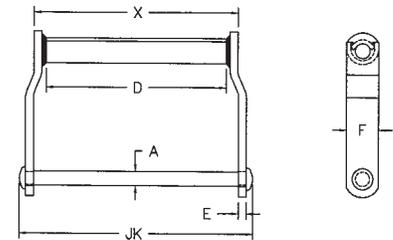
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WELDED DRAG CHAIN

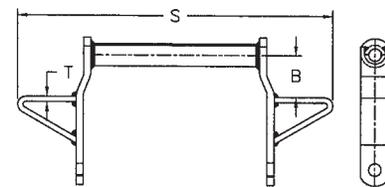
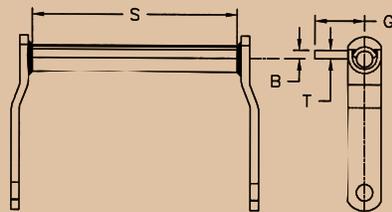


DRAG CHAINS

Welded steel drag chains are of all-steel, welded rugged construction for most drag applications. With their large, wide pushing area, they provide a sizeable carrying capacity when operated at moderate speeds and also keep the chain from riding over the top of the material. Can be used in the same troughs and over the same sprockets as their cast chain counterparts.



| CHAIN NUMBER | PITCH | AVERAGE ULTIMATE STRENGTH LBS. | RATED WORKING LOAD LBS. | APPROX. LINKS IN 10 FEET | AVERAGE WEIGHT PER FOOT | OVERALL WIDTH JK | LENGTH OF BEARING X | RIVET DIAMETER A | SIDE BAR THICKNESS E | MAX. SPKT. FACE D | SIDE BAR WIDTH F |
|--------------|-------|--------------------------------|-------------------------|--------------------------|-------------------------|------------------|---------------------|------------------|----------------------|-------------------|------------------|
| WD104 | 6.000 | 51,000 | 8,500 | 20 | 8.7 | 6.88 | 5.38 | .75 | .38 | 4.12 | 1.50 |
| WD110 | 6.000 | 51,000 | 8,500 | 20 | 12.0 | 11.88 | 10.38 | .75 | .38 | 9.00 | 1.50 |
| WDH110 | 6.000 | 60,000 | 10,000 | 20 | 12.0 | 11.88 | 10.38 | .75 | .38 | 9.00 | 1.50 |
| WD120 | 6.000 | 70,000 | 11,700 | 20 | 19.4 | 12.00 | 10.12 | .88 | .50 | 8.50 | 2.00 |
| WD122 | 8.000 | 70,000 | 11,700 | 15 | 16.0 | 12.00 | 10.12 | .88 | .50 | 8.50 | 2.00 |
| WD480 | 8.000 | 70,000 | 11,700 | 15 | 18.1 | 14.62 | 12.75 | .88 | .50 | 11.00 | 2.00 |
| WDH480 | 8.000 | 90,000 | 15,000 | 15 | 18.1 | 14.62 | 12.75 | .88 | .50 | 11.00 | 2.00 |



DRAG CHAIN ATTACHMENTS

| ATTACHMENT NUMBER | CHAIN NUMBER | S | B | G | T |
|-------------------|--------------|------|------|------|-----|
| C1 | WD104 | 4.12 | .38 | 2.25 | .38 |
| C1 | WDH110 | 9.12 | .38 | 2.25 | .38 |
| W1 | WD104 | 12 | 1.88 | — | .38 |
| W1 | WDH110 | 17 | 1.88 | — | .38 |
| W1 | WD120 | 17 | 1.75 | — | .50 |
| W1 | WDH480 | 22 | 2.50 | — | .50 |

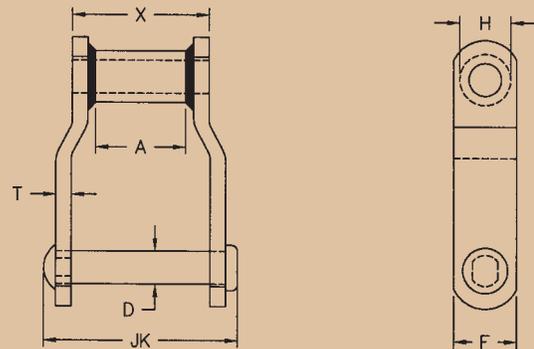
- ★ Two Piece welded barrel construction—provides more rivet contact and better scraping action.
- ★ Reverse Barrel configuration also available.
- ★ Sidebars are pierced and broach to a precise pitch tolerance to insure proper strand length and give more bearing surface in the hole to increase surface area for the press fit of the pin.
- ★ Automated welding is used on both the construction of the two piece barrel and the welding of the link.



WELDED MILL CHAIN

OFFSET MILL TYPE CHAINS

Welded steel mill chains are recommended for most conveying, driving, and elevating applications where a high-strength steel rollerless chain is required. These chains will operate on the same sprockets as those of the replaceable cast chains. A complete line of attachments and optional heat treatment make them easily adaptable to a wide variety of applications.



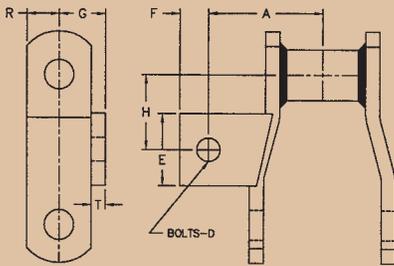
| CHAIN NO. | PITCH | AVERAGE ULTIMATE STRENGTH LBS. | RATED WORKING LOAD LBS. | APPROX. LINKS IN 10 FEET | AVERAGE WEIGHT PER FOOT | OVERALL WIDTH JK | LENGTH OF BEARING X | RIVET DIAMETER D | SIDE BAR THICKNESS T | SIDE BAR WIDTH F | BARREL DIAM. H | MAX. SPKT. FACE A |
|-----------|-------|--------------------------------|-------------------------|--------------------------|-------------------------|------------------|---------------------|------------------|----------------------|------------------|----------------|-------------------|
| WH188 | 2.609 | 30,000 | 2,850 | 46 | 3.8 | 2.69 | 1.62 | .50 | .25 | 1.12 | .88 | .88 |
| WH78 | 2.609 | 30,000 | 3,500 | 46 | 4.0 | 3.00 | 2.00 | .50 | .25 | 1.12 | .88 | 1.12 |
| WH78-4 | 4.000 | 30,000 | 3,500 | 30 | 4.0 | 3.00 | 2.00 | .50 | .25 | 1.12 | .88 | 1.12 |
| WH82 | 3.075 | 36,000 | 4,400 | 39 | 4.8 | 3.25 | 2.25 | .56 | .25 | 1.25 | 1.06 | 1.25 |
| WH124 | 4.000 | 69,000 | 7,200 | 30 | 8.3 | 4.25 | 2.75 | .75 | .38 | 1.50 | 1.25 | 1.50 |
| WH124HD | 4.063 | 100,000 | 10,500 | 30 | 14.7 | 4.75 | 3.00 | 1.00 | .50 | 2.00 | 1.62 | 1.62 |
| WH111 | 4.760 | 91,000 | 8,850 | 26 | 9.5 | 4.88 | 3.38 | .75 | .38 | 1.75 | 1.25 | 2.00 |
| WH106 | 6.000 | 69,000 | 7,200 | 20 | 7.0 | 4.25 | 2.75 | .75 | .38 | 1.50 | 1.25 | 1.62 |
| WH106HD | 6.000 | 92,500 | 7,875 | 20 | 9.0 | 4.75 | 3.00 | .75 | .50 | 1.50 | 1.25 | 1.62 |
| WH106XHD | 6.000 | 115,000 | 10,500 | 20 | 11.8 | 4.88 | 3.00 | 1.00 | .50 | 2.00 | 1.62 | 1.62 |
| WH110 | 6.000 | 69,000 | 7,875 | 20 | 7.2 | 4.62 | 3.00 | .75 | .38 | 1.50 | 1.25 | 1.88 |
| WH132 | 6.050 | 115,000 | 15,300 | 20 | 14.2 | 6.25 | 4.38 | 1.00 | .50 | 2.00 | 1.62 | 2.88 |
| WH132HD | 6.050 | 139,500 | 16,200 | 20 | 16.4 | 6.75 | 4.62 | 1.00 | .62 | 2.00 | 1.62 | 2.88 |
| WH150 | 6.050 | 116,000 | 15,300 | 20 | 16.8 | 6.25 | 4.38 | 1.00 | .50 | 2.50 | 1.62 | 2.88 |
| WH150HD | 6.050 | 168,000 | 16,200 | 20 | 19.3 | 6.75 | 4.62 | 1.00 | .62 | 2.50 | 1.62 | 2.88 |
| WH150XHD | 6.050 | 161,000 | 18,200 | 20 | 19.7 | 6.75 | 4.62 | 1.12 | .62 | 2.50 | 1.62 | 2.88 |

- ★ Rivets are press fit to insure against pin rotation.
- ★ Automated welding is used to insure consistent welds and barrel location.
- ★ Pins, Barrels and sidebars are heat-treated as an Allied-Locke standard, to increase wear life of the chain. Chain with heat-treated rivets only are available upon request.

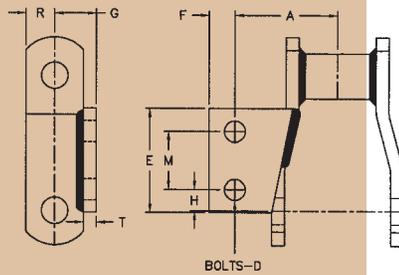
WELDED MILL CHAIN ATTACHMENTS



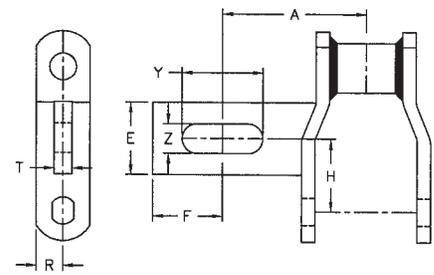
A1 ATTACHMENT



A2 ATTACHMENT

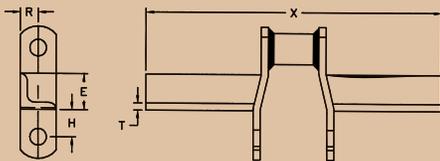


A225 ATTACHMENT

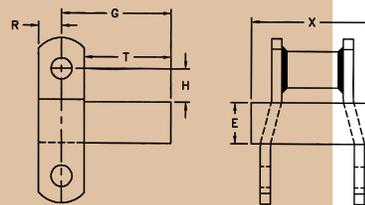


| ATTACHMENT NUMBER | CHAIN NUMBER | WEIGHT PER FOOT LBS. | A | D | E | F | G | H | K | M | R | T | X | Y | Z |
|-------------------|--------------|----------------------|------|-----|------|------|------|------|---|------|------|------|-------|------|-----|
| A1 | WH78 | 4.97 | 2.00 | .38 | 1.25 | .50 | .81 | 1.25 | — | — | .56 | .25 | — | — | — |
| A1 | WH82 | 6.50 | 2.13 | .38 | 1.75 | .62 | .94 | 1.50 | — | — | .62 | .25 | — | — | — |
| A1 | WH124 | 8.40 | 2.62 | .62 | 2.00 | .62 | 1.13 | 1.81 | — | — | .75 | .38 | — | — | — |
| A2 | WH78 | 4.50 | 2.00 | .38 | 2.13 | .50 | .78 | .41 | — | 1.13 | .56 | .25 | — | — | — |
| A2 | WH82 | 6.00 | 2.13 | .38 | 2.25 | .62 | .94 | .50 | — | 1.25 | .62 | .31 | — | — | — |
| A2 | WH124 | 10.00 | 2.62 | .38 | 3.00 | .88 | 1.13 | .88 | — | 1.94 | .75 | .38 | — | — | — |
| A2 | WH132 | 17.00 | 3.75 | .50 | 4.00 | .75 | 1.50 | 1.62 | — | 2.75 | 1.00 | .50 | — | — | — |
| A225 | WH124 | 8.90 | 4.00 | — | 2.00 | 1.94 | — | 2.00 | — | — | .75 | .50 | — | 2.25 | .88 |
| F10 | WH82 | 4.80 | — | — | 1.25 | — | — | .94 | — | — | .63 | .25 | 10.25 | — | — |
| F30 | WH78 | 9.90 | — | — | 1.00 | — | 2.69 | .81 | — | — | .56 | 2.13 | 3.00 | — | — |
| F659 | WH124 | 13.10 | — | — | 1.75 | — | 4.75 | .50 | — | — | .75 | — | 6.59 | — | — |

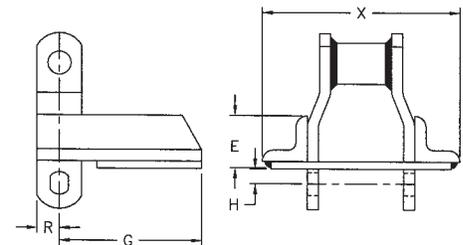
F10 ATTACHMENT



F30 ATTACHMENT



F659 ATTACHMENT



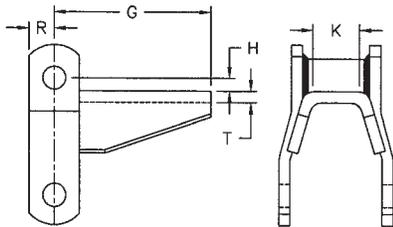
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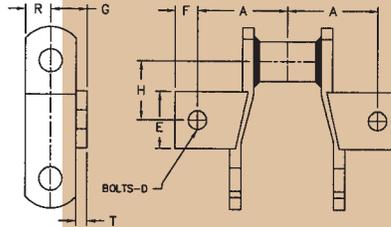


WELDED MILL CHAIN ATTACHMENTS

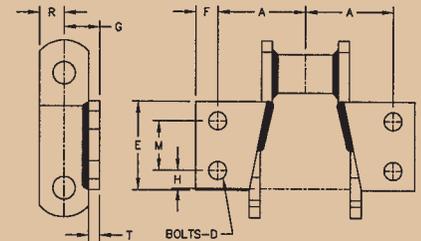
H2 ATTACHMENT



K1 ATTACHMENT

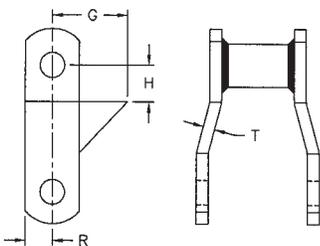


K2 ATTACHMENT

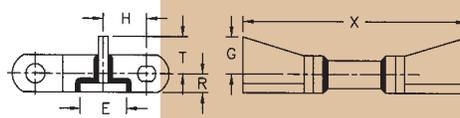


| ATTACHMENT NUMBER | CHAIN NUMBER | WEIGHT PER FOOT LBS. | A | D | E | F | G | H | K | M | R | T | X | Y | Z |
|-------------------|--------------|----------------------|------|-----|------|-----|-------|------|------|------|------|------|-------|---|---|
| H2 | WH78 | 4.75 | — | — | — | — | 3.56 | .31 | 1.10 | — | .56 | .25 | — | — | — |
| H2 | WH82 | 9.00 | — | — | — | — | 3.62 | .62 | 1.13 | — | .62 | .19 | — | — | — |
| K1 | WH78 | 4.97 | 2.00 | .38 | 1.25 | .50 | .81 | 1.25 | — | — | .56 | .25 | — | — | — |
| K1 | WH82 | 6.50 | 2.13 | .38 | 1.75 | .62 | .94 | 1.50 | — | — | .62 | .25 | — | — | — |
| K1 | WH124 | 11.70 | 2.62 | .62 | 2.00 | .62 | 1.13 | 1.81 | — | — | .75 | .38 | — | — | — |
| K2 | WH78 | 5.00 | 2.00 | .38 | 2.13 | .50 | .78 | .41 | — | 1.13 | .56 | .25 | — | — | — |
| K2 | WH82 | 8.00 | 2.13 | .38 | 2.25 | .62 | .94 | .50 | — | 1.25 | .62 | .31 | — | — | — |
| K2 | WH124 | 12.00 | 2.62 | .38 | 3.00 | .62 | 1.13 | .88 | — | 1.94 | .75 | .38 | — | — | — |
| K2 | WH132 | 19.00 | 3.75 | .50 | 4.00 | .75 | 1.50 | 1.62 | — | 2.75 | 1.00 | .50 | — | — | — |
| RR | WH78 | 4.70 | — | — | — | — | 1.50 | .75 | — | — | .56 | .25 | — | — | — |
| RR | WH82 | 7.00 | — | — | — | — | 1.75 | .81 | — | — | .62 | .25 | — | — | — |
| RR | WH124 | 10.00 | — | — | — | — | 1.88 | 1.50 | — | — | .75 | .38 | — | — | — |
| A11-Cradle | WH132 | 26.00 | — | — | 2.50 | — | 2.00 | 2.35 | — | — | 1.00 | .50 | 11.00 | — | — |
| C-Cradle | WH132 | 29.00 | — | — | 3.50 | — | 2.00 | 2.62 | — | — | 1.00 | 1.00 | 11.00 | — | — |
| Side Lift Chair | WH132 | 17.50 | — | — | — | — | 11.00 | — | — | — | 1.00 | 9.25 | — | — | — |

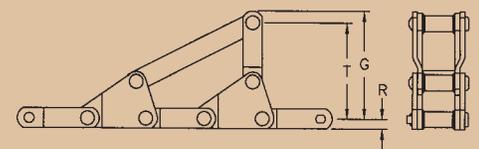
RR ATTACHMENT



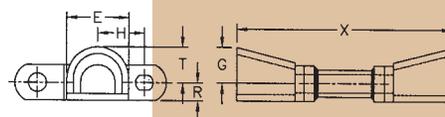
A11 CRADLE ATTACHMENT



SIDE LIFT CHAIR ATT.



C CRADLE ATTACHMENT



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 manufacture attachments
 per your specific request.

SS CLASS BUSHED STEEL CHAIN



SS CLASS BUSHED STEEL CHAIN MATERIALS

| MOLINE CHAIN NO. | PINS | BUSHINGS | SIDEBARS |
|------------------|---------------------------------|-----------------------------|----------------------------|
| SS 102B | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 110 | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 111 | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 131 | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 150+ | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 188 | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 856 | Alloy Steel, Induction Hardened | Alloy Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 857 | Alloy Steel, Induction Hardened | Alloy Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 859 | Alloy Steel, Induction Hardened | Alloy Steel, Case Hardened | Carbon Steel, Heat Treated |
| SS 864 | Alloy Steel, Induction Hardened | Alloy Steel, Case Hardened | Carbon Steel, Heat Treated |

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SS CLASS BUSHED STEEL CHAIN

Moline SS Bushed Steel Chain is ideal for operating under extremely gritty or abrasive conditions and for elevators where centers are widely spaced. This chain is often referred to as "Steel Bushed" or "Rollerless."

The parts are machined and heat treated with the goal of maximum strength and wear per pitch. Accurately manufactured sidebars assure tight pins and bushings and close pitch control. Sidebars are produced to accommodate the ends of the pins and bushings* which lock into position in the sidebars and will not rotate during chain operation.

The materials used are carefully selected. For example, the pins are alloy steel that contain nickel, chrome, and molybdenum which improves the chain life through its greater fatigue resistance, improved abrasive resistance, and increased tensile strength at both high and low temperatures. All of these factors result in a premium product for conveyor and elevator service for gritty, abrasive, and dusty fine particle materials such as ashes, crushed coal, soda ash, cement, crushed stone, and gravel.

These chains are available in pitch sizes: 2.609 to 6.050 inches; Average Ultimate Strengths from 25,000 to 200,000 pounds; Recommended Working Loads from 2,750 to 21,800 pounds.

Assorted attachments are offered.

SS Chain is offered in riveted and cottered construction except Nos. SS 856, SS 857 and SS 859, which are furnished in cottered construction only. All of the cottered construction chain uses T-head cotters. Cottered construction will be furnished unless Riveted is requested.

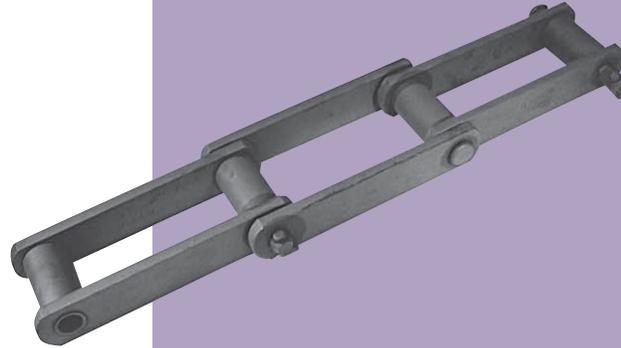
Moline SS Bushed Steel Chain is made in accordance with manufacturer's standards and may be interchanged with standard bushed steel chain of other manufacturers.

Sprockets are available in Brutaloy, cast steel, and flame cut when required.

***NOTE:** Bushing with milled ends used on SS188. Balance of SS Class Bushed Steel Chain manufactured with round bushing press fitted into side bars.



SS CLASS BUSHED STEEL CHAIN



ORDERING AND APPLICATION DATA

| | MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | AVERAGE WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD-LBS. | CHAIN AND ATTACHMENT CONSTRUCTION | ATTACHMENTS AVAILABLE |
|---------------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------|
| 2.609" PITCH CHAIN | SS 188* | 2.609 | 46 | 3.8 | 25,000 | 2,750 | Cottered or Riveted | A1/A2, A22, GI9, K1/K2, S1 |
| 3.075" PITCH CHAIN | SS 131 | 3.075 | 39 | 7.4 | 40,000 | 4,500 | Cottered or Riveted | A1, A2, K1, K2, S1 |
| 4.000" PITCH CHAIN | SS 102B | 4.000 | 30 | 6.9 | 40,000 | 6,300 | Cottered or Riveted | A2, K2, S1 |
| 4.760" PITCH CHAIN | SS 111 | 4.760 | 25.5 | 10.2 | 50,000 | 8,850 | Cottered or Riveted | A2, K2, S1 |
| 6.000" PITCH CHAIN | SS 110 | 6.000 | 20 | 6.3 | 40,000 | 6,300 | Cottered or Riveted | A2, K2 |
| | SS 856 | 6.000 | 20 | 16.5 | 100,000 | 14,000 | Cottered or Riveted | K2, K3, K6, K24, K35 |
| | SS 857 | 6.000 | 20 | 21.0 | 130,000 | 14,000 | Cottered Only | K44 |
| | SS 859 | 6.000 | 20 | 34.0 | 200,000 | 21,800 | Cottered Only | K44 |
| 6.050" PITCH CHAIN | SS 150+ | 6.050 | 20 | 16.6 | 100,000 | 15,100 | Cottered or Riveted | K2, K3, S1 |
| 7.000" PITCH CHAIN | SS 864 | 7.000 | 17 | 31.0 | 200,000 | 21,000 | Cottered only | K443 |

*NOTE: Bushing with milled ends used on SS188. Balance of SS Class Bushed Steel Chain manufactured with round bushing press fitted into side bars.

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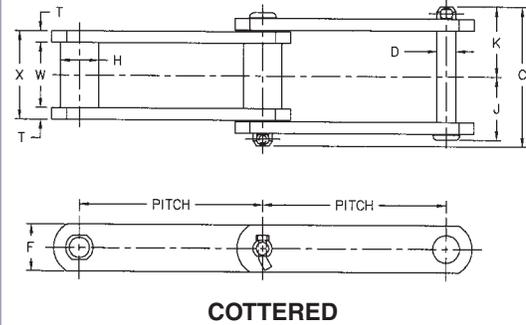
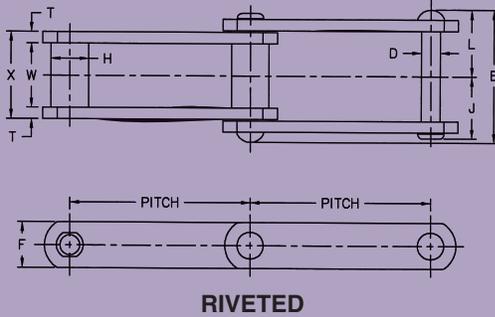
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Fax: 800-462-3130

Local:

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Fax: 815-288-7945

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SS CLASS BUSHED STEEL CHAIN



Available in riveted and cottered construction
Cottered furnished unless otherwise specified

| CHAIN PITCH | MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | |
|-------------|------------------|------------------------------|------------------------------|----------------------|-----------------------------|-------------------------|--------------------------|---------------------------------|-----------------------------------------|----------------------------------------|----------------------------|--------------------------------------|----------------------------------|
| | | PITCH | OVER-ALL WIDTH-COTTERED C | DIAMETER OF PIN D | OVER-ALL WIDTH-RIVETED E | HEIGHT OF SIDEBARS F | DIAMETER OF BUSHING H | HEAD OF PIN TO CENTER LINE J | END OF PIN TO CENTER LINE-COTTERED K | END OF PIN TO CENTER LINE-RIVETED L | THICKNESS OF SIDEBARS T | DISTANCE BETWEEN INNER SIDEBARS W | OVER-ALL LENGTH OF BUSHINGS X |
| 2.609" | SS 188* | 2.609 | 2.69 | 0.500 | 2.50 | 1.12 | 0.88 | 1.25 | 1.34 | 1.25 | 0.25 | 1.06 | 1.56 |
| 3.075" | SS 131 | 3.075 | 3.75 | 0.625 | 3.50 | 1.50 | 1.25 | 1.62 | 1.88 | 1.75 | 0.38 | 1.31 | 2.06 |
| 4.000" | SS 102B | 4.000 | 4.53 | 0.625 | 4.38 | 1.50 | 1.00 | 2.05 | 2.27 | 2.19 | 0.38 | 2.12 | 2.88 |
| 4.760" | SS 111 | 4.760 | 5.44 | 0.750 | 5.00 | 2.00 | 1.44 | 2.38 | 2.72 | 2.50 | 0.38 | 2.62 | 3.38 |
| 6.000" | SS 110 | 6.000 | 4.53 | 0.625 | 4.38 | 1.50 | 1.25 | 2.05 | 2.27 | 2.19 | 0.38 | 2.12 | 2.88 |
| | SS 856 | 6.000 | 6.31 | 1.000 | 6.00 | 2.50 | 1.75 | 2.91 | 3.16 | 3.00 | 0.50 | 3.00 | 4.00 |
| | SS 857 | 6.000 | #5.94 | 1.000 | — | **3.25 | 1.75 | 2.81 | 3.12 | — | 0.50 | 3.00 | 4.00 |
| | SS 859 | 6.000 | #7.25 | 1.250 | — | ©4.00 | 2.38 | 3.44 | 3.81 | — | 0.62 | 3.75 | 5.00 |
| 6.050" | SS 150+ | 6.050 | 6.62 | 1.000 | 6.50 | 2.50 | 1.75 | 3.06 | 3.31 | 3.25 | 0.50 | 3.31 | 4.31 |
| 7.000" | SS 864 | 7.000 | #7.25 | 1.250 | — | ©4.00 | 2.38 | 3.44 | 3.81 | — | 0.62 | 3.75 | 5.00 |

** Inside sidebar, outside sidebar=2.50; © Inside sidebar, outside sidebar=3.00; # Pin Heads same side

*NOTE: Bushings with milled ends used on SS188. Balance of SS Class Bushed Steel Chain manufactured with round bushings press fitted into side bars.

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Phone: 815-288-1471

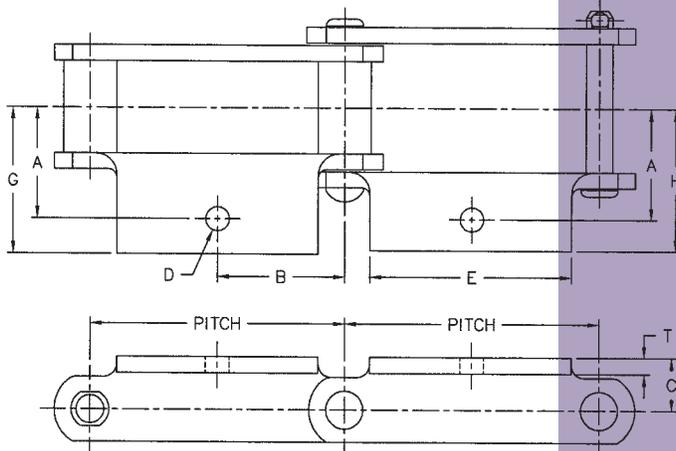
Fax: 815-288-7945

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SS CLASS BUSHED STEEL CHAIN ATTACHMENTS

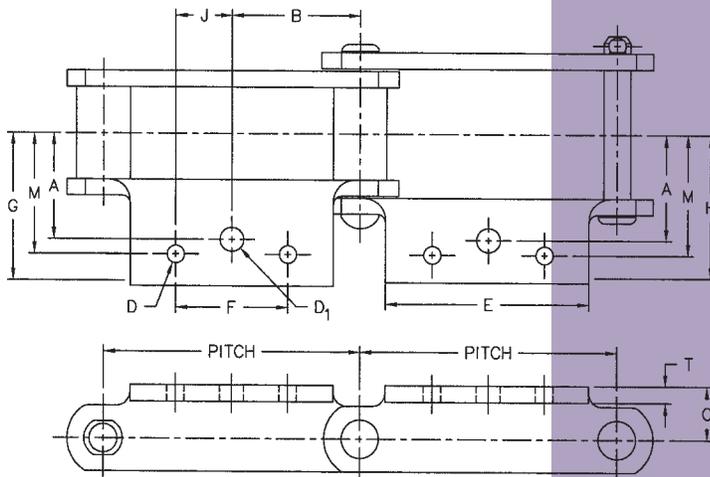
A1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | G | H | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | |
| SS 131-A1 | 3.075 | 2.06 | 1.54 | 1.00 | 0.50 | 0.56 | 2.50 | 2.78 | 2.69 | 0.38 | 8.9 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. | | |
|-----------------------|------------------------------|------|------|------|-----------|-----------|-----------|-----------|------|------|------|------|------|-----------------------------|------|-----|
| | PITCH | A | B | C | D | | D1 | | E | F | G | H | J | | M | T |
| | | | | | BOLT DIA. | HOLE DIA. | BOLT DIA. | HOLE DIA. | | | | | | | | |
| SS 188-A1/A2 | 2.609 | 1.88 | 1.31 | 0.81 | 0.31 | 0.34 | 0.38 | 0.41 | 2.12 | 1.25 | 2.53 | 2.56 | 0.62 | 2.09 | 0.25 | 4.8 |

A1/A2 ATTACHMENT



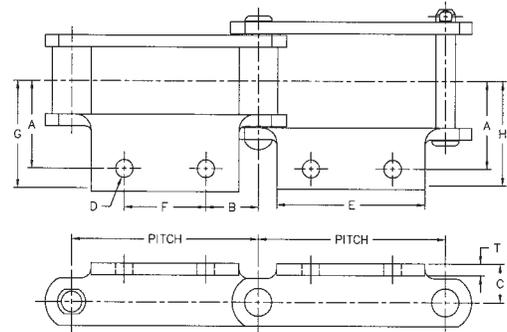
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SS CLASS BUSHED STEEL CHAIN ATTACHMENTS



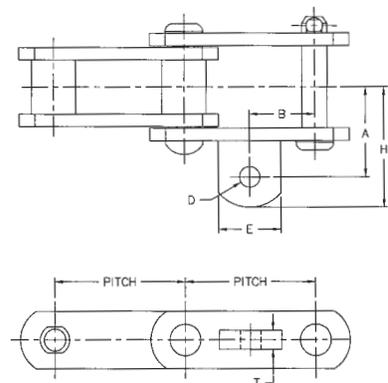
A2 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | F | G | H | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| SS 131-A2 | 3.075 | 2.06 | 0.79 | 1.00 | 0.50 | 0.56 | 2.50 | 1.50 | 2.78 | 2.69 | 0.38 | 8.9 |
| SS 102B-A2 | 4.000 | 2.66 | 1.12 | 1.00 | 0.38 | 0.41 | 2.62 | 1.75 | 3.20 | 3.36 | 0.38 | 8.0 |
| SS 111-A2 | 4.760 | 3.12 | 1.23 | 1.50 | 0.50 | 0.56 | 3.62 | 2.31 | 3.75 | 3.90 | 0.38 | 12.4 |
| SS 110-A2 | 6.000 | 2.66 | 2.12 | 1.00 | 0.38 | 0.41 | 2.88 | 1.75 | 3.19 | 3.36 | 0.38 | 7.5 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|---------------|---------------|------|------|------|-----------------------------|
| | PITCH | A | B | D | | E | H | T | |
| | | | | BOLT DIAMETER | HOLE DIAMETER | | | | |
| SS 188-A22 | 2.609 | 1.78 | 1.31 | 0.38 | 0.41 | 1.25 | 2.38 | 0.38 | 4.8 |

A22 ATTACHMENT



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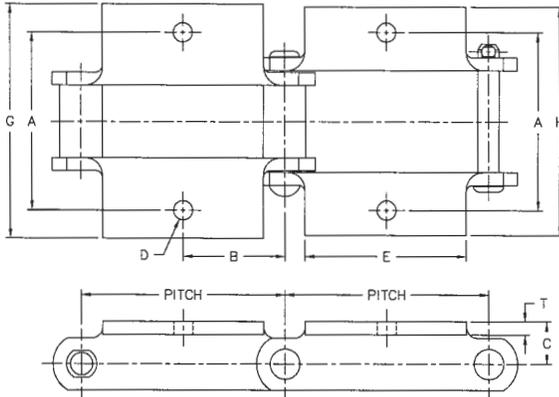
Phone: 815-288-1471
Fax: 815-288-7945

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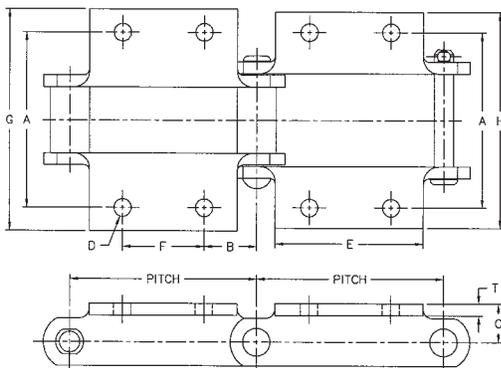
K1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | G | H | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | |
| SS 131-K1 | 3.075 | 4.12 | 1.54 | 1.00 | 0.50 | 0.56 | 2.50 | 5.56 | 5.38 | 0.38 | 10.2 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. | |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|-----------------------------|------|
| | PITCH | A | B | C | D | | E | F | G | H | | T |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| SS 131-K2 | 3.075 | 4.12 | 0.79 | 1.00 | 0.50 | 0.56 | 2.50 | 1.50 | 5.56 | 5.38 | 0.38 | 10.2 |
| SS 102B-K2 | 4.000 | 5.31 | 1.12 | 1.00 | 0.38 | 0.41 | 2.62 | 1.75 | 6.41 | 6.72 | 0.38 | 9.0 |
| SS 111-K2 | 4.760 | 6.25 | 1.23 | 1.50 | 0.50 | 0.56 | 3.62 | 2.31 | 7.50 | 7.81 | 0.38 | 15.2 |
| SS 110-K2 | 6.000 | 5.31 | 2.12 | 1.00 | 0.38 | 0.41 | 2.88 | 1.75 | 6.38 | 6.72 | 0.38 | 8.6 |
| SS 856-K2 | 6.000 | 6.31 | 1.88 | 1.88 | 0.50 | 0.56 | 4.25 | 2.25 | 9.00 | 9.06 | 0.50 | 23.0 |
| SS150+-K2 | 6.050 | 7.50 | 1.65 | 1.88 | 0.50 | 0.56 | 4.25 | 2.75 | 9.31 | 9.38 | 0.50 | 23.0 |

K2 ATTACHMENT



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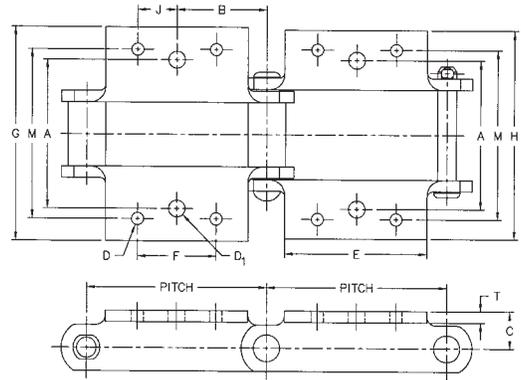
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SS CLASS BUSHED STEEL CHAIN ATTACHMENTS



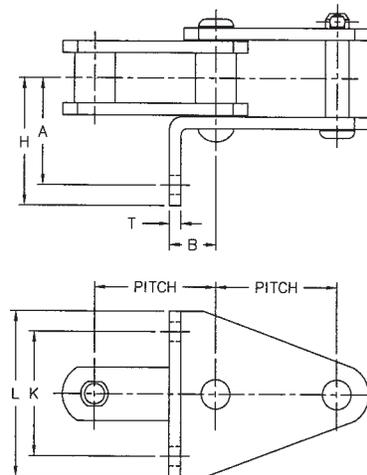
K1/K2 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------------|------------------------------|------|------|------|--------------|--------------|--------------|--------------|------|------|------|------|------|------|------|--------------------------------------|
| | PITCH | A | B | C | D | | D1 | | E | F | G | H | J | M | T | |
| | | | | | BOLT DIA. | HOLE DIA. | BOLT DIA. | HOLE DIA. | | | | | | | | |
| SS 188-K1/K2 | 2.609 | 3.75 | 1.30 | 0.81 | 0.31 | 0.34 | 0.38 | 0.41 | 2.12 | 1.25 | 5.06 | 5.12 | 0.62 | 4.19 | 0.25 | 5.7 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------------|------------------------------|------|------|------------------|------------------|------|------|------|------|-----|--------------------------------------|
| | PITCH | A | B | D | | H | K | L | T | | |
| | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| SS188-G19 | 2.609 | 2.25 | 1.00 | 0.38 | 0.41 | 2.69 | 2.62 | 3.50 | 0.25 | 5.1 | |
| SS102B-G19 | 4.000 | 3.06 | 1.50 | 0.50 | 0.53 | 3.62 | 3.25 | 4.50 | 0.38 | 9.8 | |

G19 ATTACHMENT



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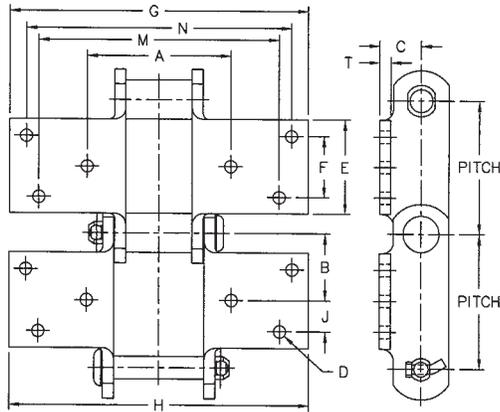
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Phone: 815-288-1471
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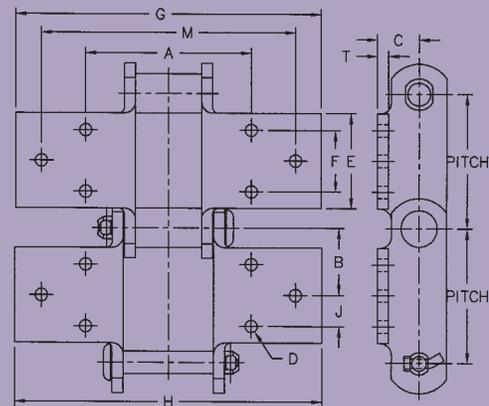


SS CLASS BUSHED STEEL CHAIN ATTACHMENTS

K3 ATTACHMENT



SS 856-K3

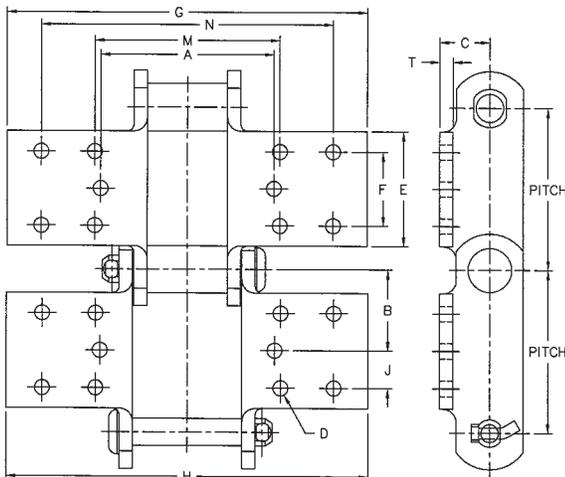


SS 150-K3

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|-------|-------|------|-------|-------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | F | G | H | J | M | N | T | | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | | |
| SS 856-K3 | 6.000 | 6.56 | 3.00 | 1.88 | 0.50 | 0.56 | 4.25 | 2.75 | 13.50 | 13.56 | 1.38 | 10.94 | 12.06 | 0.50 | 27.3 | |
| SS 150+-K3 | 6.050 | 7.50 | 3.02 | 1.88 | 0.50 | 0.56 | 4.25 | 2.75 | 13.81 | 13.88 | 1.38 | 11.50 | — | 0.50 | 26.9 | |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|-------|-------|------|------|-------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | F | G | H | J | M | N | T | | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | | |
| SS 856-K6 | 6.000 | 6.56 | 3.00 | 1.88 | 0.50 | 0.56 | 4.25 | 2.75 | 13.50 | 13.56 | 1.38 | 6.94 | 10.94 | 0.50 | 27.3 | |

K6 ATTACHMENT



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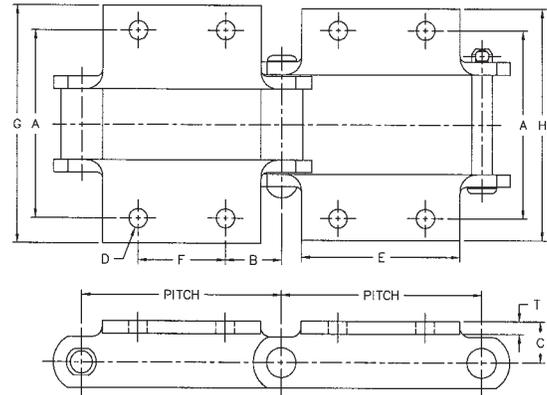
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SS CLASS BUSHED STEEL CHAIN ATTACHMENTS



K24 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | F | G | H | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| SS 856-K24 | 6.000 | 7.25 | 1.75 | 1.88 | 0.62 | 0.69 | 4.25 | 2.50 | 9.00 | 9.06 | 0.50 | 23.0 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|-------|-------|------|-------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | F | G | H | J | M | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| SS 856-K35 | 6.000 | 7.25 | 3.00 | 1.88 | 0.62 | 0.69 | 4.25 | 2.50 | 13.50 | 13.56 | 1.25 | 11.75 | 0.50 | 27.3 |

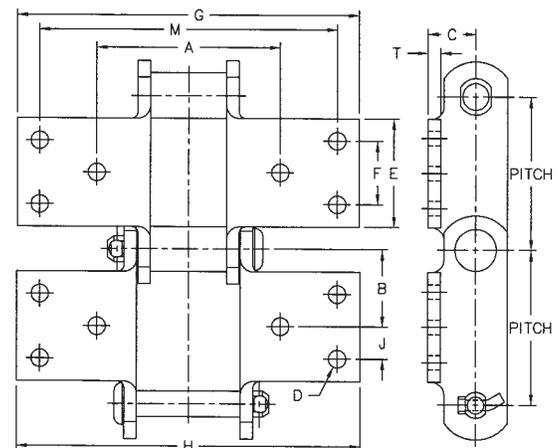
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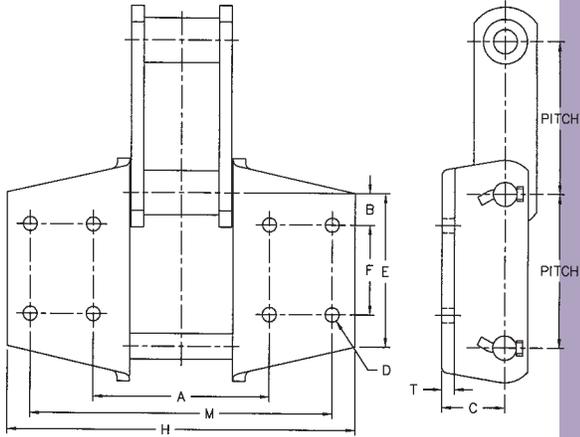
K35 ATTACHMENT



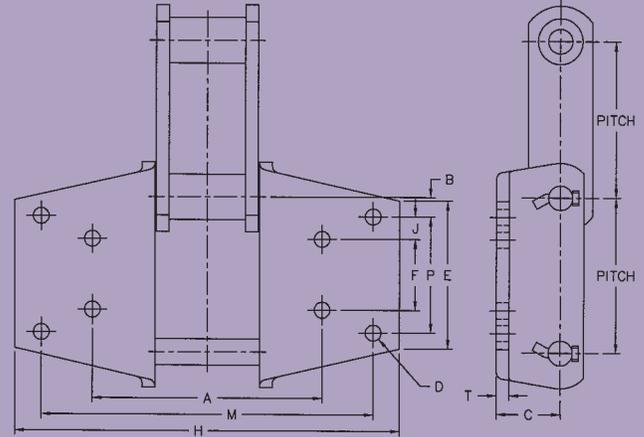


SS CLASS BUSHED STEEL CHAIN ATTACHMENTS

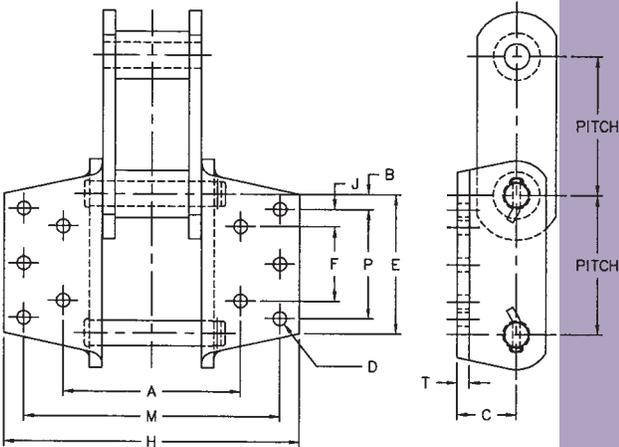
K44 ATTACHMENT



SS 857-K44



SS 859-K44



SS 864-K443

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------------|------------------------------|------|------|------|------------------|------------------|------|------|-------|------|-------|------|------|--------------------------------------|
| | PITCH | A | B | C | D | | E | F | H | J | M | P | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| SS 857-K44 | 6.000 | 7.00 | 1.25 | 2.50 | 0.50 | 0.56 | 6.00 | 3.50 | 13.81 | — | 12.00 | — | 0.50 | 42.0 |
| SS 859-K44 | 6.000 | 9.00 | 0.75 | 3.00 | 0.62 | 0.69 | 6.75 | 2.75 | 15.06 | 0.88 | 13.00 | 4.50 | 0.62 | 68.0 |
| SS 864-K443 | 7.000 | 9.00 | 0.75 | 3.00 | 0.62 | 0.69 | 7.00 | 3.75 | 15.00 | 0.88 | 13.00 | 5.50 | 0.62 | 55.0 |

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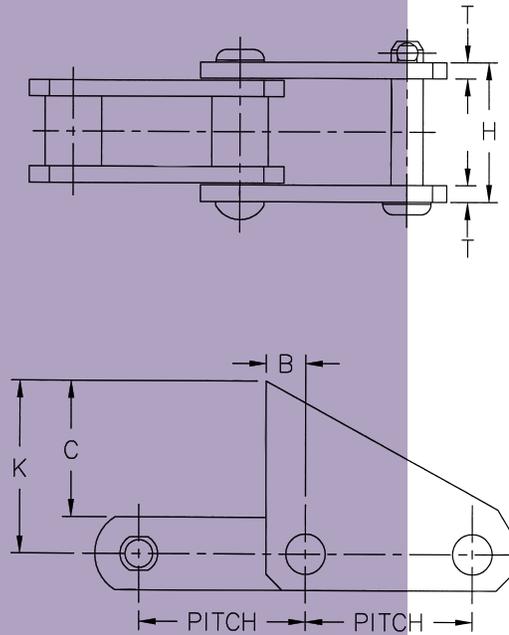
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SS CLASS BUSHED STEEL CHAIN ATTACHMENTS



S1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------------|------------------------------|------|------|------|------|------|--------------------------------------|
| | PITCH | B | C | H | K | T | |
| SS 188-S1 | 2.609 | 0.62 | 2.06 | 2.12 | 2.62 | 0.25 | 6.2 |
| SS 131-S1 | 3.075 | 0.78 | 2.50 | 2.88 | 3.25 | 0.38 | 11.3 |
| SS 102B-S1 | 4.000 | 0.81 | 3.00 | 3.72 | 3.75 | 0.38 | 9.7 |
| SS 111-S1 | 4.760 | 1.00 | 3.25 | 4.19 | 4.25 | 0.38 | 13.0 |
| SS 150+-S1 | 6.050 | 1.28 | 3.75 | 5.38 | 5.00 | 0.50 | 21.7 |

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Local:

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MSR CLASS BUSHED ROLLER STEEL CHAIN

MSR Class Bushed Roller Steel Chain has high strength and long wear, and is manufactured for heavy duty operation under severe conditions. Pins and bushings lock into specially produced sidebars, assuring close pitch control and achieving as close to 100% bearing between the pin and sidebar as possible. This configuration is frequently referred to as a "bushed roller".

Moline chain parts are manufactured from carefully selected raw material, machined and heat treated employing precise and exacting specifications; the parts are assembled with dispatch and precision for maximum performance and service.

This class of chain is available in a wide range of pitch sizes. Average Ultimate Strength and Recommended Working Load are conservatively stated in all sizes to support optimum performance with long life. This chain is made according to manufacturers' standards and may be interchanged with standard bushed roller chain of other manufacturers. It is offered in four styles that are shown in the dimensional drawings.

Assorted attachments are offered in a wide range of MSR chain.

MSR chain is available in riveted and cottered construction except as noted. Cottered construction will be furnished unless riveted is requested, except 81X and MSR 303.

Sprockets are available in Brutaloy, cast steel, and flame cut when required.

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Toll Free:

Phone: 800-435-7752

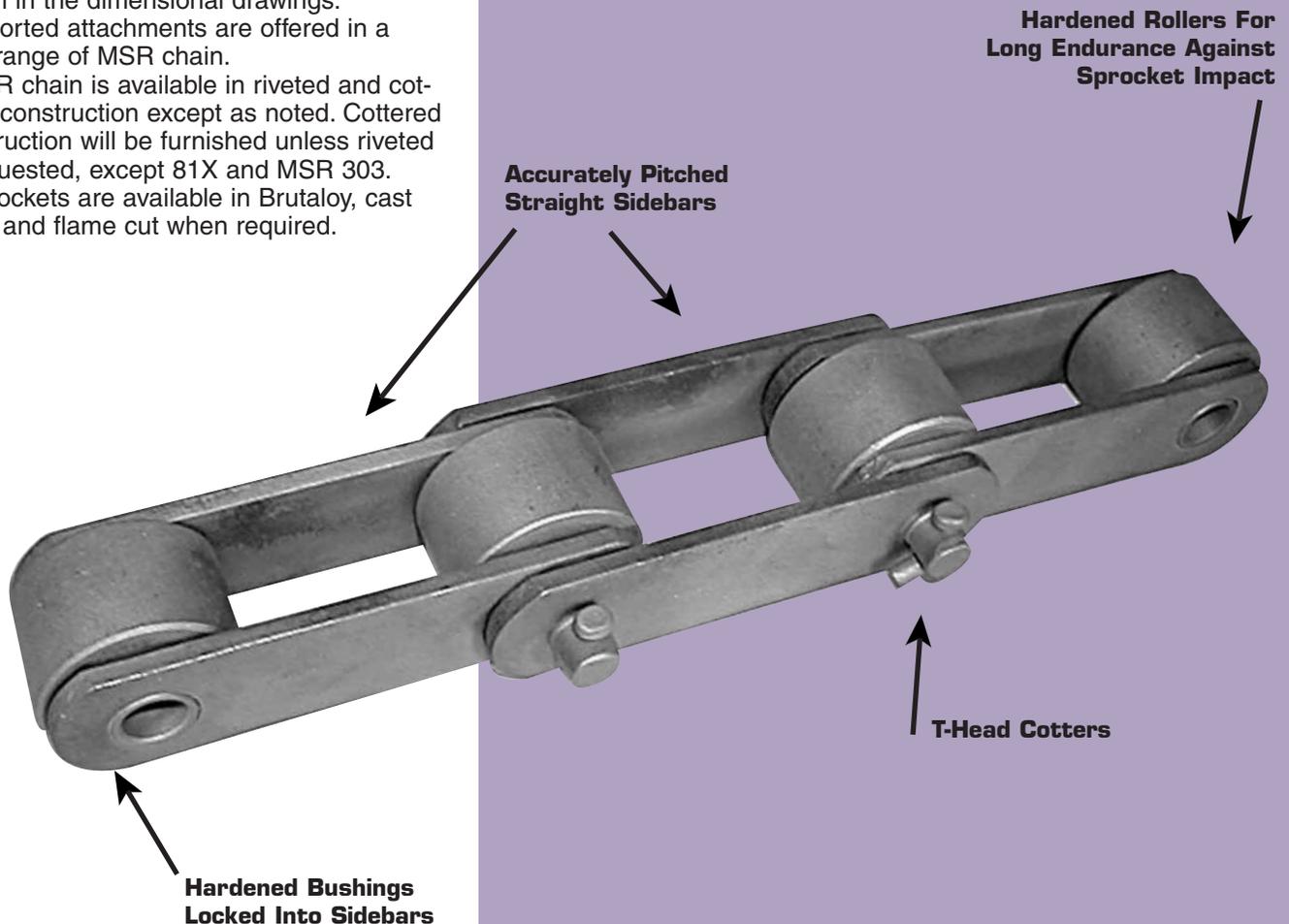
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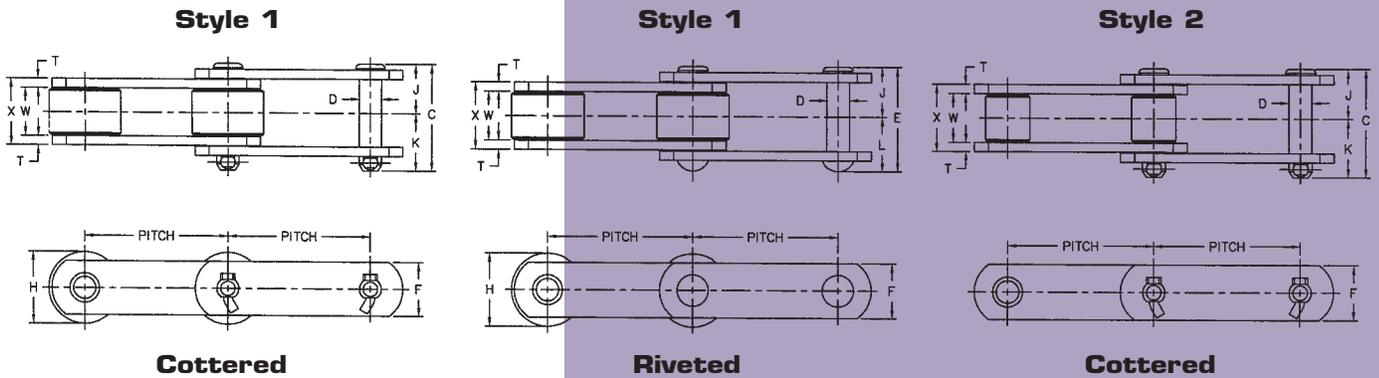
MSR CLASS BUSHED ROLLER STEEL CHAIN



| MOLINE CHAIN NO. | ROLLERS | PINS | BUSHINGS | SIDEBARS |
|------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|
| 81 X | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| 81 XH | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| 81 XHD | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 149 | Carbon Steel, Case Hardened | Carbon Steel, Thru Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 303 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 944+ | Carbon Steel, Case Hardened | Carbon Steel, Thru Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 996 | Carbon Steel, Case Hardened | Carbon Steel, Thru Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 1114 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Alloy Steel, Case Hardened | Carbon Steel |
| MSR 1116 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 1317 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 1539 | Alloy Steel, Thru Hardened | Alloy Steel, Case Hardened | Alloy Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 2184P | Carbon Steel, Case Hardened | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 2188 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Alloy Steel, Case Hardened | Carbon Steel |
| MSR 2198 | Carbon Steel, Case Hardened | Alloy Steel, Thru Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 3013 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 4013 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 4019 | Carbon Steel, Case Hardened | Carbon Steel, Thru Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 4119 | Carbon Steel, Case Hardened | Carbon Steel, Thru Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 4216 | Carbon Steel, Case Hardened | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 4328 | Carbon Steel, Case Hardened | Alloy Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Heat Treated |
| MSR 6018 | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 6238 | Carbon Steel, Case Hardened | Carbon Steel, Thru Hardened | Carbon Steel, Case Hardened | Carbon Steel |
| MSR 9063 | Carbon Steel, Case Hardened | Alloy Steel, Thru Hardened | Carbon Steel, Case Hardened | Alloy Steel, Heat Treated |



MSR CLASS BUSHED ROLLER STEEL CHAIN

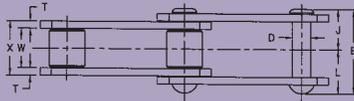


| MOLINE CHAIN NO. | STYLE | PITCH IN INCHES | LINKS PER 10 FEET | AVERAGE WEIGHT PER FT. LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD-LBS. | CHAIN AND ATTACHMENT CONSTRUCTION | ATTACHMENTS AVAILABLE |
|---------------------------------------------|-------|-----------------|-------------------|-----------------------------|--------------------------------|---------------------------------------|-----------------------------------|-----------------------|
| 2.609" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | |
| 81 X | 2 | 2.609 | 46 | 2.4 | 24,000 | 2,100 | Cottered or Riveted | H |
| 81 XH | 2 | 2.609 | 46 | 4.2 | 42,000 | 2,100 | Riveted | None |
| 81 XHD | 2 | 2.609 | 46 | 4.6 | 42,000 | 2,100 | Riveted | None |
| 3.000" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | |
| MSR 303 | 2 | 3.000 | 40 | 1.9 | 10,000 | 1,800 | Riveted Only | D5 |
| MSR 3013 | 1 | 3.000 | 40 | 4.0 | 13,000 | 2,100 | Cottered or Riveted | A1/A2, A42, D5, K1-K2 |
| MSR 1317 | 4 | 3.000 | 40 | 4.5 | 13,000 | 2,100 | Cottered or Riveted | None |
| 3.075" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | |
| MSR 1539 | 2 | 3.075 | 39 | 7.0 | 40,000 | 4,650 | Cottered or Riveted | A2 |
| 4.000" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | |
| MSR 149 | 1 | 4.000 | 30 | 10.2 | 40,000 | 4,500 | Cottered or Riveted | G19 |
| MSR 2188 | 1 | 4.000 | 30 | 7.0 | 28,000 | 4,200 | Cottered or Riveted | A2, K2 |
| MSR 4013 | 1 | 4.000 | 30 | 3.4 | 13,000 | 2,100 | Cottered or Riveted | A1/A2, A42, K1/K2 |
| MSR 4019 | 1 | 4.000 | 30 | 4.1 | 19,000 | 2,450 | Cottered or Riveted | A1/A2, K1/K2 |
| MSR 4119 | 1 | 4.000 | 30 | 4.5 | 19,000 | 2,450 | Cottered or Riveted | D5 |
| MSR 4216 | 1 | 4.000 | 30 | 4.9 | 16,000 | 2,300 | Cottered or Riveted | A1/A2 |
| MSR 4328 | 1 | 4.000 | 30 | 10.2 | 40,000 | 4,500 | Cottered or Riveted | A1, K1 |
| 6.000" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | |
| MSR 944+ | 2 | 6.000 | 20 | 9.3 | 60,000 | 5,900 | Cottered or Riveted | None |
| MSR 996 | 1 | 6.000 | 20 | 11.8 | 70,000 | 5,900 | Cottered or Riveted | K2 |
| MSR 1114 | 1 | 6.000 | 20 | 6.3 | 28,000 | 4,200 | Cottered or Riveted | A2, A42 |
| MSR 1116 | 1 | 6.000 | 20 | 5.0 | 21,000 | 3,450 | Cottered or Riveted | A2, A42, K2 |
| MSR 2198 | 1 | 6.000 | 20 | 18.2 | 100,000 | 7,650 | Cottered Only | K2 only ev. 1 |
| MSR 9063 | 1 | 6.000 | 20 | 18.7 | 140,000 | 7,400 | Cottered Only | K2 only ev. 1 |
| MSR 6018 | 1 | 6.000 | 20 | 4.6 | 18,000 | 2,500 | Cottered or Riveted | A1/A2, K1/K2 |
| MSR 6238 | 1 | 6.000 | 20 | 10.9 | 38,000 | 5,600 | Cottered Only | A2, K2 |
| 6.000" PITCH CHAIN—OFFSET SIDEBARS | | | | | | | | |
| MSR 2184P | 3 | 6.000 | 20 | 12.3 | 75,000 | 6,500 | Cottered Only | A42 |

MSR CLASS BUSHED ROLLER STEEL CHAIN

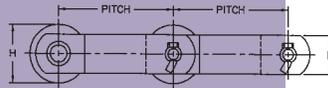
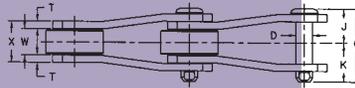


Style 2



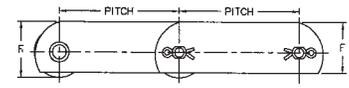
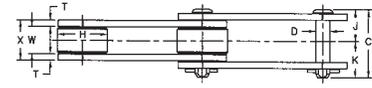
Riveted

Style 3



Cottered

Style 4



Cottered

DIMENSIONS IN DECIMAL INCHES

| MOLINE CHAIN NO. | STYLE | PITCH IN INCHES | OVER-ALL WIDTH-COTTERED C | DIAMETER OF PIN D | OVER-ALL WIDTH-RIVETED E | HEIGHT OF SIDEBAR F | DIAMETER OF ROLLER H | HEAD OF PIN TO CENTER LINE J | COTTERED END OF PIN TO CENTER LINE K | RIVETED END OF PIN TO CENTER LINE L | THICKNESS OF SIDEBAR T | DISTANCE BETWEEN SIDEBARS W | LENGTH OF BUSHINGS X |
|---------------------------------------------|-------|-----------------|------------------------------|----------------------|-----------------------------|------------------------|-------------------------|---------------------------------|-----------------------------------------|----------------------------------------|---------------------------|--------------------------------|-------------------------|
| | | | | | | | | | | | | | |
| 2.609" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | | | | | | |
| 81 X | 2 | 2.609 | 2.08 | 0.438 | 2.00 | 1.12 | 0.91 | 1.00 | 1.08 | 1.00 | 0.16 | 1.07 | 1.38 |
| 81 XH | 2 | 2.609 | 2.50 | 0.438 | 2.38 | 1.27 | 0.91 | 1.19 | 1.31 | 1.19 | *.31/Δ.22 | 1.07 | 1.72 |
| 81 XHD | 2 | 2.609 | 2.75 | 0.438 | 2.62 | 1.27 | 0.91 | 1.31 | 1.44 | 1.31 | 0.31 | 1.07 | 1.72 |
| 3.000" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | | | | | | |
| MSR 303 | 2 | 3.000 | — | 0.438 | 1.65 | 1.00 | 0.88 | 0.84 | — | 0.81 | 0.19 | 0.50 | 0.88 |
| MSR 3013 | 1 | 3.000 | 2.25 | 0.438 | 2.16 | 1.12 | 1.50 | 1.03 | 1.22 | 1.12 | 0.19 | 1.00 | 1.38 |
| MSR 1317 | 4 | 3.000 | 2.25 | 0.438 | 2.16 | 1.50 | 1.50 | 1.03 | 1.22 | 1.12 | 0.19 | 1.00 | 1.38 |
| 3.075" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | | | | | | |
| MSR 1539 | 2 | 3.075 | 3.50 | 0.625 | 3.28 | 1.50 | 1.25 | 1.59 | 1.91 | 1.69 | 0.31 | 1.50 | 2.12 |
| 4.000" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | | | | | | |
| MSR 149 | 1 | 4.000 | 3.50 | 0.625 | 3.38 | 1.50 | 2.25 | 1.62 | 1.88 | 1.75 | 0.38 | 1.31 | 2.06 |
| MSR 2188 | 1 | 4.000 | 3.25 | 0.625 | 3.12 | 1.50 | 1.75 | 1.50 | 1.75 | 1.62 | 0.31 | 1.31 | 1.94 |
| MSR 4013 | 1 | 4.000 | 2.25 | 0.438 | 2.16 | 1.12 | 1.50 | 1.03 | 1.22 | 1.12 | 0.19 | 1.00 | 1.38 |
| MSR 4019 | 1 | 4.000 | 2.44 | 0.500 | 2.31 | 1.25 | 1.50 | 1.16 | 1.28 | 1.16 | 0.25 | 0.88 | 1.38 |
| MSR 4119 | 1 | 4.000 | 2.44 | 0.500 | 2.31 | 1.25 | 1.75 | 1.16 | 1.28 | 1.16 | 0.25 | 0.88 | 1.38 |
| MSR 4216 | 1 | 4.000 | 2.37 | 0.438 | 2.28 | 1.25 | 2.00 | 1.09 | 1.28 | 1.19 | 0.19 | 1.12 | 1.50 |
| MSR 4328 | 1 | 4.000 | 3.50 | 0.625 | 3.38 | 1.50 | 2.25 | 1.62 | 1.88 | 1.75 | 0.38 | 1.31 | 2.06 |
| 6.000" PITCH CHAIN—STRAIGHT SIDEBARS | | | | | | | | | | | | | |
| MSR 944+ | 2 | 6.000 | 3.97 | 0.750 | 3.75 | 2.00 | 1.88 | 1.81 | 2.16 | 1.94 | 0.38 | 1.50 | 2.25 |
| MSR 996 | 1 | 6.000 | 3.97 | 0.750 | 3.75 | 2.00 | 2.75 | 1.81 | 2.16 | 1.94 | 0.38 | 1.50 | 2.25 |
| MSR 1114 | 1 | 6.000 | 3.25 | 0.625 | 3.12 | 1.50 | 2.00 | 1.50 | 1.75 | 1.62 | 0.31 | 1.31 | 1.94 |
| MSR 1116 | 1 | 6.000 | 2.94 | 0.562 | 2.81 | 1.50 | 2.00 | 1.31 | 1.62 | 1.50 | 0.25 | 1.25 | 1.75 |
| MSR 2198 | 1 | 6.000 | 4.44 | 0.875 | — | 2.25 | 2.75 | 2.06 | 2.38 | — | 0.50 | 1.50 | 2.50 |
| MSR 6018 | 1 | 6.000 | 2.62 | 0.438 | 2.53 | 1.25 | 2.00 | 1.22 | 1.41 | 1.31 | 0.25 | 1.12 | 1.62 |
| MSR 6238 | 1 | 6.000 | 3.75 | 0.750 | — | 2.00 | 2.50 | 1.72 | 2.03 | — | 0.38 | 1.38 | 2.12 |
| MSR 9063 | 1 | 6.000 | 3.98 | 0.938 | — | 2.50 | 3.00 | 1.78 | 2.16 | — | 0.38 | 1.50 | 2.25 |
| 6.000" PITCH CHAIN—OFFSET SIDEBARS | | | | | | | | | | | | | |
| MSR 2184P | 3 | 6.000 | 3.84 | 0.875 | — | 2.00 | 3.00 | 1.75 | 2.09 | — | 0.38 | 1.38 | 2.12 |

*F1 Over-All Chain Height=2.75

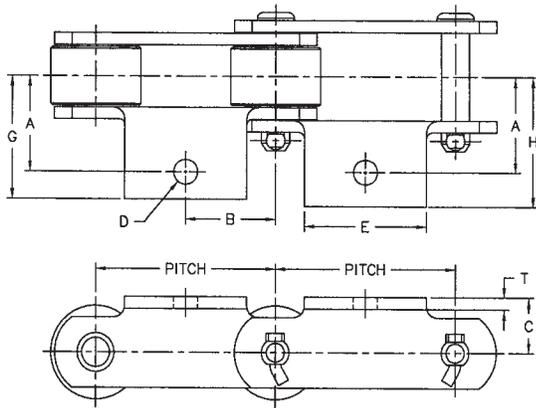
* inner S/B

Δ outer S/B



MSR CLASS BUSHED ROLLER STEEL CHAIN ATTACHMENTS

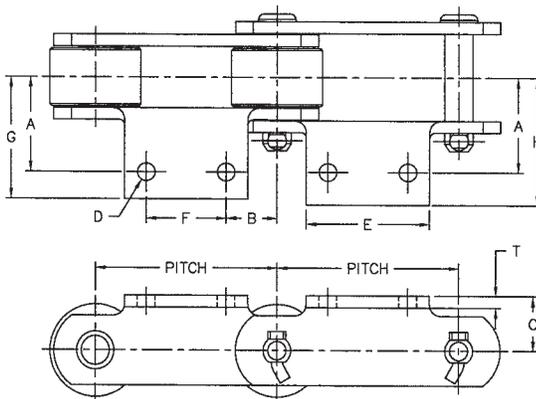
A1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | G | H | T | | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| MSR 4328-A1 | 4.000 | 2.00 | 2.00 | 1.25 | 0.50 | 0.56 | 2.00 | 2.78 | 2.94 | 0.38 | 11.2 | |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | F | G | H | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| MSR 1114-A2 | 6.000 | 2.00 | 2.00 | 1.12 | 0.38 | 0.41 | 3.50 | 2.00 | 2.56 | 2.92 | 0.31 | 8.5 |
| MSR 1116-A2 | 6.000 | 2.00 | 2.00 | 1.12 | 0.38 | 0.41 | 3.50 | 2.00 | 2.56 | 2.62 | 0.25 | 6.0 |
| MSR 1539-A2 | 3.075 | 2.00 | 0.59 | 1.25 | 0.31 | 0.34 | 2.75 | 1.88 | 2.50 | 2.59 | 0.31 | 8.0 |
| MSR 2188-A2 | 4.000 | 1.81 | 1.12 | 1.00 | 0.50 | 0.56 | 3.00 | 1.75 | 2.66 | 2.75 | 0.31 | 7.9 |
| MSR 6238-A2 | 6.000 | 2.12 | 1.69 | 1.62 | 0.50 | 0.56 | 5.38 | 2.62 | 2.94 | 2.84 | 0.38 | 12.0 |

A2 ATTACHMENT



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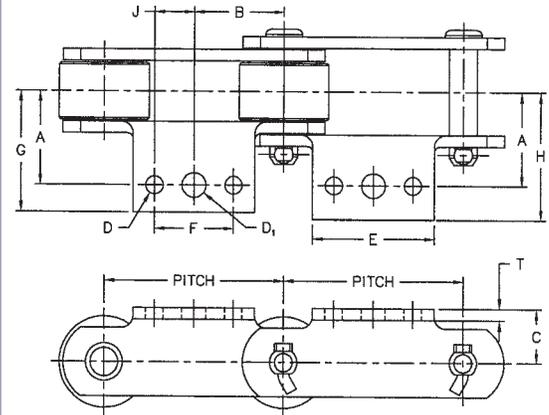
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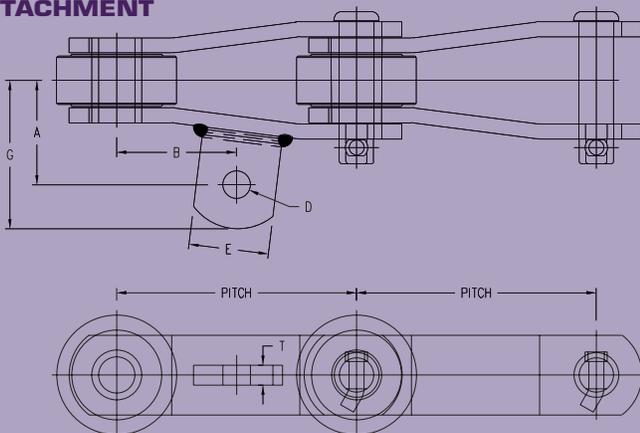
A1/A2 ATTACHMENT



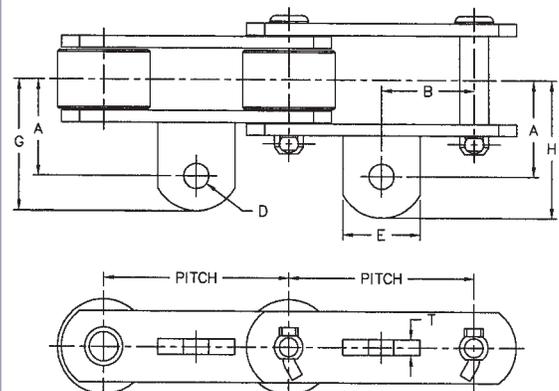
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|---------------|---------------|------|------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | D1 | | E | F | G | H | J | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| MSR 3013-A1/A2 | 3.000 | 1.47 | 1.50 | 0.81 | 0.25 | 0.28 | 0.31 | 0.34 | 2.00 | 1.06 | 1.97 | 2.16 | 0.53 | 0.19 | 4.5 |
| MSR 4013-A1/A2 | 4.000 | 1.38 | 2.00 | 0.81 | 0.31 | 0.34 | 0.38 | 0.41 | 2.50 | 1.19 | 1.97 | 2.16 | 0.59 | 0.19 | 3.9 |
| MSR 4019-A1/A2 | 4.000 | 1.38 | 2.00 | 0.88 | 0.38 | 0.41 | 0.38 | 0.41 | 2.50 | 1.50 | 1.88 | 1.91 | 0.75 | 0.25 | 4.7 |
| MSR 4216-A1/A2 | 4.000 | 2.00 | 2.00 | 1.12 | 0.38 | 0.41 | 0.38 | 0.41 | 3.25 | 2.00 | 2.62 | 2.83 | 1.00 | 0.19 | 6.5 |
| MSR 6018-A1/A2 | 6.000 | 2.00 | 3.00 | 1.25 | 0.38 | 0.41 | 0.38 | 0.41 | 3.00 | 2.00 | 2.50 | 2.53 | 1.00 | 0.25 | 5.4 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|-----------------------------|
| | PITCH | A | B | G | D | | E | H | T | | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | |
| MSR 1114-A42 | 6.000 | 2.34 | 3.00 | 3.16 | 0.62 | 0.69 | 2.00 | 3.16 | 0.50 | 6.8 | |
| MSR 1116-A42 | 6.000 | 2.34 | 3.00 | 3.12 | 0.62 | 0.69 | 2.00 | 3.16 | 0.50 | 6.2 | |
| MSR 3013-A42 | 3.000 | 1.56 | 1.50 | 2.12 | 0.38 | 0.41 | 1.25 | 2.22 | 0.25 | 4.3 | |
| MSR 4013-A42 | 4.000 | 1.62 | 2.00 | 2.12 | 0.38 | 0.41 | 1.25 | 2.12 | 0.38 | 3.7 | |
| MSR 2184P-A42 | 6.000 | 2.62 | 3.00 | 3.72 | 0.62 | 0.69 | 2.00 | 3.62 | 0.50 | 12.9 | |

MSR2184P-A42 ATTACHMENT



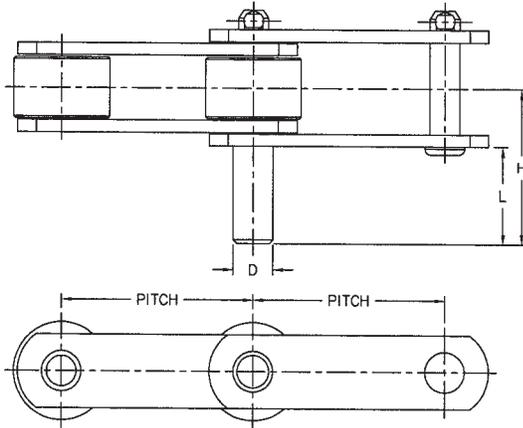
A42 ATTACHMENT





MSR CLASS BUSHED ROLLER STEEL CHAIN ATTACHMENTS

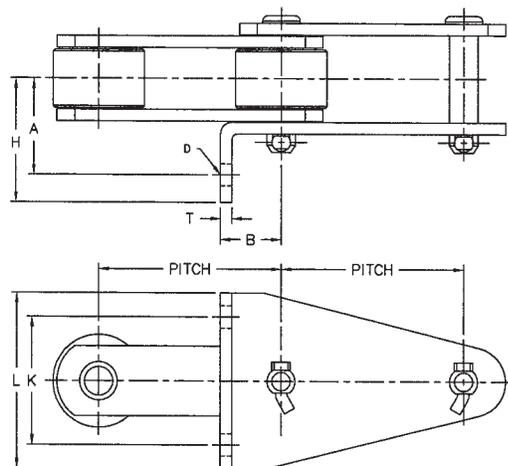
D5 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|-----------------------------|
| | PITCH | D | H | L | |
| MSR 303-D5 1/2 | 3.000 | 0.50 | 2.09 | 1.44 | 2.2 |
| MSR 303-D5 9/16 | 3.000 | 0.56 | 2.09 | 1.44 | 2.4 |
| MSR 3013-D5 5/8 | 3.000 | 0.62 | 2.41 | 1.50 | 4.7 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|---------------|---------------|------|------|------|------|-----------------------------|
| | PITCH | A | B | D | | H | K | L | T | |
| | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | |
| MSR 149-G19 | 4.000 | 2.62 | 1.50 | 0.50 | 0.53 | 3.38 | 3.25 | 4.50 | 0.38 | 11.7 |

G19 ATTACHMENT



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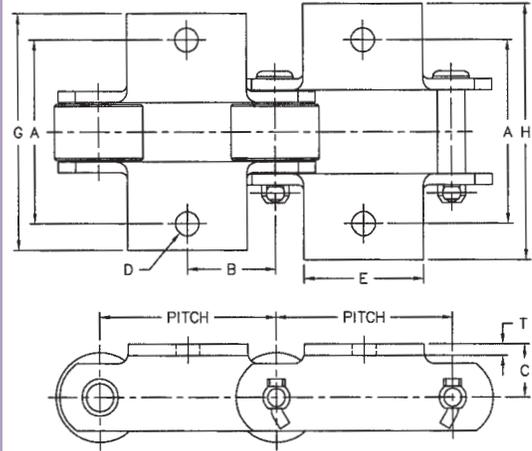
Phone: 815-288-1471
Fax: 815-288-7945

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MSR CLASS BUSHED ROLLER STEEL CHAIN ATTACHMENTS



K1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | G | H | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | |
| MSR 4328-K1 | 4.000 | 4.00 | 2.00 | 1.25 | 0.50 | 0.56 | 2.00 | 5.56 | 5.88 | 0.38 | 12.2 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------|------------------------------|------|------|------|---------------|---------------|------|------|------|------|------|-----------------------------|
| | PITCH | A | B | C | D | | E | F | G | H | T | |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| MSR 996-K2 | 6.000 | 4.38 | 1.50 | 1.62 | 0.50 | 0.56 | 5.38 | 3.00 | 6.00 | 5.81 | 0.38 | 15.8 |
| MSR 1116-K2 | 6.000 | 4.00 | 2.00 | 1.12 | 0.38 | 0.41 | 3.50 | 2.00 | 5.12 | 5.19 | 0.25 | 7.0 |
| MSR 6238-K2 | 6.000 | 4.25 | 1.69 | 1.62 | 0.50 | 0.56 | 5.38 | 2.62 | 5.88 | 5.69 | 0.38 | 15.8 |

Allied-Locke Industries Inc.
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Fax: 800-462-3130

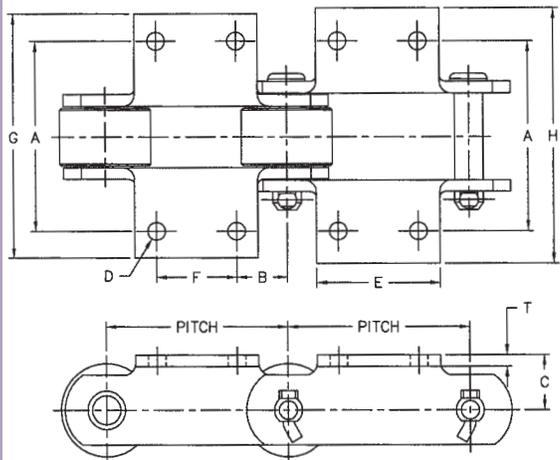
Local:

Phone: 815-288-1471

Fax: 815-288-7945

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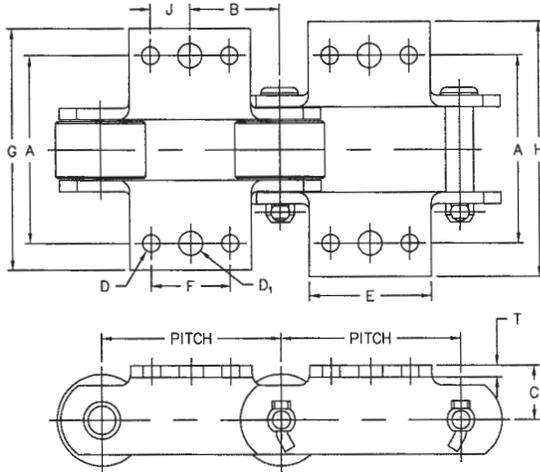
K2 ATTACHMENT





MSR CLASS BUSHED ROLLER STEEL CHAIN ATTACHMENTS

K1/K2 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | | AVERAGE WEIGHT PER FT. LBS. |
|-----------------------------|------------------------------|------|------|------|--------------|--------------|--------------|--------------|------|------|------|------|------|------|--------------------------------------|
| | PITCH | A | B | C | D | | D1 | | E | F | G | H | J | T | |
| | | | | | BOLT DIA. | HOLE DIA. | BOLT DIA. | HOLE DIA. | | | | | | | |
| MSR 3013-K1/K2 | 3.000 | 2.94 | 1.50 | 0.81 | 0.25 | 0.28 | 0.31 | 0.34 | 2.00 | 1.06 | 3.88 | 4.31 | 0.53 | 0.19 | 5.1 |
| MSR 4013-K1/K2 | 4.000 | 2.75 | 2.00 | 0.81 | 0.31 | 0.34 | 0.38 | 0.41 | 2.50 | 1.19 | 3.88 | 4.31 | 0.59 | 0.19 | 4.4 |
| MSR 4019-K1/K2 | 4.000 | 2.75 | 2.00 | 0.88 | 0.38 | 0.41 | 0.38 | 0.41 | 2.50 | 1.50 | 3.75 | 3.81 | 0.25 | 0.25 | 5.3 |
| MSR 2188-K1/K2 | 4.000 | 3.62 | 1.12 | 1.00 | 0.50 | 0.56 | 0.50 | 0.56 | 3.00 | 1.75 | 5.31 | 5.50 | 0.88 | 0.31 | 8.8 |
| MSR 6018-K1/K2 | 6.000 | 4.00 | 3.00 | 1.25 | 0.38 | 0.41 | 0.38 | 0.41 | 3.00 | 2.00 | 5.00 | 5.06 | 1.00 | 0.25 | 6.2 |

Allied-Locke Industries Inc.

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MSR CLASS BUSHED ROLLER STEEL MEAT PACKING CHAIN



K2 ATTACHMENT EVERY PITCH PLATED PLASTIC-LINED ROLLERS

Moline MSR Class Bushed Roller Steel Meat Packing Chain is unique in its design, which accomplishes two very desirable chain design objectives:

- 1) lower coefficient of rolling friction and
- 2) greater corrosion resistance.

The lower friction characteristic means:

- 1) lubrication is not required,
- 2) longer wear due to the wear resistance of plastic lined rollers,
- 3) power saved because the lower coefficient of rolling friction reduces horsepower requirements,
- 4) lower coefficient rolling friction at point of greatest wear enables conveyor centers to be extended with no increase in power requirements.

Greater corrosion resistance results from:

- 1) plastic-lined rollers,
- 2) electro-galvanized plating of rollers, pins, and sidebars,
- 3) stainless steel heat treated bushings, and
- 4) stainless steel wire cotters.

All these factors combine to produce maximum resistance to corrosion for optimum chain performance.

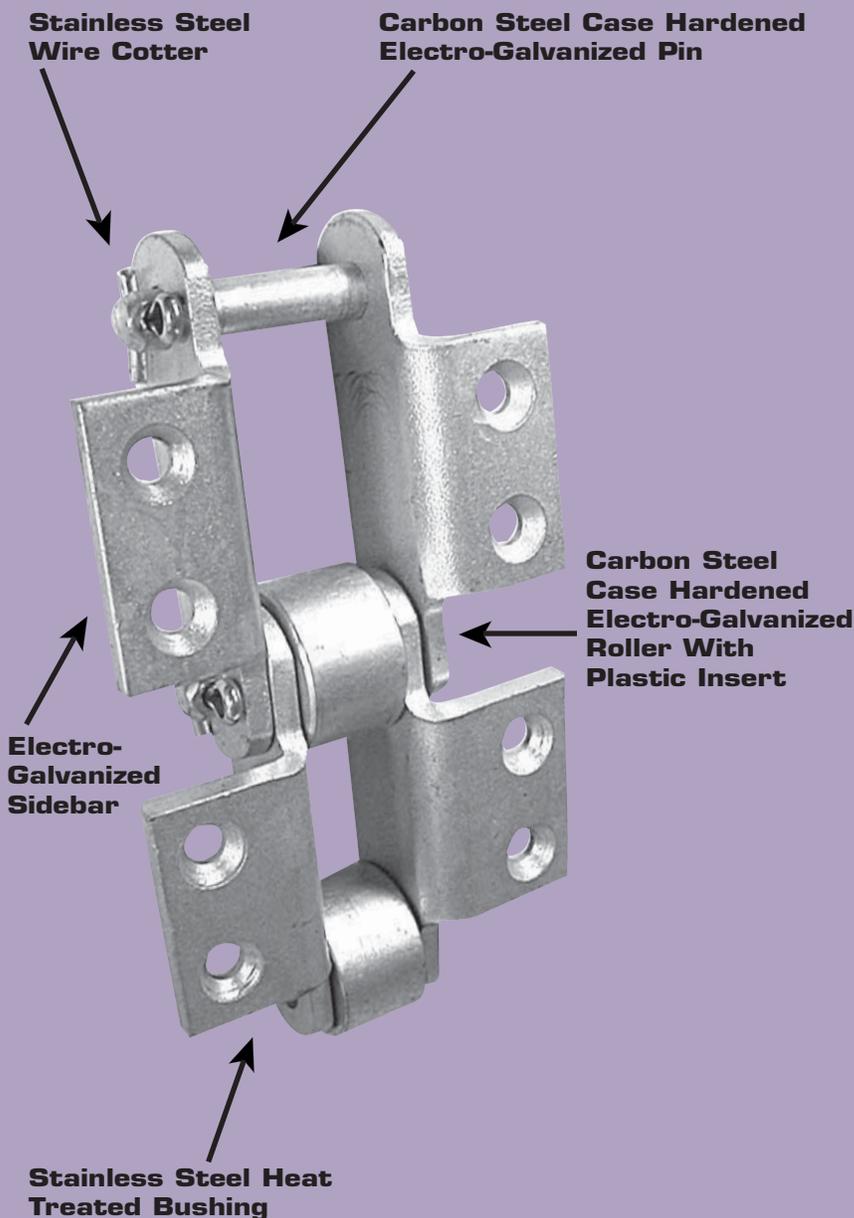
This chain operates smoothly without pulsations.

It is easily cleaned with steam and commercial detergents.

MSR Meat Packing Chain is offered in two pitch sizes: 4.040 inches and 6 inches with K2 attachments every pitch. Each has Average Ultimate Strength of 28,000 pounds and Recommended Working Load of 3,150 pounds.

The fact that this chain originated in the meat packing industry does not confine its application. It is appropriate for many other applications, particularly in the food processing industry where the wet conditions are within the scope of its corrosion resistance, and the lower coefficient of rolling friction contributes to better conveyor performance at a lower cost.

Brutaloy sprockets are available in each size of chain. Sprockets with plastic teeth to further enhance the operating qualities of the chain are also available. We invite your inquiries.



Allied-Locke Industries Inc.
... reach for the star of quality
www.alliedlocke.com



MSR CLASS BUSHED ROLLER STEEL MEAT PACKING CHAIN

K2 ATTACHMENT EVERY PITCH PLATED PLASTIC-LINED ROLLERS

ORDERING AND APPLICATION DATA

| | MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | AVERAGE WEIGHT PER FT. LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD-LBS. | CHAIN AND ATTACHMENT CONSTRUCTION | ATTACHMENT AVAILABLE |
|--------------------|------------------|-----------------|-------------------|-----------------------------|--------------------------------|---------------------------------------|-----------------------------------|----------------------|
| 4.040" PITCH CHAIN | MSR 3420-K2 | 4.040 | 30 | 11.4 | 28,000 | 3,150 | Cottered Only | K2 Only |
| 6.000" PITCH CHAIN | MSR 6272-K2 | 6.000 | 20 | 9.2 | 28,000 | 3,150 | Cottered Only | K2 Only |

| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | |
|---------------------------|------------------------------|---------------------------|-------------------|----------------------|----------------------|------------------------------|--------------------------------------|-------------------------|-----------------------------|---------------------|
| | PITCH | OVER-ALL WIDTH—COTTERED C | DIAMETER OF PIN D | HEIGHT OF SIDEBARS F | DIAMETER OF ROLLER H | HEAD OF PIN TO CENTER LINE J | END OF PIN TO CENTER LINE COTTERED K | THICKNESS OF SIDEBARS T | DISTANCE BETWEEN SIDEBARS W | LENGTH OF BUSHING X |
| 4.040" PITCH CHAIN | | | | | | | | | | |
| MSR 3420-K2 | 4.040 | 3.25 | 0.625 | 1.50 | 2.00 | 1.50 | 1.75 | 0.31 | 1.31 | 1.94 |
| 6.000" PITCH CHAIN | | | | | | | | | | |
| MSR 6272-K2 | 6.000 | 3.25 | 0.625 | 1.50 | 2.25 | 1.50 | 1.75 | 0.31 | 1.31 | 1.94 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | |
|-----------------------|------------------------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|
| | PITCH | A ₁ | B ₁ | C ₁ | D ₁ | | E ₁ | F ₁ | G ₁ | H ₁ |
| | | | | | BOLT DIAMETER | HOLE DIAMETER | | | | |
| MSR 3420-K2 | 4.040 | 4.12 | 1.27 | 1.25 | 0.38 | 0.44 | 2.88 | 1.50 | 5.38 | 5.56 |
| MSR 6272-K2 | 6.000 | 4.00 | 2.00 | 1.38 | 0.38 | 0.44 | 3.50 | 2.00 | 5.12 | 5.31 |

K2 ATTACHMENT MEASUREMENTS—MSR 3420 AND MSR 6272—FURNISHED EVERY LINK ONLY

MOLINE MSR CLASS MEAT PACKING CHAIN MATERIALS

ROLLER: Carbon Steel Case Hardened
Electro-galvanized

ROLLER INSERT: Plastic

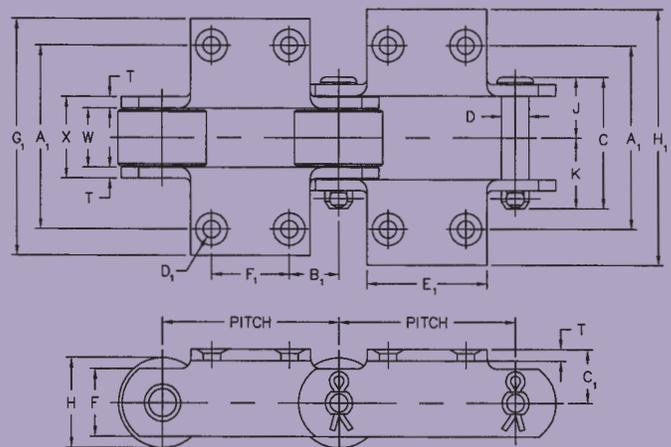
PIN: Carbon Steel Case Hardened
Electro-galvanized

SIDEBARS:

No. MSR 3420—Carbon Steel, Electro-galvanized
No. MSR 6272—Carbon Steel, Electro-galvanized

BUSHINGS: Stainless Steel Heat Treated

COTTER: Stainless Steel Wire Cotter



OFFSET STEEL DRIVE CHAIN—MXS Class & MSS Class



Moline Offset Drive Chain is designed for power drives, construction machinery, and conveyors; it operates under the most severe conditions at moderately high speeds.

Moline Offset Drive Chain is manufactured according to ANSI or manufacturer's standards. It may be interchanged with standard chain of other manufacturers depending upon size. There are three basic styles as stated in the tables and illustrated.

The pitch range of the MXS Class is from 2.000 to 6.500 inches. Average Ultimate Strength range is from 20,000 to 600,000 pounds, and the Recommended Working Load range is from 2,300 to 23,700 pounds.

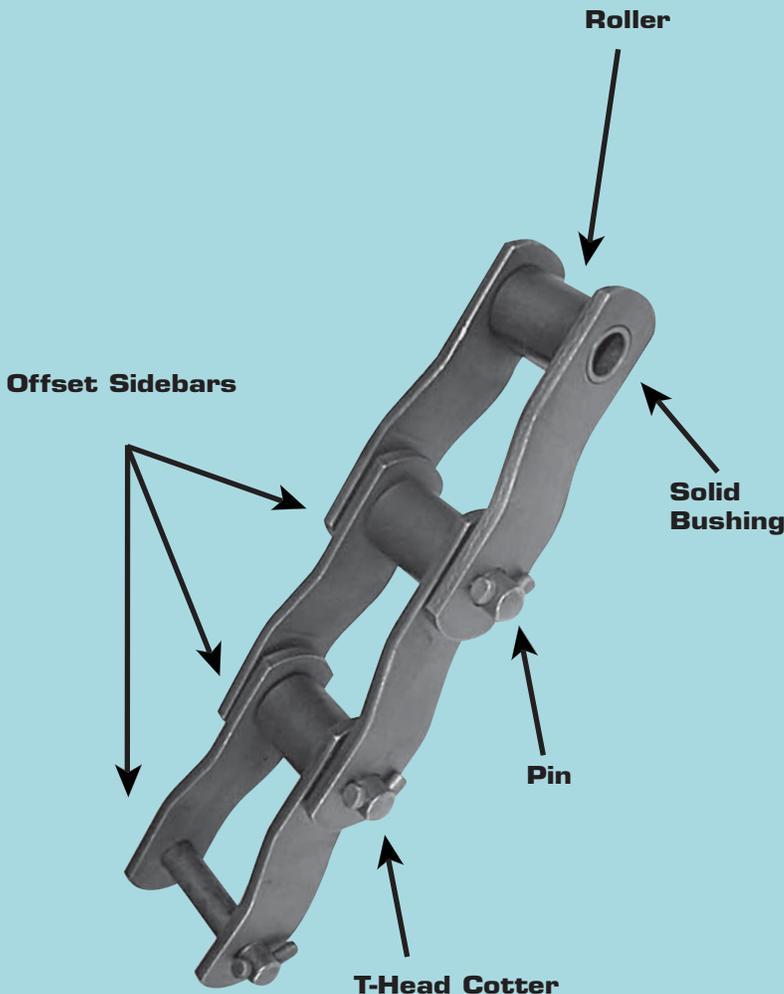
MSS 6065 is offered in 6.000 inch pitch only. Its Average Ultimate Strength is 600,000 pounds and the Recommended Working Load is 27,600 pounds. MSS 6065 was developed as an extra heavy duty replacement for MXS 6042. It is a solid bushed design rather than a roller/bushing design. This allows the pin diameter to be increased to 1.75 inches which provides a larger cross-section for higher Ultimate Strength and an increase in bearing area for greater Working Load. The sidebar height is increased to compensate for pin diameter.

MSS 6065 is available in cottered construction only. The pins are press fitted into the offset sidebars, preventing pin rotation during chain operation and achieving as close to 100% bearing between the pin and sidebars as possible. T-head cotters furnished with the pins fit flush against the offset sidebars.

The sidebars of Moline Offset Drive Chain are stamped on the side of the chain into which the pins are to be inserted. For ready identification, this side of the chain is marked with the chain number.

The closed end of the link is the recommended direction of travel for these chain classes.

Brutaloy or cast steel sprockets are available for every pitch size.



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... the company that delivers

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OFFSET STEEL DRIVE CHAIN—MXS Class & MSS Class

MOLINE OFFSET STEEL DRIVE CHAIN MATERIALS— MXS CLASS & MSS CLASS

| MOLINE CHAIN NO. | ROLLERS | PINS | BUSHINGS | SIDEBARS |
|------------------------------------------------------------|----------------------------|--------------------------------|----------------------------|---------------------------|
| MXS CLASS OFFSET DRIVE CHAIN—“Bushed Roller Type” | | | | |
| MXS 432 | Carbon Steel Thru Hardened | Carbon Steel Case Hardened | Carbon Steel Case Hardened | Carbon Steel Heat Treated |
| MXS 88B | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 881 | Carbon Steel Thru Hardened | Carbon Steel Case Hardened | Carbon Steel Case Hardened | Carbon Steel Heat Treated |
| MXS 882 | Carbon Steel Thru Hardened | Carbon Steel Case Hardened | Carbon Steel Case Hardened | Carbon Steel Heat Treated |
| MXS 1031 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Carbon Steel Heat Treated |
| MXS 1242 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 1245 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 2070 | Alloy Steel Thru Hardened | Alloy Steel Thru Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 3011 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 3075 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 3514 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 4522 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 5031 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 5035 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 5542 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 6042 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS 6565 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |
| MXS CLASS OFFSET DRIVE CHAIN—“Steel Roller Type” | | | | |
| MSS 6065 | — | Alloy Steel Induction Hardened | Alloy Steel Thru Hardened | Alloy Steel Heat Treated |
| MSR CLASS STRAIGHT DRIVE CHAIN—“Bushed Roller Type” | | | | |
| MSR 6560 | Alloy Steel Thru Hardened | Alloy Steel Induction Hardened | Alloy Steel Case Hardened | Alloy Steel Heat Treated |

ORDERING AND APPLICATION DATA

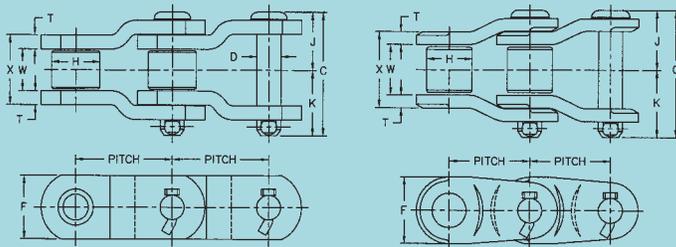
| MOLINE CHAIN NO. | STYLE | PITCHES IN INCHES | STANDARD ANSI B29.10 NUMBER | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD-LBS. |
|------------------------------------------------------------|-------|-------------------|-----------------------------|-------------------|----------------------|--------------------------------|---------------------------------------|
| MXS CLASS OFFSET DRIVE CHAIN—“Bushed Roller Type” | | | | | | | |
| MXS 432 | 1 | 1.654 | — | 73 | 3.5 | 20,000 | 2,100 |
| MXS 2070 | 2 | 2.000 | — | 60 | 7.6 | 70,000 | 3,890 |
| MXS 881 | 1 | 2.609 | — | 46 | 3.0 | 20,000 | 2,300 |
| MXS 882 | 1 | 2.609 | — | 46 | 3.6 | 26,000 | 2,500 |
| MXS 3011 | 1 | 3.067 | 2,512 | 39 | 13.2 | 110,000 | 6,100 |
| MXS 1031 | 1 | 3.075 | — | 39 | 7.3 | 48,000 | 4,650 |
| MXS 3075 | 1 | 3.075 | — | 39 | 9.0 | 75,000 | 5,100 |
| MXS 3514 | 1 | 3.500 | 2,814 | 34 | 16.0 | 140,000 | 7,650 |
| MXS 1242 | 1 | 4.063 | — | 30 | 15.6 | 140,000 | 9,000 |
| MXS 1245 | 1 | 4.073 | 3,315 | 30 | 18.6 | 170,000 | 10,050 |
| MXS 4522 | 1 | 4.500 | 3,618 | 27 | 25.0 | 220,000 | 12,300 |
| MXS 5031 | 1 | 5.000 | 4,020 | 24 | 36.0 | 310,000 | 17,500 |
| MXS 5035 | 1 | 5.000 | — | 24 | 38.1 | 350,000 | 19,600 |
| MXS 5542 | 1 | 5.500 | — | 22 | 49.1 | 420,000 | 23,700 |
| MXS 88B | 1 | 5.750 | — | 21 | 49.0 | 420,000 | 23,700 |
| MXS 6042 | 1 | 6.000 | 4,824 | 20 | 46.5 | 420,000 | 23,700 |
| MXS 6565 | 1 | 6.500 | — | 18.5 | 78.5 | 600,000 | 30,600 |
| MSS CLASS OFFSET DRIVE CHAIN—“Steel Bushed Type” | | | | | | | |
| MSS 6065 | 3 | 6.000 | — | 20 | 51.7 | 600,000 | 27,600 |
| MSR CLASS STRAIGHT DRIVE CHAIN—“Bushed Roller Type” | | | | | | | |
| MSR 6560 | 4 | 6.500 | — | 18.5 | 72.0 | 600,000 | 30,600 |

OFFSET STEEL DRIVE CHAIN—MXS Class & MSS Class



AVAILABLE IN COTTERED CONSTRUCTION ONLY

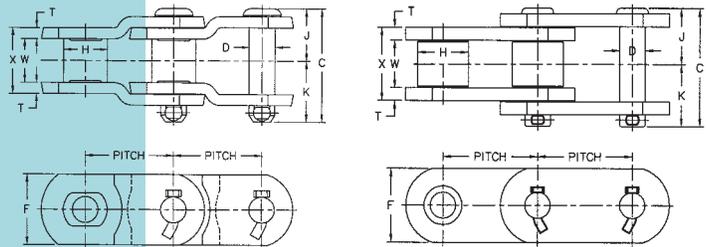
MXS Class Chain



Style 1

Style 2

MSS Class Chain



Style 3

Style 4

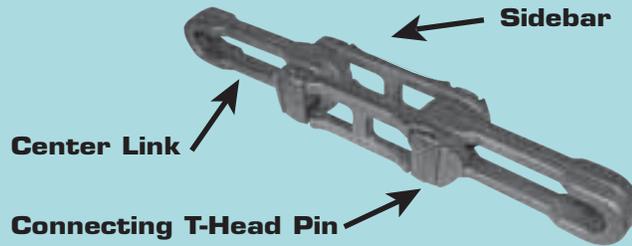
| MOLINE CHAIN NO. | STYLE | PITCH IN INCHES | DIMENSIONS IN DECIMAL INCHES | | | | | | | | |
|------------------------------------------------------------|-------|-----------------|------------------------------|-------------------|---------------------|----------------------|------------------------------|-----------------------------|-------------------------|-----------------------------|---------------------|
| | | | OVER-ALL WIDTH-COTTERED C | DIAMETER OF PIN D | HEIGHT OF SIDEBAR F | DIAMETER OF ROLLER H | HEAD OF PIN TO CENTER LINE J | END OF PIN TO CENTER LINE K | THICKNESS OF SIDEBARS T | DISTANCE BETWEEN SIDEBARS W | LENGTH OF BUSHING X |
| MXS CLASS OFFSET DRIVE CHAIN—"Bushed Roller Type" | | | | | | | | | | | |
| MXS 432 | 1 | 1.654 | 2.28 | 0.438 | 1.12 | 0.88 | 1.02 | 1.26 | 0.19 | 1.00 | 1.38 |
| MXS 2070 | 2 | 2.000 | 3.22 | 0.593 | 1.62 | 1.12 | 1.47 | 1.75 | 0.31 | 1.25 | 1.88 |
| MXS 881 | 1 | 2.609 | 2.38 | 0.438 | 1.12 | 0.88 | 1.09 | 1.28 | 0.19 | 1.12 | 1.50 |
| MXS 882 | 1 | 2.609 | 2.62 | 0.438 | 1.12 | 0.88 | 1.22 | 1.41 | 0.25 | 1.12 | 1.62 |
| MXS 3011 | 1 | 3.067 | 3.94 | 0.750 | 2.25 | 1.62 | 1.81 | 2.12 | 0.38 | 1.56 | 2.31 |
| MXS 1031 | 1 | 3.075 | 3.38 | 0.625 | 1.50 | 1.25 | 1.59 | 1.84 | 0.31 | 1.50 | 2.12 |
| MXS 3075 | 1 | 3.075 | 3.69 | 0.648 | 1.75 | 1.25 | 1.72 | 1.97 | 0.38 | 1.50 | 2.25 |
| MXS 3514 | 1 | 3.500 | 4.44 | 0.875 | 2.25 | 1.75 | 2.06 | 2.38 | 0.50 | 1.50 | 2.50 |
| MXS 1242 | 1 | 4.063 | 4.88 | 0.875 | 2.25 | 1.75 | 2.25 | 2.62 | 0.50 | 1.94 | 2.94 |
| MXS 1245 | 1 | 4.073 | 5.12 | 0.938 | 2.38 | 1.78 | 2.38 | 2.75 | 0.56 | 1.94 | 3.06 |
| MXS 4522 | 1 | 4.500 | 5.25 | 1.100 | 3.00 | 2.25 | 2.44 | 2.81 | 0.56 | 2.06 | 3.19 |
| MXS 5031 | 1 | 5.000 | 6.25 | 1.250 | 3.50 | 2.50 | 2.91 | 3.34 | 0.62 | 2.75 | 4.00 |
| MXS 5035 | 1 | 5.000 | 6.62 | 1.375 | 3.50 | 2.50 | 3.12 | 3.50 | 0.75 | 2.56 | 4.06 |
| MXS 5542 | 1 | 5.500 | 7.12 | 1.500 | 4.00 | 3.00 | 3.28 | 3.84 | 0.75 | 3.00 | 4.50 |
| MXS 88B | 1 | 5.750 | 7.12 | 1.500 | 4.00 | 3.00 | 3.28 | 3.84 | 0.75 | 3.00 | 4.50 |
| MXS 6042 | 1 | 6.000 | 7.12 | 1.500 | 4.00 | 3.00 | 3.28 | 3.84 | 0.75 | 3.00 | 4.50 |
| MXS 6565 | 1 | 6.500 | 8.06 | 1.750 | 5.00 | 3.50 | 3.81 | 4.25 | 0.88 | 3.25 | 5.00 |
| MSS CLASS OFFSET DRIVE CHAIN—"Steel Bushed Type" | | | | | | | | | | | |
| MSS 6065 | 3 | 6.000 | 7.32 | 1.750 | 4.75 | 3.00 | 3.44 | 3.88 | 0.75 | 3.00 | 4.50 |
| MSR CLASS STRAIGHT DRIVE CHAIN—"Bushed Roller Type" | | | | | | | | | | | |
| MSR 6560 | 4 | 6.500 | 8.06 | 1.750 | 5.00 | 3.50 | 3.81 | 4.25 | 0.88 | 3.25 | 5.00 |



Moline Rivetless Drop Forged Chain is highly regarded as one of the strongest chains ever developed, and has found widespread application in many industries. Because materials do not tend to pack in its open structure, Rivetless Drop Forged Chain is used extensively for flight conveyors. Its design permits both horizontal and vertical operation over irregular routes, making it particularly adaptable for trolley conveyor service.

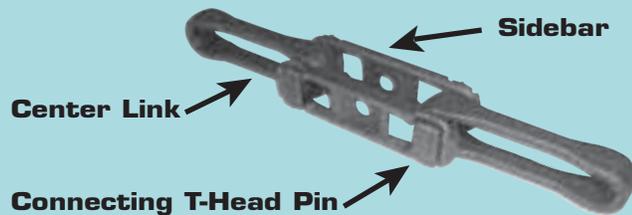
Special features of this chain include maximum strength without excessive weight, and resistance to lengthening even after extensive operation.

RIVETLESS DROP FORGED CHAIN BAR LOOP CHAIN



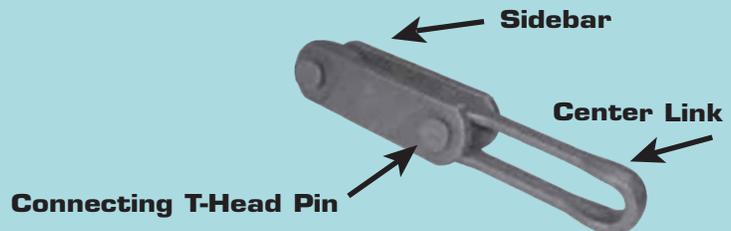
REGULAR TYPE

Regular Type is furnished with only the T-head pins heat treated. These pins are symmetrical and may be reversed when worn.



X-TYPE

X-Type is furnished with all components heat treated, and is designed to have increased flexibility, transverse strength, and better operating performance.



S-TYPE

S-Type is furnished with all components heat treated.

ORDERING AND APPLICATION DATA

| | MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH—LBS. Head Treated Steel* | CHAIN CONSTRUCTION |
|--------------------|------------------|-----------------|-------------------|----------------------|----------------------------------------------------|--------------------|
| 3.031" PITCH CHAIN | X348 | 3.031 | 40 | 2.2 | 24,000 | Special Pin |
| 4.031" PITCH CHAIN | X458 | 4.031 | 30 | 3.2 | 48,000 | Special Pin |
| | 468 | 4.031 | 30 | 7.5 | 70,000 | Special Pin |
| 6.031" PITCH CHAIN | X658 | 6.031 | 20 | 2.6 | 48,000 | Special Pin |
| | X678 | 6.031 | 20 | 6.7 | 85,000 | Special Pin |
| | 698 | 6.031 | 20 | 11.4 | 130,000 | Special Pin |
| 9.031" PITCH CHAIN | 998 | 9.031 | 13.3 | 9.0 | 130,000 | Special Pin |
| | 9118 | 9.031 | 13.3 | 16.0 | 220,000 | Special Pin |
| | 9148 | 9.031 | 13.3 | 27.0 | 300,000 | Special Pin |
| 3.031" PITCH CHAIN | S348 | 3.031 | 40 | 2.4 | 24,000 | |
| 4.031" PITCH CHAIN | S458 | 4.031 | 30 | 3.5 | 48,000 | |
| 4.031" PITCH CHAIN | S468 | 4.031 | 30 | 7.9 | 80,000 | |
| 6.031" PITCH CHAIN | S698 | 6.031 | 20 | 12.1 | 130,000 | |
| 9.031" PITCH CHAIN | S998 | 9.031 | 13.3 | 10.4 | 130,000 | |
| 9.031" PITCH CHAIN | S9118 | 9.031 | 13.3 | 20.4 | 220,000 | |

*Rivetless Drop Forge chain with alloy steel construction is also available on special order.

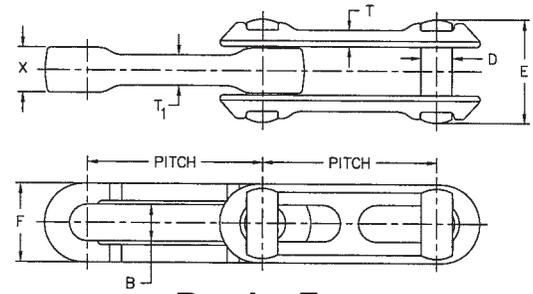
RIVETLESS DROP FORGED CHAIN BAR LOOP CHAIN



AVAILABLE IN THREE TYPES—

REGULAR TYPE

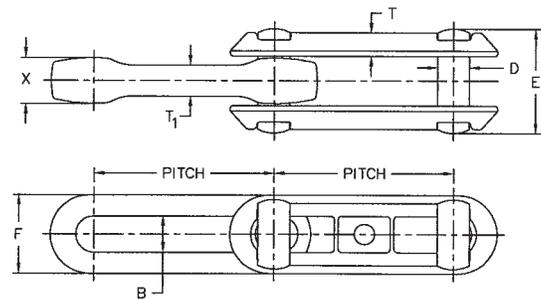
Regular Type is furnished with only the T-head pins heat treated. These pins are symmetrical and may be reversed when worn.



Regular Type

X-TYPE

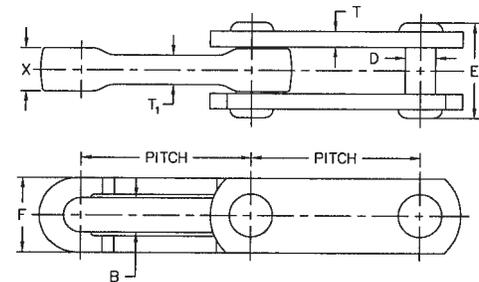
X-Type is furnished with all components heat treated, and is designed to have increased flexibility, transverse strength, and better operating performance.



X-Type

S-TYPE

Barloop chain is manufactured with a standard rivetless block link and fabricated steel sidebars. Barloop chains offer the advantage of a flat steel sidebar for welding attachments. The pins are a riveted style to keep the sidebars locked, eliminating the chance of chain coming apart when slack is present and the wear between the pin and sidebar.

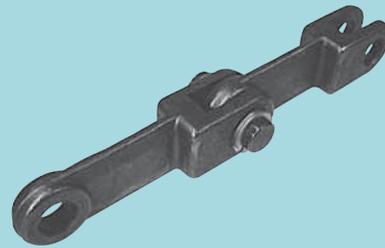
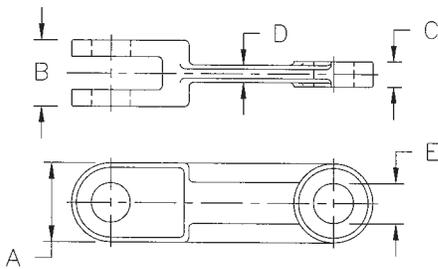


S-Type

| | MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | |
|---------------------------|------------------|------------------------------|------|-------|------|------|------|----------------|------|
| | | PITCH | B | D | E | F | T | T ₁ | X |
| 3.031" PITCH CHAIN | X348 | 3.031 | 0.53 | 0.500 | 1.75 | 1.06 | 0.41 | 0.50 | 0.75 |
| 4.031" PITCH CHAIN | X458 | 4.031 | 0.69 | 0.625 | 2.19 | 1.44 | 0.48 | 0.66 | 1.02 |
| | 468 | 4.031 | 0.88 | 0.750 | 3.31 | 1.88 | 0.45 | 1.16 | 1.62 |
| 6.031" PITCH CHAIN | X658 | 6.031 | 0.69 | 0.620 | 2.19 | 1.41 | 0.33 | 0.66 | 1.02 |
| | X678 | 6.031 | 1.00 | 0.880 | 3.03 | 2.00 | 0.72 | 0.84 | 1.31 |
| | 698 | 6.031 | 1.25 | 1.120 | 3.75 | 2.69 | 0.59 | 1.03 | 1.56 |
| 9.031" PITCH CHAIN | 998 | 9.031 | 1.12 | 1.120 | 3.88 | 2.52 | 0.62 | 1.00 | 1.56 |
| | 9118 | 9.031 | 1.50 | 1.380 | 4.88 | 3.12 | 0.75 | 1.38 | 2.00 |
| | 9148 | 9.031 | 1.50 | 1.750 | 5.84 | 3.78 | 0.81 | 1.62 | 2.50 |
| 3.031" PITCH CHAIN | S348 | 3.031 | 0.53 | 0.500 | 1.75 | 1.06 | 0.41 | 0.50 | 0.75 |
| 4.031" PITCH CHAIN | S458 | 4.031 | 0.69 | 0.625 | 2.06 | 1.38 | 0.31 | 0.63 | 1.02 |
| 4.031" PITCH CHAIN | S468 | 4.031 | 0.88 | 0.750 | 2.94 | 1.88 | 0.38 | 1.13 | 1.63 |
| 6.031" PITCH CHAIN | S698 | 6.031 | 1.25 | 1.125 | 3.25 | 2.69 | 0.50 | 1.00 | 1.56 |
| 9.031" PITCH CHAIN | S998 | 9.031 | 1.25 | 1.125 | 3.25 | 2.69 | 0.50 | 1.00 | 1.56 |
| 9.031" PITCH CHAIN | S9118 | 9.031 | 1.50 | 1.375 | 4.38 | 3.06 | 0.75 | 1.31 | 1.97 |

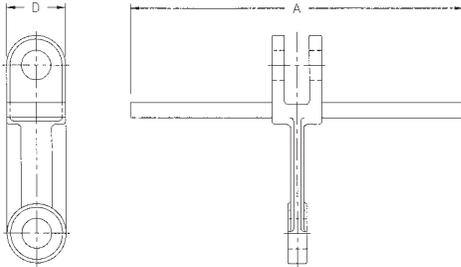


CASE CONVEYOR CHAIN FLIGHTS



CASE CONVEYOR CHAIN

| CHAIN SERIES | ULTIMATE STRENGTH | WORKING LOAD | WEIGHT | A | B | C | D | E | F |
|--------------|--------------------------|------------------|--------------|----------------|------------|------------|-----------|------------|---|
| 102 HVY | 38,000 Lbs 17,275 Kg | 6,900 3,135 | .99 .45 | 1.375" 35mm | 1.26 32 | .55 14 | .354 9 | .709 18 | — |
| 142 ST | 73,000 Lbs 33,180 Kg | 13,000 5,910 | 2.45 1.11 | 1.97" 50mm | 1.65 42 | .75 19 | .47 12 | .98 25 | — |
| 142 HVY | 99,000 Lbs 45,000 Kg | 18,000 8,182 | 3.74 1.7 | 1.97" 50mm | 2.44 62 | 1.14 29 | .63 16 | .98 25 | — |
| 260 STD | 150,000 Lbs 68,180 Kg | 27,270 12,390 | 14.0 6.4 | 2.95" 75mm | 2.76 70 | 1.18 30 | .79 20 | 1.26 32 | — |



| CONVEYOR SIZE | A | D | WEIGHT (FLIGHTS ONLY*) BT |
|-----------------------|----------------|-------------|---------------------------|
| 102 SERIES | | | |
| 10" 254mm | 9.88 250 | 1.375 35 | 2.22 Lbs 1 Kg |
| 12" 305mm | 11.88 300 | 1.375 35 | 2.5 Lbs 1.14 Kg |
| 14" 356mm | 13.88 352 | 1.375 35 | 2.8 Lbs 1.27 Kg |
| 16" 406mm | 15.63 397 | 1.375 35 | 3.1 Lbs 1.41 Kg |
| 142 STD SERIES | | | |
| 11" 280mm | 10.94 278 | 2.00 50 | 2.36 1.07 |
| 15" 380mm | 14.88 378 | 2.00 50 | 3.41 1.55 |
| 19" 480mm | 18.81 178 | 2.00 50 | 4.45 2.02 |
| 25" 635mm | 24.69 627 | 2.00 50 | 6.01 2.73 |
| 30" 762mm | 29.81 757.2 | 2.00 50 | 7.39 3.36 |

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COMBINATION CHAIN



Moline Combination Chain is used extensively in the cement, paper and pulp, quarrying, and mining industries for elevating and conveying a wide variety of abrasive and non-abrasive materials. It is also finding many uses in general industrial assembly conveyors. It is not recommended for drive chain.

The construction of Moline Combination Chain can be either cottered or riveted. Cottered is normally considered standard. Pins have flat areas at their ends, which lock into the appropriately punched sidebars, preventing pin rotation during chain operation. All pin holes are clean-cored for smooth bearing surfaces and are dimensioned for proper pin clearance. Industry dimensional standards are rigidly maintained and this chain may be interchanged with links of other manufacturers.

Pitch sizes range from 1.631 to 6.050 inches; tensile strength range extends from 12,150 to 67,500 pounds. All Moline Combination block links except C55 and C55L have elliptical barrels. This adds extra metal where the sprocket to chain contact causes most chain wear.

MBP 132C has chambered barrels containing grease which lubricates pins, helps to avoid joint freezing, and prohibits entry of corrosive and abrasive material into the barrel core.

Attachments are available in many of the pitch sizes for a wide range of applications.

Combination links are symmetrical and may therefore be operated in either direction of travel.

Brutaloy and cast steel sprockets are available for each pitch size.

COUPLER LINKS FOR COMBINATION CHAIN

Coupler links are required for joining chain where no take-up is available. Each chain pitch size has a Promal cast off-set sidebar coupler link available for this purpose.

COMBINATION CHAIN MATERIALS

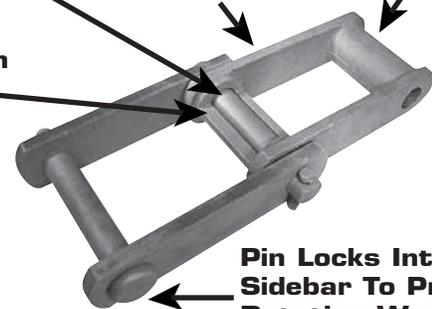
| MOLINE CHAIN NO. | MATERIALS | | |
|------------------|----------------------------|----------------------------|----------------------------|
| | BLOCK LINKS (Inside Links) | SIDEBARS (Outside Links) | PINS |
| C55 | | Carbon Steel, Heat Treated | |
| C 55L | | Carbon Steel, Heat Treated | |
| C 60 | | Carbon Steel, Heat Treated | |
| C 77 | | Carbon Steel, Heat Treated | |
| C 102B | | Carbon Steel, Heat Treated | |
| C 1021/2 | ALL NUMBERS | Carbon Steel, Heat Treated | ALL NUMBERS |
| C 110 | | Carbon Steel, Heat Treated | |
| C 111 | | Carbon Steel, Heat Treated | |
| C 111C | | Carbon Steel, Heat Treated | |
| C 131 | | Carbon Steel, Heat Treated | |
| C 132 | MOLINE PROMAL | Carbon Steel, Heat Treated | Carbon Steel, Heat Treated |
| MBP 132 | | Carbon Steel, Heat Treated | |
| MBP 132C | | Carbon Steel, Heat Treated | |
| PW 132 | | Carbon Steel, Heat Treated | |
| C 133 | | Carbon Steel, Heat Treated | |
| C 188 | | Carbon Steel, Heat Treated | |
| BRH 188 | | Carbon Steel, Heat Treated | |

Pin Manufactured to Exact Diameter, Fits Accurately Into Cored Barrel

Accurately Proportioned Elliptical Barrels

Proportioned Block Link

Exposed Plain Barrel

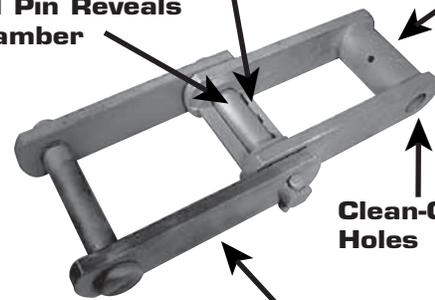


Pin Locks Into Sidebar To Prevent Rotation Wear

Exposed Chambered Barrel

Lubrication Holes

Phantom Pin Reveals Grease Chamber



Clean-Cored Holes

Steel Sidebars

WEIGHTS OF COMBINATION CHAIN PARTS

| MOLINE CHAIN NO. | AVERAGE WEIGHT IN LBS. | | | |
|------------------|------------------------|-------------------|-------------------------|--------------|
| | COUPLERS | PLAIN BLOCK LINKS | STEEL PINS WITH COTTERS | STEEL RIVETS |
| C 55 | 0.3 | 0.3 | 0.1 | 0.1 |
| C 77 | 0.4 | 0.4 | 0.1 | 0.1 |
| C 102B | 1.9 | 1.8 | 0.4 | 0.4 |
| C 110 | 2.6 | 3.1 | 0.4 | 0.4 |
| C 111 | 3.3 | 3.5 | 0.7 | 0.7 |
| C 132 | 6.1 | 6.0 | 1.5 | 1.5 |
| MBP 132 | 6.1 | 8.2 | 1.5 | 1.5 |
| MBP 132C | 6.1 | 8.2 | 1.5 | 1.5 |
| PW 132 | 6.1 | 9.8 | 1.5 | 1.5 |
| C 188 | 0.7 | 0.7 | 0.2 | 0.2 |
| BRH 188 | 0.7 | 1.2 | 0.2 | 0.2 |



COMBINATION CHAIN

ORDERING AND APPLICATION DATA

| | MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION | AVAILABLE ATTACHMENTS |
|--------------------|------------------|-----------------|-------------------|----------------------|--------------------------------|---------------------------------------|----------------------------------|-----------------------|
| 1.631" PITCH CHAIN | C 55 | 1.631 | 74 | 2.2 | 12,150 | 1,400 | Riveted or Cottered* | A22, G19, F30, K1 |
| | C 55L | 1.631 | 74 | 2.5 | 12,150 | 1,400 | Riveted or Cottered* | None |
| 2.307" PITCH CHAIN | C 60 | 2.307 | 52 | 3.0 | 25,300 | 2,620 | Riveted or Cottered* | None |
| 2.308" PITCH CHAIN | C 77 | 2.308 | 52 | 2.3 | 14,850 | 1,640 | Riveted or Cottered [©] | F2 K1 |
| 2.609" PITCH CHAIN | C 188 | 2.609 | 46 | 3.6 | 18,900 | 2,350 | Riveted or Cottered [©] | F2, G6, K1, K2, S1 |
| | BRH 188 | 2.609 | 46 | 4.8 | 18,900 | 2,350 | Riveted or Cottered [©] | None |
| 3.075" PITCH CHAIN | C 131 | 3.075 | 39 | 6.8 | 32,400 | 3,880 | Riveted or Cottered [©] | F2, G6, K2 |
| 4.000" PITCH CHAIN | C 102B | 4.000 | 30 | 6.8 | 32,400 | 5,400 | Riveted or Cottered [©] | K2 |
| 4.040" PITCH CHAIN | C 102 1/2 | 4.040 | 30 | 9.5 | 48,600 | 6,530 | Riveted or Cottered [©] | K2, S1 |
| 4.760" PITCH CHAIN | C 111 | 4.760 | 25.5 | 9.4 | 48,600 | 7,590 | Riveted or Cottered [©] | K2, S1 |
| | C 111C | 4.760 | 25.5 | 9.4 | 48,600 | 7,590 | Riveted or Cottered [©] | K2, S1 |
| 6.000" PITCH CHAIN | C 110 | 6.000 | 20 | 6.3 | 32,400 | 5,380 | Riveted or Cottered [©] | K2 |
| | C 133 | 6.000 | 20 | 8.8 | 60,000 | 5,900 | Riveted or Cottered [©] | None |
| 6.050" PITCH CHAIN | C 132 | 6.050 | 20 | 13.4 | 67,500 | 11,250 | Riveted or Cottered [©] | K2, S1 |
| | PW 132 | 6.050 | 20 | 16.1 | 67,500 | 11,250 | Riveted or Cottered [©] | S1 |
| | MBP 132 | 6.050 | 20 | 15.7 | 67,500 | 11,250 | Riveted or Cottered [©] | S1 |
| | MBP 132C | 6.050 | 20 | 15.7 | 67,500 | 11,250 | Riveted or Cottered [©] | S1 |

*Furnished with pin heads all on same side. [©]Alternating pin heads are standard; can be supplied same side if specified.

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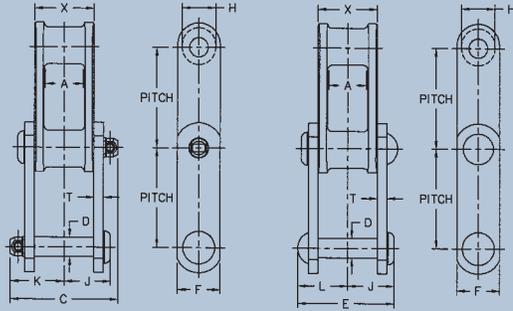
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COMBINATION CHAIN



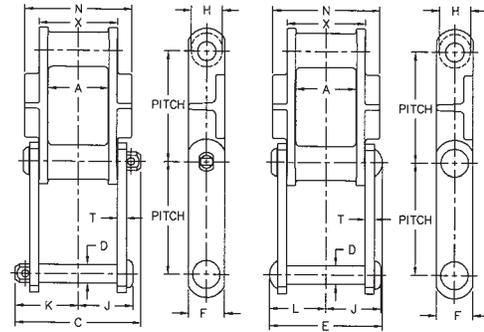
"C" Type Combination Chain



Cottered

Riveted

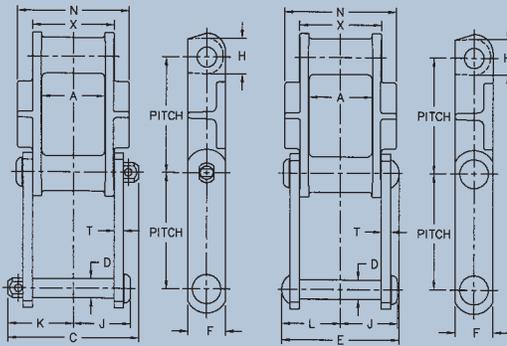
"MBP" Type Combination Chain



Cottered

Riveted

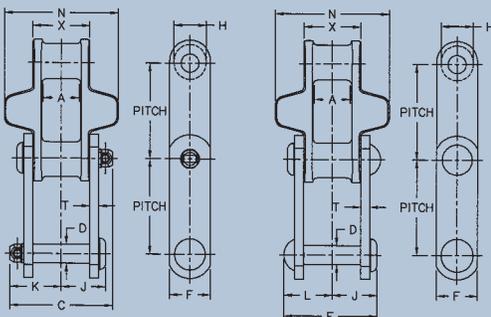
"PW" Type Combination Chain



Cottered

Riveted

"BRH" Type Combination Chain



Cottered

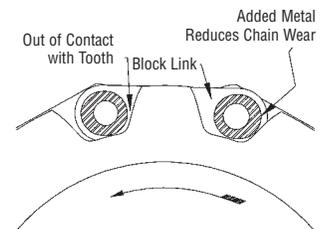
Riveted

Chambered Barrel

Grease in chambers keeps pin lubricated to avoid freezing. Prevents entry of corrosive materials which cause pin and barrel wear.



Elliptical Barrel





COMBINATION CHAIN

| MOLINE CHAIN NO. | PITCH | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | |
|---------------------------|-------|-----------------------------------------|----------------------------------|----------------------|---------------------------------|------------------------|-------------------------|------------------------------------|--------------------------------------------|-------------------------------------------|-------------------------------|------------------------|-----------------------------------|
| | | MAXIMUM ALLOWABLE SPROCKET FACE A | OVER-ALL WIDTH— COTTERED C | DIAMETER OF PIN D | OVER-ALL-WIDTH— RIVETED E | HEIGHT OF SIDEBAR F | DIAMETER OF BARREL H | HEAD OF PIN TO CENTER LINE J | END OF PIN TO CENTER LINE—COTTERED K | END OF PIN TO CENTER LINE—RIVETED L | WIDTH OF WEARING SHOE N | THICKNESS SIDEBAR T | OVER-ALL LENGTH OF BARREL X |
| 1.631" PITCH CHAIN | | | | | | | | | | | | | |
| C 55 | 1.631 | 0.69 | 2.06 | 0.375 | 1.97 | 0.75 | 0.72 | 0.97 | 1.09 | 1.00 | — | 0.19 | 1.25 |
| C 55L | 1.631 | 0.69 | 2.06 | 0.375 | 1.97 | 0.75 | 0.72 | 0.97 | 1.09 | 1.00 | — | 0.19 | 1.25 |
| 2.307" PITCH CHAIN | | | | | | | | | | | | | |
| C 60 | 2.307 | 0.88 | 2.94 | 0.500 | 2.88 | 1.00 | 0.75 | 1.31 | 1.44 | 1.31 | — | 0.25 | 1.69 |
| 2.308" PITCH CHAIN | | | | | | | | | | | | | |
| C 77 | 2.308 | 0.69 | 2.38 | 0.437 | 2.25 | 0.88 | 0.72 | 0.97 | 1.19 | 1.12 | — | 0.19 | 1.25 |
| 2.609" PITCH CHAIN | | | | | | | | | | | | | |
| C 188 | 2.609 | 0.94 | 2.69 | 0.500 | 2.50 | 1.12 | 0.88 | 1.25 | 1.44 | 1.25 | — | 0.25 | 1.56 |
| BRH 188 | 2.609 | 0.94 | 2.69 | 0.500 | 2.50 | 1.12 | 0.88 | 1.25 | 1.44 | 1.25 | 3.12 | 0.25 | 1.56 |
| 3.075" PITCH CHAIN | | | | | | | | | | | | | |
| C 131 | 3.075 | 1.12 | 3.75 | 0.625 | 3.50 | 1.50 | 1.22 | 1.62 | 1.88 | 1.75 | — | 0.38 | 2.06 |
| 4.000" PITCH CHAIN | | | | | | | | | | | | | |
| C 102B | 4.000 | 2.00 | 4.56 | 0.625 | 4.38 | 1.50 | 0.97 | 2.06 | 2.28 | 2.19 | — | 0.38 | 2.91 |
| 4.040" PITCH CHAIN | | | | | | | | | | | | | |
| C 102 1/2 | 4.040 | 2.00 | 5.00 | 0.750 | 4.38 | 1.75 | 1.38 | 2.12 | 2.50 | 2.19 | — | 0.38 | 2.91 |
| 4.760" PITCH CHAIN | | | | | | | | | | | | | |
| C 111 | 4.760 | 2.38 | 5.44 | 0.750 | 5.00 | 1.75 | 1.44 | 2.38 | 2.72 | 2.50 | — | 0.38 | 3.38 |
| C 111C | 4.760 | 2.38 | 5.44 | 0.750 | 5.00 | 1.75 | 1.44 | 2.38 | 2.72 | 2.50 | — | 0.38 | 3.38 |
| 6.000" PITCH CHAIN | | | | | | | | | | | | | |
| C 110 | 6.000 | 1.94 | 4.56 | 0.625 | 4.38 | 1.50 | 1.25 | 2.06 | 2.28 | 2.19 | — | 0.38 | 2.88 |
| C 133 | 6.000 | 1.25 | 4.31 | 0.875 | 4.00 | 2.00 | 1.75 | 1.81 | 2.16 | 2.00 | — | 0.38 | 2.88 |
| 6.050" PITCH CHAIN | | | | | | | | | | | | | |
| C 132 | 6.050 | 3.04 | 6.75 | 1.000 | 6.50 | 2.00 | 1.72 | 3.06 | 3.38 | 3.25 | — | 0.50 | 4.31 |
| PW 132 | 6.050 | 3.04 | 6.75 | 1.000 | 6.50 | 2.00 | 1.72 | 3.06 | 3.38 | 3.25 | 5.88 | 0.50 | 4.31 |
| MBP 132 | 6.050 | 3.04 | 6.75 | 1.000 | 6.50 | 2.00 | 1.72 | 3.06 | 3.38 | 3.25 | 5.88 | 0.50 | 4.31 |
| MBP 132C | 6.050 | 3.04 | 6.75 | 1.000 | 6.50 | 2.00 | 1.72 | 3.06 | 3.38 | 3.25 | 5.88 | 0.50 | 4.31 |

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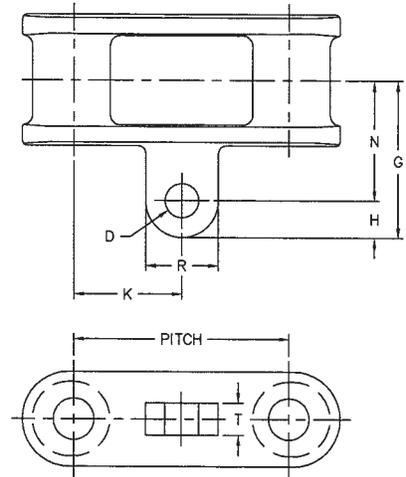
COMBINATION CHAIN ATTACHMENTS



A22 ATTACHMENT

A22 Attachments for
Chain No. C 55 are
Sidebar Attachments.

A22 Attachments for
Chain No. C 188 are
Block Link
Attachments as
illustrated.



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS.* |
|-----------------------------|------------------------------|------------------|------------------|------|------|------|------|------|------|----------------------------------------|
| | PITCH | D | | G | H | K | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| C 55-A22 | 1.631 | 0.31 | 0.34 | 1.94 | 0.44 | 0.81 | 1.50 | 0.75 | 0.25 | 2.9 |
| C 188-A22 | 2.609 | 0.38 | 0.41 | 1.88 | 0.44 | 1.31 | 1.44 | 0.88 | 0.38 | 3.8 |

*Attachment every 2nd pitch.

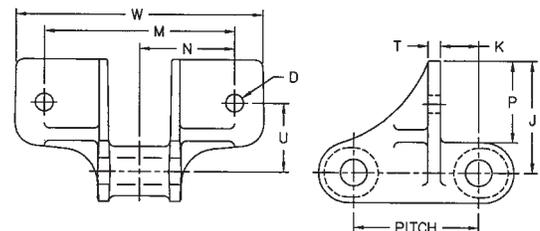
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS.* |
|-----------------------------|------------------------------|------------------|------------------|------|------|------|------|------|------|------|------|----------------------------------------|
| | PITCH | D | | J | K | M | N | P | T | U | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | |
| C 77-F2 | 2.308 | 0.31 | 0.34 | 1.94 | 1.31 | 1.75 | 0.88 | 1.50 | 0.25 | 1.38 | 2.56 | 3.0 |
| C 131-F2 | 3.075 | 0.38 | 0.44 | 2.75 | 0.94 | 4.69 | 2.34 | 2.00 | 0.31 | 1.69 | 6.12 | 9.0 |
| C 188-F2 | 2.609 | 0.31 | 0.34 | 2.19 | 1.25 | 2.00 | 1.00 | 1.62 | 0.31 | 1.50 | 2.75 | 4.5 |

*Attachment every 2nd pitch.

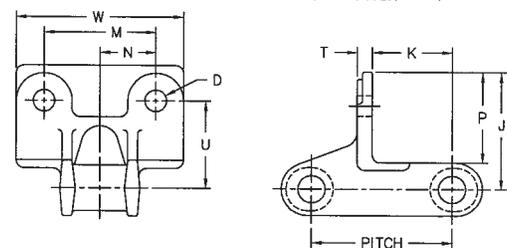
F2 ATTACHMENT

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C 131-F2



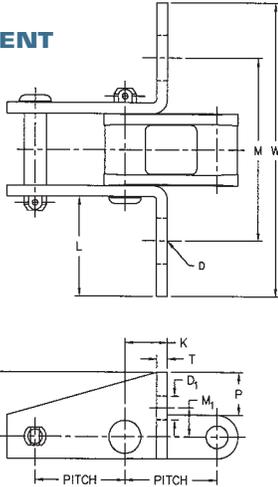
C 77-F2
C 188-F2





COMBINATION CHAIN ATTACHMENTS

F30 ATTACHMENT



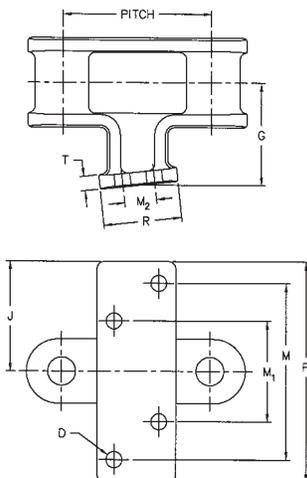
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS.* |
|-----------------------|------------------------------|---------------|---------------------------|------|------|------|------|----------------|------|------|------|-------------------------------|
| | PITCH | D SLOT LENGTH | D ₁ SLOT WIDTH | J | K | L | M | M ₁ | P | T | W | |
| C 55-F30 | 1.631 | 0.78 | 0.41 | 1.12 | 0.75 | 1.81 | 3.31 | 0.50 | 0.75 | 0.19 | 5.31 | 2.8 |

*Attachment every 2nd pitch.

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS.* |
|-----------------------|------------------------------|---------------|---------------|------|------|------|----------------|----------------|------|------|------|-------------------------------|
| | PITCH | D | | G | J | M | M ₁ | M ₂ | P | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | |
| C 131-G6 | 3.075 | 0.38 | 0.41 | 2.00 | 2.03 | 3.06 | 1.75 | 0.56 | 4.06 | 2.00 | 0.28 | 7.7 |
| C 188-G6 | 2.609 | 0.25 | 0.28 | 1.12 | 1.91 | 3.06 | 1.75 | 0.56 | 3.81 | 1.38 | 0.25 | 4.5 |

*Attachment every 2nd pitch.

G6 ATTACHMENT



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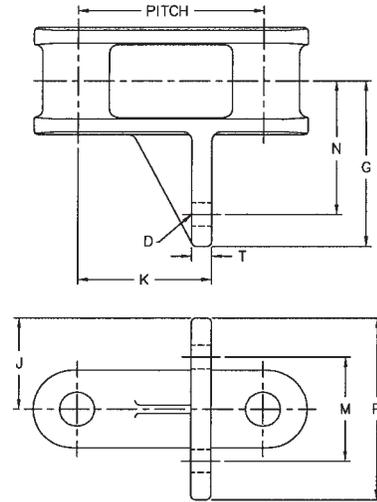
www.alliedlocke.com

Left Hand
Attachment Shown
Right Hand Attachment Available

COMBINATION CHAIN ATTACHMENTS



G19 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS.* |
|-----------------------------|------------------------------|------------------|------------------|------|------|------|------|------|------|------|------|----------------------------------------|
| | PITCH | D | | G | J | K | L | M | N | P | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | |
| C 55-G19 | 1.631 | 0.31 | 0.34 | 2.25 | 0.88 | 1.03 | 1.66 | 0.88 | 1.69 | 1.75 | 0.25 | 2.7 |
| C 188-G19 | 2.609 | 0.31 | 0.34 | 2.44 | 1.31 | 1.88 | 1.66 | 1.50 | 1.94 | 2.62 | 0.28 | 4.2 |

*Attachment every 2nd pitch.

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS.* | |
|-----------------------------|------------------------------|------------------|------------------|------|------|------|------|----------------|------|----------------|------|----------------------------------------|----------------|
| | PITCH | D | | J | K | M | R | R ₁ | T | T ₁ | W | | W ₁ |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | | |
| C 55-K1 | 1.631 | 0.25 | 0.28 | 0.50 | 0.81 | 2.03 | 0.81 | — | 1.16 | — | 2.91 | — | 2.4* |
| C 77-K1 | 2.308 | 0.38 | 0.41 | 0.66 | 1.16 | 3.00 | 1.19 | 1.19 | 0.22 | 0.19 | 4.12 | 4.19 | 2.4* |
| C 188-K1 | 2.609 | 0.38 | 0.41 | 0.81 | 1.31 | 3.75 | 1.19 | 2.12 | 0.22 | 0.25 | 4.81 | 5.12 | 4.8 |

*Attachment every 2nd pitch.

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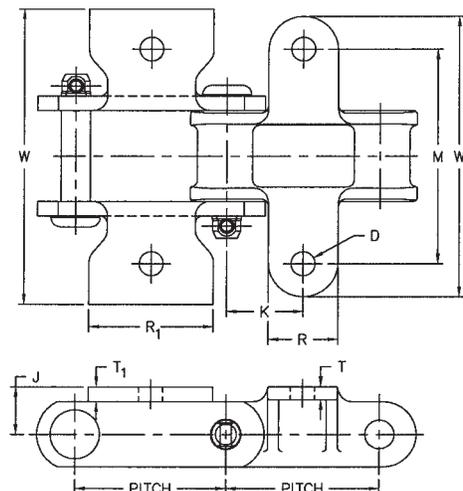
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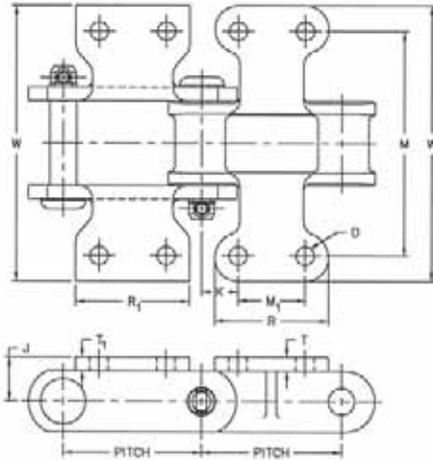
K1 ATTACHMENT



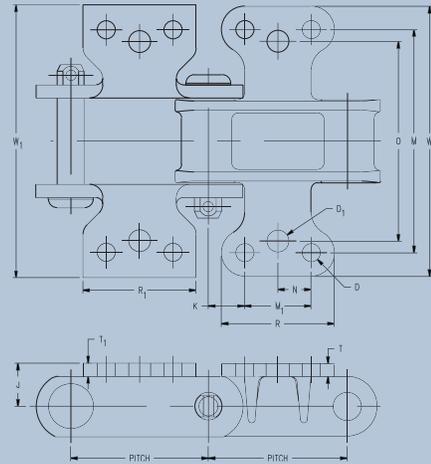


COMBINATION CHAIN ATTACHMENTS

K2 ATTACHMENT



K1/K2 ATTACHMENT



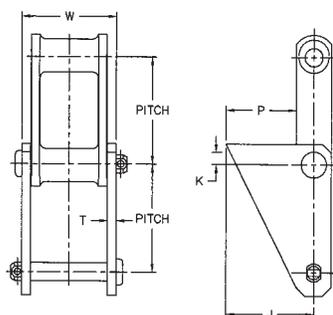
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|----------------|------|----------------|------|----------------|------|----------------|------------------------------|
| | PITCH | D | | J | K | M | M ₁ | R | R ₁ | T | T ₁ | W | W ₁ | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | | | |
| C 102B-K2 | 4.000 | 0.38 | 0.41 | 1.00 | 2.00 | 5.31 | 1.75 | 2.81 | 2.62 | 0.22 | 0.38 | 6.31 | 6.75 | 8.0 |
| C 102 1/2-K2 | 4.040 | 0.38 | 0.44 | 1.00 | 2.02 | 5.31 | 1.75 | 2.81 | 2.88 | 0.31 | 0.38 | 6.50 | 6.50 | 11.4 |
| C 110-K2 | 6.000 | 0.38 | 0.41 | 1.00 | 3.00 | 5.31 | 1.75 | 2.88 | 2.88 | 0.31 | 0.38 | 6.69 | 6.75 | 7.9 |
| C 111-K2 | 4.760 | 0.50 | 0.56 | 1.12 | 2.38 | 6.25 | 2.31 | 3.50 | 3.56 | 0.31 | 0.38 | 7.50 | 7.69 | 12.3 |
| C 111C-K2 | 4.760 | 0.50 | 0.56 | 1.12 | 2.38 | 6.25 | 2.31 | 3.50 | 3.56 | 0.31 | 0.38 | 7.50 | 7.69 | 12.3 |
| C 131-K2 | 3.075 | 0.50 | 0.56 | 1.00 | 1.53 | 4.12 | 1.50 | 2.62 | 2.50 | 0.31 | 0.38 | 5.25 | 5.38 | 8.1 |
| C 132-K2 | 6.050 | 0.50 | 0.56 | 1.25 | 3.03 | 7.50 | 2.75 | 4.00 | 4.00 | 0.50 | 0.50 | 9.00 | 9.62 | 16.8 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. | | | | |
|-----------------------|------------------------------|-----------|-----------|----------------|-----------|-----|------|------|----------------|-----|------|------|----------------|------------------------------|------|----------------|------|----------------|
| | PITCH | D | | D ₁ | | J | K | M | M ₁ | N | O | R | R ₁ | | T | T ₁ | W | W ₁ |
| | | BOLT DIA. | HOLE DIA. | BOLT DIA. | HOLE DIA. | | | | | | | | | | | | | |
| C188 K1/K2 | 2.609 | 0.31 | 0.34 | 0.38 | 0.41 | .81 | 1.31 | 4.19 | 1.25 | .62 | 3.75 | 2.12 | 2.12 | 0.25 | 0.25 | 5.06 | 5.12 | 5.2 |

| MOLINE ATTACHMENT NO. | PITCH | J | K | P | T | W | AVERAGE WEIGHT PER FOOT LBS.* |
|-----------------------|-------|------|------|------|------|------|-------------------------------|
| C 102 1/2-S1 | 4.040 | 3.75 | 1.00 | 2.88 | 0.38 | 3.72 | 12.2 |
| C 111-S1 | 4.760 | 4.38 | 1.00 | 3.50 | 0.38 | 4.19 | 12.5 |
| C 111C-S1 | 4.760 | 4.38 | 1.00 | 3.50 | 0.38 | 4.19 | 12.5 |
| C 132-S1 | 6.050 | 5.00 | 1.28 | 4.00 | 0.50 | 5.44 | 18.8 |
| PW 132-S1 | 6.050 | 5.00 | 1.28 | 4.00 | 0.50 | 5.44 | 21.5 |
| MBP 132-S1 | 6.050 | 5.00 | 1.28 | 4.00 | 0.50 | 5.44 | 21.1 |
| MBP 132C-S1 | 6.050 | 5.00 | 1.28 | 4.00 | 0.50 | 5.44 | 21.1 |
| C 188-S1 | 2.609 | 2.62 | 0.62 | 2.19 | 0.25 | 2.12 | 4.7 |

*Attachment every 2nd pitch.

S1 ATTACHMENT



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"H" CLASS MILL CHAIN



Moline "H" Class Mill Chain is an extremely strong, serviceable chain originally designed for heavy drives and transfer conveyor purposes in saw mills and the paper and pulp industry. "H" Class Chain has proven itself for innumerable other industrial applications as well, especially for moderate duty in abrasive atmospheres where heavy, rugged chain is required.

The sidebars of the "H" Class links are reinforced with wearing shoes which strengthen and stiffen the links when it is operated in troughs or over floors and runways.

Pin holes are precision cored to assure accurate pitch sizes, which range from 2.308 to 4.000 inches. "H" Class Chain is available in both riveted and cottered construction. T-head pins engage two lugs cast on the links' sidebars. This configuration prohibits pin rotation during chain operation, eliminating abrasive wear and pitch elongation.

Moline "H" Class Chain conforms to manufacturer's standards and is completely interchangeable with chains of other manufacturers. "H" Class Chain is available in Moline Promal with tensile ranges of 9,450 to 40,500 pounds.

"H" Class Chain may operate in two directions. As a drive chain, it travels in the direction of the closed barrel; for elevator or conveyor applications, it should travel toward the open ends of the links.

Brutaloy or cast steel sprockets are available to accommodate every "H" Class pitch size. A wide assortment of attachments is also available for varied chain applications.

"H" CLASS MILL CHAIN MATERIALS

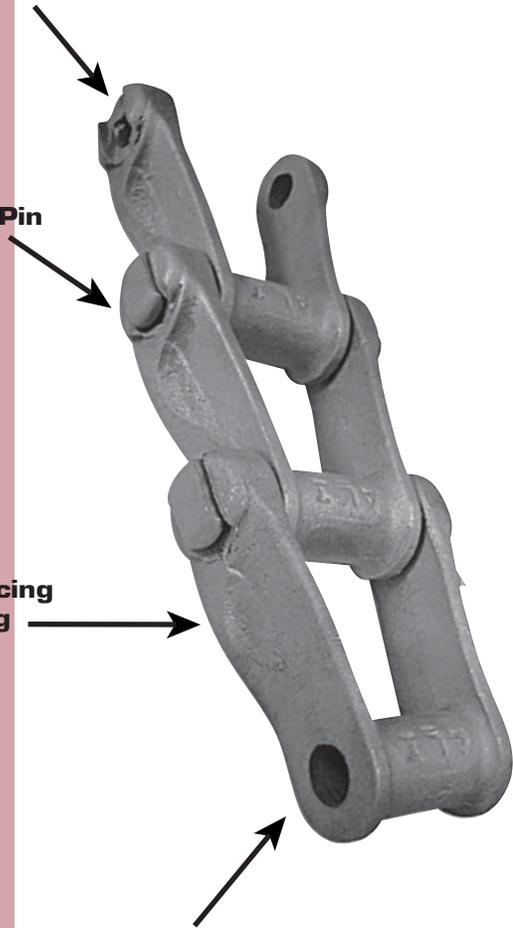
| MOLINE CHAIN NO. | LINKS | PINS |
|-------------------------------------------------------|----------------------------------|-----------------------------------------------|
| H 60 H 74 H 78 H 79 H 82 H 87 H 124 | ALL NUMBERS Moline Promal | ALL NUMBERS Carbon Steel, Heat-Treated |

Lugs To Prevent Pin Rotation

T-Head Pin

Reinforcing Wearing Shoes

Accurately Cored Pin Holes



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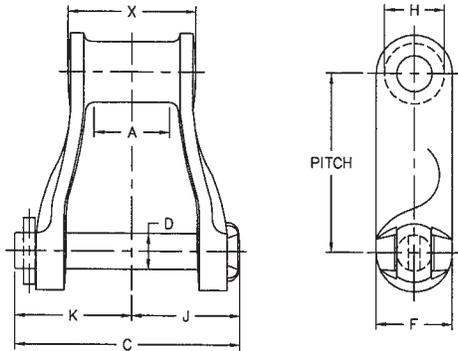
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Fax: 815-288-7945

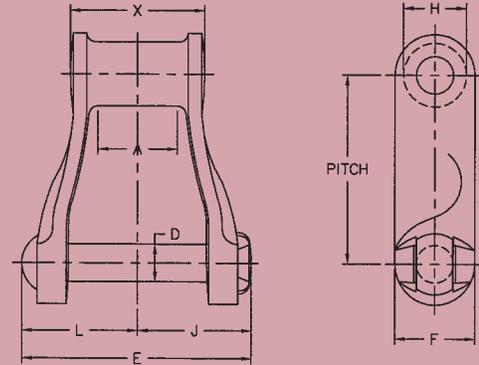
www.alliedlocke.com



"H" CLASS MILL CHAIN



Cotted



Riveted

Available in riveted and cotted construction
Riveted furnished unless otherwise specified

ORDERING AND APPLICATION DATA

| MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION | AVAILABLE ATTACHMENTS |
|------------------|-----------------|-------------------|----------------------|--------------------------------|---------------------------------------|--------------------|---------------------------------|
| H 60 | 2.308 | 52 | 2.1 | 9,450 | 1,560 | Riveted or Cotted | H2, K1 |
| H 74 | 2.609 | 46 | 3.0 | 13,500 | 1,850 | Riveted or Cotted | F4 |
| H 78 | 2.609 | 46 | 4.2 | 22,200 | 2,810 | Riveted or Cotted | A1, F4, F8, G19, H1, H2, K1, K2 |
| H 79 | 2.609 | 46 | 4.8 | 24,300 | 2,810 | Riveted or Cotted | None |
| H 82 | 3.075 | 39 | 5.5 | 27,000 | 3,580 | Riveted or Cotted | K2 |
| H 87 | 4.000 | 30 | 6.5 | 33,750 | 4,450 | Riveted or Cotted | None |
| H 124 | 4.000 | 30 | 8.8 | 40,500 | 6,180 | Riveted or Cotted | K2 |

| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | |
|------------------|------------------------------|-----------------------------------|-------------------------|-------------------|--------------------------|----------------------|----------------------|------------------------------|------------------------------------|-------------------------------------|------------------|
| | PITCH | MAXIMUM ALLOWABLE SPROCKET FACE A | OVER-ALL WIDTH—COTTED C | DIAMETER OF PIN D | OVER-ALL WIDTH—RIVETED E | HEIGHT OF SIDEBARS F | DIAMETER OF BARREL H | HEAD OF PIN TO CENTER LINE J | END OF PIN TO CENTER LINE—COTTED K | END OF PIN TO CENTER LINE—RIVETED L | BEARING LENGTH X |
| H 60 | 2.308 | 0.75 | 2.62 | 0.312 | 2.62 | 0.75 | 0.75 | 1.25 | 1.38 | 1.38 | 1.50 |
| H 74 | 2.609 | 1.00 | 3.12 | 0.375 | 2.88 | 1.00 | 0.88 | 1.50 | 1.62 | 1.62 | 1.66 |
| H 78 | 2.609 | 1.12 | 3.31 | 0.500 | 3.19 | 1.12 | 0.88 | 1.56 | 1.62 | 1.62 | 1.88 |
| H 79 | 2.609 | 1.12 | 3.31 | 0.500 | 3.19 | 1.12 | 0.88 | 1.56 | 1.62 | 1.62 | 1.88 |
| H 82 | 3.075 | 1.25 | 3.88 | 0.562 | 3.88 | 1.25 | 1.22 | 1.88 | 2.00 | 2.00 | 2.12 |
| H 87 | 4.000 | 1.50 | 4.38 | 0.625 | 4.19 | 1.38 | 1.38 | 2.06 | 2.12 | 2.12 | 2.38 |
| H 124 | 4.000 | 1.62 | 4.88 | 0.750 | 4.75 | 1.56 | 1.44 | 2.25 | 2.50 | 2.50 | 2.75 |

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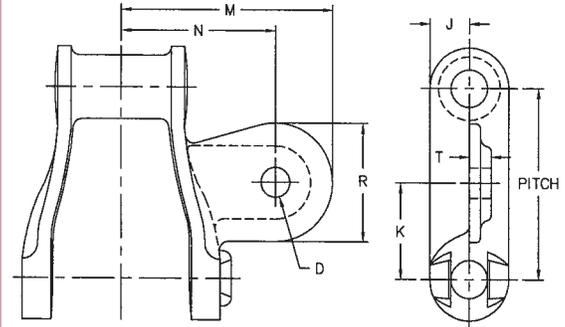
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"H" CLASS MILL CHAIN ATTACHMENTS



A1 ATTACHMENT

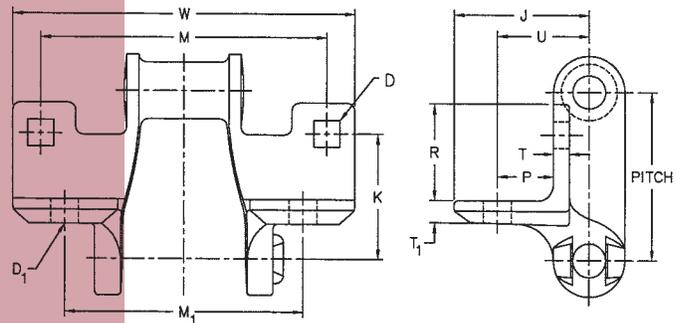


NOTE: "R" and "L" suffixes in Moline Attachment Nos. designate right and left hand attachments.

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| H 78-A1 R | 2.609 | 0.38 | 0.41 | 0.56 | 1.31 | 3.00 | 2.19 | 1.62 | 0.31 | 4.8 |
| H 78-A1 L | 2.609 | 0.38 | 0.41 | 0.56 | 1.31 | 3.00 | 2.19 | 1.62 | 0.31 | 4.8 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. | |
|-----------------------|------------------------------|-----------|-----------|----------------|-------------|------|------|------|----------------|------|------|------|----------------|------|------------------------------|-----|
| | PITCH | D | | D ₁ | | J | K | M | M ₁ | P | R | T | T ₁ | U | | W |
| | | BOLT DIA. | HOLE DIA. | BOLT DIA. | SQUARE HOLE | | | | | | | | | | | |
| H 74-F4 | 2.609 | 0.31 | 0.34 | 0.38 | 0.41 | 2.12 | 1.94 | 4.12 | 3.25 | 0.88 | 1.12 | 0.25 | 0.38 | 1.38 | 4.88 | 6.0 |
| H 78-F4 | 2.609 | 0.38 | 0.41 | 0.38 | 0.41 | 2.12 | 1.94 | 4.50 | 3.75 | 0.88 | 1.31 | 0.25 | 0.38 | 1.44 | 5.38 | 8.1 |

F4 ATTACHMENT



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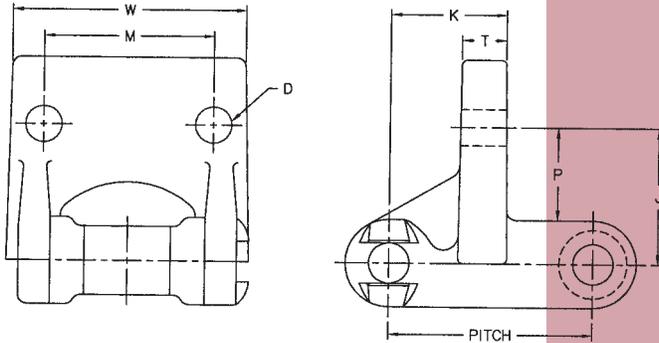
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"H" CLASS MILL CHAIN ATTACHMENTS

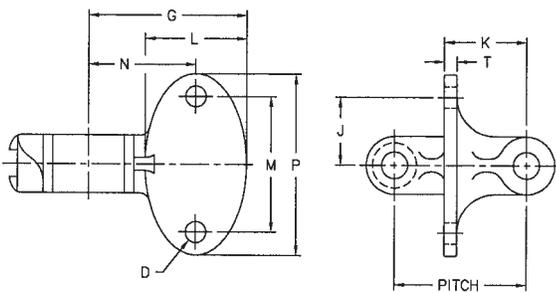
F8 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | P | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| H 78-F8 | 2.609 | 0.44 | 0.47 | 1.75 | 1.50 | 2.19 | 1.19 | 0.62 | 3.00 | 10.0 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | J | K | L | M | N | P | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | |
| H 78-G19 | 2.609 | 0.38 | 0.41 | 2.75 | 1.75 | 1.62 | 1.25 | 2.62 | 2.19 | 3.50 | 0.25 | 5.9 |

G19 ATTACHMENT



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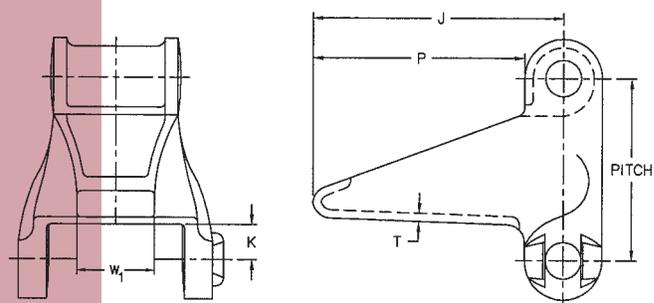
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"H" CLASS MILL CHAIN ATTACHMENTS



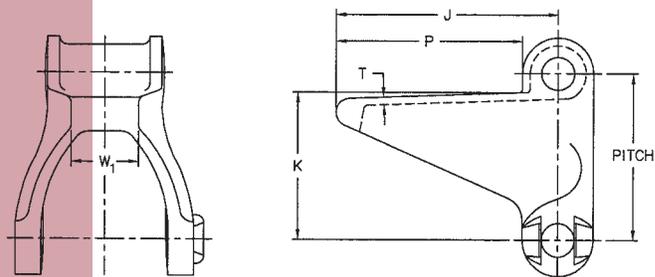
H1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|------|------|------|------|----------------|------------------------------|
| | PITCH | J | K | P | T | W ₁ | |
| H 78-H1 | 2.609 | 3.62 | 0.50 | 3.06 | 0.12 | 1.12 | 6.8 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|------|------|------|------|----------------|------------------------------|
| | PITCH | J | K | P | T | W ₁ | |
| H 60-H2 | 2.308 | 2.44 | 2.12 | 2.06 | 0.09 | 1.00 | 3.4 |
| H 78-H2 | 2.609 | 3.50 | 2.31 | 2.94 | 0.12 | 1.06 | 6.5 |

H2 ATTACHMENT



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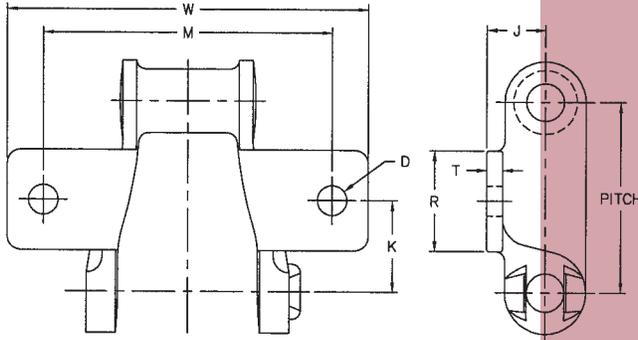
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"H" CLASS MILL CHAIN ATTACHMENTS

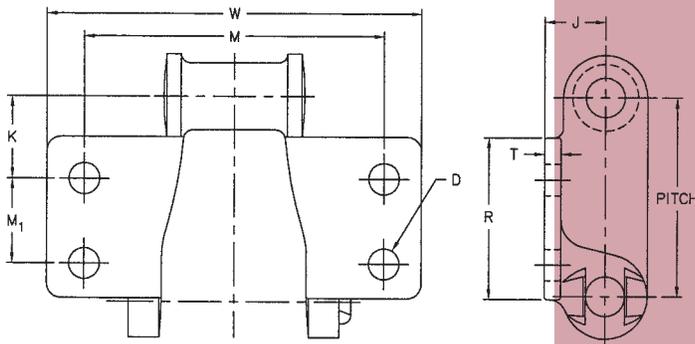
K1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | R | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| H 60-K1 | 2.308 | 0.31 | 0.34 | 0.75 | 1.06 | 3.00 | 1.12 | 0.19 | 4.00 | 2.8 |
| H 78-K1 | 2.609 | 0.38 | 0.41 | 0.81 | 1.25 | 4.00 | 1.38 | 0.22 | 5.00 | 5.6 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|----------------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | M ₁ | R | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| H 78-K2 | 2.609 | 0.38 | 0.41 | 0.81 | 1.08 | 4.00 | 1.12 | 2.12 | 0.25 | 5.00 | 6.0 |
| H 82-K2 | 3.075 | 0.38 | 0.41 | 0.88 | 1.00 | 4.25 | 1.31 | 2.19 | 0.31 | 5.50 | 7.6 |
| H 124-K2 | 4.000 | 0.38 | 0.41 | 1.19 | 1.19 | 5.25 | 1.94 | 2.88 | 0.31 | 6.38 | 11.3 |

K2 ATTACHMENT



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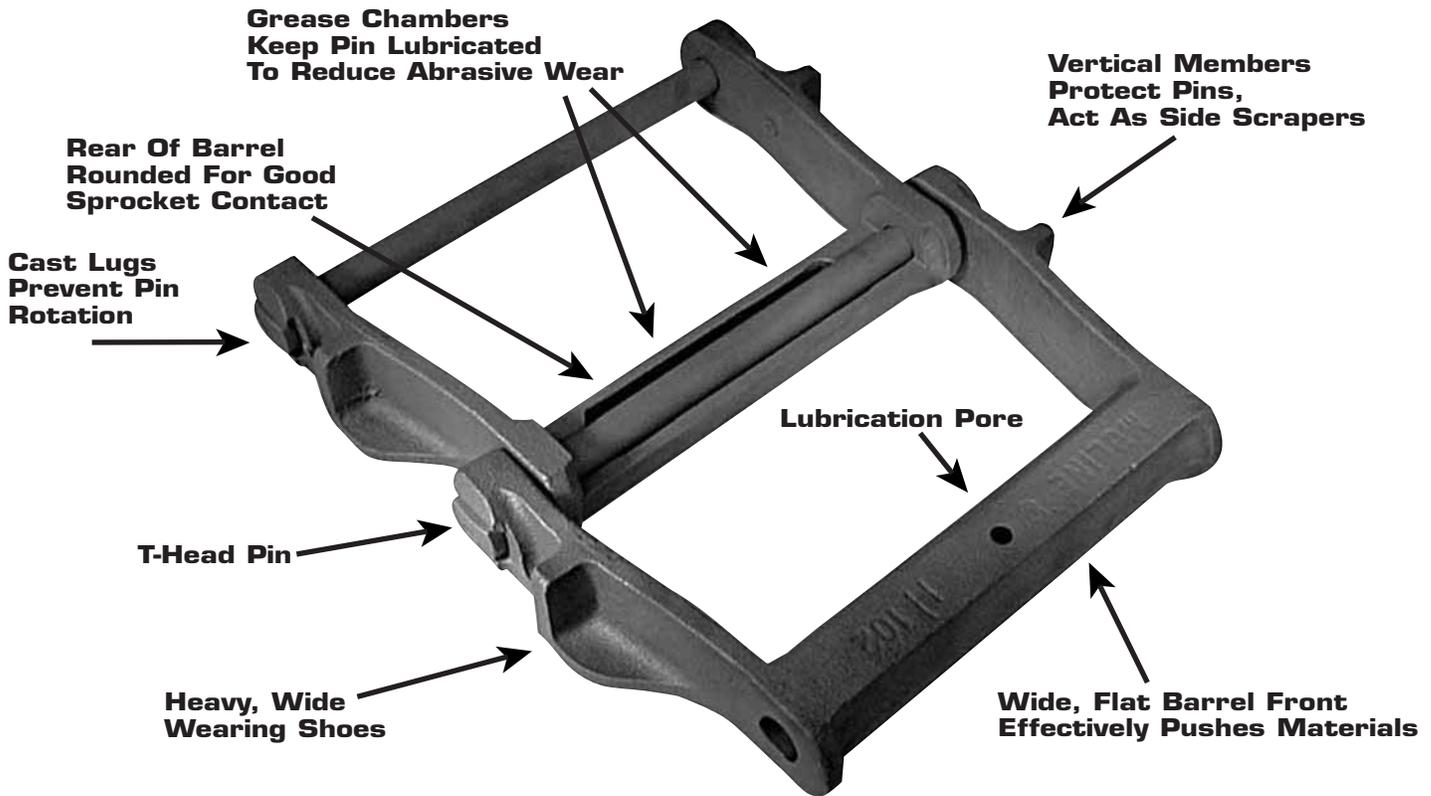
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"H" CLASS REFUSE DRAG CHAIN



Moline Refuse Drag Chain is used for conveying sawdust, wood chips, pulp, garbage, tankage, ashes, and other abrasive waste materials through either wooden or steel troughs. Because of its large, wide opening area, Moline Refuse Drag Chain provides sizeable carrying capacity when operated at moderate speeds.

The front face of each barrel is flat, providing a broad area to push material along the trough and to keep the chain from riding over the top of the material. The rounded inner side of the barrel is carefully shaped to make excellent sprocket contact. Sidebars are reinforced with wearing shoes which provide both additional wearing surface and stiffening for the link. A vertical member on each sidebar assures added link rigidity and protects the pin from damage.

Moline Refuse Drag Chain is available in Moline Promal with a tensile strength range of 36,400 to 52,000 pounds. This rugged working chain is available in a pitch range of 5.000 to 8.000 inches. Each link is produced in accordance with manufacturer's standards and may be interchanged with links made by other chain manufacturers. Moline Refuse Drag Chain is available in riveted construction only. Grease chambers, cored into each link's barrel, hold grease which lubricates pins.

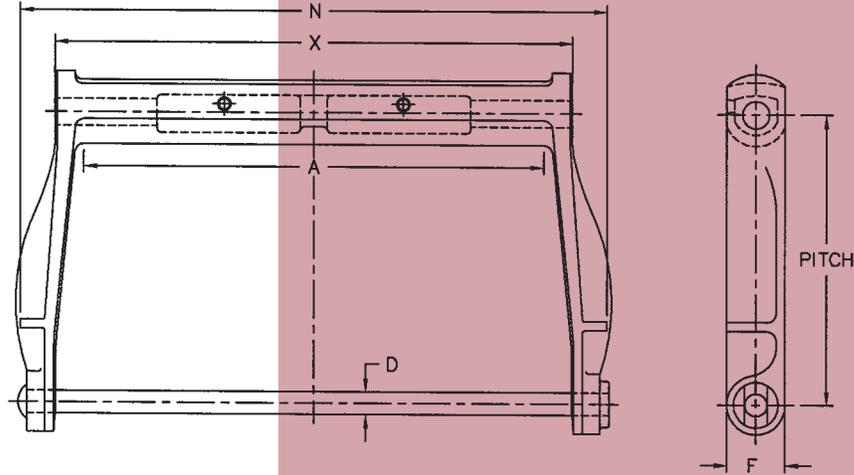
Wide faced sprockets, either of Brutaloy or cast steel, are recommended for Refuse Drag Chain operation. Links should always be run in the direction of the closed barrel.

"H" CLASS REFUSE DRAG CHAIN MATERIALS

| MOLINE CHAIN NO. | CAST LINKS | PINS |
|-------------------------------------------------------------|----------------------------------|-----------------------------------------------|
| H 102 H 104 H 110 H 112 H 116 H 120 H 480 | ALL NUMBERS Moline Promal | ALL NUMBERS Carbon Steel, Heat-Treated |



“H” CLASS REFUSE DRAG CHAIN



Available in riveted construction only

ORDERING AND APPLICATION DATA

| MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION |
|------------------|-----------------|-------------------|----------------------|--------------------------------|---------------------------------------|--------------------|
| H 102 | 5.000 | 24 | 10.7 | 36,400 | 6,100 | Riveted Only |
| H 104 | 6.000 | 20 | 8.0 | 36,400 | 6,100 | Riveted Only |
| H 110 | 6.000 | 20 | 12.9 | 36,400 | 6,100 | Riveted Only |
| H 112 | 8.000 | 15 | 10.8 | 36,400 | 6,100 | Riveted Only |
| H 116 | 8.000 | 15 | 14.6 | 36,400 | 6,100 | Riveted Only |
| H 120 | 6.000 | 20 | 18.5 | 49,400 | 8,200 | Riveted Only |
| H 480 | 8.000 | 15 | 18.1 | 52,000 | 8,650 | Riveted Only |

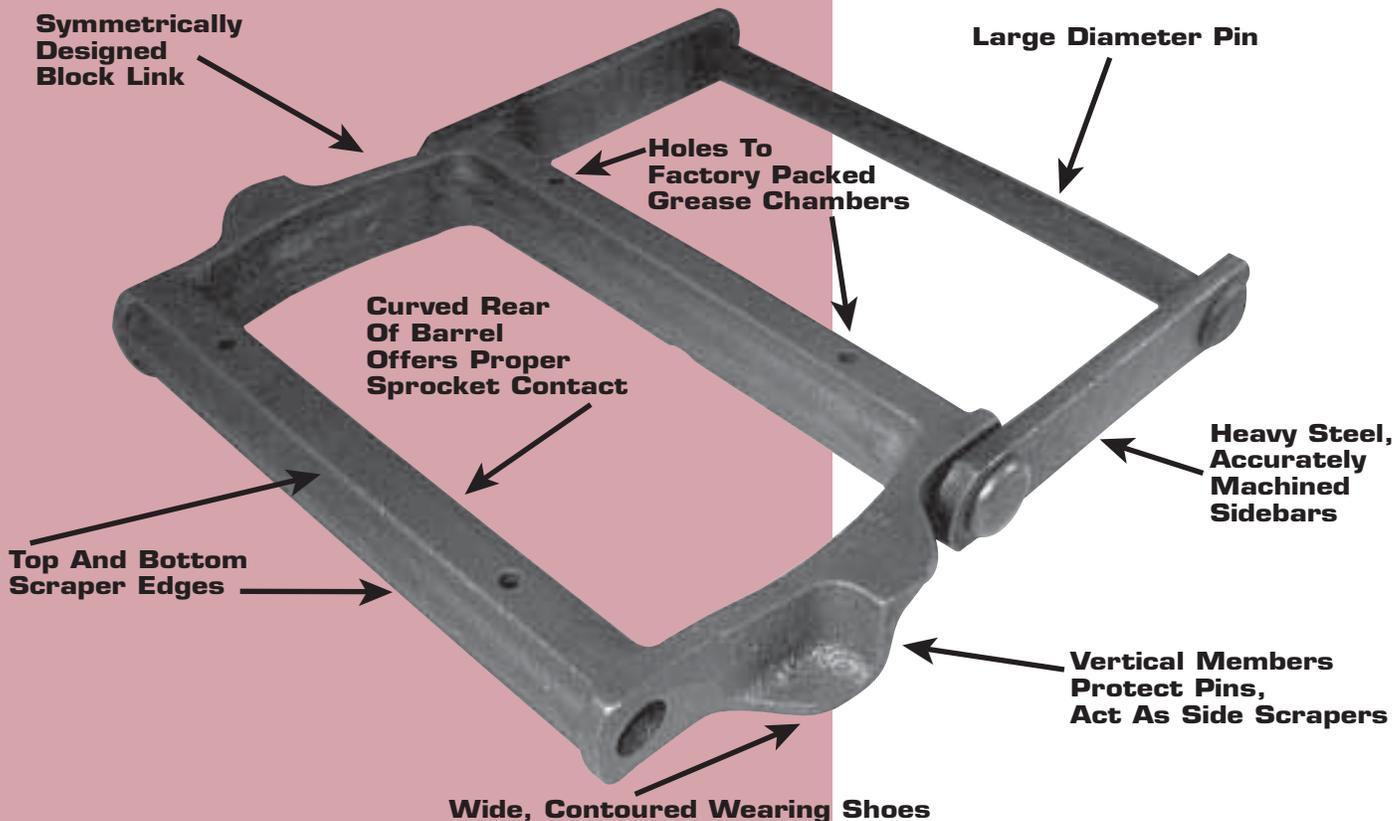
| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | |
|------------------|------------------------------|-----------------------------------|-------------------|---------------------|------------------|-----------------------------|
| | PITCH IN INCHES | MAXIMUM ALLOWABLE SPROCKET FACE A | DIAMETER OF PIN D | HEIGHT OF SIDEBAR F | OVER-ALL WIDTH N | OVER-ALL LENGTH OF BARREL X |
| H 102 | 5.000 | 6.38 | 0.625 | 1.50 | 9.75 | 7.75 |
| H 104 | 6.000 | 4.12 | 0.625 | 1.50 | 7.50 | 5.31 |
| H 110 | 6.000 | 9.00 | 0.625 | 1.50 | 12.50 | 10.62 |
| H 112 | 8.000 | 9.00 | 0.625 | 1.50 | 12.50 | 10.62 |
| H 116 | 8.000 | 13.00 | 0.625 | 1.62 | 16.38 | 14.44 |
| H 120 | 6.000 | 8.75 | 0.750 | 2.00 | 12.88 | 10.19 |
| H 480 | 8.000 | 11.12 | 0.750 | 2.00 | 16.00 | 12.69 |

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COMBINATION REFUSE DRAG CHAIN



Moline's Combination Refuse Drag Chain is designed for applications similar to Moline's "H" Class Refuse Drag Chain, but Combination Refuse Drag Chain is stronger and more adaptable to heavy-duty drag conveyor operations. The advantage of the Combination Refuse Drag Chain lies in the larger diameter pin, the higher ultimate strength and load capacity of each link, and the better bearing area between pin and link.

Combination Refuse Drag Chain is composed of alternating steel sidebars and iron block links. The block links are available in Moline Promal with a tensile strength range from 54,500 to 73,000 pounds.

The invertible symmetrical design of each Combination block link virtually doubles its working life. Heavy wearing shoes, one on each horizontal edge of the block link's sidebar, reduce chain wear on both carrying and return runs. Vertical reinforcement ribs between the shoes act as material carriers and also protect the connecting pins from damage. Both the upper and lower edges of the barrel's pushing surface have scraper edges. The dual design of scraper edges and wearing shoes makes inversion of worn chain links possible for continued service.

Grease chambers cored into the block link barrels are factory filled. This lubrication method prevents freezing of chain joints and reduces barrel wear, thereby requiring little attention.

Combination Refuse Drag Chain is available in riveted construction only.

Chain should operate in the direction of the scraper faces; barrel sides which make sprocket contact are curved for efficient sprocket operation. Brutaloy sprockets are available in both 6 and 8 inch pitch sizes.

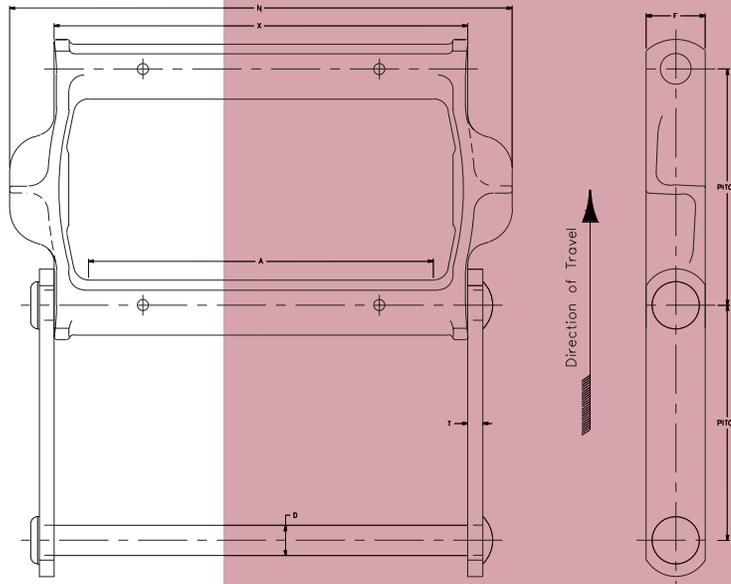
COMBINATION REFUSE DRAG CHAIN MATERIALS

| MOLINE NO. | BLOCK LINKS | PINS | SIDEBARS |
|------------|---------------|----------------------------|----------------------------|
| 6104 | ALL NUMBERS | Carbon Steel, Heat Treated | ALL NUMBERS |
| 6110 | Moline Promal | Carbon Steel, Heat Treated | Carbon Steel, Heat Treated |
| 8480 | | Alloy, Heat Treated | Heat Treated |

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COMBINATION REFUSE DRAG CHAIN



Available in riveted construction only

COMBINATION REFUSE DRAG CHAIN MATERIALS

| MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION |
|------------------|-----------------|-------------------|----------------------|--------------------------------|---------------------------------------|--------------------|
| 6104 | 6.000 | 20 | 10.0 | 54,500 | 9,000 | Riveted Only |
| 6110 | 6.000 | 20 | 12.2 | 54,500 | 9,000 | Riveted Only |
| 8480 | 8.000 | 15 | 20.6 | 73,000 | 12,000 | Riveted Only |

| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | |
|------------------|------------------------------|-----------------------------------|-------------------|---------------------|------------------|------------------------|-----------------------------|
| | PITCH | MAXIMUM ALLOWABLE SPROCKET FACE A | DIAMETER OF PIN D | HEIGHT OF SIDEBAR F | OVER-ALL WIDTH N | THICKNESS OF SIDEBAR T | OVER-ALL LENGTH OF BARREL X |
| 6104 | 6.000 | 3.75 | 0.750 | 1.50 | 7.50 | 0.38 | 5.50 |
| 6110 | 6.000 | 9.00 | 0.750 | 1.50 | 12.75 | 0.38 | 10.50 |
| 8480 | 8.000 | 11.12 | 0.875 | 2.00 | 16.00 | 0.50 | 12.75 |

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TRANSFER CHAIN



"H" CLASS TRANSFER CHAIN

Moline Transfer Chain is available in two types: "H" Class Transfer Chain and Combination Transfer Chain. "H" Class Transfer Chain includes those numbered H 78A, H 78B, H 130, H 131, and H 138. All "H" Class Transfer Chain is available only in riveted construction. "H" Class Transfer Chain numbered H 78A, H 130, and H 131 is made with peaked roofs. Chain numbered H 138 and H 78B has flat roofs.

Combination Transfer Chain includes those numbered C55A, C55B, and C55C. It is available only in riveted construction with peaked roofs.

Both types of Moline Transfer Chain, referred to at times as "roof top" and "camelback" chain, are designed to carry heavily concentrated loads such as lumber, boxes, barrels, and crates. They are usually intended for operation in troughs in two or more parallel strands, with only the tops of the links protruding.

All Moline Transfer Chain is available in Moline Promal. The tensile strengths of Moline Transfer Chain range from 11,700 to 29,900 pounds.

Rivet pins furnished with Moline "H" Class Transfer Chain are T-head pins which engage two head holders, cast on the side bars of each link, to prevent pin rotation and minimize wear and elongation of pitch.

Moline Transfer Chain is available in a pitch range of 1.631 to 4.000 inches. Every Moline Transfer Chain is manufactured according to manufacturer's standards and may be interchanged with chain of other manufacturers, where available.

Brutaloy sprockets are available for every pitch size.



H78A



H78B



H138



H130

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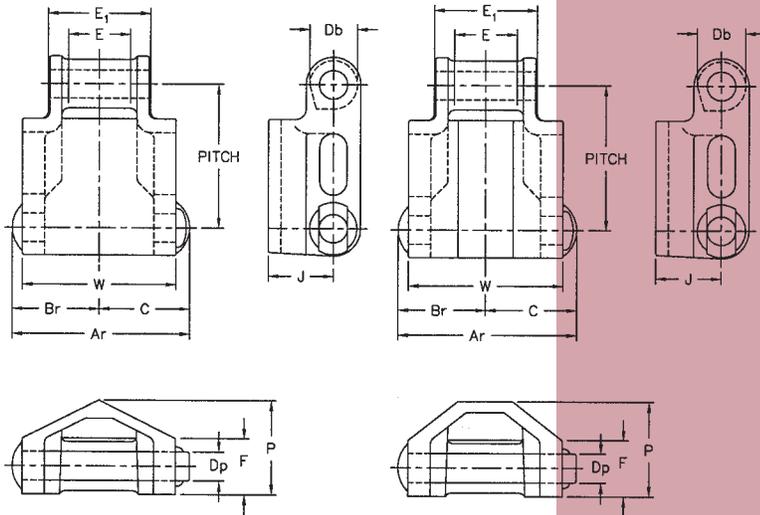
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"H" CLASS TRANSFER CHAIN



H78A
H130
H131
Available in riveted construction only

H78B
H138

"H" CLASS TRANSFER CHAIN MATERIALS

| MOLINE CHAIN NO. | CAST LINKS | PINS |
|---------------------------------------------|------------------------------|----------------------------------------------|
| H 78 A H 78 B H 130 H 131 H 138 | ALL NUMBERS Moline Promal | ALL NUMBERS Carbon Steel, Heat-Treated |

ORDERING AND APPLICATION DATA

| MOLINE CHAIN NO. | PITCH IN INCHES | STYLE OF TOP | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LOAD LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION |
|------------------|-----------------|--------------|-------------------|----------------------|-------------------------------------|---------------------------------------|--------------------|
| H 78A | 2.609 | A | 46 | 5.6 | 20,800 | 2,820 | Riveted Only |
| H 78B | 2.609 | B | 46 | 6.1 | 20,800 | 2,820 | Riveted Only |
| H 130 | 4.000 | A | 30 | 5.2 | 18,200 | 2,440 | Riveted Only |
| H 131 | 4.000 | A | 30 | 8.4 | 29,900 | 4,700 | Riveted Only |
| H 138 | 4.000 | B | 30 | 5.8 | 19,500 | 2,440 | Riveted Only |

| CHAIN NO. | STYLE OF TOP | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | |
|-----------|--------------|------------------------------|-------------------------------------------|------------------------------------------------------|---------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|---------------------------------------------|------------------------|---------------------------|----------------------|-------------------|
| | | PITCH | OVER-ALL WIDTH- RIVETED A _r | END OF PIN TO CENTER LINE- RIVETED B _r | HEAD OF PIN TO CENTER LINE C | DIAMETER OF BARREL D _b | DIAMETER OF PIN D _p | MAXIMUM ALLOWABLE SPROCKET FACE E | OVER-ALL LENGTH OF BARREL E ₁ | HEIGHT OF SIDEBAR F | CENTER OF PIN TO TOP J | OVER-ALL HEIGHT P | WIDTH OF TOP W |
| H 78A | A | 2.609 | 3.25 | 1.62 | 1.56 | 0.88 | 0.500 | 1.12 | 1.88 | 1.00 | 1.12 | 1.69 | 2.81 |
| H 78B | B | 2.609 | 3.25 | 1.62 | 1.56 | 0.88 | 0.500 | 1.12 | 1.88 | 1.00 | 1.12 | 1.69 | 2.81 |
| H 130 | A | 4.000 | 3.25 | 1.62 | 1.62 | 1.00 | 0.500 | 1.00 | 1.62 | 1.06 | 1.16 | 1.69 | 2.81 |
| H 131 | A | 4.000 | 4.00 | 2.06 | 1.94 | 1.25 | 0.625 | 1.62 | 2.50 | 1.56 | 1.47 | 2.25 | 3.44 |
| H 138 | B | 4.000 | 3.25 | 1.62 | 1.62 | 1.00 | 0.500 | 1.00 | 1.62 | 1.06 | 1.16 | 1.69 | 2.81 |

COMBINATION TRANSFER CHAIN



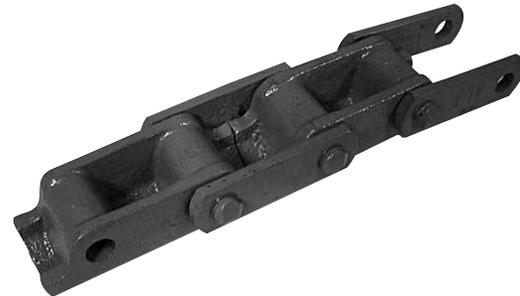
COMBINATION TRANSFER CHAIN MATERIALS

| MOLINE CHAIN NO. | BLOCK LINKS | PINS | SIDEBARS |
|----------------------------|------------------------------|----------------------------------------------|--------------|
| C 55 A C 55 B C 55 D | ALL NUMBERS Moline Promal | ALL NUMBERS Carbon Steel, Heat-Treated | Carbon Steel |

**C55A
TOP VIEW**



**C55A
BOTTOM VIEW**



C55B



C55D



Allied-Locke Industries Inc.

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Fax: 800-462-3130

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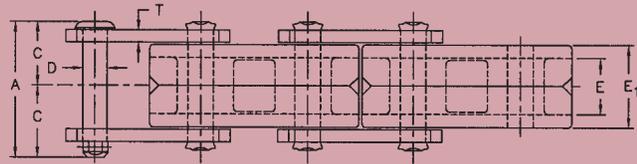
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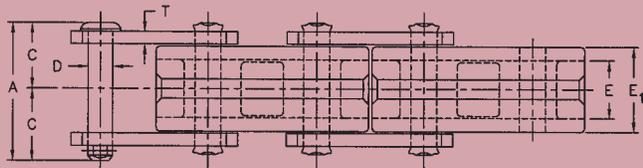
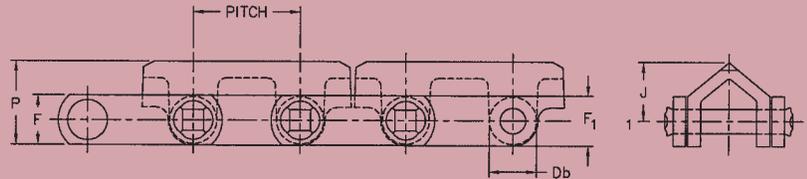


COMBINATION TRANSFER CHAIN

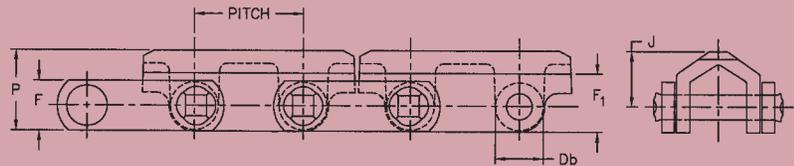
ORDERING AND APPLICATION DATA



C55A



**C55B
C55D**

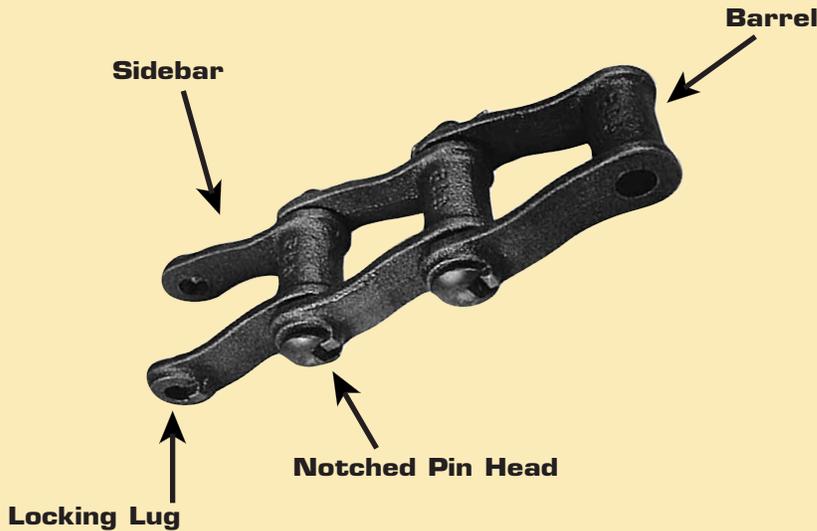


Available in riveted construction only

| MOLINE CHAIN NO. | STYLE OF TOP | DIMENSIONS IN DECIMAL INCHES | | | | | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION |
|------------------|--------------|------------------------------|-------------------|----------------------|--------------------------------|-------|---------------------------------------|--------------------|
| | | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | | | |
| C 55 A | A | 1.631 | 74 | 3.2 | 11,700 | 1,400 | Riveted Only | |
| C 55 B | B | 1.631 | 74 | 3.2 | 11,700 | 1,400 | Riveted Only | |
| C 55 D | D | 1.631 | 74 | 3.2 | 11,700 | 1,400 | Riveted Only | |

| MOLINE CHAIN NO. | STYLE OF TOP | PITCH | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | |
|------------------|--------------|-------|------------------------------|-------------------------------------------|--------------------------|----------------------|-----------------------------------|---------------------------------|------------------------|--------------------------|---------------------------|----------------------|---------------------------|
| | | | OVER-ALL WIDTH-RIVETED A | HEAD OF PIN TO CENTER LINE - RIVETED C | DIAMETER OF BARREL Db | DIAMETER OF PIN D | MAX. ALLOWANCE SPROCKET FACE E | OVER-ALL LENGTH OF BARREL E1 | HEIGHT OF SIDEBAR F | HEIGHT OF SHOULDER F1 | CENTER OF PIN TO TOP J | OVER-ALL HEIGHT P | THICKNESS OF SIDEBAR T |
| C 55 A | A | 1.631 | 2.00 | 1.00 | 0.72 | 0.375 | 0.69 | 1.25 | 0.75 | 0.75 | 0.88 | 1.25 | 0.19 |
| C 55 B | B | 1.631 | 2.00 | 1.00 | 0.72 | 0.375 | 0.69 | 1.25 | 0.75 | 0.75 | 0.88 | 1.25 | 0.19 |
| C 55 D | D | 1.631 | 2.00 | 1.00 | 0.72 | 0.375 | 0.69 | 1.25 | 0.88 | 0.88 | 0.88 | 1.25 | 0.19 |

400 CLASS PINTLE CHAIN



Moline 400 Class Pintle Chain is a lightweight, moderately priced chain capable of handling average loads at slow or intermediate speeds. It is proportionately cast for balance, strength and long, efficient service, and is available in riveted or cottered construction. The head of each pin is notched to fit the sidebar locking lug which keeps the pin from rotating when the chain is in use. Closed bearing construction makes 400 Class Pintle Chain useful in conveying moderately gritty and abrasive materials.

Manufactured in Moline Promal, with a tensile strength range from 7,800 to 28,600 pounds, Moline 400 Class Pintle Chain is carefully cored for pitch accuracy with smooth bearing surfaces that reduce "break-in" wear causing pitch elongation.

400 Class Pintle Chain is available in a pitch range of 1.375 to 3.075 inches with a complete assortment of Brutaloy or cast steel sprockets.

A large assortment of attachments are available to handle a wide variety of applications. Styles A and G attachments are offered in right and left hand links.

As a drive chain, 400 Class Pintle is designed to travel in the direction of the barrel end of the links; as an elevating or conveying chain, its direction of travel should be toward the open ends of the links.

All Moline 400 Class Pintle Chain is manufactured according to manufacturer's standards and is completely interchangeable with other manufacturers' chain.

400 CLASS PINTLE CHAIN MATERIALS

| MOLINE CHAIN NO. | LINKS | PINS |
|------------------|------------------------------|----------------------------------------------|
| 442 | ALL NUMBERS Moline Promal | ALL NUMBERS Carbon Steel, Heat-Treated |
| 445 | | |
| 452 | | |
| 455 | | |
| 462 | | |
| 477 | | |
| 488 | | |
| 4103 | | |

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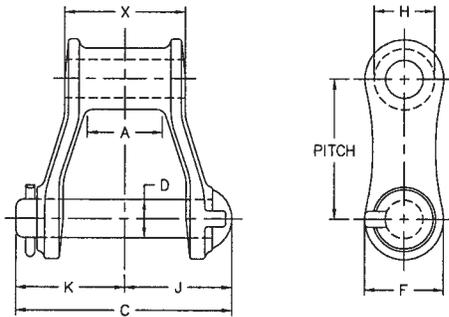
ORDERING AND APPLICATION DATA

| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | |
|------------------|------------------------------|-------------------|----------------------|--------------------------------|---------------------------------------|---------------------|-----------------------------------|
| | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION | AVAILABLE ATTACHMENTS |
| 442 | 1.375 | 88 | 1.4 | 7,800 | 1,000 | Riveted or Cottered | None |
| 445 | 1.630 | 74 | 1.5 | 7,800 | 1,000 | Riveted or Cottered | A1, F2, K1 |
| 452 | 1.506 | 80 | 2.0 | 9,100 | 1,250 | Riveted or Cottered | A88, D5, E1, K1 |
| 455 | 1.630 | 74 | 1.9 | 9,490 | 1,260 | Riveted or Cottered | D15, F2, K1 |
| 462 | 1.634 | 73 | 2.5 | 11,700 | 1,880 | Riveted or Cottered | A12, F2, K1 |
| 477 | 2.308 | 52 | 2.0 | 12,480 | 1,640 | Riveted or Cottered | A22, D5, F2, F16, G1, G19, K1, K2 |
| 488 | 2.609 | 46 | 2.9 | 14,300 | 2,130 | Riveted or Cottered | F2, G19, K1, K2 |
| 4103 | 3.075 | 39 | 5.7 | 28,600 | 4,200 | Riveted or Cottered | F2, F29, K2 |

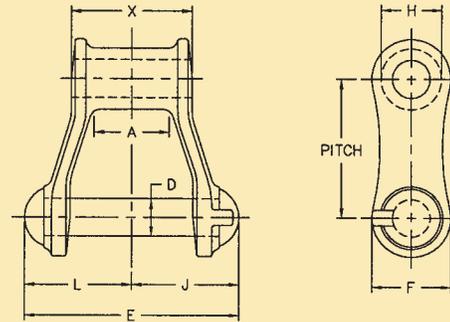


400 CLASS PINTLE CHAIN

Cottered



Riveted



Available in riveted and cottered construction
Cottered furnished unless otherwise specified

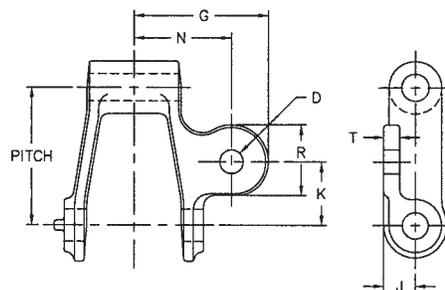
| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | |
|------------------------|------------------------------|-----------------------------------------------|-------------------------------------|----------------------------|------------------------------------|-------------------------------|-------------------------------|------------------------------------------|------------------------------------------------------|-----------------------------------------------------|------------------------|
| | PITCH | MAXIMUM ALLOWABLE SPROCKET FACE A | OVER-ALL WIDTH— COTTERED C | DIAMETER OF PIN D | OVER-ALL WIDTH— RIVETED E | HEIGHT OF SIDEBARS F | DIAMETER OF BARREL H | HEAD OF PIN TO CENTER LINE J | END OF PIN TO CENTER LINE— COTTERED K | END OF PIN TO CENTER LINE— RIVETED L | BEARING LENGTH X |
| 442 | 1.375 | 0.62 | 2.03 | 0.31 | 1.88 | 0.75 | 0.56 | 0.97 | 1.06 | 0.91 | 1.06 |
| 445 | 1.630 | 0.69 | 2.03 | 0.31 | 1.88 | 0.75 | 0.62 | 0.97 | 1.06 | 0.91 | 1.06 |
| 452 | 1.506 | 0.62 | 2.22 | 0.38 | 2.06 | 0.84 | 0.69 | 1.03 | 1.19 | 1.03 | 1.09 |
| 455 | 1.630 | 0.69 | 2.22 | 0.38 | 2.06 | 0.84 | 0.62 | 1.03 | 1.19 | 1.03 | 1.12 |
| 462 | 1.634 | 0.88 | 2.56 | 0.44 | 2.38 | 0.94 | 0.72 | 1.25 | 1.31 | 1.12 | 1.44 |
| 477 | 2.308 | 0.69 | 2.38 | 0.44 | 2.25 | 1.00 | 0.72 | 1.16 | 1.22 | 1.09 | 1.25 |
| 488 | 2.609 | 0.94 | 2.94 | 0.44 | 2.75 | 0.94 | 0.88 | 1.44 | 1.50 | 1.31 | 1.62 |
| 4103 | 3.075 | 1.12 | 3.56 | 0.75 | 3.25 | 1.50 | 1.25 | 1.75 | 1.81 | 1.50 | 1.88 |

400 CLASS PINTLE CHAIN ATTACHMENTS



A1 ATTACHMENT

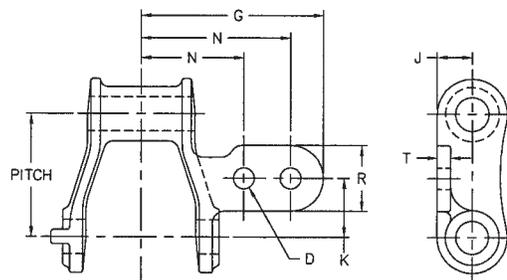
NOTE: "R" and "L" suffixes in Moline Attachment Nos. designate right hand and left hand attachments.



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | J | K | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 445-A1R | 1.630 | 0.25 | 0.28 | 1.59 | 0.38 | 0.75 | 1.16 | 0.88 | 0.19 | 1.8 |
| 445-A1L | 1.630 | 0.25 | 0.28 | 1.59 | 0.38 | 0.75 | 1.16 | 0.88 | 0.19 | 1.8 |

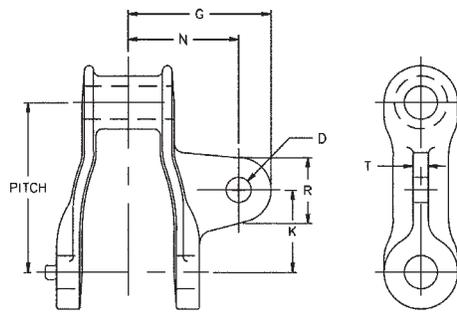
A12 ATTACHMENT

NOTE: "R" and "L" suffixes in Moline Attachment Nos. designate right hand and left hand attachments.



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|----------------|------|------|------------------------------|
| | PITCH | D | | G | J | K | N | N ₁ | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 462-A12R | 1.634 | 0.25 | 0.28 | 2.44 | 0.44 | 0.78 | 2.00 | 1.38 | 0.88 | 0.19 | 3.0 |
| 462-A12L | 1.634 | 0.25 | 0.28 | 2.44 | 0.44 | 0.78 | 2.00 | 1.38 | 0.88 | 0.19 | 3.0 |

A22 ATTACHMENT

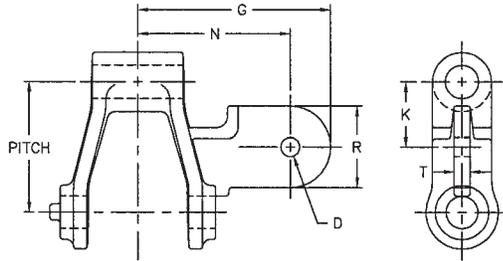


| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | K | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| 477-A22 | 2.308 | 0.31 | 0.34 | 1.94 | 1.12 | 1.50 | 0.88 | 0.25 | 2.5 |



400 CLASS PINTLE CHAIN ATTACHMENTS

A88 ATTACHMENT



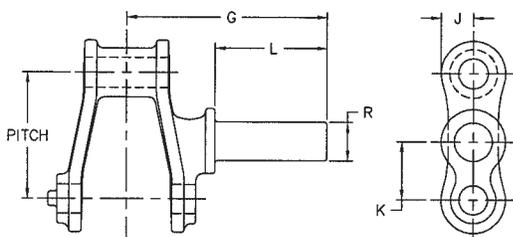
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | K | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| 452-A88 | 1.506 | 0.19 | 0.22 | 2.25 | 0.75 | 1.78 | 0.94 | 0.19 | 2.6 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|------|------|------|------|------|------------------------------|
| | PITCH | G | J | K | L | R | |
| 452-D5 | 1.506 | 2.50 | 0.38 | 0.75 | 1.59 | 0.56 | 3.0 |
| 477-D5 | 2.308 | 2.75 | 0.62 | 1.12 | 1.50 | 0.62 | 3.1 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|------|------|------|------|------|------------------------------|
| | PITCH | G | J | K | L | R | |
| 455-D15 | 1.630 | 2.62 | 0.38 | 0.75 | 1.75 | 0.50 | 3.4 |

D5 ATTACHMENT

D15 ATTACHMENT



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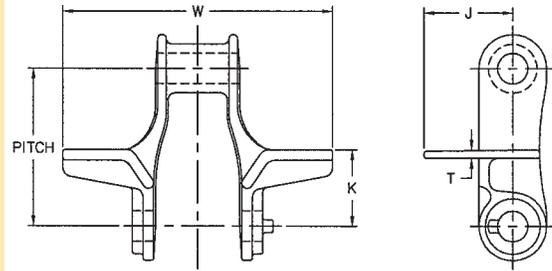
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Phone: 815-288-1471

Fax: 815-288-7945

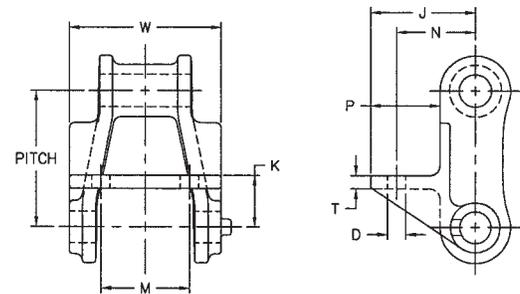
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400 CLASS PINTLE CHAIN ATTACHMENTS



F16 ATTACHMENT

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|------|------|------|------|------------------------------|
| | PITCH | J | K | T | W | |
| 477-F16 | 2.308 | 1.38 | 1.25 | 0.19 | 4.12 | 3.3 |



F2 ATTACHMENT

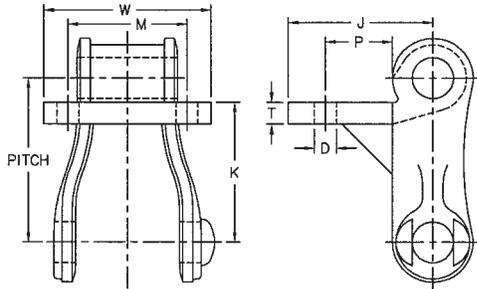
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | N | P | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 445-F2 | 1.630 | 0.19 | 0.22 | 1.28 | 0.62 | 1.06 | 0.94 | 0.91 | 0.16 | 1.50 | 2.0 |
| 455-F2 | 1.630 | 0.19 | 0.22 | 1.25 | 0.62 | 1.06 | 0.94 | 0.81 | 0.16 | 1.81 | 2.7 |
| 462-F2 | 1.634 | 0.19 | 0.22 | 1.31 | 0.62 | 1.06 | 1.00 | 0.81 | 0.16 | 2.09 | 2.5 |
| 477-F2 | 2.308 | 0.31 | 0.34 | 2.00 | 0.75 | 1.75 | 1.44 | 1.50 | 0.25 | 2.62 | 3.7 |
| 488-F2 | 2.609 | 0.31 | 0.34 | 1.97 | 1.06 | 2.03 | 1.38 | 1.50 | 0.28 | 2.88 | 4.5 |
| 4103-F2 | 3.075 | 0.38 | 0.41 | 2.66 | 1.25 | 2.22 | 2.00 | 1.91 | 0.31 | 3.12 | 8.1 |

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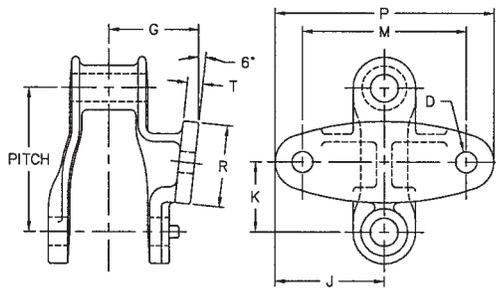
400 CLASS PINTLE CHAIN ATTACHMENTS

F29 ATTACHMENT



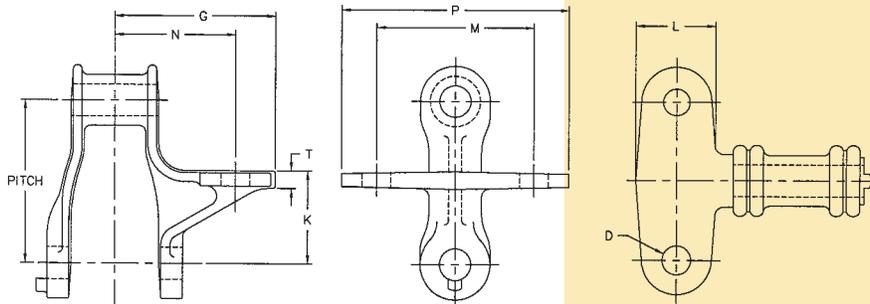
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | P | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 4103-F29 | 3.075 | 0.38 | 0.41 | 2.69 | 2.62 | 2.22 | 1.25 | 0.41 | 3.12 | 9.6 |

G1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. | |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|-----|
| | PITCH | D | | G | J | K | M | P | R | | T |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 477-G1 | 2.308 | 0.31 | 0.34 | 1.44 | 1.75 | 1.12 | 2.62 | 3.50 | 1.31 | 0.25 | 3.7 |

G19 ATTACHMENT

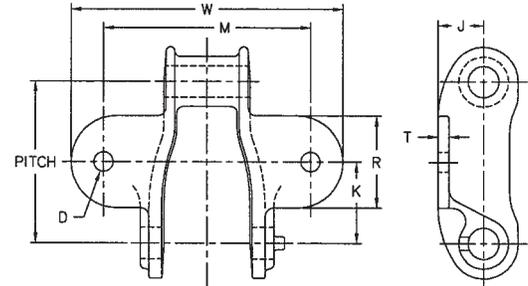


| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. | |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|-----|
| | PITCH | D | | G | K | L | M | N | P | | T |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 477-G19 | 2.308 | 0.38 | 0.41 | 2.28 | 1.31 | 1.12 | 2.25 | 1.72 | 3.25 | 0.19 | 3.3 |
| 488-G19 | 2.609 | 0.31 | 0.34 | 2.69 | 1.38 | 1.38 | 2.62 | 2.00 | 3.62 | 0.22 | 4.4 |

400 CLASS PINTLE CHAIN ATTACHMENTS



K1 ATTACHMENT

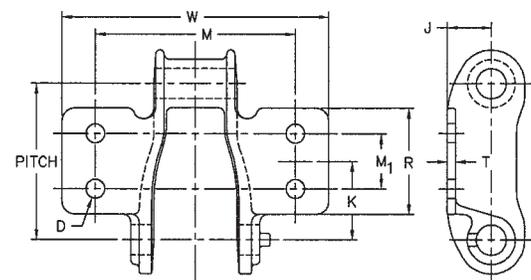


| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | R | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 445-K1 | 1.630 | 0.19 | 0.22 | 0.44 | 0.72 | 2.06 | 0.94 | 0.12 | 2.81 | 2.1 |
| 452-K1 | 1.506 | 0.19 | 0.22 | 0.44 | 0.75 | 2.06 | 0.72 | 0.16 | 2.75 | 2.5 |
| 455-K1* | 1.630 | 0.25 | 0.28 | 0.44 | 0.81 | 2.00 | 0.81 | 0.16 | 2.88 | 2.3 |
| 462-K1 | 1.634 | 0.25 | 0.28 | 0.50 | 0.81 | 2.38 | 0.94 | 0.16 | 3.25 | 3.2 |
| 477-K1 | 2.308 | 0.25 | 0.28 | 0.66 | 1.16 | 3.00 | 1.38 | 0.16 | 3.94 | 2.9 |
| 488-K1 | 2.609 | 0.31 | 0.34 | 0.66 | 1.31 | 3.81 | 1.38 | 0.19 | 4.75 | 3.9 |

*Available cotted construction only.

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|----------------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | M ₁ | R | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 477-K2 | 2.308 | 0.25 | 0.28 | 0.66 | 1.16 | 3.00 | 0.81 | 1.56 | 0.12 | 4.00 | 2.9 |
| 488-K2 | 2.609 | 0.31 | 0.34 | 0.66 | 1.28 | 3.62 | 1.25 | 2.12 | 0.19 | 4.50 | 4.6 |
| 4103-K2 | 3.075 | 0.50 | 0.56 | 0.84 | 1.53 | 4.12 | 1.50 | 2.62 | 0.31 | 5.25 | 8.0 |

K2 ATTACHMENT



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700 CLASS PINTLE CHAIN

Moline's long pitch 700 Class Pintle Chain offers maximum strength at minimum weight. It is totally suited for sewage plant applications as well as other conveying and elevating uses. Sidebars have casted lugs to fit.

T-head pins fit snugly, eliminating pin rotation and preventing the entrance of dirt and grit into the accurately cored pin holes. Closed bearing construction also helps to keep the chain safe from pitch elongation due to abrasive wear.

Riveted chain construction is recommended for sewage application, but either cottered or riveted construction is available on request. Stainless steel cotters can be furnished when specified.

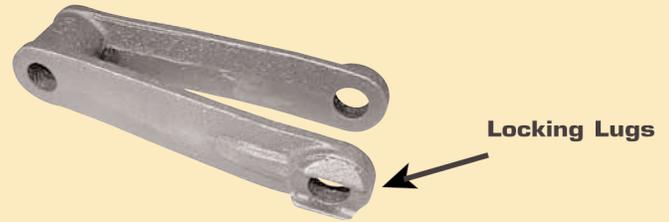
"F" attachments shown in the following pages and tables conform to industry standards. However, many specials are also available. Contact Allied-Locke for details.

Moline 700 Class Pintle Chain is furnished with carbon steel heat treated pins. These pins achieve optimum articulation because they are manufactured to exact diameters which properly fit the accurately cored holes of the chain links.

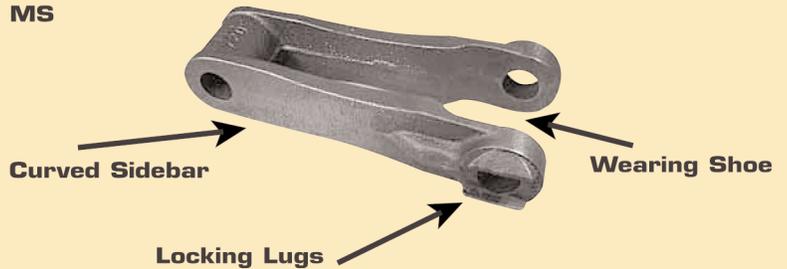
Brutaloy sprocket wheels are available. The curved sidebars on 700 Class Pintle Chain are a feature which enhances maximum chain life when chain is run on Chain Saver Hunting Tooth Sprockets. A, F, K, and M Style attachments are available. The "F" style attachments have large face plates with bolt holes for secure mounting of wooden flights.

As drive chain, 700 Class Pintle links are designed to travel in the direction of their barrel ends; as elevator and conveyor chain, they should travel in the direction of their open ends. All Moline 700 Class Chain is made to manufacturer's standards and is interchangeable with other manufacturers' chain.

PLAIN



MS



700 CLASS PINTLE CHAIN MATERIALS

| MOLINE CHAIN NO. | CAST LINKS | PINS |
|------------------|---------------|-------------------------------|
| 720 | ALL NUMBERS | ALL NUMBERS |
| 720S | Moline Promal | Carbon Steel, Heat Treated |
| MS720S | | |
| 730 | | |
| MS730 | | |
| 788 | | |

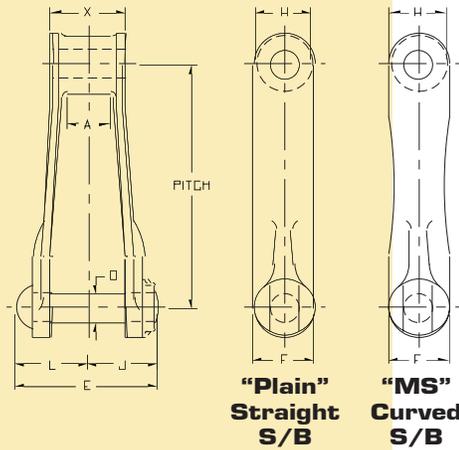
ORDERING AND APPLICATION DATA

| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | |
|------------------|------------------------------|-------------------|----------------------|--------------------------------|---------------------------------------|---------------------|----------------------------------------------------------------------|
| | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION | AVAILABLE ATTACHMENTS |
| | Moline Promal | | | | | | |
| 720 | 6.000 | 20 | 4.2 | 28,600 | 3,720 | Riveted or Cottered | A2, A53, AM116, F2, F22-6, F22-8, K1, K2, M1, PDF2, PDF22-6, PDF22-8 |
| 720 S | 6.000 | 20 | 5.2 | 40,000 | 4,250 | Riveted or Cottered | A2, A53, AM116, F2, F22-6, F22-8, K2, M1 |
| MS 720 S | 6.000 | 20 | 6.2 | 42,000 | 4,200 | Riveted or Cottered | A2, A42, F2, F22-6, F22-8, K2, M1 |
| 730 | 6.000 | 20 | 6.0 | 40,000 | 4,500 | Riveted or Cottered | A2, A42, F2, F22-6, F22-8, K2, M1 |
| MS 730 | 6.000 | 20 | 6.3 | 40,000 | 4,500 | Riveted or Cottered | F2, F22-6, F22-8, M1 |
| 788 | 2.609 | 46 | 4.6 | 22,750 | 2,740 | Riveted or Cottered | None |

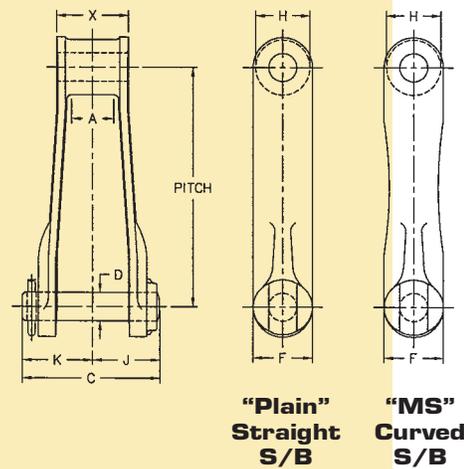
700 CLASS PINTLE CHAIN



RIVETED



COTTERED



Available in riveted or cottered construction
Cottered furnished unless otherwise specified

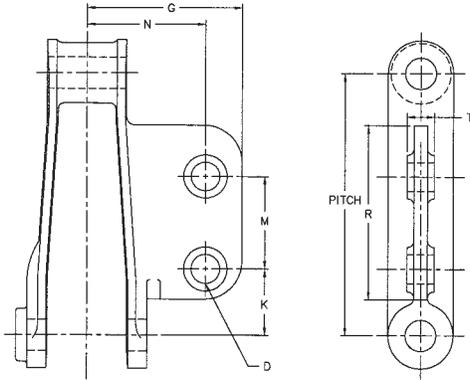
| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | |
|------------------------|------------------------------|-----------------------------------------------|-------------------------------------|----------------------------|------------------------------------|-------------------------------|-------------------------------|------------------------------------------|------------------------------------------------------|-----------------------------------------------------|------------------------|
| | PITCH | MAXIMUM ALLOWABLE SPROCKET FACE A | OVER-ALL WIDTH— COTTERED C | DIAMETER OF PIN D | OVER-ALL WIDTH— RIVETED E | HEIGHT OF SIDEBARS F | DIAMETER OF BARREL H | HEAD OF PIN TO CENTER LINE J | END OF PIN TO CENTER LINE— COTTERED K | END OF PIN TO CENTER LINE— RIVETED L | BEARING LENGTH X |
| 720 | 6.000 | 1.12 | 3.44 | 0.69 | 3.31 | 1.50 | 1.38 | 1.62 | 1.81 | 1.69 | 1.81 |
| 720S | 6.000 | 1.12 | 3.81 | 0.75 | 3.69 | 1.56 | 1.44 | 1.75 | 2.06 | 1.94 | 1.88 |
| MS 720S | 6.000 | 1.12 | 3.81 | 0.75 | 3.69 | 1.56 | 1.44 | 1.75 | 2.06 | 1.94 | 1.88 |
| 730 | 6.000 | 1.12 | 3.81 | 0.75 | 3.69 | 1.75 | 1.50 | 1.81 | 2.00 | 1.88 | 2.00 |
| MS 730 | 6.000 | 1.12 | 3.81 | 0.75 | 3.69 | 1.75 | 1.50 | 1.81 | 2.00 | 1.88 | 2.00 |
| 788 | 2.609 | 0.94 | 3.31 | 0.56 | 3.19 | 1.19 | 0.88 | 1.56 | 1.75 | 1.62 | 1.62 |

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700 CLASS PINTLE CHAIN ATTACHMENTS

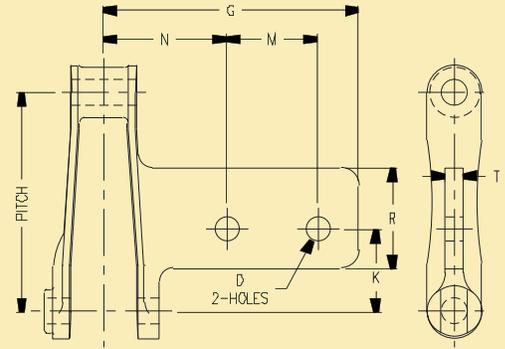
A2 ATTACHMENT



Attachment No.
730-A2, available
without bosses only

Attachment Nos.
720-A2 and
MS 720S-A2, available
with bosses only

AD474 ATTACHMENT

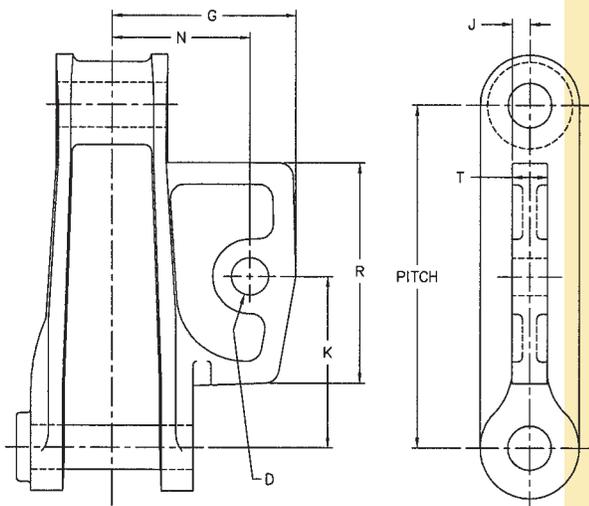


| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | K | M | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 720-A2 | 6.000 | 0.62 | 0.69 | 3.56 | 1.50 | 2.12 | 2.72 | 4.00 | 0.62 | 6.5 |
| MS720 S-A2 | 6.000 | 0.62 | 0.69 | 3.56 | 1.94 | 2.12 | 2.75 | 3.75 | 0.62 | 8.8 |
| 730-A2 | 6.000 | 0.62 | 0.69 | 3.56 | 1.94 | 2.12 | 2.75 | 3.81 | 0.44 | 8.6 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | K | M | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| MS720 S-AD474 | 6.000 | 0.62 | 0.66 | 7.00 | 2.25 | 2.50 | 3.38 | 2.75 | 0.50 | 6.5 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | J | K | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 730-A42 | 6.000 | 0.62 | 0.69 | 3.25 | 0.31 | 3.00 | 2.44 | 3.88 | 0.62 | 7.3 |
| MS720 S-A42 | 6.000 | 0.62 | 0.66 | 3.88 | 0.78 | 3.00 | 3.00 | 3.88 | 1.56 | 9.0 |

A42 ATTACHMENT



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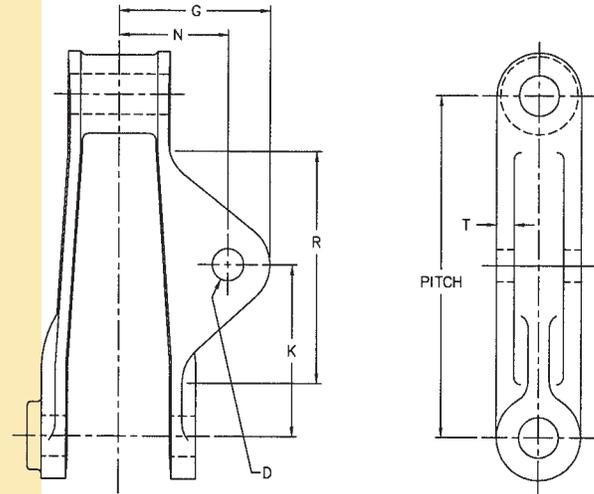
Local:
Phone: 815-288-1471
Fax: 815-288-7945

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700 CLASS PINTLE CHAIN ATTACHMENTS



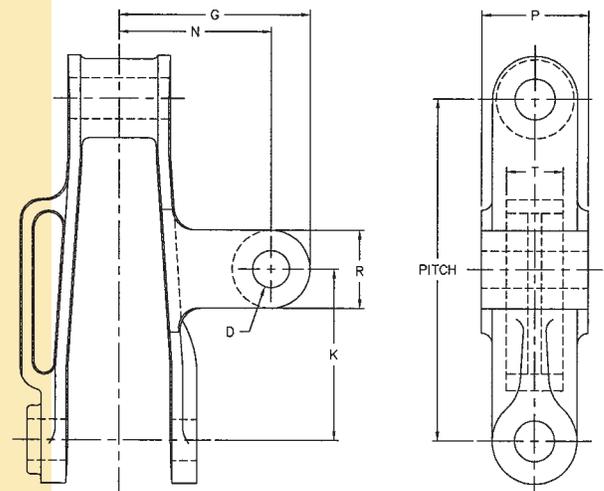
A53 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | K | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | |
| 720-A53 | 6.000 | 0.50 | 0.56 | 2.69 | 3.00 | 1.94 | 3.75 | 0.31 | 6.3 |
| 720S-A53 | 6.000 | 0.50 | 0.56 | 2.69 | 3.00 | 1.94 | 3.00 | 0.31 | 7.3 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | G | K | N | P | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 720-AM116 | 6.000 | 0.62 | 0.66 | 3.38 | 3.00 | 2.75 | 1.94 | 1.38 | 1.00 | 7.8 |
| 720S-AM116 | 6.000 | 0.62 | 0.66 | 3.38 | 3.00 | 2.69 | 1.88 | 1.38 | 1.00 | 8.8 |

AM116 ATTACHMENT



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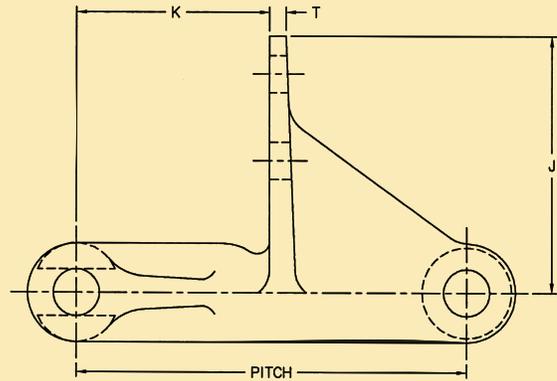
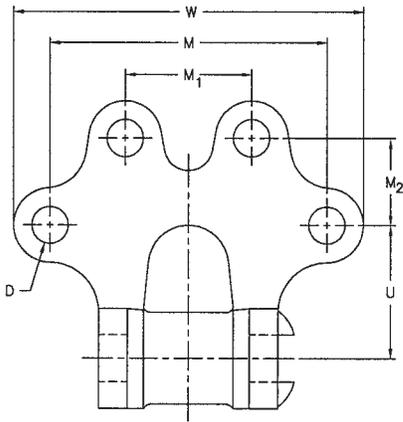
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F2 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------------|------------------------------|------------------|------------------|------|------|------|----------------|----------------|------|------|------|---------------------------------------|
| | PITCH | D | | J | K | M | M ₁ | M ₂ | T | U | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | |
| 720-F2 | 6.000 | 0.50 | 0.56 | 3.88 | 3.00 | 4.25 | 1.94 | 1.31 | 0.25 | 2.00 | 5.31 | 6.4 |
| 720-S-F2 | 6.000 | 0.38 | 0.44 | 3.88 | 3.00 | 4.25 | 1.94 | 1.31 | 0.25 | 2.00 | 5.31 | 7.7 |
| MS 720 S-F2 | 6.000 | 0.38 | 0.44 | 3.88 | 3.00 | 4.25 | 1.94 | 1.31 | 0.25 | 2.00 | 5.31 | 7.7 |
| 730-F2 | 6.000 | 0.38 | 0.44 | 3.84 | 3.00 | 4.25 | 1.94 | 1.31 | 0.38 | 2.00 | 5.31 | 7.5 |
| MS 730-F2 | 6.000 | 0.38 | 0.44 | 3.84 | 3.00 | 4.25 | 1.94 | 1.31 | 0.38 | 2.00 | 5.31 | 7.5 |

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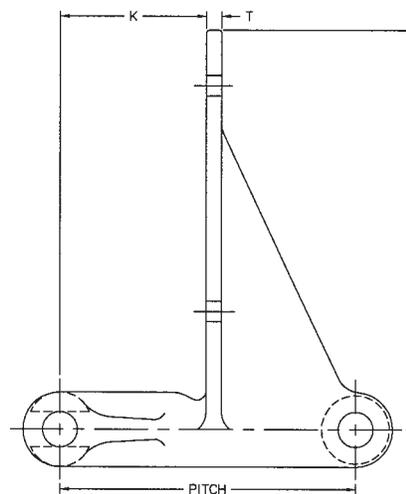
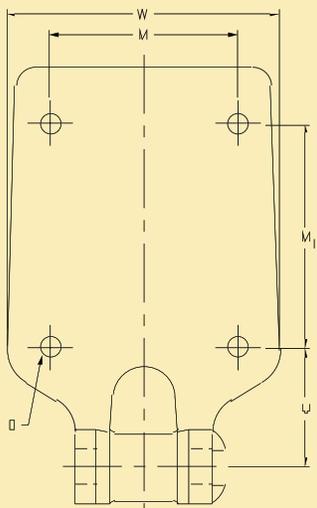
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F22 ATTACHMENT



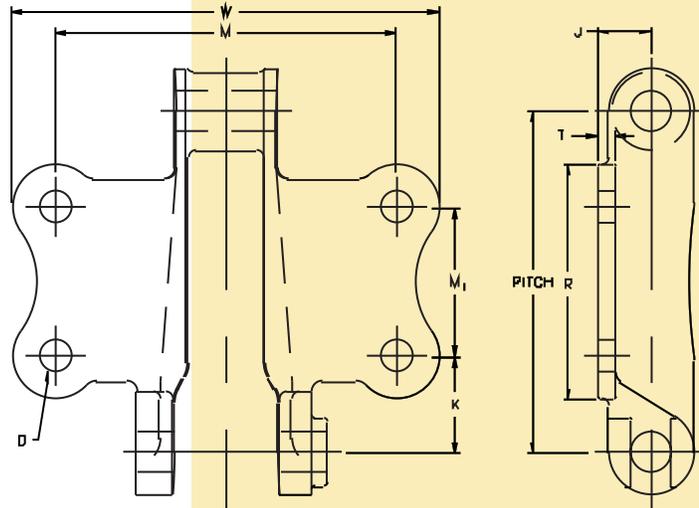
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|----------------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | M ₁ | T | U | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 720-F22-6 | 6.000 | 0.38 | 0.44 | 6.00 | 3.00 | 3.75 | 2.62 | 0.31 | 2.38 | 5.50 | 12.8 |
| 720S-F22-6 | 6.000 | 0.38 | 0.44 | 6.00 | 3.00 | 3.75 | 2.62 | 0.31 | 2.38 | 5.50 | 13.8 |
| MS 720S-F22-6 | 6.000 | 0.38 | 0.44 | 6.00 | 3.00 | 3.75 | 2.62 | 0.31 | 2.38 | 5.50 | 13.8 |
| 730-F22-6 | 6.000 | 0.38 | 0.44 | 6.00 | 3.00 | 3.75 | 2.62 | 0.31 | 2.38 | 5.50 | 13.8 |
| MS 730-F22-6 | 6.000 | 0.38 | 0.44 | 6.00 | 3.00 | 3.75 | 2.62 | 0.31 | 2.38 | 5.50 | 13.8 |

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|----------------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | M ₁ | T | U | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 720-F22-8 | 6.000 | 0.38 | 0.44 | 8.00 | 3.00 | 3.75 | 4.50 | 0.31 | 2.38 | 5.50 | 13.6 |
| 720S-F22-8 | 6.000 | 0.38 | 0.44 | 8.00 | 3.00 | 3.75 | 4.50 | 0.31 | 2.38 | 5.50 | 14.6 |
| MS 720S-F22-8 | 6.000 | 0.38 | 0.44 | 8.00 | 3.00 | 3.75 | 4.50 | 0.31 | 2.38 | 5.50 | 14.6 |
| 730-F22-8 | 6.000 | 0.38 | 0.44 | 8.00 | 3.00 | 3.75 | 4.50 | 0.31 | 2.38 | 5.50 | 14.6 |
| MS 730-F22-8 | 6.000 | 0.38 | 0.44 | 8.00 | 3.00 | 3.75 | 4.50 | 0.31 | 2.38 | 5.50 | 14.6 |



700 CLASS PINTLE CHAIN ATTACHMENTS

K2 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------------|------------------------------|------------------|------------------|------|------|------|----------------|------|------|------|---------------------------------------|
| | PITCH | D | | J | K | M | M ₁ | R | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| MS 720S-K2 | 6.000 | 0.50 | 0.56 | 0.94 | 1.69 | 6.00 | 2.62 | 4.12 | 0.31 | 7.50 | 8.5 |
| 730-K2 | 6.000 | 0.50 | 0.56 | 1.00 | 1.69 | 6.00 | 2.62 | 4.00 | 0.31 | 7.31 | 8.6 |

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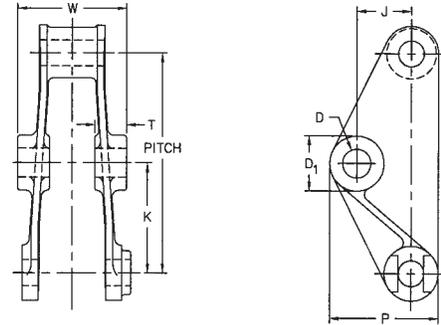
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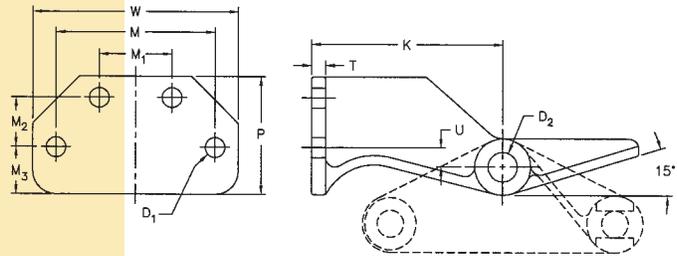


M-1 ATTACHMENT



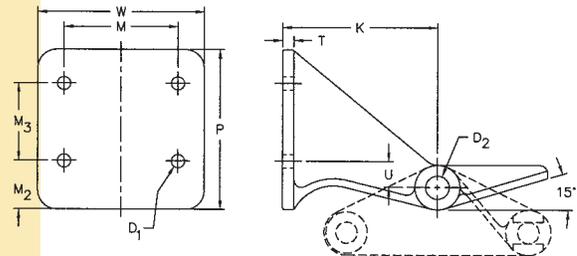
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|----------------|------|------|------|------|------|------------------------------|
| | PITCH | D | | D ₁ | J | K | P | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 720-M1 | 6.000 | 0.75 | 0.81 | 1.50 | 1.50 | 3.00 | 3.00 | 0.75 | 3.00 | 6.0 |
| 720S-M1 | 6.000 | 0.75 | 0.81 | 1.50 | 1.50 | 3.00 | 3.00 | 0.75 | 3.00 | 6.9 |
| MS 720S-M1 | 6.000 | 0.75 | 0.81 | 1.50 | 1.50 | 3.00 | 3.00 | 0.75 | 3.00 | 6.9 |
| 730-M1 | 6.000 | 0.75 | 0.81 | 1.50 | 1.62 | 3.00 | 3.25 | 0.75 | 3.00 | 7.9 |
| MS 730-M1 | 6.000 | 0.75 | 0.81 | 1.50 | 1.62 | 3.00 | 3.25 | 0.75 | 3.00 | 7.9 |

PDF2 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | AVERAGE WEIGHT EACH LBS. | |
|-----------------------|------------------------------|---------------|----------------|---------------|------|------|------|----------------|----------------|----------------|------|------|------|--------------------------|---|
| | D ₁ | | D ₂ | | | K | M | M ₁ | M ₂ | M ₃ | P | T | U | | W |
| | BOLT DIAMETER | HOLE DIAMETER | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | | | |
| PDF2 | 0.50 | 0.56 | 0.75 | 0.81 | 5.12 | 4.25 | 1.94 | 1.25 | 1.31 | 3.12 | 0.38 | 0.50 | 5.50 | 5.0 | |

PDF22 ATTACHMENT

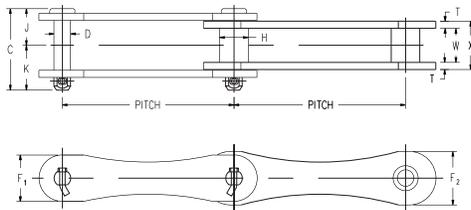


| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | AVERAGE WEIGHT EACH LBS. |
|-----------------------|------------------------------|---------------|----------------|---------------|------|------|----------------|----------------|------|------|------|------|--------------------------|
| | D ₁ | | D ₂ | | K | M | M ₂ | M ₃ | P | T | U | W | |
| | BOLT DIAMETER | HOLE DIAMETER | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | | |
| PDF22-6 | 0.38 | 0.44 | 0.75 | 0.81 | 5.12 | 3.75 | 1.62 | 2.62 | 5.38 | 0.38 | 0.88 | 5.50 | 6.0 |
| PDF22-8 | 0.38 | 0.44 | 0.75 | 0.81 | 5.12 | 3.75 | 1.62 | 4.50 | 7.38 | 0.38 | 0.88 | 5.50 | 7.8 |

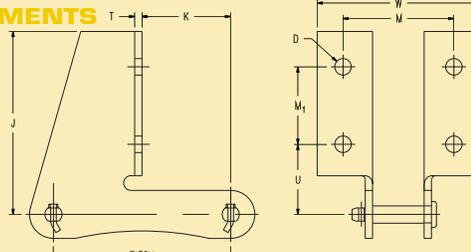


SS715 STAINLESS STEEL CHAINS MSS78 STAINLESS STEEL CHAINS NCS720S NON-METALLIC CHAINS NH78 NON-METALLIC CHAINS AND ATTACHMENTS

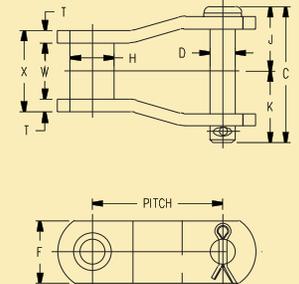
STAINLESS STEEL CHAINS AND ATTACHMENTS



SS-715



SS715-F22

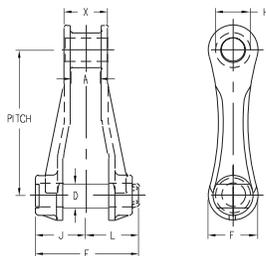


MSS78

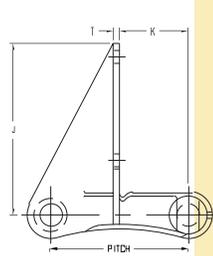
| ALI Catalog No. | Pitch in Inches | Links Per 10 Feet | Weight Per Foot in Lbs. | Average Ultimate Strength in Lbs. | Over-All Width - Detachable Cottered C | Pin Dia. D | Height of Side Bar | | | Dia. of Bushing H | Head of Pin to Center Line J | End of Pin to Center Line - Detachable Cottered K | Thickness of Side Bar T | Distance Between Side Bars W | Over-All Length of Bushing X |
|-----------------|-----------------|-------------------|-------------------------|-----------------------------------|----------------------------------------|------------|--------------------|----------------|----------------|-------------------|------------------------------|---------------------------------------------------|-------------------------|------------------------------|------------------------------|
| | | | | | | | F | F ₁ | F ₂ | | | | | | |
| SS715 | 6.00 | 20 | 3.9 | 33,000 | 2.82 | .562 | — | 1.88 | 1.62 | 1.00 | 1.32 | 1.50 | .25 | 1.19 | 1.69 |
| MSS78 | 2.609 | 46 | 4.2 | 24,000 | 2.70 | .500 | 1.25 | — | — | .88 | 1.28 | 1.42 | .25 | 1.19 | 1.62 |

| ALI Attachment No. | Pitch in Inches | D | | J | K | M | M ₁ | T | U | W | Weight Each Lbs. |
|--------------------|-----------------|---------------|---------------|------|------|------|----------------|------|------|------|------------------|
| | | Bolt Diameter | Hole Diameter | | | | | | | | |
| SS715-F226 | 6.0 | 0.38 | 0.44 | 6.21 | 3.00 | 3.75 | 2.62 | 0.31 | 2.38 | 5.50 | 4.5 |
| SS715-F228 | 6.0 | 0.38 | 0.44 | 7.88 | 3.00 | 3.75 | 4.50 | 0.31 | 2.38 | 5.50 | 5.4 |

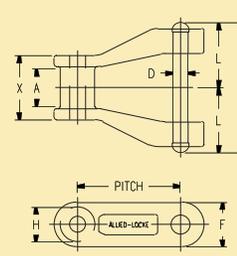
NON-METALLIC CHAINS AND ATTACHMENTS



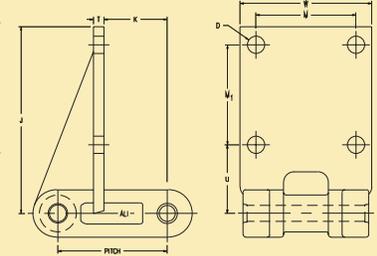
NCS720S



NCS720S-F22



NH78



NH78-F2

| ALI Catalog No. | Pitch in Inches | Links Per 10 Feet | Weight Per Foot in Lbs. | Average Ultimate Strength in Lbs. | Maximum Allowable Sprocket Face A | Over-All Width Detachable Cottered C | Pin Dia. D | Over-All Width Fixed Riveted E | Height of Side Bar F | Dia. of Barrel H | Head of Pin to Center Line J | End of Pin to Center Line Detachable Cottered K | End of Pin to Center Line Fixed Riveted L | Bearing Length X |
|-----------------|-----------------|-------------------|-------------------------|-----------------------------------|-----------------------------------|--------------------------------------|------------|--------------------------------|----------------------|------------------|------------------------------|-------------------------------------------------|-------------------------------------------|------------------|
| | | | | | | | | | | | | | | |
| NCS720S | 6.00 | 20 | 1.5 | 6,000 | 1.12 | 4.29 | .93 | — | 2.03 | 1.44 | 2.10 | 2.19 | — | 1.81 |
| NH78 | 2.609 | 46 | 1.5 | 3,100 | .94 | — | .38 | 3.19 | 1.12 | .88 | — | — | 1.59 | 1.62 |

| ALI Attachment No. | Pitch in Inches | D | | J | K | M | M ₁ | T | U | W |
|--------------------|-----------------|---------------|---------------|------|------|------|----------------|------|------|------|
| | | Bolt Diameter | Hole Diameter | | | | | | | |
| NCS720S-F226 | 6.000 | 0.50 | 0.56 | 6.14 | 3.00 | 3.75 | 2.62 | 0.25 | 2.38 | 5.50 |
| NCS720S-F228 | 6.000 | 0.50 | 0.56 | 7.50 | 3.00 | 3.75 | 4.50 | 0.25 | 2.38 | 5.50 |

| ALI Attachment No. | Pitch in Inches | D | | J | K | M | M ₁ | T | U | W |
|--------------------|-----------------|---------------|---------------|------|------|------|----------------|------|------|------|
| | | Bolt Diameter | Hole Diameter | | | | | | | |
| NH78-F2 | 2.609 | 0.38 | 0.41 | 4.44 | 1.50 | 2.38 | 2.38 | 0.25 | 1.62 | 3.12 |

900 CLASS PINTLE CHAIN



Moline 900 Class Pintle Chain, sometimes referred to as “sugar mill” or “intermediate carrier chain” is used extensively in sugar mills. Multiple strands of 900 Pintle Chain, available with one or two holes per link, can be fitted with overlapping beaded carrier slats to form a continuous apron conveyor for intermediate carrier service.

The pin holes at the closed end of the 900 Class link are provided with smooth bushings which are press-fitted into the links and keyed into place. The bushings are renewable and can be driven out and replaced when they become worn.

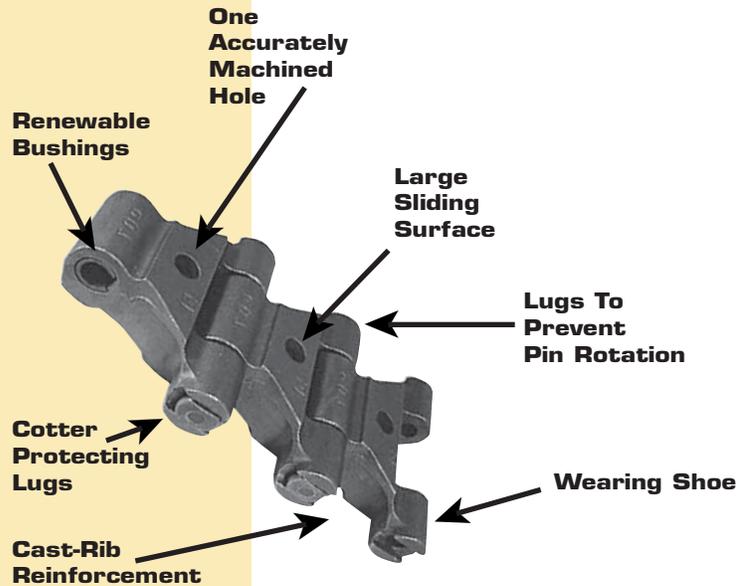
900 Class Pintle Chain is designed with dual barrels, one on each side of the open end of the links, to accommodate double sprockets. The purpose of this driving method is to eliminate the possibility of material build-up in the sprocket contact area, which often causes the chain to jump the sprocket. Heavy ribs rigidly reinforce these driving barrels.

Moline Promal links, with tensile strength of 32,500 pounds, are available with large sliding surfaces to reduce chain wear and prolong chain life. Broad wearing surfaces and heavy cross sections team up to provide a substantial link which is made according to manufacturer's standards and can perfectly replace links made by other manufacturers.

Brutaloy sprockets for Moline 900 Class Pintle Chain are readily available in 3.170 inches. 900 Class Pintle Chain should only be allowed to travel in one direction; links should always run in the direction of their closed narrow end.

Available in cotted construction only, 900 Class Chain is assembled with T-headed pins which are locked into place by two lugs cast on the ends of the driving barrels to prevent pin rotation. Pin rotation during operation would result in wear on the inside of the bushing. Both the head of the pin and the cotted end of the pin are protected by cast lugs on the barrel end of the links.

Moline 900 Class Pintle Chain is furnished with carbon steel heat treated pins and carbon steel case hardened bushings as standard. However, stainless steel pins and bushings can be provided when specified.



900 CLASS PINTLE CHAIN MATERIALS

| MOLINE CHAIN NO. | LINKS | PINS | BUSHINGS |
|------------------|---------------|-----------------------------------------------|------------------------------------------------|
| 907 | Moline Promal | Carbon Steel, Heat Treated Stainless Steel | Carbon Steel, Case Hardened Stainless Steel |

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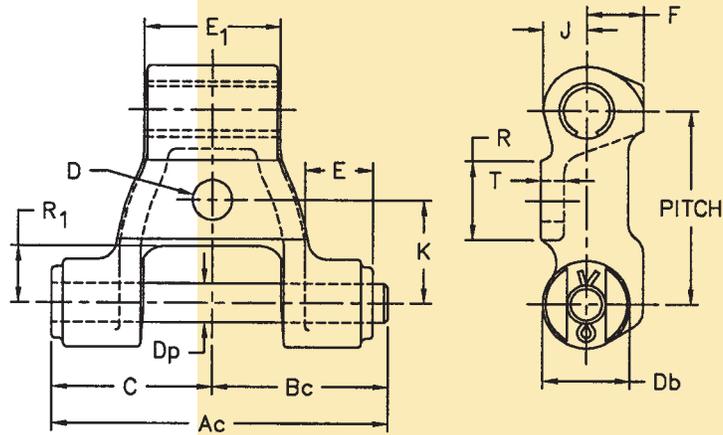
ORDERING AND APPLICATION DATA

| MOLINE CHAIN AND ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | |
|---------------------------------|------------------------------|-------------------|----------------------|----------------------------------|-----------------------------------------|-----------------------------------|
| | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH — LBS. | RECOMMENDED MAXIMUM WORKING LOAD — LBS. | CHAIN AND ATTACHMENT CONSTRUCTION |
| | | | | Moline Promal | Moline Promal | |
| 3.170" PITCH CHAIN | | | | | | |
| 907-E51* | 3.170 | 38 | 12.2 | 32,500 | 5,000 | Cotted Only |



900 CLASS PINTLE CHAIN ATTACHMENTS

E51 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------------|------------------------------|----------------|----------------|------|--------------|--------------|----------------|----------------|------|----------------|------|------|------|------|----------------|------|---------------------------------------|
| | PITCH | A _C | B _C | C | D | | D _p | D _b | E | E ₁ | F | J | K | R | R ₁ | T | |
| | | | | | BOLT DIA. | HOLE DIA. | | | | | | | | | | | |
| 907-E51 | 3.170 | 5.62 | 2.94 | 2.69 | 0.63 | 0.69 | 0.62 | 1.44 | 1.12 | 2.31 | 1.66 | 0.72 | 1.69 | 1.31 | 0.69 | 0.36 | 12.2 |

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DETACHABLE CHAIN



Detachable Chain is the first malleable iron chain to be employed extensively for industry-wide applications. It is a lightweight, low cost chain available in a full range of sizes and can be used in a wide variety of applications where light and medium loads are carried at slow or intermediate speeds in relatively clean atmospheres.

Constructed of one-piece, interconnecting links, Detachable Chain is easy to assemble and to disassemble. Individual links are inserted from one side, at the proper angle, as illustrated. When fully inserted, the link is lowered to the same plane as the rest of the chain and becomes an interlock chain segment until it is again raised to the proper angle and detached.

Where no take-up is available in a chain application, properly pitched coupler links, attached in pairs with pin and cotter, can be used to join ends into a continuous chain with a minimum of slack.

Detachable Chain operates with the closed

side of the hook riding next to the sprocket wheel. For drive applications, the direction of travel is in the direction of the hook; for conveyor and elevator applications, the direction of travel is in the direction of the end bar.

Moline Detachable is manufactured in Moline Promal. Tensile strengths of Promal links range from 880 to 21,250 pounds.

Two link styles are also available: Style "A" has a plain hook and fulfills standard service requirements; Style "B" has a ribbed hook more suitable for heavy-duty service. All Detachable links are precision made to standard chain industry specifications and are interchangeable with other manufacturers' chain links.

The pitch range of Moline's Detachable Chain, 0.902 to 4.063 inches, satisfies a wide variety of detachable applications. A complete range of attachment styles is offered. Brutaloy or cast steel sprockets are available for every detachable pitch size.

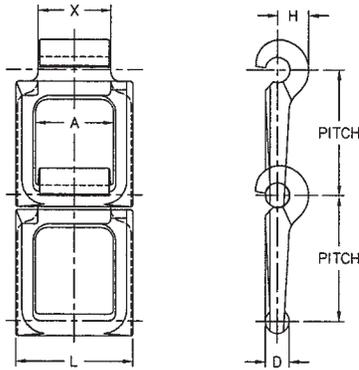
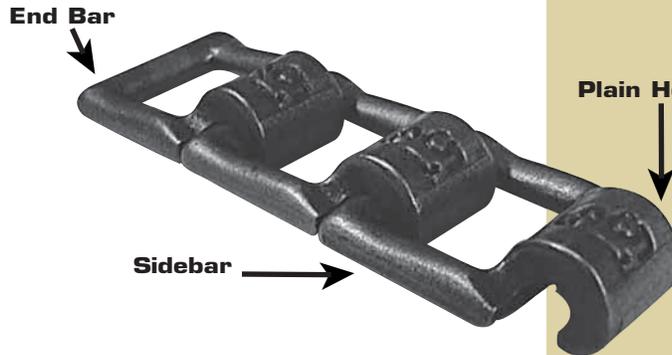
ORDERING AND APPLICATIONS DATA

| MOLINE CHAIN NO. | HOOK STYLE A OR B | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER 10 FEET LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | AVAILABLE ATTACHMENTS | AVAILABLE COUPLERS | |
|------------------|-------------------|-----------------|-------------------|-------------------------|--------------------------------|---------------------------------------|------------------------------------------------------------|--------------------|----------------------|
| | | | | | | | | PART NO. | WEIGHT PER PAIR LBS. |
| 25 | A | 0.902 | 133 | 2.4 | 880 | 150 | A1-R, A1-L | None | — |
| 32 | A | 1.154 | 104 | 3.5 | 1,380 | 230 | A1-R, A1-L, K1 | None | — |
| 42 | A | 1.375 | 88 | 5.5 | 2,000 | 330 | A1-R, A1-L, K1 | None | — |
| 45 | A | 1.630 | 74 | 5.2 | 2,130 | 360 | A1-R, A1-L, K1 | None | — |
| 51 | A | 1.155 | 104 | 7.7 | 2,380 | 400 | K1 | None | — |
| S51 | A | 1.136 | 105 | 7.6 | 2,380 | 400 | None | None | — |
| 52 | A | 1.506 | 80 | 8.0 | 2,880 | 480 | A1, D5, K1 | 52-Coupler | 0.3 |
| 55 | A | 1.631 | 74 | 7.0 | 2,880 | 480 | A1-R, A1-L, D5 9/16-R, D5 9/16-L, C1, F2, G27-R, G27-L, K1 | 55-Coupler | 0.3 |
| 57 | A | 2.308 | 52 | 9.0 | 3,630 | 600 | A1-R, A1-L, F2 | 57-Coupler | 0.5 |
| 62 | A | 1.654 | 73 | 11.1 | 4,000 | 670 | A1-R, A1-L, A12-R, A12-L, D5-R, D5-L, K1 | 62-Coupler | 0.4 |
| S62 | A | 1.654 | 73 | 16.0 | 3,880 | 650 | None | None | — |
| 67 | B | 2.308 | 52 | 11.2 | 4,250 | 710 | None | None | — |
| 75 | A | 2.609 | 46 | 11.3 | 5,130 | 860 | D5-R, D5-L | 75-Coupler | 0.7 |
| 77 | B | 2.297 | 52 | 11.4 | 4,500 | 750 | A1-R, A1-L, D5, F2, K1 | 77-Coupler | 0.7 |
| 78 | B | 2.609 | 46 | 11.9 | 6,880 | 1,150 | K1 | 78-Coupler | 1.1 |
| 88 | B | 2.609 | 46 | 22.4 | 8,000 | 1,330 | F2, K1 | 88-Coupler | 1.3 |
| 103 | B | 3.075 | 39 | 40.0 | 12,500 | 2,090 | F2, F8 | 103-Coupler | 2.7 |
| 124 | B | 4.063 | 30 | 66.6 | 21,250 | 3,540 | F8 | 124-Coupler | 5.8 |

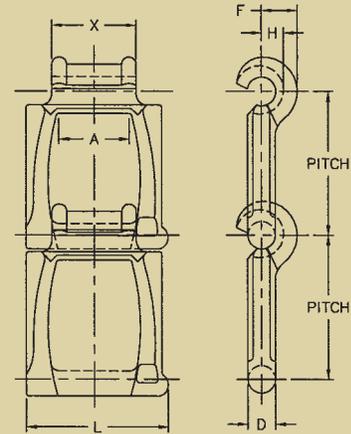
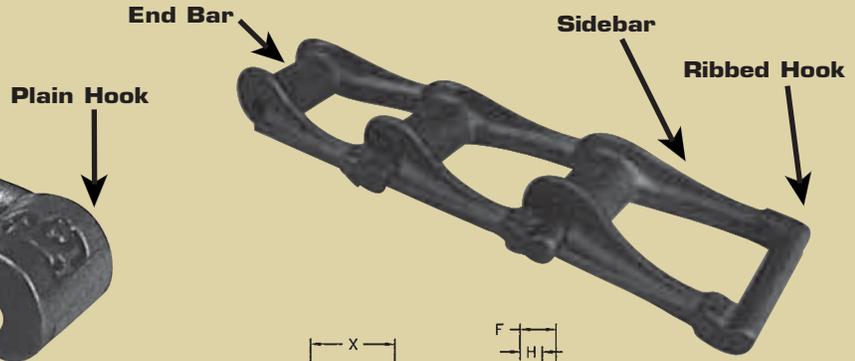


DETACHABLE CHAIN

Style "A"



Style "B"

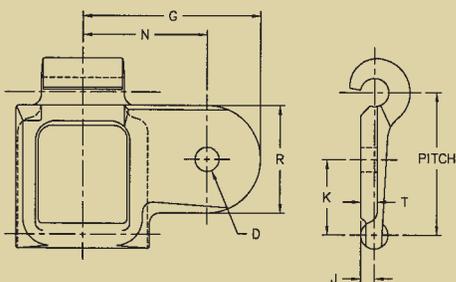


| MOLINE CHAIN | DIMENSIONS IN DECIMAL INCHES | | | | | | |
|--------------|------------------------------|-----------------------------------|-----------------------|-------------------------------------------|-----------|------------------|------------------|
| | PITCH | MAXIMUM ALLOWABLE SPROCKET FACE A | DIAMETER OF END BAR D | DEPTH OF RIB (Style B Ribbed Hook Only) F | BACKING H | OVER-ALL WIDTH L | BEARING LENGTH X |
| 25 | 0.902 | 0.38 | 0.14 | — | 0.20 | 0.78 | 0.41 |
| 32 | 1.154 | 0.50 | 0.17 | — | 0.25 | 0.97 | 0.58 |
| 42 | 1.375 | 0.62 | 0.22 | — | 0.28 | 1.28 | 0.77 |
| 45 | 1.630 | 0.69 | 0.22 | — | 0.30 | 1.31 | 0.80 |
| 51 | 1.155 | 0.56 | 0.27 | — | 0.36 | 1.25 | 0.67 |
| S51 | 1.136 | 0.56 | 0.27 | — | 0.30 | 1.06 | 0.64 |
| 52 | 1.506 | 0.62 | 0.27 | — | 0.34 | 1.53 | 0.83 |
| 55 | 1.631 | 0.69 | 0.27 | — | 0.36 | 1.41 | 0.81 |
| 57 | 2.308 | 0.75 | 0.27 | — | 0.41 | 1.81 | 1.09 |
| 62 | 1.654 | 0.81 | 0.31 | — | 0.41 | 1.66 | 0.97 |
| S62 | 1.654 | 0.81 | 0.31 | — | 0.41 | 1.53 | 0.97 |
| 67 | 2.308 | 0.69 | 0.31 | 0.53 | 0.41 | 2.03 | 1.36 |
| 75 | 2.609 | 0.94 | 0.41 | — | 0.44 | 2.09 | 1.12 |
| 77 | 2.297 | 0.69 | 0.39 | 0.61 | 0.36 | 2.22 | 1.42 |
| 78 | 2.609 | 0.94 | 0.42 | 0.66 | 0.44 | 2.62 | 1.62 |
| 88 | 2.609 | 0.94 | 0.48 | 0.78 | 0.44 | 2.75 | 1.78 |
| 103 | 3.075 | 1.12 | 0.58 | 1.00 | 0.61 | 3.28 | 2.03 |
| 124 | 4.063 | 1.25 | 0.77 | 1.31 | 0.68 | 4.06 | 2.30 |

DETACHABLE CHAIN ATTACHMENTS



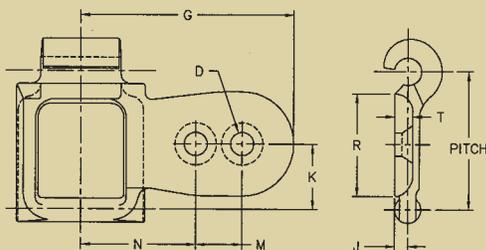
A1 ATTACHMENT



NOTE: "R" and "L" suffixes in Moline Attachment Nos. designate right hand and left hand attachments

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER 10 FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|---------------------------------|
| | PITCH | D | | G | J | K | N | R | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 25-A1-R | 0.902 | 0.19 | 0.22 | 1.22 | 0.09 | 0.44 | 0.88 | 0.72 | 0.09 | 3.9 |
| 25-A1-L | 0.902 | 0.19 | 0.22 | 1.22 | 0.09 | 0.44 | 0.88 | 0.72 | 0.09 | 3.9 |
| 32-A1-R | 1.154 | 0.19 | 0.22 | 1.22 | 0.09 | 0.62 | 0.88 | 0.72 | 0.12 | 5.0 |
| 32-A1-L | 1.154 | 0.19 | 0.22 | 1.22 | 0.09 | 0.62 | 0.88 | 0.72 | 0.12 | 5.0 |
| 42-A1-R | 1.375 | 0.25 | 0.28 | 1.56 | 0.09 | 0.66 | 1.09 | 1.03 | 0.12 | 7.0 |
| 42-A1-L | 1.375 | 0.25 | 0.28 | 1.56 | 0.09 | 0.66 | 1.09 | 1.03 | 0.12 | 7.0 |
| 45-A1-R | 1.630 | 0.25 | 0.28 | 1.66 | 0.88 | 0.81 | 1.12 | 1.12 | 0.16 | 7.5 |
| 45-A1-L | 1.630 | 0.25 | 0.28 | 1.66 | 0.88 | 0.81 | 1.12 | 1.12 | 0.16 | 7.5 |
| 52-A1-R | 1.506 | 0.25 | 0.28 | 1.62 | 0.12 | 0.78 | 1.19 | 1.06 | 0.12 | 11.0 |
| 52-A1-L | 1.506 | 0.25 | 0.28 | 1.62 | 0.12 | 0.78 | 1.19 | 1.06 | 0.12 | 11.0 |
| 55-A1-R | 1.631 | 0.25 | 0.28 | 1.69 | 0.12 | 0.88 | 1.12 | 1.16 | 0.16 | 9.0 |
| 55-A1-L | 1.631 | 0.25 | 0.28 | 1.69 | 0.12 | 0.88 | 1.12 | 1.16 | 0.16 | 9.0 |
| 57-A1-R | 2.308 | 0.25 | 0.28 | 2.38 | 0.19 | 1.12 | 1.50 | 1.72 | 0.19 | 13.0 |
| 57-A1-L | 2.308 | 0.25 | 0.28 | 2.38 | 0.19 | 1.12 | 1.50 | 1.72 | 0.19 | 13.0 |
| 62-A1-R | 1.654 | 0.25 | 0.28 | 2.03 | 0.16 | 0.84 | 1.44 | 1.25 | 0.19 | 15.0 |
| 62-A1-L | 1.654 | 0.25 | 0.28 | 2.03 | 0.16 | 0.84 | 1.44 | 1.25 | 0.19 | 15.0 |
| 77-A1-R | 2.297 | 0.25 | 0.28 | 2.44 | 0.19 | 1.25 | 1.56 | 1.59 | 0.22 | 18.0 |
| 77-A1-L | 2.297 | 0.25 | 0.28 | 2.44 | 0.19 | 1.25 | 1.56 | 1.59 | 0.22 | 18.0 |

A12 ATTACHMENT



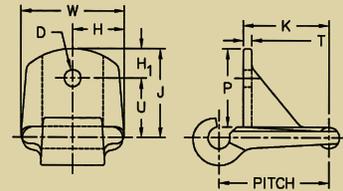
NOTE: "R" and "L" suffixes in Moline Attachment Nos. designate right hand and left hand attachments

| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER 10 FOOT LBS. | |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|---------------------------------|------|
| | PITCH | D | | G | J | K | M | N | R | | T |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 62-A12-R | 1.654 | 0.25 | 0.28 | 2.56 | 0.16 | 0.84 | 0.56 | 1.38 | 1.25 | 0.22 | 18.0 |
| 62-A12-L | 1.654 | 0.25 | 0.28 | 2.56 | 0.16 | 0.84 | 0.56 | 1.38 | 1.25 | 0.22 | 18.0 |



DETACHABLE CHAIN ATTACHMENTS

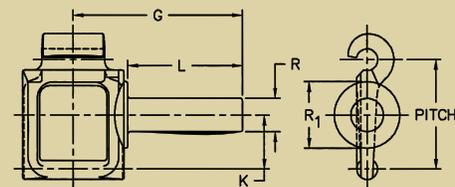
C1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER 10 FOOT-LBS. |
|-----------------------|------------------------------|---------------|---------------|------|----------------|------|------|------|------|------|---------------------------------|
| | PITCH | D | | H | H ₁ | J | K | P | U | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 55-C1 | 1.631 | 0.25 | 0.28 | 0.59 | 0.50 | 1.12 | 1.34 | 0.94 | 0.69 | 1.19 | 12.2 |

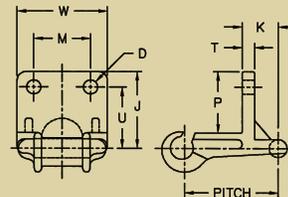
NOTE: "R" and "L" suffixes in Moline Attachment Nos. designate right hand and left hand attachments

D5 ATTACHMENT



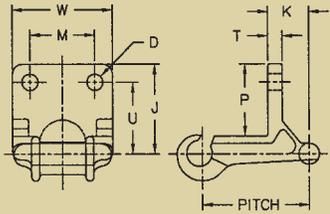
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | AVERAGE WEIGHT PER 10 FOOT-LBS. |
|-----------------------|------------------------------|------|------|------|------|----------------|---------------------------------|
| | PITCH | G | K | L | R | R ₁ | |
| 52-D5-R | 1.506 | 2.47 | 0.75 | 1.62 | 0.56 | 0.94 | 21.0 |
| 52-D5-L | 1.506 | 2.47 | 0.75 | 1.62 | 0.56 | 0.94 | 21.0 |
| 55-D5-R | 1.631 | 2.19 | 0.81 | 1.31 | 0.44 | 0.94 | 14.0 |
| 55-D5-L | 1.631 | 2.19 | 0.81 | 1.31 | 0.44 | 0.94 | 14.0 |
| 62-D5-R | 1.654 | 2.62 | 0.81 | 1.75 | 0.50 | 1.00 | 20.0 |
| 62-D5-L | 1.654 | 2.62 | 0.81 | 1.75 | 0.50 | 1.00 | 20.0 |
| 75-D5-R | 2.609 | 2.69 | 1.19 | 1.44 | 0.88 | 1.75 | 25.0 |
| 75-D5-L | 2.609 | 2.69 | 1.19 | 1.44 | 0.88 | 1.75 | 25.0 |
| 77-D5 | 2.297 | 2.69 | 1.12 | 1.50 | 0.50 | 1.19 | 22.0 |

F2 ATTACHMENT



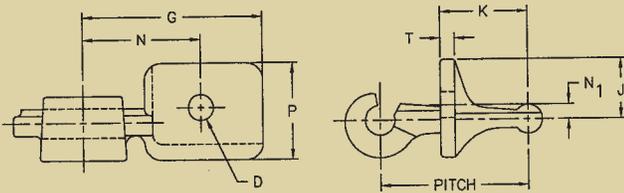
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER 10 FOOT-LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------|---------------------------------|
| | PITCH | D | | J | K | M | P | T | U | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 55-F2 | 1.631 | 0.19 | 0.22 | 1.31 | 0.69 | 1.06 | 1.03 | 0.16 | 0.91 | 1.56 | 13.0 |
| 77-F2 | 2.297 | 0.31 | 0.34 | 1.94 | 1.19 | 1.75 | 1.50 | 0.25 | 1.38 | 2.53 | 31.0 |
| 88-F2 | 2.609 | 0.31 | 0.34 | 2.00 | 1.25 | 2.00 | 1.50 | 0.25 | 1.38 | 2.72 | 42.0 |
| 103-F2 | 3.075 | 0.38 | 0.41 | 2.47 | 1.31 | 2.12 | 1.91 | 0.28 | 1.81 | 3.00 | 63.0 |

DETACHABLE CHAIN ATTACHMENTS



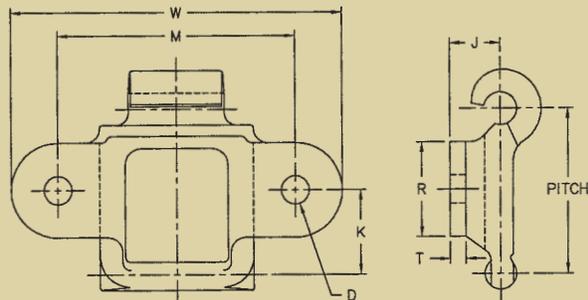
| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER 10 FOOT-LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------|---------------------------------|
| | PITCH | D | | J | K | M | P | T | U | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 103-F8 | 3.075 | 0.38 | 0.41 | 2.62 | 2.34 | 2.12 | 2.06 | 0.44 | 2.00 | 3.00 | 68.3 |
| 124-F8 | 4.063 | 0.50 | 0.56 | 2.88 | 2.44 | 2.50 | 2.22 | 0.53 | 2.09 | 3.94 | 116.4 |

G27 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | | AVERAGE WEIGHT PER 10 FOOT-LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|----------------|------|------|---------------------------------|
| | PITCH | D | | G | J | K | N | N ₁ | P | T | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | | |
| 55-G27-R | 1.631 | 0.25 | 0.28 | 2.00 | 0.94 | 1.00 | 1.31 | 0.38 | 1.06 | 0.16 | 12.0 |
| 55-G27-L | 1.631 | 0.25 | 0.28 | 2.00 | 0.94 | 1.00 | 1.31 | 0.38 | 1.06 | 0.16 | 12.0 |

K1 ATTACHMENT



| MOLINE ATTACHMENT NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | | | AVERAGE WEIGHT PER FOOT LBS. |
|-----------------------|------------------------------|---------------|---------------|------|------|------|------|------|------|------------------------------|
| | PITCH | D | | J | K | M | R | T | W | |
| | | BOLT DIAMETER | HOLE DIAMETER | | | | | | | |
| 32-K1 | 1.154 | 0.19 | 0.22 | 0.38 | 0.59 | 1.75 | 0.59 | 0.09 | 2.31 | 7.9 |
| 42-K1 | 1.375 | 0.19 | 0.22 | 0.38 | 0.69 | 2.00 | 0.75 | 0.12 | 2.69 | 12.2 |
| 45-K1 | 1.630 | 0.19 | 0.22 | 0.41 | 0.78 | 2.00 | 0.84 | 0.12 | 2.69 | 8.9 |
| 51-K1 | 1.155 | 0.19 | 0.22 | 0.44 | 0.62 | 1.75 | 0.62 | 0.12 | 2.06 | 11.4 |
| 52-K1 | 1.506 | 0.19 | 0.22 | 0.44 | 0.72 | 2.38 | 0.88 | 0.12 | 2.81 | 13.0 |
| 55-K1 | 1.631 | 0.19 | 0.22 | 0.41 | 0.78 | 2.00 | 0.88 | 0.12 | 2.62 | 11.0 |
| 62-K1 | 1.654 | 0.25 | 0.28 | 0.47 | 0.84 | 2.38 | 0.94 | 0.16 | 3.31 | 19.0 |
| 77-K1 | 2.297 | 0.25 | 0.28 | 0.66 | 1.12 | 3.00 | 1.28 | 0.16 | 3.88 | 31.0 |
| 78-K1 | 2.609 | 0.25 | 0.28 | 0.62 | 1.25 | 3.38 | 1.38 | 0.16 | 3.84 | 25.0 |
| 88-K1 | 2.609 | 0.31 | 0.34 | 0.75 | 1.25 | 3.81 | 1.38 | 0.19 | 4.25 | 33.0 |

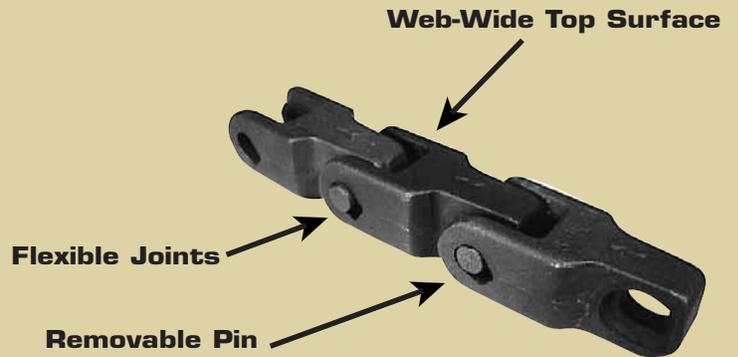
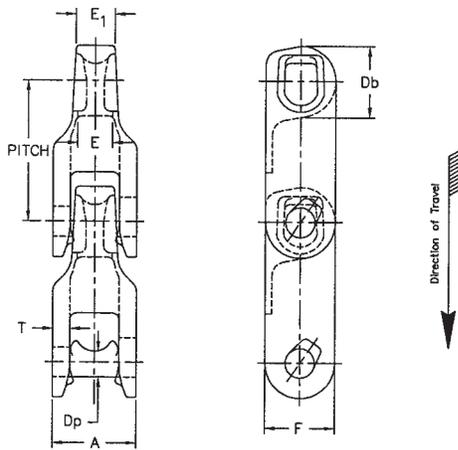
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MC 33 DOUBLE FLEX CHAIN

Moline's MC-33 Chain is a detachable-type chain with a rugged, double flex design for both horizontal turning and conventional articulation. It retains its pulling power around the curves with center line radii as small as 18 inches. Its wide-web top design provides more than ample carrying surface. Available in Moline File-Hard Promal, MC-33 Chain is interchangeable with similar 2.500 inch chain of other manufacturers.

MC-33 Chain's flexibility provides a wide variety of applications in dairy, bottling, and related industries. It operates in the direction of its links' open ends on Brutaloy sprockets.



MC-33 DOUBLE FLEX CHAIN MATERIALS

| MOLINE CHAIN NO. | LINKS | PINS |
|------------------|-------------------------|-------------------------|
| MC-33 | Moline File-Hard Promal | Moline File-Hard Promal |

ORDERING AND APPLICATION DATA

| MOLINE CHAIN NO. | PITCH IN INCHES | LINKS PER 10 FEET | WEIGHT PER FOOT LBS. | AVERAGE ULTIMATE STRENGTH LBS. | RECOMMENDED MAXIMUM WORKING LOAD LBS. | CHAIN CONSTRUCTION |
|------------------|-----------------|-------------------|----------------------|--------------------------------|---------------------------------------|--------------------|
| MC-33 | 2.500 | 48 | 3.3 | 12,000 | 900 | Special Pin |

| MOLINE CHAIN NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | | |
|------------------|------------------------------|------------------|--------------------------|-----------------------|-----------------------------------|----------------------|---------------------|------------------------|
| | PITCH | OVER-ALL WIDTH A | DIAMETER OF BARREL D_b | DIAMETER OF PIN D_p | MAXIMUM ALLOWABLE SPROCKET FACE E | BEARING LENGTH E_1 | HEIGHT OF SIDEBAR F | THICKNESS OF SIDEBAR T |
| MC-33 | 2.500 | 1.56 | 1.25 | 0.50 | 0.38 | 0.69 | 1.25 | 0.31 |

Allied-Locke Industries Inc.

... chain - sprockets - buckets

Toll Free:

Phone: 800-435-7752

Fax: 800-462-3130

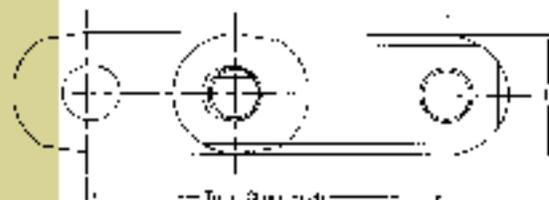
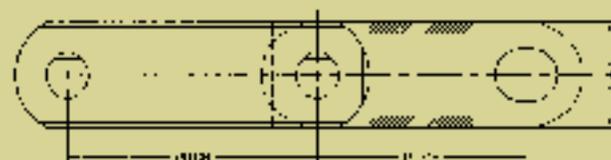
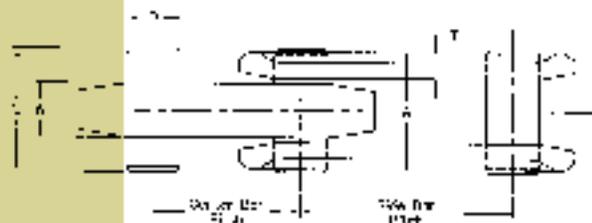
Local:

Phone: 815-288-1471

Fax: 815-288-7945

www.alliedlocke.com

DOUBLE FLEX CHAIN



| CHAIN NUMBER | PITCH | CHAIN WIDTH | | LINK PLATE | | PIN | | MINIMUM FLEX RADIUS | AVERAGE TENSILE STGTH.(LBS.) | MAXIMUM ALLOWABLE WORK LOAD* (LBS.) | APPROX. WEIGHT (LBS./FT.) |
|--------------|----------------|-------------|-------------|------------|------|-----|------|---------------------|------------------------------|-------------------------------------|---------------------------|
| | | OVERALL | INSIDE LINK | T | H | D | L | | | | |
| | | A | W | T | H | D | L | | | | |
| DF-3498 | 1.750 2.500 | 1.45 | .04 | .31 | 1.40 | .63 | 1.45 | 18.00 | 38,000 | 4,000 | 3.9 |
| DF-3500 | 2.500 3.000 | 1.90 | .63 | .25 | 1.25 | .57 | 1.46 | 20.00 | 33,000 | 4,000 | 3.3 |
| DF-3910 | 3.000 3.000 | 1.90 | .63 | .25 | 1.25 | .57 | 1.46 | 22.00 | 33,000 | 4,000 | 3.3 |



DF3498

DF3500



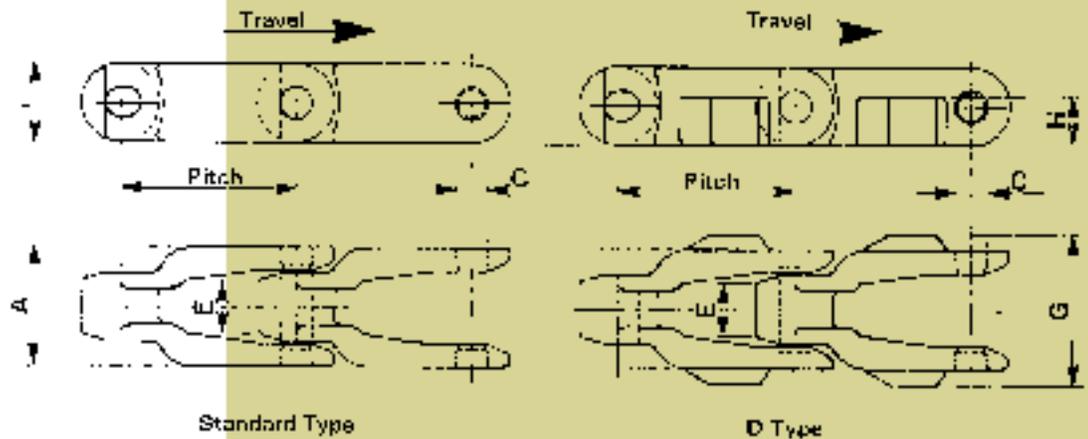
DF3910

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... the company that delivers
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NON-METALLIC CASE CHAIN

NON-METALLIC [ACETAL] CASE CHAIN



Standard Type

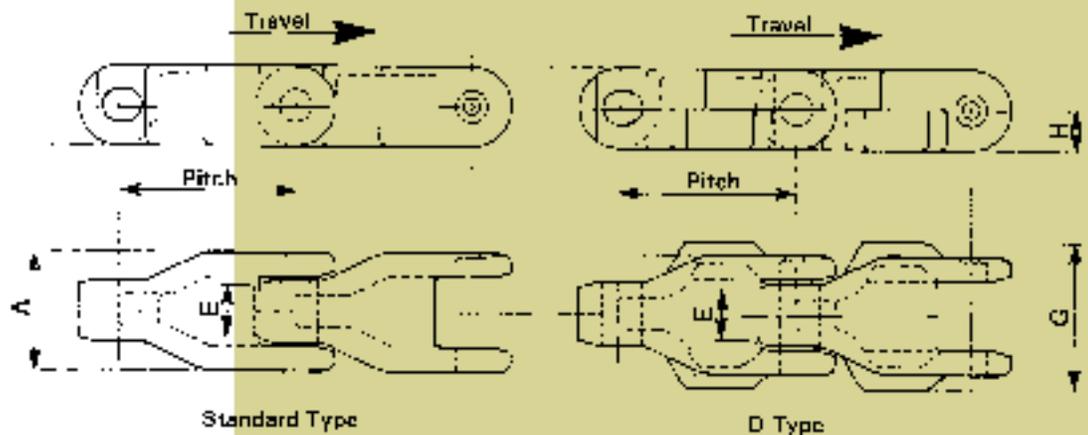
D Type

| Chain No. | Approx. pitch | | Width A | | Diameter of pin C | | Maximum Sprocket Face E | | Depth of Sidelzer F | | Overall width G | | Height of D Lug H | |
|-----------|---------------|------|---------|------|-------------------|------|-------------------------|------|---------------------|------|-----------------|------|-------------------|------|
| | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. |
| PS1000 | 2.02 | 64 | 1 1/16 | 43 | 7/16 | 11 | 3/8 | 10 | 1 1/8 | 29 | — | — | — | — |
| PS1000D | 2.02 | 64 | 1 1/16 | 43 | 7/16 | 11 | 3/8 | 10 | 1 1/8 | 29 | 2 1/8 | 54 | 1 1/16 | 18 |
| PS1400 | 3.25 | 83 | 2 | 51 | 7/16 | 11 | 3/4 | 19 | 1 1/2 | 38 | — | — | — | — |
| PS1400D | 3.25 | 83 | 2 | 51 | 7/16 | 11 | 3/4 | 19 | 1 1/2 | 38 | 2 5/8 | 67 | 3/4 | 19 |

PS1000 & PS1000D Sprockets
PS1400 & PS1400D Sprockets

for short tooth form—see 600 P & 600 PD Sprockets, for long tooth form—see Malleable CC0000D Sprockets
 long tooth form only—see Malleable CC1300 & CC1300D Sprockets

NON-METALLIC [ACETAL] FLAT TOP CASE CHAIN

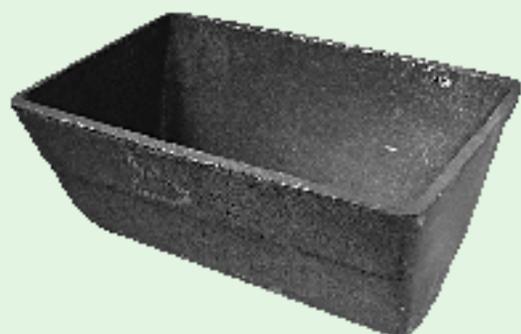


Standard Type

D Type

| Chain No. | Approx. pitch | | Width A | | Diameter of pin C | | Maximum Sprocket Face E | | Depth of Sidelzer F | | Overall width G | | Height of D Lug H | |
|-----------|---------------|------|---------|------|-------------------|------|-------------------------|------|---------------------|------|-----------------|------|-------------------|------|
| | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. | in. | m.m. |
| 600P | 2.02 | 64 | 1 1/16 | 43 | 7/16 | 11 | 3/8 | 10 | 1 1/8 | 29 | — | — | — | — |
| 600PD | 2.02 | 64 | 1 1/16 | 43 | 7/16 | 11 | 3/8 | 10 | 1 1/8 | 29 | 2 1/8 | 54 | 3/16 | 14 |

ELEVATOR BUCKETS



Moline's Elevator Buckets are offered in Styles "MD" Mill Duty and "AC" Extra Capacity. The "MD" Mill Duty Bucket replaces former Styles "AA" and "AARE." Complete information is given for the selection of buckets for chain and belt conveyors. Bucket features and dimensions are clearly presented in the illustrations for each bucket style. Simplified selection tables for each bucket style include bucket catalog numbers, bucket projections, punching dimensions in accordance with chain classes, and the respective attachment type which each bucket will accommodate.

MOLINE STYLE "MD" ELEVATOR BUCKETS

Moline's Style "MD" Elevator Buckets are the most popular buckets for general purpose elevators. They cover a wide range of sizes from 4 to 20 inches in length and are used for fine and medium size materials, such as coal, cement, pulp, grain, and ear corn. They are also widely used for heavy abrasive materials such as sand, gravel, and stone. Reinforced front lips give buckets a long-wearing digging edge. Bucket walls have uniform thickness and strong corner reinforcements. Consult our specification tables for complete information.

Available in Moline Malleable and Moline PremaL

MOLINE STYLE "AC" ELEVATOR BUCKETS

Moline Style "AC" Elevator Buckets are extra capacity buckets which provide fast, complete discharge of cement, lime, and other dry materials. Vent holes in the bottom of each bucket release trapped air on filling and allow material to empty from bucket quickly and completely. The lips are reinforced and the backs are hooded. These features permit closer bucket spacing and provide 30% greater carrying capacity than other bucket styles of the same length. Buckets have extra thickness of metal at wear points. Consult our specification tables for complete information.

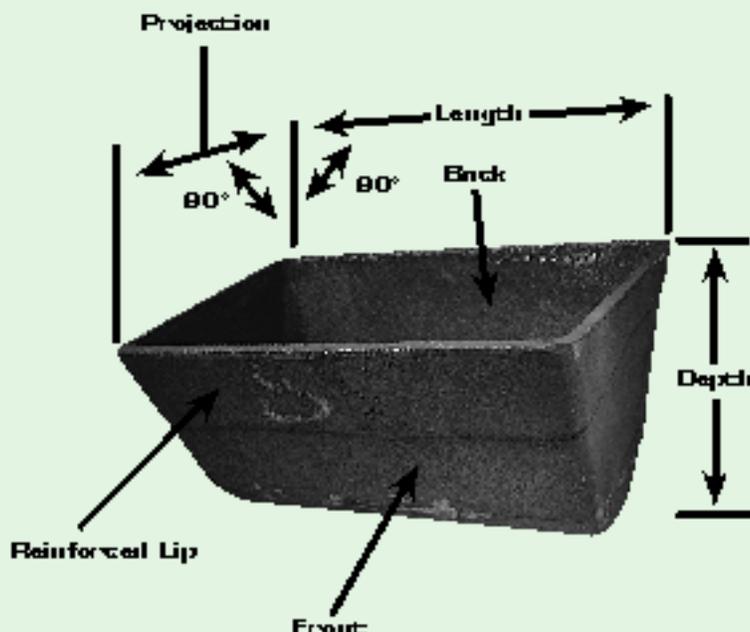
Available in Moline Malleable and Moline PremaL



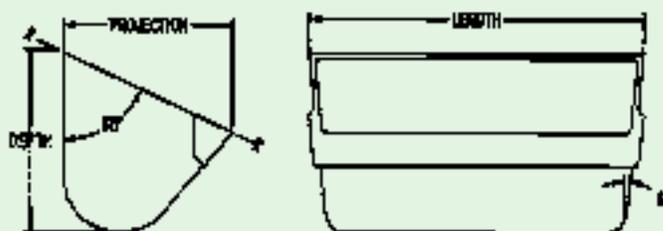
STYLE "MD" ELEVATOR BUCKETS for general purpose elevators

Rugged construction Moline Style "MD" Buckets are most popular for general purpose elevators. Covering a wide range of sizes from 4 to 20 inches long, they are used for fine and medium size materials such as coal, cement, pulp, grain, ear corn, etc. They are widely used for heavy abrasive materials such as sand, gravel, and stone. Reinforced front lips give Moline Style "MD" Buckets a long wearing digging edge. Uniform wall thickness and strong corner reinforcement make them stronger than steel buckets of the same gauge. They are smoothly surfaced and have ends sloped inward at 6 degree angles to insure proper filling and clean discharge. Available in Moline Malleable and Moline Promal.

Chain for which buckets are available include: Steel Bushed Roller, Steel Bushed, Combination, "H" Class Mill, 400 Class Pintle, and 700 Class Pintle. "MD" Buckets are used with G1, G6, K1, or K2 style attachments when they are available in the chain type.



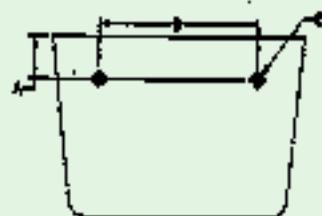
Capacities are for buckets filled to the line XX (see diagram). The practical operating capacity will vary with the loading conditions, angle of repose of the material being handled, and the inclination of the elevator.



ORDERING AND APPLICATION DATA

| MOLINE BUCKET NO. | DIMENSIONS IN DECIMAL INCHES | | | CAPACITY IN CUBIC FEET | MAXIMUM LUMP SIZE (Diameter) WHEN % OF LUMP IS: | | | WEIGHT LBS. |
|-------------------|------------------------------|------------|-------|------------------------|-------------------------------------------------|-----------|------------|-------------|
| | LENGTH | PROJECTION | DEPTH | | UNDER 10% | 10 TO 75% | 75% & OVER | |
| 4x3-MD | 4 | 2.75 | 3 | .01 | 1.75 | 1 | 1.5 | 1.5 |
| 6x4-MD | 6 | 4 | 4.25 | .03 | 2.5 | 2 | 2 | 4.0 |
| 8x5-MD | 8 | 5 | 5.5 | .07 | 3 | 2.5 | 1.25 | 7.2 |
| 10x6-MD | 10 | 6 | 6.25 | .12 | 3.5 | 3 | 1.5 | 9.3 |
| 12x6-MD | 12 | 6 | 6.25 | .14 | 3.5 | 3 | 1.5 | 11.0 |
| 12x7-MD | 12 | 7 | 7.25 | .19 | 4 | 3.5 | 1.75 | 13.6 |
| 14x7-MD | 14 | 7 | 7.25 | .23 | 4 | 3.5 | 1.75 | 15.0 |
| 14x8-MD | 14 | 8 | 8.25 | .30 | 4.5 | 4 | 2 | 22.9 |
| 16x7-MD | 16 | 7 | 7.25 | .27 | 4 | 3.5 | 1.75 | 20.3 |
| 16x8-MD | 16 | 8 | 8.5 | .34 | 4.5 | 4 | 2 | 24.0 |
| 18x8-MD | 18 | 8 | 8.5 | .39 | 4.5 | 4 | 2 | 29.8 |
| 18x10-MD | 18 | 10 | 10.5 | .61 | 5 | 4.5 | 2.25 | 43.5 |

STYLE "MD" ELEVATOR BUCKETS for general purpose elevators



"MD" STYLE BUCKETS FOR K1 ATTACHMENTS

*K1 Attachment:
SS Class
Bushed Steel Chain

*K1 Attachment:
MSR Class
Bushed Roller
Steel Chain

*K1 Attachment:
Combination Chain

*[center hole only]

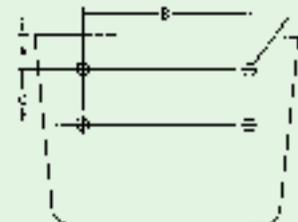
| MOLINE BUCKETS FOR THESE K1 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | | | | | BUCKET PUNCHING DIMENSIONS IN INCHES | | |
|-------------------------------------------------------------------|----------------------------------------------------------------------|----------------|----------------|------------------|------------------|------------------|-----------------------------------------|------|--------------------|
| | 43-MD (4X3) | 64-MD (6X4) | 85-MD (8X5) | 106-MD (10X6) | 126-MD (12X6) | 127-MD (12X7) | A | B | D BOLT DIAM. |
| "MD" STYLE BUCKETS FOR MSR CLASS BUSHED ROLLER STEEL CHAIN | | | | | | | | | |
| MSR 3013-K1 | | X | X | X | | | 1.00 | 2.94 | 0.31 |
| MSR 4013-K1 | | X | X | X | | | 1.00 | 2.75 | 0.38 |
| "MD" STYLE BUCKETS FOR SS CLASS BUSHED STEEL CHAIN | | | | | | | | | |
| SS 188-K1 | | X | X | X | X | | 1.00 | 3.75 | 0.38 |
| "MD" STYLE BUCKETS FOR COMBINATION CHAIN | | | | | | | | | |
| C 95-K1 | X | X | | | | | 0.90 | 2.00 | 0.25 |
| C 77-K1 | | X | X | X | | | 1.00 | 3.00 | 0.38 |
| C 188-K1 | | X | X | X | X | | 1.00 | 3.75 | 0.38 |
| "MD" STYLE BUCKETS FOR "H" CLASS MILL CHAIN | | | | | | | | | |
| H 60-K1 | | X | X | X | | | 0.75 | 3.00 | 0.31 |
| H 78-K1 | | X | X | X | X | | 1.00 | 4.00 | 0.38 |
| "MD" STYLE BUCKETS FOR 400 CLASS FINTLE CHAIN | | | | | | | | | |
| 445-K1 | X | X | | | | | 0.62 | 2.06 | 0.19 |
| 462-K1 | X | X | | | | | 0.75 | 2.06 | 0.19 |
| 495-K1 | X | X | | | | | 0.75 | 2.06 | 0.19 |
| 402-K1 | | X | X | | | | 0.75 | 2.38 | 0.25 |
| 477-K1 | | X | X | X | | | 1.00 | 3.00 | 0.25 |
| 488-K1 | | X | X | X | X | | 1.00 | 3.81 | 0.25 |
| "MD" STYLE BUCKETS FOR DETACHABLE CHAIN | | | | | | | | | |
| 55-K1 | X | X | | | | | 0.90 | 2.00 | 0.19 |
| 57-K1 | | X | X | X | | | 0.90 | 3.00 | 0.25 |
| 77-K1 | | X | X | X | | | 1.00 | 3.00 | 0.25 |
| 78-K1 | | X | X | X | X | | 0.75 | 3.38 | 0.25 |
| 88-K1 | | X | X | X | X | | 0.75 | 3.81 | 0.31 |



STYLE "MD" ELEVATOR BUCKETS for general purpose elevators

'MD' STYLE BUCKETS FOR K2 ATTACHMENTS

**K2 Attachment
Combination Chain
(outer holes only)**



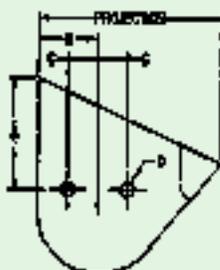
| MACHINE BUCKETS FOR THESE K2 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in inches) | | | | | | | | | | | BUCKET PUNCHING DIMENSIONS IN INCHES | | | | |
|-------------------------------------------------------------------|----------------------------------------------------------------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|-----------------------------------------|------|------|--------------------|---------------|
| | 64-MD (6X4) | 85-MD (8X5) | 108-MD (10X8) | 128-MD (12X8) | 127-MD (12X7) | 147-MD (14X7) | 148-MD (14X8) | 167-MD (16X7) | 168-MD (16X8) | 188-MD (18X8) | 1810-MD (18X10) | A | B | C | D BOLT DIAM. | HOLE DIAM. |
| "MD" STYLE BUCKETS FOR MSR CLASS BUSHED ROLLER STEEL CHAIN | | | | | | | | | | | | | | | | |
| MSR 90-K2 | | | X | X | X | X | X | | | | | 1.38 | 4.38 | 3.00 | 0.60 | 0.66 |
| MSR 1110-K2 | X | X | X | X | X | | | | | | | 0.62 | 4.00 | 2.00 | 0.38 | 0.44 |
| MSR 6018-K2 | X | X | X | X | | | | | | | | 0.62 | 4.00 | 2.00 | 0.38 | 0.44 |
| "MD" STYLE BUCKETS FOR SS CLASS BUSHED STEEL CHAIN | | | | | | | | | | | | | | | | |
| SS 102B-K2 | | X | X | X | X | X | X | X | | | | 0.75 | 5.31 | 1.75 | 0.38 | 0.44 |
| SS 110-K2 | | X | X | X | X | X | X | X | X | | | 0.88 | 5.31 | 1.75 | 0.38 | 0.44 |
| SS 111-K2 | | | X | X | X | X | X | X | X | X | | 0.75 | 6.25 | 2.31 | 0.60 | 0.66 |
| SS 131-K2 | | X | X | X | | | | | | | | 1.00 | 4.12 | 1.90 | 0.60 | 0.66 |
| SS 160-K2 | | | X | X | X | X | X | X | X | X | X | 1.00 | 7.90 | 2.75 | 0.60 | 0.66 |
| SS 188-K2 | | X | X | X | X | X | X | X | X | X | | 0.75 | 4.19 | 1.25 | 0.31 | 0.38 |
| SS 896-K2 | | | X | X | X | X | X | X | X | X | X | 1.00 | 6.31 | 2.25 | 0.60 | 0.66 |
| "MD" STYLE BUCKETS FOR COMBINATION CHAIN | | | | | | | | | | | | | | | | |
| C 102B-K2 | | X | X | X | X | X | X | X | | | | 0.75 | 5.31 | 1.75 | 0.38 | 0.44 |
| C 102 1/2-K2 | | X | X | X | X | X | X | X | | | | 0.75 | 5.31 | 1.75 | 0.38 | 0.44 |
| C 110-K2 | | X | X | X | X | X | X | X | X | | | 0.88 | 5.31 | 1.75 | 0.38 | 0.44 |
| C 111-K2 | | | X | X | X | X | X | X | X | X | | 0.75 | 6.25 | 2.31 | 0.60* | 0.66 |
| C 111C-K2 | | | X | X | X | X | X | X | X | X | | 0.75 | 6.25 | 2.31 | 0.60* | 0.66 |
| C 131-K2 | | | X | X | X | | | | | | | 1.00 | 4.12 | 1.90 | 0.60 | 0.66 |
| C 132-K2 | | | X | X | X | X | X | X | X | X | X | 1.00 | 7.90 | 2.75 | 0.60 | 0.66 |
| C 188-K2 | | X | X | X | X | X | X | X | X | X | | 0.75 | 4.19 | 1.25 | 0.31 | 0.38 |
| "MD" STYLE BUCKETS FOR "H" CLASS MILL CHAIN | | | | | | | | | | | | | | | | |
| H78-K2 | X | X | X | X | | | | | | | | 0.62 | 4.00 | 1.12 | 0.38 | 0.44 |
| H82-K2 | | X | X | X | X | X | | | | | | 0.75 | 4.25 | 1.31 | 0.38 | 0.44 |
| H 124-K2 | | X | X | X | X | X | X | X | | | | 0.88 | 5.25 | 1.94 | 0.38 | 0.44 |
| "MD" STYLE BUCKETS FOR 400 CLASS FINTLE | | | | | | | | | | | | | | | | |
| 477-K2 | X | X | X | | | | | | | | | 0.75 | 3.00 | 0.81 | 0.25 | 0.31 |
| 488-K2 | X | X | X | X | | | | | | | | 0.75 | 3.02 | 1.25 | 0.31 | 0.38 |
| 4103-K2 | | X | X | X | | | | | | | | 1.00 | 4.12 | 1.90 | 0.60 | 0.66 |
| "MD" STYLE BUCKETS FOR 700 CLASS FINTLE CHAIN | | | | | | | | | | | | | | | | |
| 720-K2 | | | X | X | X | X | X | X | X | X | X | 1.00 | 6.00 | 2.02 | 0.60 | 0.66 |
| 730-K2 | | | X | X | X | X | X | X | X | X | X | 1.00 | 6.00 | 2.02 | 0.60 | 0.66 |
| "MD" STYLE BUCKETS FOR DETACHABLE CHAIN | | | | | | | | | | | | | | | | |
| 95-K2 | | X | X | X | X | X | X | X | X | | | 0.75 | 5.19 | 1.75 | 0.38 | 0.44 |
| 103-K2 | | X | X | X | | | | | | | | 0.75 | 4.12 | 1.90 | 0.60 | 0.66 |
| 108-K2 | | | X | X | X | X | X | X | X | X | | 0.75 | 6.25 | 2.31 | 0.38 | 0.44 |
| 124-K2 | | X | X | X | X | X | X | X | X | | | 0.88 | 5.25 | 1.94 | 0.38 | 0.44 |

*0.5" is ANSI standard; can also be finished for 0.38" & 0.44" bolts when specified.

STYLE "MD" ELEVATOR BUCKETS for general purpose elevators



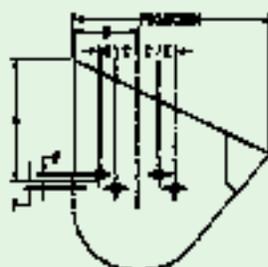
**"MD" STYLE
BUCKETS FOR
G1 ATTACHMENTS**



**G1 Attachment:
400 Class Pintle**

| MOLINE BUCKETS FOR THIS G1 ATTACHMENT | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | | | | | | |
|---------------------------------------------|----------------------------------------------------------------------|------|-------------------------------------------------|------|-------------------------------------------------|------|------|-----------------|
| | 106-MD (10x6) | | 127-MD (12x7) 147-MD (14x7) 167-MD (16x7) | | 148-MD (14x8) 168-MD (16x8) 188-MD (18x8) | | | |
| | BUCKET PROJECTIONS | | | | | | | |
| | 6 inches | | 7 inches | | 8 inches | | | |
| | BUCKET PUNCHING — DIMENSIONS IN INCHES | | | | | | | |
| | A | B | A | B | A | B | C | D BOLT DIAM. |
| 3.12 | 2.62 | 3.75 | 2.90 | 4.88 | 2.62 | | | |
| "MD" STYLE BUCKETS FOR 400 CLASS PINTLE | | | | | | | | |
| 477-G1 | X | | X | | X | 1.31 | 0.31 | |

| MOLINE BUCKETS FOR THESE G6 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | | | | | | | |
|-----------------------------------------------|----------------------------------------------------------------------|------|-------------------------------------------------|------|-------------------------------------------------|------|------|--------------------|------|
| | 106-MD (10x6) | | 127-MD (12x7) 147-MD (14x7) 167-MD (16x7) | | 148-MD (14x8) 168-MD (16x8) 188-MD (18x8) | | | | |
| | BUCKET PROJECTIONS | | | | | | | | |
| | 6 inches | | 7 inches | | 8 inches | | | | |
| | BUCKET PUNCHING — DIMENSIONS IN INCHES | | | | | | | | |
| | A | B | A | B | A | B | C | D BOLT DIAM. | E |
| 3.12 | 2.62 | 3.75 | 2.50 | 4.88 | 2.62 | | | | |
| "MD" STYLE BUCKETS FOR COMBINATION CHAIN | | | | | | | | | |
| C131-G6 | X | | X | | X | 0.88 | 0.38 | 0.60 | 0.28 |
| C188-G6 | X | | X | | X | 0.88 | 0.25 | 0.60 | 0.28 |



**"MD" STYLE
BUCKETS FOR
G6 ATTACHMENTS**

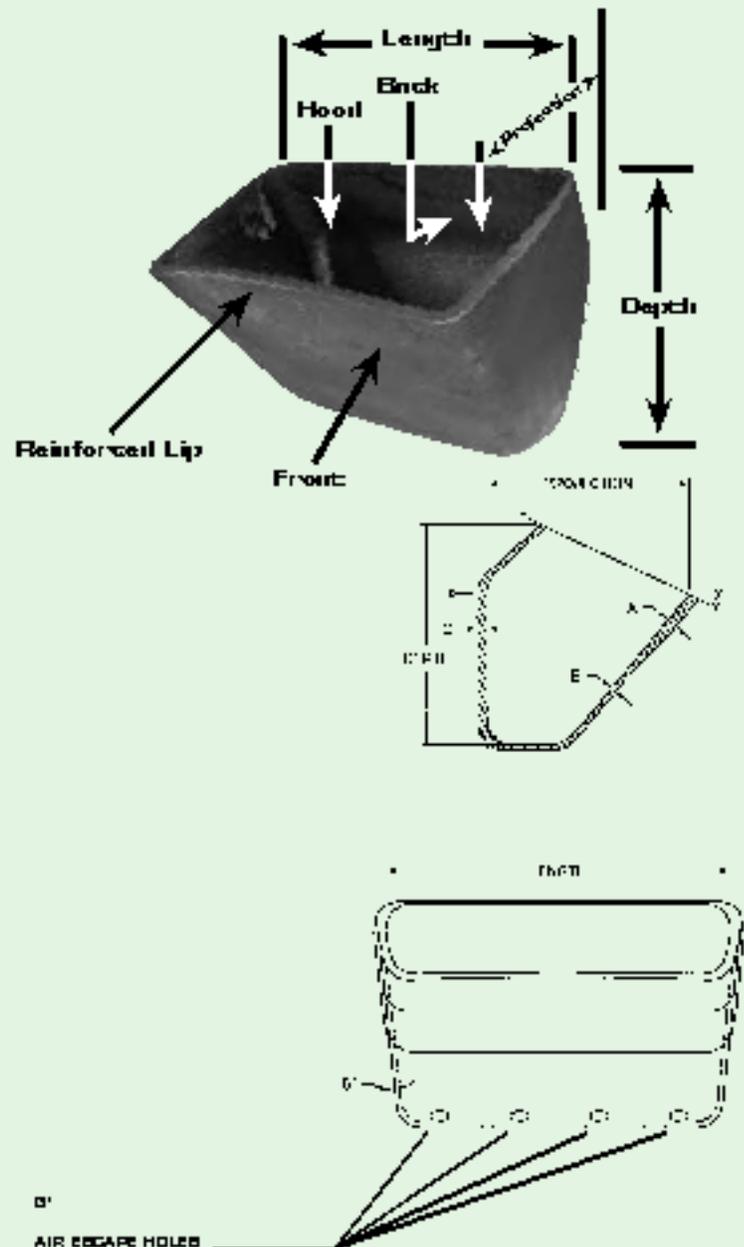
**G6 Attachment:
Combination Chain**



STYLE "AC" ELEVATOR BUCKETS for handling cement, lime, and fluffy materials

Moline Style "AC" Buckets provide fast, thorough discharge of cement, lime, and other dry, fluffy materials. Ventholes in the bottom of each bucket release trapped air in filling and allow material to empty from bucket quickly and completely on discharge. In addition to reinforcing lips, hooded backs reinforces "AC" Style Buckets. This feature permits closer bucket spacing and provides 30% greater carrying capacity than other bucket styles of the same length. These sturdy buckets have an extra thickness of metal at wear points for longer service. Available in Moline Malleable and Moline Promal.

Style "AC" Buckets are usually used with heavy duty engineering chain such as Bushed Steel Chain with K2 and K3 style attachments.



Capacities are for buckets filled to either line XX or YY (see diagram). The practical operating capacity will vary with loading conditions, angle of repose of the material being handled, and the inclination of the elevator.

ORDERING AND APPLICATION DATA

| MOLINE BUCKET NO. | DIMENSIONS IN DECIMAL INCHES | | | | | | CAPACITY IN CUBIC FEET | | APPROXIMATE WEIGHT LBS. |
|-------------------|------------------------------|------------|-------|----------------|-------------|-------------|------------------------|--------------|-------------------------|
| | LENGTH | PROJECTION | DEPTH | WALL THICKNESS | | | At XX (working) | At YY (full) | |
| | | | | THICKNESS A | THICKNESS B | THICKNESS C | | | |
| 12X8-AC | 12 | 8 | 8.5 | 0.44 | 0.22 | 0.38 | .21 | .28 | 30.5 |
| 16X8-AC | 16 | 8 | 8.5 | 0.44 | 0.22 | 0.38 | .28 | .38 | 38.5 |
| 18X10-AC | 18 | 10 | 10.5 | 0.50 | 0.25 | 0.44 | .49 | .62 | 52.0 |
| 24X10-AC | 24 | 10 | 10.5 | 0.38 | 0.25 | 0.44 | .85 | .74 | 72.0 |

Allied-Locke Industries Inc.

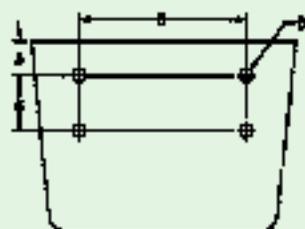
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STYLE "AC" ELEVATOR BUCKETS for handling cement, lime, and fluffy materials

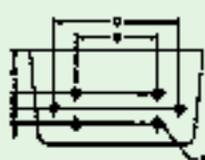


"AC" STYLE BUCKETS
FOR K2 ATTACHMENTS

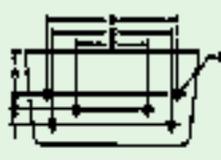


K2 Attachment:
SS Class
Bakel Steel Cliniir

| MACHINE BUCKETS FOR THESE K2 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | | | BUCKET PUNCHING DIMENSIONS IN INCHES | | | |
|------------------------------------------------------|----------------------------------------------------------------------|-------------------|--------------------|--------------------|-----------------------------------------|------|------|--------------------|
| | 128-AC (12X38) | 168-AC (16X38) | 1810-AC (18X10) | 2410-AC (24X10) | A | B | C | D BOLT DIAM. |
| SS 111-K2 | X | X | | | 4.12 | 6.25 | 2.31 | 0.90 |
| SS 150+K2 | X | X | | | 3.88 | 7.90 | 2.75 | 0.90 |
| SS 150-K2 | | | X | X | 5.12 | 7.90 | 2.75 | 0.90 |
| SS 850-K2 | X | X | | | 4.12 | 6.31 | 2.25 | 0.90 |
| SS 850-K2 | | | X | X | 5.38 | 6.31 | 2.25 | 0.90 |



SS150 & K3



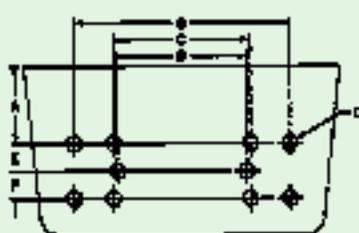
SS850-K3



"AC" STYLE BUCKETS
FOR K3 ATTACHMENTS

K3 Attachment:
SS Class
Bakel Steel Cliniir

| MACHINE BUCKETS FOR THESE K3 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | | | BUCKET PUNCHING DIMENSIONS IN INCHES | | | | | | |
|------------------------------------------------------|----------------------------------------------------------------------|-------------------|--------------------|--------------------|-----------------------------------------|------|-------|--------------------|------|------|-------|
| | 128-AC (12X38) | 168-AC (16X38) | 1810-AC (18X10) | 2410-AC (24X10) | A | B | C | D BOLT DIAM. | E | F | G |
| SS 150+K3 | | X | | | 3.88 | 7.50 | 11.90 | 0.50 | 1.38 | 1.38 | |
| SS 150-K3 | | | X | X | 5.12 | 7.50 | 11.90 | 0.50 | 1.38 | 1.38 | |
| SS 850-K3 | | X | | | 3.88 | 6.56 | 10.94 | 0.50 | 1.38 | 1.38 | 12.00 |
| SS 850-K3 | | | X | X | 5.12 | 6.56 | 10.94 | 0.50 | 1.38 | 1.38 | 12.00 |



"AC" STYLE BUCKETS
FOR K3 ATTACHMENTS

K3 Attachment:
SS Class
Bakel Steel Cliniir

| MACHINE BUCKETS FOR THESE K8 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | | BUCKET PUNCHING DIMENSIONS IN INCHES | | | | | | |
|------------------------------------------------------|----------------------------------------------------------------------|--------------------|--------------------|-----------------------------------------|------|------|--------------------|------|------|-------|
| | 168-AC (16X38) | 1810-AC (18X10) | 2410-AC (24X10) | A | B | C | D BOLT DIAM. | E | F | G |
| SS 850-K8 | X | | | 3.88 | 6.96 | 6.94 | 0.90 | 1.38 | 1.38 | 10.94 |
| SS 850-K8 | | X | X | 5.12 | 6.96 | 6.94 | 0.90 | 1.38 | 1.38 | 10.94 |

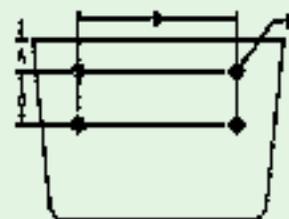


STYLE "AC" ELEVATOR BUCKETS for handling cement, lime, and fluffy materials

"AC" STYLE BUCKETS FOR K24 ATTACHMENTS



K24 Attachment: SS Class Bushed Steel Chain

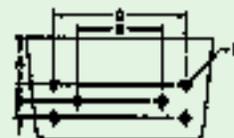


| MACHINE BUCKETS FOR THESE K24 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | | BUCKET PUNCHING Dimensions in Inches | | | |
|-------------------------------------------|-------------------------------------------------------------------|----------------|-----------------|--------------------------------------|------|------|--------------|
| | 128-AC (12X38) | 168-AC (16X38) | 1810-AC (18X10) | A | B | C | D BOLT DIAM. |
| SS 850-K24 | X | X | | 4.00 | 7.25 | 2.90 | 0.62 |
| SS 850-K24 | | | X | 5.25 | 7.25 | 2.90 | 0.62 |

"AC" STYLE BUCKETS FOR K35 ATTACHMENTS



K35 Attachment: SS Class Bushed Steel Chain



| MACHINE BUCKETS FOR THESE K35 ATTACHMENTS | BUCKET CATALOG NUMBERS (With Nominal Bucket Dimensions in Inches) | | BUCKET PUNCHING Dimensions in Inches | | | | | |
|-------------------------------------------|-------------------------------------------------------------------|-----------------|--------------------------------------|------|-------|--------------|------|------|
| | 168-AC (16X38) | 1810-AC (18X10) | A | B | C | D BOLT DIAM. | E | F |
| SS 850-K35 | X | | 4.00 | 7.25 | 11.75 | 0.62 | 1.25 | 1.25 |
| SS 850-K35 | | X | 5.25 | 7.25 | 11.75 | 0.62 | 1.25 | 1.25 |

WEIGHTS OF BULK MATERIALS

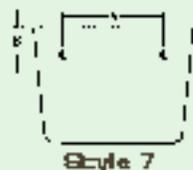
| BULK MATERIALS | UNIT WT. LBS. PER CU. FT. | BULK MATERIALS | UNIT WT. LBS. PER CU. FT. | BULK MATERIALS | UNIT WT. LBS. PER CU. FT. | BULK MATERIALS | UNIT WT. LBS. PER CU. FT. |
|-----------------------------|---------------------------|-----------------------|---------------------------|-----------------------------|---------------------------|-------------------------|---------------------------|
| Alum, impy | 50-60 | Coal, breeze | 81-85 | Lime, hydrated | 82-90 | Say, furnace—granulated | 60-65 |
| Alum, fine | 95-60 | Coal, thirl | 85-80 | Lime, pebble | 58 | Say, crushed | 85-90 |
| Aluminum Oxide (Alumina) | 55 | Coal, loose | 85-82 | Limestone, crushed | 85-90 | Slate, crushed | 80-90 |
| Asphaltite—lime | 50-60 | Coal, petroleum | 85-82 | Limestone, pulverized* | 85 | Soft ash, heavy | 55-65 |
| Asph, cool—cut | 95-50 | Cork, granular | 12 | Limestone, chips | 85-90 | Soft ash, light | 20-25 |
| Asph, cool—dry | 85-90 | Cullet, crushed | 100 | Limestone, agricultural* | 85-70 | Starch | 45 |
| Asphalt, pellets | 95 | Dolomite, crushed | 90-100 | Slake, flake | 17-22 | Sugar, heat prep—dry | 12-15 |
| Bauxite, crushed | 75-85 | Feldspar, ground | 85-70 | Millscale | 100-125 | Sugar, heat prep—cut | 25-45 |
| Bauxite, fine—dry* | 50 | Feldspar, powdered | 85-70 | Magnesia, fines | 85-75 | Sugar, refined | 50-55 |
| Bauxite | 55-60 | Flux, dust* | 90-85 | Marble, chips | 30-35 | Talc | 50-60 |
| Bauxite, crushed | 85-90 | Fluorspar | 110 | Peas, shells | 20 | Trapprock, crushed | 100 |
| Bauxite | 50-55 | Furnace refuse | 30 | Phosphate, acid—powder | 80 | Trochite pellets | 125 |
| Calcium, chloride | 75 | Filter's earth, raw | 85-90 | Phosphate, rock—crushed | 75-85 | Tributyl stearate | 25 |
| Carbon black, pellets | 25 | Filter's earth, spent | 85-90 | Phosphate, slake | 30-100 | Veal chips | 15-25 |
| Castle Soda | 88 | Glass, broken | 30 | Phosphate, triple superphos | 75 | Zinc ore, crushed | 150 |
| Cement, clinker | 85-95 | Grain | 10-50 | Plastic, powder—dry | 12 | | |
| Cement, Portland* | 85 | Gravel, broken | 35-100 | Polysty, coarse | 85-75 | | |
| Cement rock, crushed | 85-95 | Graphite, flake | 90 | Polysty, fines | 85-70 | | |
| Clark, crushed | 85-90 | Gravel, screened | 30-100 | Prunice, ground* | 42-45 | | |
| Clark, pulverized | 70-75 | Gypsum, colored* | 85-80 | Salt, cake | 85-85 | | |
| Claycoal | 15-30 | Gypsum, crushed | 30-100 | Salt, refined | 70-80 | | |
| Clay, ground—dry | 100 | Gypsum, powdered* | 80-80 | Salt, rock—coarse | 45-50 | | |
| Coal, bituminous—dark | 90-95 | Ice, crushed | 82-45 | Sand, damp | 110-130 | | |
| Coal, bituminous—fine | 50-58 | Iron ore, crushed | 125 | Sand, dry | 30-100 | | |
| Coal, bituminous—pulverized | 82-85 | Iron pyrite, fines | 125 | Scrubbed | 18 | | |
| Coal, lignite | 45-55 | Lime, ground* | 80 | Slake, crushed | 85-90 | | |

* Buckets for these materials must have air vent holes drilled into their bottoms for entrapped air control. If material capabilities are to be obtained. Approximately 25% reduction of rated capacities is to be expected if buckets are operated at "under level" fullness.

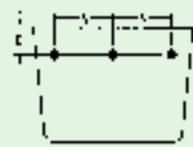
STYLE "MD" BUCKETS FOR BELT ELEVATORS



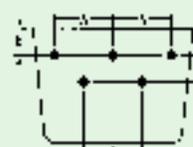
Style "MD"



Style 7



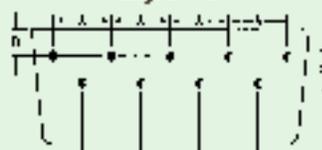
Style 8



Style 9



Style 10



Style 11

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... the company that delivers

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Fax: 800-462-3130

Local:
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Fax: 815-288-7945

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BUCKET PUNCHING FOR BELT ELEVATORS

Moline Buckets may be adapted for belt elevator applications as well as for chain elevators. Punchings for belt applications are in accordance with manufacturers' standards. The five punching styles offered by Moline are illustrated in the following diagrams and punching dimensions appear under appropriate style headings in the punching table.

The following application guidelines may apply to determine width of belts, length of bolts, and diameter of bolts and washers.

1. Width of Belt
Bucket length + 1" for buckets up to 16" long;
Bucket length + 2" for buckets 16" long and over.
2. Length of Bolt
4-ply belts take 0.75" bolt length;
5 and 6-ply belts take 1.00" bolt length;
8-ply belts take 1.25" bolt length.
3. Bolt and Washer Diameters:
Use 0.25" bolts and 0.25" leather washers for up to 10" bucket length;
Use 0.31" bolts and 0.31" leather washers for 10" bucket length and up.

The punching dimensions below are manufacturers' standards and APPLY TO PUNCHING STYLES LISTED IN THE AVAILABLE BUCKET LENGTHS:

| BUCKET LENGTH | A | B | C |
|-----------------------------|------|------|------|
| PUNCHING STYLE 7 IN INCHES | | | |
| 3 | 1.38 | 0.75 | — |
| 4 | 2.31 | 0.75 | — |
| 5 | 3.19 | 1.00 | — |
| 6 | 4.38 | 1.00 | — |
| PUNCHING STYLE 8 IN INCHES | | | |
| 7 | 2.50 | 1.00 | — |
| PUNCHING STYLE 9 IN INCHES | | | |
| 8 | 3.00 | 0.88 | 1.00 |
| 9 | 3.00 | 0.88 | 1.00 |
| 10 | 3.50 | 0.88 | 1.00 |
| 11 | 4.00 | 0.88 | 1.00 |
| 12 | 4.50 | 0.88 | 1.00 |
| PUNCHING STYLE 10 IN INCHES | | | |
| 13 | 3.50 | 0.88 | 1.00 |
| 14 | 4.00 | 0.88 | 1.00 |
| 15 | 4.00 | 0.88 | 1.00 |
| 16 | 4.50 | 0.88 | 1.00 |
| 17 | 4.50 | 0.88 | 1.00 |
| 18 | 5.00 | 0.88 | 1.00 |
| PUNCHING STYLE 11 IN INCHES | | | |
| 19 | 4.00 | 0.88 | 1.00 |
| 20 | 4.00 | 0.88 | 1.00 |
| 21 | 4.50 | 0.88 | 1.00 |
| 22 | 4.50 | 0.88 | 1.00 |
| 23 | 5.00 | 0.88 | 1.00 |
| 24 | 5.00 | 0.88 | 1.00 |



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CAST MANGANESE & ALLOY STEEL PRODUCT LINE



Cement Industry

- Cast Steel Drag Chain
- Elevator Chain
- T-Link Chain
- Redler Style Chain
- Elevator Buckets
- Gudgeon Bearings
- Gudgeon Pins
- Wear Blocks
- Return Rolls
- Crusher Hammers
- Manual Take-up Bearings
- Steel Shafts
- Sprockets (see sprockets)
- Tail Wheels
- Traction Wheels (see sprockets)
- Drag Bars
- Pins
- Cotters

Coal Industry

- Rivetless Chain
- Washbox Chain
- Combination Chain
- Traction Wheels
- Sprockets (see sprockets)
- Crusher Hammers

Pulp and Paper Industry

- Baking Drum Chain
- Long Link (Log Haul) Chain
- Jack Ladder Chain
- Combination Chain
- Welded & Integral Flight Attachments
- Sprockets (see sprockets)
- Baking Drum Corner Wheels

Sprockets, Traction Wheels & Tail Wheels

- Cast Steel
- Fabricated Steel
- Flame Cut
- Cast Tooth Gray Iron and Chilled Rim
Sprockets & Wheels
- Segmental Designs
- Split Hub Designs

Materials

- Carbon Steels (CST)
- Alloy Steels (CST)
- Stainless Steels (CST)
- Manganese Steels (Mn)
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- Supermang[®]
- Oroloy[®]
- Oromang[®]
- Oromax[®]
- Kensoloy[®]
- Kenkrome[®]

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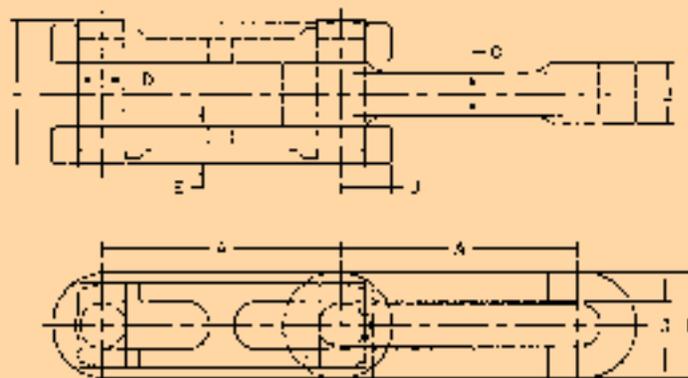
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CAST MANGANESE STEEL RIVETLESS CHAIN

Allied-Locke Rivetless Chain is a patented design with many industrial applications. This chain is cast by the shell mold process to ensure buyers of a sound casting with an extraordinarily smooth surface finish and excellent fit. The unique side bar design contributes significantly to the life and strength of the chain by providing additional surface contact area and offering protection to the pin head. Other design features include easy assembly and a simplified method of adding the various attachments which are described on the pages immediately following. Coupling pins are available for simplifying the installation of long chain strands.



| CHAIN NO. | PITCH IN INCHES A | AVER. WEIGHT PER FT. IN LBS. | AVERAGE ULTIMATE STRENGTH IN LBS. | RECOM. WORKING LOAD IN LBS. | DIMENSIONS IN INCHES | | | | | | | |
|-----------|----------------------|------------------------------|-----------------------------------|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | | | | | B | C | D | E | F | G | H | J |
| 678 | 6.031 | 7.5 | 95,000 | 8,900 | 1 ⁵ / ₁₆ | 1 ⁵ / ₁₆ | 7 ⁸ / ₁₆ | 1 ³ / ₁₆ | 2 ¹ / ₁₆ | 1 ⁵ / ₁₆ | 3 ³ / ₁₆ | 1 ⁵ / ₁₆ |
| 698 | 6.031 | 13.5 | 145,000 | 13,000 | 1 ⁹ / ₁₆ | 1 ¹ / ₁₆ | 1 ¹ / ₈ | 1 ⁵ / ₁₆ | 2 ¹ / ₁₆ | 1 ¹ / ₄ | 3 ⁷ / ₈ | 1 ³ / ₁₆ |
| 998 | 9.031 | 10.5 | 145,000 | 24,000 | 1 ⁹ / ₁₆ | 1 ¹ / ₁₆ | 1 ¹ / ₈ | 1 ⁵ / ₁₆ | 2 ¹ / ₁₆ | 1 ¹ / ₄ | 3 ⁷ / ₈ | 1 ³ / ₁₆ |
| 9118 | 9.031 | 17.5 | 230,000 | 36,000 | 2 ¹ / ₈ | 1 ¹ / ₈ | 1 ³ / ₈ | 1 ¹ / ₈ | 3 | 1 ¹ / ₂ | 3 ⁷ / ₈ | 1 ¹ / ₂ |

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CAST MANGANESE STEEL RIVETLESS CHAIN



Cast Manganese Steel Rivetless Chain with Attachments

PLAIN CHAIN



For Coal Preparation and Sliding Chain Applications

11%-14% Manganese Steel . . .
Manganese Steel work hardens to provide greater wear life in coal processing applications.

27% Greater Surface Contact Area . . .
Compared to drop forged rivetless chain.

2% chrome to resist corrosion.

DIMENSIONS (INCHES) AND WEIGHTS

| ALLIED-LOCKE CHAIN NUMBER | ALLIED-LOCKE PART NUMBER | APPROX. LINKS IN 10 FT. | AVG. PITCH INCHES | RECOM. WORKING LOAD LBS. | WIDTH OVERALL A | HEIGHT OF SIDEBAR F | SIDEBAR THICKNESS EE | DIAMETER OF PIN G | WIDTH OF LINK J | BETWEEN SIDEBARS K | OPENING IN LINK S | LENGTH OF FLAT ON LINK Y | WEIGHT PER FOOT, LBS. |
|---------------------------|--------------------------|--------------------------------|-------------------|--------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------|
| 678 | 29001 | 20 | 6.031 | 8,500 | 3 ³ / ₁₆ | 2 ¹ / ₁₆ | 1 ⁵ / ₁₆ | 7 ⁸ / ₁₆ | 1 ⁵ / ₁₆ | 1 ³ / ₈ | 1 ⁵ / ₁₆ | 3 ²⁵ / ₃₂ | 7.5 |
| 698 | 29002 | 20 | 6.031 | 13,000 | 3 ⁷ / ₈ | 2 ¹ / ₁₆ | 1 ⁵ / ₁₆ | 1 ¹ / ₈ | 1 ¹ / ₁₆ | 1 ⁵ / ₈ | 1 ¹ / ₄ | 3 ²¹ / ₃₂ | 13.5 |
| 998 | 29003 | 13 ¹ / ₃ | 9.031 | 13,000 | 3 ⁷ / ₈ | 2 ¹ / ₁₆ | 1 ⁵ / ₁₆ | 1 ¹ / ₈ | 1 ¹ / ₁₆ | 1 ⁵ / ₈ | 1 ¹ / ₄ | 6 ³ / ₁₆ | 10.5 |
| 9118 | 29004 | 13 ¹ / ₃ | 9.031 | 22,000 | 4 ⁷ / ₈ | 3 ¹ / ₈ | 1 ⁵ / ₁₆ | 1 ³ / ₈ | 1 ³ / ₈ | 2 ¹ / ₁₆ | 1 ¹ / ₂ | 6 ³ / ₁₆ | 17.5 |

NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

CHAIN ATTACHMENTS

Allied-Locke provides the most complete line of attachments for the Rivetless Chain. Coupler pins for simplifying installation are also available.

EXTENDED PINS

D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11

| | 678 | | | 698 | | | 998 | | | 9118 | |
|--------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | D4 | D5 | D6 | D7 | D8 | D9 | D7 | D8 | D9 | D10 | D11 |
| G (Diameter) | 7 ⁸ / ₁₆ | 7 ⁸ / ₁₆ | 3 ⁴ / ₄ | 3 ⁴ / ₄ | 7 ⁸ / ₁₆ | 1 ¹ / ₈ | 3 ⁴ / ₄ | 7 ⁸ / ₁₆ | 1 ¹ / ₈ | 3 ⁴ / ₄ | 1 ³ / ₈ |
| L (Length) | 1 ¹ / ₂ | 2 | 1 ⁷ / ₈ | 1 ¹ / ₂ | 1 ³ / ₄ | 1 ³ / ₄ | 1 ¹ / ₂ | 1 ³ / ₄ | 1 ³ / ₄ | 2 | 2 |
| Wgt (Lbs.) | 1.0 | 1.1 | 1.1 | 1.5 | 1.7 | 2.0 | 1.5 | 1.7 | 2.0 | 2.9 | 3.6 |

Extended pins can be finished (a) plain, (b) plain, with hole and collar, (c) threaded with or without collar, and (d) cast with. Extended lengths listed are maximum; shorter lengths (by cutting off) can be finished at slight additional charge. D1 thru D11 listed above are threaded national coarse thread supplied with lock washer and heavy hex nut.

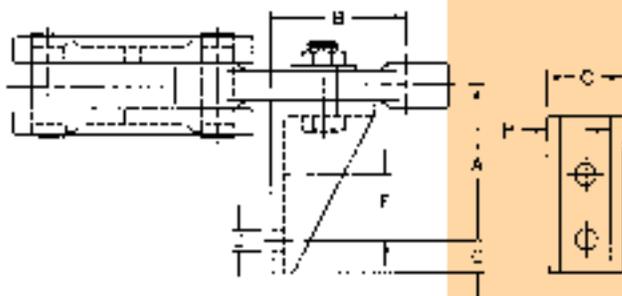
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... reach for the star of quality
www.alliedlocke.com

Segmental sprockets are available with cast manganese steel teeth and cast or fabricated steel bodies.

Teeth can easily be replaced without removing the chain from sprockets.



CAST MANGANESE STEEL RIVETLESS CHAIN



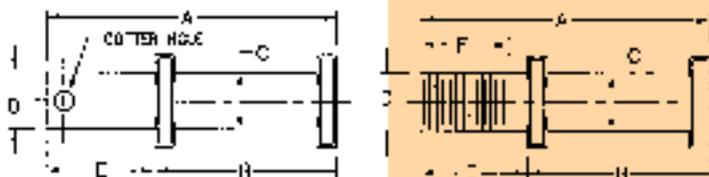
S22

| ALLIED-LOCKE CHAIN NUMBER | ALLIED-LOCKE PART NUMBER | E | D* | F | H | B | C | T | WEIGHT EA., LBS. |
|---------------------------|--------------------------|---------------------------------|-----|---------------------------------|---------------------------------|---------------------------------|-------------------------------|-----|------------------|
| S22 STYLE 1 | | | | | | | | | |
| 078 | 29001 | 2 ³¹ / ₃₂ | 5/8 | 1 ¹³ / ₁₆ | 4 ¹⁵ / ₁₆ | 4 ¹¹ / ₁₆ | 4 ¹ / ₄ | 5/8 | 4.7** |
| 098 | 29002 | 3 ⁹ / ₃₂ | 3/4 | 2 ³ / ₈ | 6 ⁵ / ₈ | 4 ¹ / ₄ | 5 ³ / ₈ | 1/2 | 9.8** |
| 998 | 29003 | 3 ⁹ / ₃₂ | 3/4 | 2 ³ / ₈ | 6 ⁷ / ₈ | 7 ¹ / ₄ | 5 ³ / ₈ | 3/8 | 11.3** |

*Indicates diameter of hole, all holes are round and straight.

** Including filler.

†Including filler Nook.



EXTENDED PINS

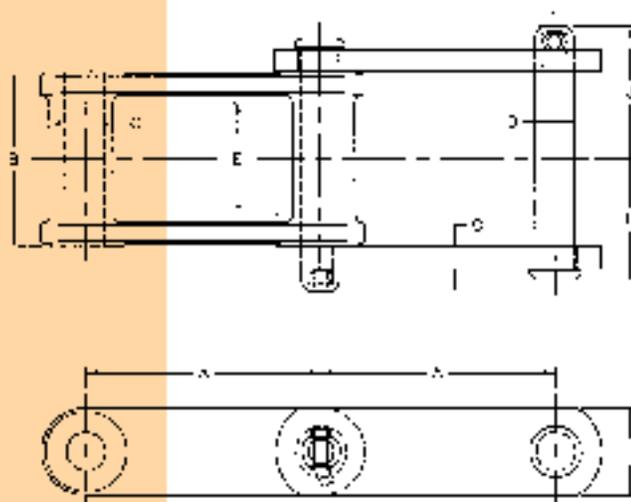
| CHAIN NO. | PIN STYLE | WT. EA. LBS. | A | B | C | D | E | F |
|-----------|-----------|--------------|---------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 078 | 1 | 1.0 | 4 ¹¹ / ₁₆ | 3 ³ / ₁₆ | 7/8 | 7/8 | 1 ¹ / ₂ | 1 ¹ / ₄ |
| 078 | 1 | 1.1 | 5 ³ / ₁₆ | 3 ³ / ₁₆ | 7/8 | 7/8 | 2 | 1 ³ / ₄ |
| 078 | 1 | 1.1 | 5 ¹ / ₁₆ | 3 ³ / ₁₆ | 7/8 | 3/4 | 1 ⁷ / ₈ | 1 ¹ / ₂ |
| 078 | 2 | 1.0 | 4 ¹¹ / ₁₆ | 3 ³ / ₁₆ | 7/8 | 7/8 | 1 ¹ / ₂ | — |
| 078 | 2 | 1.1 | 5 ³ / ₁₆ | 3 ³ / ₁₆ | 7/8 | 7/8 | 2 | — |
| 078 | 2 | 1.1 | 5 ¹ / ₁₆ | 3 ³ / ₁₆ | 7/8 | 3/4 | 1 ⁷ / ₈ | — |
| 098 & 998 | 1 | 1.5 | 5 ³ / ₈ | 3 ⁷ / ₈ | 1 ¹ / ₈ | 3/4 | 1 ¹ / ₂ | 1 |
| 098 & 998 | 1 | 1.7 | 5 ³ / ₈ | 3 ⁷ / ₈ | 1 ¹ / ₈ | 7/8 | 1 ³ / ₄ | 1 ¹ / ₄ |
| 098 & 998 | 1 | 2.0 | 5 ³ / ₈ | 3 ⁷ / ₈ | 1 ¹ / ₈ | 1 ¹ / ₈ | 1 ³ / ₄ | 1 ¹ / ₄ |

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... chain - sprockets - buckets
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CAST ALLOY COMBINATION CHAIN



Allied-Locke Combination Chain is used extensively in the coal, paper and cement industries although its basic design does not limit its use to those industries. It offers side bars which in many cases provide much more pin bearing area than is found with standard design chains. The greater pin bearing area results in greater service life for pins and side bars and the T-Head pins can be reversed to further increase pin life. A full line of attachment links are available for use with Combination Chain in a variety of applications including bucket elevators, log jack ladders and scraper conveyors. These attachments are described on the pages immediately following.



**ASSEMBLY WITH STEEL SIDE BARS
(Suffix S)**

| CHAIN NO. | PITCH IN INCHES A | AVER. WEIGHT IN LBS. | | | DIMENSIONS IN INCHES | | | | | | | | | | |
|------------------------------------|----------------------|----------------------|----------------------|-----------------------------|---------------------------------|-----------------------------|---------------|---------------------------------|--------------------------------|------------|--------------------------------|-------------------------------|--------------------|------------------------------------|------------------------------------|
| | | PLAIN CHAIN PER FOOT | CENTER LINK WITH PIN | SIDE BARS WITH PIN PER PAIR | AVER. ULTIMATE STRENGTH IN LBS. | RECOM. WORKING LOAD IN LBS. | PIN STYLE NO. | CENTER LINK | | | SIDE BAR | | | | |
| | | | | | | | | BARREL LENGTH B | BARREL DIA. C | PIN DIA. D | MAX. SPERT. WIDTH E | SIDE BAR WIDTH F | SIDE BAR THICKN. G | PIN HEAD TO ϕ H | PIN END TO ϕ J |
| C102BS | 4.000 | 7.6 | 2.5 | 2.5 | 49,800 | 5,000 | 2 | 2 ¹³ / ₁₆ | 3 ¹ / ₃₂ | 5/8 | 1 ⁷ / ₈ | 1 ¹ / ₂ | 3/8 | 2 ¹⁵ / ₁₆ ±4 | 2 ²⁵ / ₁₆ ±4 |
| C102 ¹ / ₂ S | 4.028 | 9.7 | 4.0 | 2.5 | 41,000 | 6,700 | 1 | 3 | 1 ³ / ₈ | 3/4 | 2 | 1 ³ / ₄ | 3/8 | 2 ¹ / ₈ | 2 ¹ / ₈ |
| C110S | 6.000 | 6.5 | 3.7 | 2.8 | 58,300 | 5,000 | 2 | 2 ¹³ / ₁₆ | 1 ¹ / ₄ | 5/8 | 2 | 1 ¹ / ₂ | 3/8 | 2 ¹ / ₄ | 2 ³ / ₈ |
| C111S | 4.760 | 10.1 | 4.8 | 3.2 | 48,600 | 7,500 | 2 | 3 ³ / ₈ | 1 ⁷ / ₁₆ | 3/4 | 2 ⁵ / ₁₆ | 1 ³ / ₄ | 3/8 | 2 ⁵ / ₁₆ | 2 ¹ / ₁₆ |
| C131S | 3.075 | 7.8 | 2.0 | 2.0 | 36,800 | 3,800 | 1 | 2 | 1 ¹ / ₄ | 5/8 | 1 ¹ / ₄ | 1 ¹ / ₂ | 3/8 | 1 ⁵ / ₈ | 1 ⁹ / ₁₆ |
| C132S | 6.050 | 15.0 | 3.0 | 6.0 | 57,100 | 10,500 | 1 | 4 ³ / ₈ | 1 ³ / ₄ | 1 | 3 | 2 | 1/2 | 3 | 2 ¹⁵ / ₁₆ |
| C188S | 2.609 | 4.2 | 1.0 | .8 | 26,000 | 2,400 | 2 | 1 ⁵ / ₈ | 1 ⁵ / ₁₆ | 1/2 | 1 ⁷ / ₈ | 1 ¹ / ₄ | 1/4 | 1 ⁵ / ₁₆ | 1 ⁷ / ₁₆ |

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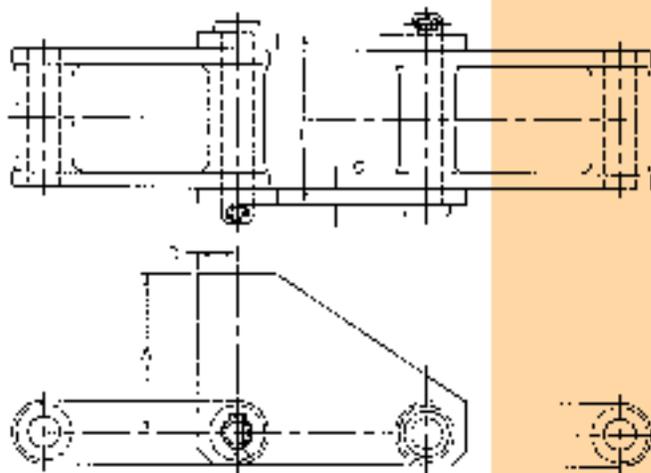
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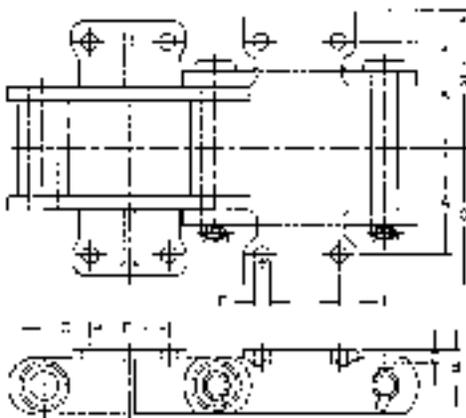
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CAST ALLOY COMBINATION CHAIN ATTACHMENTS



B1

| CHAIN NO. | WT. IN. LBS.* | A | B | C | D |
|-----------|---------------|-------|---------|-----|-------|
| C102 1/2S | 4.3 | 3 3/4 | 3 13/16 | 3/8 | 1 |
| C132 | 9.7 | 5 | 5 1/2 | 1/2 | 1 1/4 |



K2 [CENTER LINK]

| CHAIN NO. | WT. IN. LBS.* | A | B | C | D | E | F | G | H |
|-----------|---------------|---------|--------|---------|-----|---------|------|---------|-------|
| C102B | 3.5 | 2 21/32 | 1 | 1 1/8 | 3/8 | 1 3/4 | 5/16 | 3 9/32 | 9/16 |
| C102 1/2 | 4.5 | 2 21/32 | 1 | 1 1/8 | 3/8 | 1 3/4 | 5/16 | 3 1/4 | 19/32 |
| C110 | 4.6 | 2 11/16 | 2 3/32 | 2 3/32 | 3/8 | 1 13/16 | 1/4 | 3 1/4 | 19/32 |
| C111 | 5.8 | 3 1/8 | 1 1/8 | 1 5/16 | 1/2 | 2 5/16 | 5/16 | 3 3/4 | 5/8 |
| C131 | 2.8 | 2 1/16 | 1 | 2 5/32 | 1/2 | 1 1/2 | 5/16 | 2 11/16 | 5/8 |
| C132 | 10.7 | 3 3/4 | 1 1/4 | 1 11/16 | 1/2 | 2 3/4 | 5/16 | 4 1/2 | 5/8 |

K2 [SIDE BARS]

| CHAIN NO. | WT. IN. LBS.* | A | B | C | D† | E | F | G | H |
|-----------|---------------|---------|-------|---------|------|--------|------|---------|------|
| C102B | 3.5 | 2 21/32 | 1 | 1 1/8 | 3/8 | 1 3/4 | 5/16 | 3 9/32 | 9/16 |
| C102 1/2 | 4.5 | 2 21/32 | 1 1/8 | 1 9/16 | 3/8 | 1 3/4 | 5/16 | 3 13/32 | 3/4 |
| C110 | 4.6 | 2 11/16 | 1 | 2 1/8 | 3/8 | 1 3/4 | 3/8 | 3 5/16 | 5/8 |
| C111 | 4.8 | 3 1/8 | 1 1/8 | 1 7/32 | 1/2† | 2 5/16 | 5/16 | 3 3/4 | 9/16 |
| C131 | 2.8 | 2 1/16 | 1 | 2 5/32 | 1/2 | 1 1/2 | 5/16 | 2 5/8 | 9/16 |
| C132 | 7.7 | 3 25/32 | 1 1/4 | 1 21/32 | 1/2 | 2 3/4 | 5/16 | 4 1/2 | 5/8 |

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CAST STEEL DRAG CHAIN



Cast Steel Drag Chain



Plow Shape Design . . .

The complete link including the barrel, wings, and sidebars are plow-shaped for improved material handling efficiency.

Longer Pin Life . . .

"Induction Hardened" pins are furnished for increased wear life. Sidebar lugs protect the pin against abrasion and lock the pin into place to prevent pin rotation.

For Use In Cement Manufacturing, Hot Lime & Bulk Material Applications

Allied-Locke's cast Wing Link is the result of years of chain design, manufacturing and application experience. Our plow shaped barrel, wings and sidebars and our "T" head induction hardened pin are a first in chain design.

In 1997, **Allied-Locke Industries** acquired **Sheldon Engineering and Manufacturing, Inc.'s** cast steel product line, which has been in operation since 1983. **Sheldon** acquired a line of steel drag chain from **Remold, Inc.** in 1983. Included in this product line are **Portac, Kensington, Taylor-Wharton** and **James Mfg.** chain product lines with a history that dates back many decades.

Handsurfacing—Available . . .

Critical sliding surfaces on both sides of Wing Link are handsurfaced for additional wear life.

The Industry's Most Complete Line . . .

Allied-Locke manufactures Castlinks as well as a variety of steel, such as Alloy, Manganese, Carbon and Stainless.

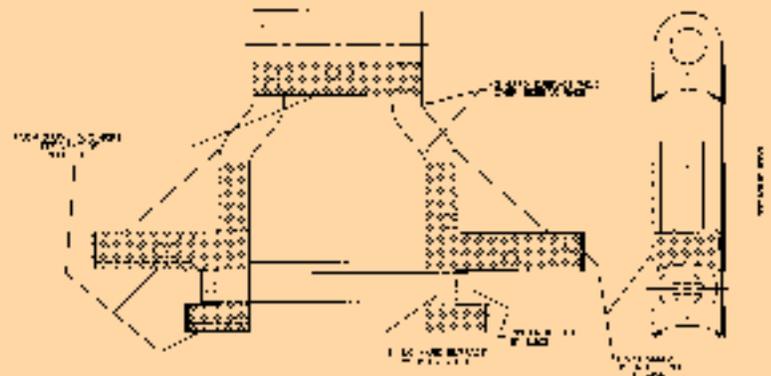
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ALLIED-LOCKE INDUSTRIES INC.

CAST STEEL DRAG CHAIN



DIMENSIONS (INCHES) AND WEIGHTS (POUNDS)

| ALLIED-LOCKE CHAIN NUMBER | FITCH IN INCHES | RECOM. WORKING LOAD LBS. | FIN LENGTH F | LENGTH OF BEARING B | MAX. ALLOW. SPROCKET FACE E | WING AND SIDEBAR THICKNESS C | SIDEBAR HEIGHT G | FIN DIA. D | A | AVERAGE WEIGHT PER FT. LBS. |
|---------------------------|-----------------|--------------------------|--------------|---------------------|-----------------------------|------------------------------|------------------|------------|----|-----------------------------|
| SS157 | 6.050 | 18,200 | 6.94 | 4.63 | 2.75 | .63 | 2.90 | 1.3 | 8 | 25 |
| | | | | | | | | | 10 | 27 |
| | | | | | | | | | 12 | 29 |
| | | | | | | | | | 14 | 31 |
| SS121 & SS121 | 9.000 | 27,600 | 9.75 | 6.31 | 3.62 | 1.12 | 2.90 | 1.25 | 10 | 40 |
| | | | | | | | | | 12 | 42.2 |
| | | | | | | | | | 14 | 44.3 |
| | | | | | | | | | 16 | 46.9 |
| | | | | | | | | | 18 | 47.5 |
| | | | | | | | | | 20 | 49.5 |
| | | | | | | | | | 22 | 51.1 |
| | | | | | | | | | 24 | 52.7 |
| 26 | 54.3 | | | | | | | | | |
| 28 | 56.0 | | | | | | | | | |
| 30 | 57.0 | | | | | | | | | |
| SS067 | 9.000 | 24,320 | 8.12 | 5.56 | 3.62 | .75 | 2.90 | 1.25 | 10 | 29.7 |
| | | | | | | | | | 12 | 31.9 |
| | | | | | | | | | 14 | 33.6 |
| | | | | | | | | | 16 | 35.2 |
| | | | | | | | | | 18 | 36.8 |
| | | | | | | | | | 20 | 38.8 |
| | | | | | | | | | 22 | 40.4 |
| 24 | 42.0 | | | | | | | | | |
| 26 | 43.3 | | | | | | | | | |

NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request.

• For Temperatures exceeding 1000° F, consult with Allied-Locke

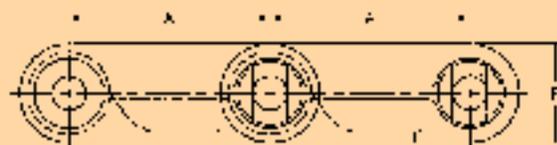
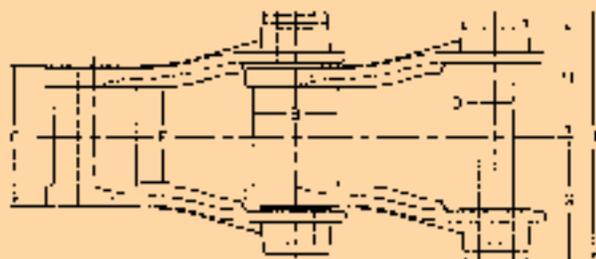
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800 CLASS PINTLE CHAIN



REGULAR HEAVY DUTY



Allied-Locke 800 Class Pintle Chain is ideal for many heavy service applications, primarily in cement manufacturing plants, sand and gravel operations and coal mines.

Several of the chains in Allied-Locke's 800 Class, including the popular #844 chain, feature a special design which virtually eliminates the possibility of the chain or buckets falling due to pin breakage. The design incorporates a cotter or bolt over the head of the pin and through the integrally cast pin stop lugs. A second cotter or bolt is used at the opposite end of the pin and passes through the integrally cast extended boss and pin. As a result, the pin is locked into place and in the unlikely case of a pin breaking, the chain itself remains intact . . . a definite service benefit.

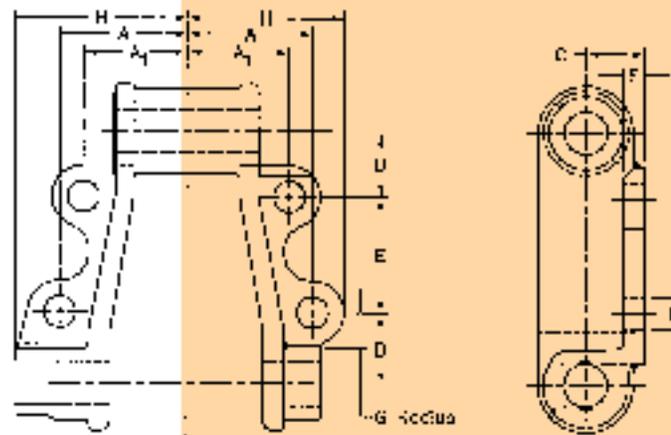
The wide variety of bucket attachment links and other attachments available for use with 800 Class Pintle Chains is described in the following pages.

| CHAIN NO. | FITCH IN INCHES A | AVER. WEIGHT PER FT. IN LBS. | RECOM. WORKING LOAD IN LBS. | AVERAGE ULTIMATE STRENGTH IN LBS. | DIMENSIONS IN INCHES | | | | | | | |
|-----------|----------------------|------------------------------|-----------------------------|-----------------------------------|----------------------|-----------------|-----------------|--------------------|------------------|-------------------|-------------------|-------------------|
| | | | | | BARREL DIA. B | BARREL LENGTH C | PIN DIA. D | MAX SPKRT. WIDTH E | SIDE BAR WIDTH F | PIN HEAD TO C G | PIN END TO C H | MAX O.A. WIDTH J |
| 844LD | 6.000 | 14.1 | 7,900 | 84,600 | 1 $\frac{3}{4}$ | 3 $\frac{1}{2}$ | $\frac{3}{4}$ | 2 $\frac{1}{4}$ | 2 $\frac{1}{8}$ | 2 $\frac{25}{32}$ | 3 $\frac{13}{32}$ | 6 $\frac{13}{16}$ |
| 844RD | 6.000 | 17.0 | 10,500 | 124,000 | 2 | 3 $\frac{1}{2}$ | 1 | 2 $\frac{1}{4}$ | 2 $\frac{1}{4}$ | 4 $\frac{1}{16}$ | 3 $\frac{9}{16}$ | 8 $\frac{1}{8}$ |
| 84461D | 6.000 | 16.2 | 11,800 | 140,600 | 1 $\frac{3}{4}$ | 3 $\frac{1}{2}$ | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ | 2 $\frac{1}{16}$ | 3 $\frac{23}{32}$ | 2 $\frac{31}{32}$ | 7 $\frac{7}{16}$ |
| 844HD | 6.000 | 30.0 | 14,500 | 204,800 | 2 $\frac{3}{8}$ | 3 $\frac{7}{8}$ | 1 $\frac{1}{4}$ | 2 $\frac{1}{4}$ | 3 $\frac{1}{8}$ | 3 $\frac{19}{32}$ | 3 $\frac{7}{32}$ | 9 $\frac{9}{16}$ |

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800 CLASS PINTLE CHAIN ATTACHMENTS



K2

| CHAIN NO. | WT. PER LINK IN LBS. ‡ | A | A' | B | C | D† | E | F | G | H |
|-----------|------------------------|---|--------------------------------|--------------------------------|--------------------------------|------|-------------------------------|------|-----|-------------------------------|
| 844 | 8.0 | 3 | 2 ⁷ / ₁₆ | 1 ⁵ / ₈ | 1 ⁵ / ₃₂ | 1/2 | 2 ³ / ₄ | 9/16 | 3/4 | 3 ³ / ₄ |
| 844MD | 9.5 | 3 | 2 ⁷ / ₁₆ | 1 ⁹ / ₁₆ | 1 ³ / ₈ | 5/8* | 2 ³ / ₄ | 1/2 | 3/4 | 3 ³ / ₄ |
| 844HD | 14.3 | 3 | 2 ⁷ / ₁₆ | 1 ⁵ / ₈ | 1 1/2 | 5/8* | 2 ³ / ₄ | 1/2 | 3/4 | 3 ³ / ₄ |

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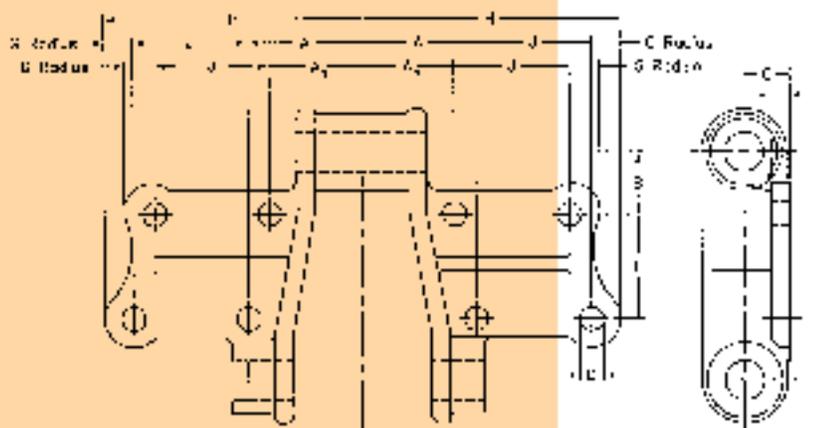
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Phone: 815-288-1471

Fax: 815-288-7945

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800 CLASS PINTLE CHAIN ATTACHMENTS



K4

| CHAIN NO. | WT. PER LINK IN LBS. ‡ | A | A' | B | C | D † | E | F | G | H | J |
|-----------|------------------------|---|-------|-------|-------|-----|-------|-----|-----|-------|---|
| 844HD | 18.3 | 3 | 27/16 | 1 5/8 | 1 1/2 | 5/8 | 2 3/4 | 1/2 | 3/4 | 6 3/4 | 3 |

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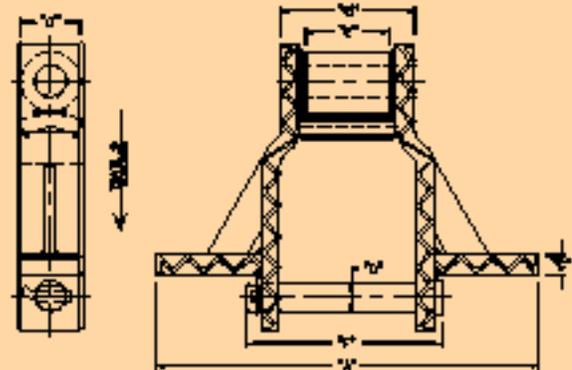
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FABRICATED STEEL DRAG CHAIN



DIMENSIONS (INCHES) AND WEIGHTS (POUNDS)

Heavy duty welded Steel drag chains for your most abrasive applications. All components heat-treated.

Inclusion Hardened Pins

High Interference fits on pins to insure pins will not rotate.

Hard surface welding to greatly extend the life of the chains sliding surfaces and digging edges.

Square edges provide optimum chain conveying.

| ALLIED-LOCKE CHAIN NUMBER | PITCH IN INCHES | RECOM. WORKING LOAD LBS. | PIN LENGTH F | LENGTH OF BEARING B | MAX. ALLOY SPROCKET FACE E | WING AND SIDEBAR THICKNESS C | SIDEBAR HEIGHT G | PIN DIA. D | A |
|---------------------------|-----------------|--------------------------|--------------|---------------------|----------------------------|------------------------------|------------------|------------|----|
| WH05157 | 6.050 | 18,200 | 6.94 | 4.63 | 2.75 | .63 | 2.50 | 1.13 | 8 |
| | | | | | | | | | 10 |
| | | | | | | | | | 12 |
| | | | | | | | | | 14 |
| WH05121 & WH03121 | 9.000 | 27,600 | 9.75 | 6.31 | 3.62 | 1.12 | 2.50 | 1.25 | 10 |
| | | | | | | | | | 12 |
| | | | | | | | | | 14 |
| | | | | | | | | | 16 |
| | | | | | | | | | 18 |
| | | | | | | | | | 20 |
| | | | | | | | | | 22 |
| | | | | | | | | | 24 |
| 26 | | | | | | | | | |
| 28 | | | | | | | | | |
| 30 | | | | | | | | | |
| WH03067 | 9.000 | 24,320 | 8.12 | 5.56 | 3.62 | .75 | 2.50 | 1.25 | 10 |
| | | | | | | | | | 12 |
| | | | | | | | | | 14 |
| | | | | | | | | | 16 |
| | | | | | | | | | 18 |
| | | | | | | | | | 20 |
| 22 | | | | | | | | | |
| 24 | | | | | | | | | |
| 26 | | | | | | | | | |

NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request

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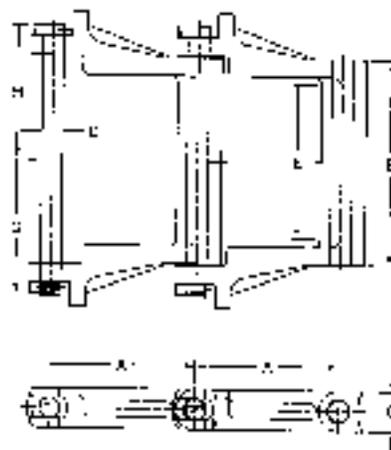
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CAST ALLOY DRAG CHAIN



SD TYPE

| CHAIN NO. | FITCH IN INCHES A | AVER. WEIGHT PER F.T. IN LBS. | WT. PER FIN | AVERAGE ULTIMATE STRENGTH IN LBS. | RECOM. WORKING LOAD IN LBS. | DIMENSIONS IN INCHES | | | | | | |
|-----------|-------------------|-------------------------------|-------------|-----------------------------------|-----------------------------|----------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------|---------------------------------|--------------------------------|
| | | | | | | BARREL LENGTH B | SIDE BAR WIDTH C | FIN DIA. D | MAX. SPRKT. WIDTH E | MAX. O.A. WIDTH F | FIN HEAD TO C G | FIN END TO C H |
| SD21 | 9.000 | 46.8 | 6.0 | 182,300 | 23,400 | 12 ⁷ / ₁₆ | 2 ¹ / ₂ | 1 ¹ / ₄ | 9 ¹ / ₂ | — | 8 ³ / ₁₆ | 8 ⁵ / ₁₆ |
| SD23 | 9.000 | 41.8 | 4.2 | 172,800 | 23,400 | 8 ⁷ / ₁₆ | 2 ¹ / ₂ | 1 ¹ / ₄ | 5 ³ / ₄ | — | 6 | 6 |
| SD27 | 9.000 | 30.7 | 2.9 | 160,900 | 20,100 | 6 ⁷ / ₈ | 2 ¹ / ₂ | 1 ¹ / ₈ | 4 ¹ / ₄ | — | 4 ¹³ / ₁₆ | 5 ¹ / ₁₆ |
| SD28 | 9.000 | 26.0 | 2.8 | 139,400 | 17,600 | 12 ¹³ / ₁₆ | 2 ¹ / ₈ | 7 ³ / ₈ | 10 ¹ / ₈ | — | 8 | 8 ¹ / ₈ |
| SD29 | 9.000 | 20.8 | 2.5 | 139,400 | 17,600 | 8 ¹³ / ₁₆ | 2 ¹ / ₈ | 7 ³ / ₈ | 6 ¹ / ₄ | — | 6 | 6 ¹ / ₈ |



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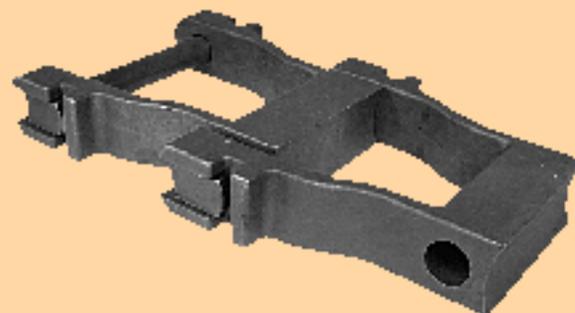
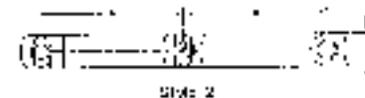
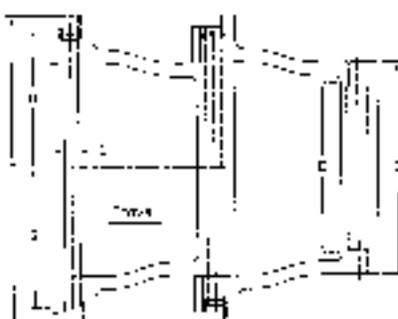
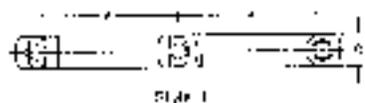
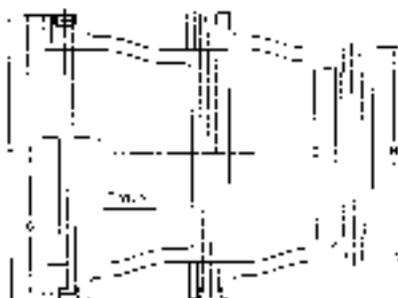
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CAST ALLOY DRAG CHAIN

HD TYPE

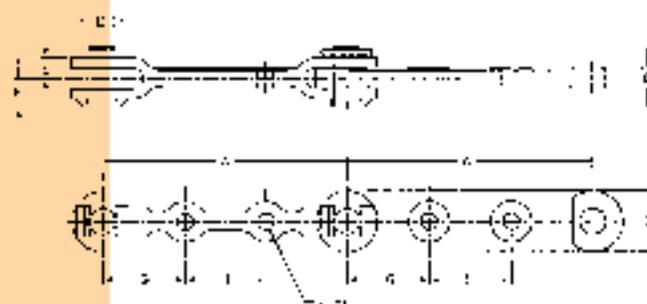


| CHAIN NO. | STYLE NO. | FITCH IN INCHES A | AVER. WEIGHT PER FT. IN LBS. | WT. PER FIN | AVERAGE ULTIMATE STRENGTH IN LBS. | RECOM. WORKING LOAD IN LBS. | DIMENSIONS IN INCHES | | | | | | |
|-----------|-----------|-------------------|------------------------------|-------------|-----------------------------------|-----------------------------|---------------------------------|--------------------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|
| | | | | | | | BARREL LENGTH B | SIDE BAR WIDTH C | FIN DIA. D | MAX. SPRET. WIDTH E | MAX. O.A. WIDTH F | FIN HEAD TO C G | FIN END TO C H |
| 1924 | 1 | 5.000 | 19.4 | .9 | 62,000 | 7,800 | 7 ⁵ / ₈ | 1 ⁵ / ₈ | ³ / ₄ | 6 | 10 ¹ / ₈ | 4 ¹ / ₁₆ | 5 ¹ / ₁₆ |
| 1932 | 1 | 6.000 | 24.2 | 1.0 | 125,900 | 16,000 | 5 ¹ / ₄ | 2 | 1 | 3 ³ / ₄ | 8 | 4 | 4 |
| 1934 | 2 | 6.000 | 15.2 | 2.0 | 73,850 | 9,300 | 5 ⁵ / ₁₆ | 1 ³ / ₁₆ | ³ / ₄ | 4 ¹ / ₈ | 7 ¹ / ₂ | 3 ¹ / ₁₆ | 3 ¹³ / ₁₆ |
| 1932 | 1 | 9.000 | 27.5 | 2.5 | 211,700 | 26,800 | 5 ¹ / ₈ | 2 ¹ / ₂ | 1 ¹ / ₈ | 3 | 9 | 4 ¹ / ₄ | 4 ⁵ / ₈ |
| 1953 | 1 | 9.000 | 30.8 | 3.0 | 158,800 | 20,100 | 6 ⁷ / ₈ | 2 ¹ / ₂ | 1 ¹ / ₈ | 4 ³ / ₄ | 10 | 4 ¹ / ₁₆ | 5 |
| 1955 | 1 | 9.000 | 36.1 | 3.0 | 185,200 | 23,900 | 8 ¹ / ₂ | 2 ¹ / ₂ | 1 ¹ / ₈ | 5 ³ / ₄ | 12 | 5 ²⁵ / ₃₂ | 5 ³ / ₃₂ |
| 1958 | 1 | 9.000 | 39.5 | 4.5 | 167,900 | 23,400 | 8 ¹ / ₂ | 2 ¹ / ₂ | 1 ¹ / ₄ | 5 ³ / ₄ | 12 | 5 ²⁵ / ₃₂ | 5 ³ / ₃₂ |
| 1960 | 1 | 9.000 | 45.9 | 4.3 | 262,600 | 33,300 | 9 ¹ / ₄ | 2 ¹ / ₂ | 1 ¹ / ₄ | 6 ¹ / ₂ | 14 | 6 ³ / ₄ | 7 ¹ / ₈ |
| 1962 | 1 | 9.000 | 46.8 | 5.9 | 182,300 | 23,400 | 12 ⁷ / ₁₆ | 2 ¹ / ₂ | 1 ¹ / ₄ | 10 ¹ / ₄ | 16 ³ / ₈ | 7 ² / ₃₂ | 8 ¹¹ / ₃₂ |
| 1964 | 1 | 9.000 | 52.2 | 6.0 | 282,000 | 35,700 | 12 ¹ / ₁₆ | 2 ¹ / ₂ | 1 ¹ / ₄ | 10 | 18 | 8 ²⁵ / ₃₂ | 9 ¹ / ₃₂ |
| 1965 | 2 | 9.000 | 50.1 | 6.0 | 182,300 | 23,400 | 12 ⁷ / ₁₆ | 2 ¹ / ₂ | 1 ¹ / ₄ | 10 ¹ / ₄ | 18 ³ / ₈ | 7 ² / ₃₂ | 8 ¹¹ / ₃₂ |
| 1967 | 2 | 9.000 | 55.5 | 6.0 | 282,000 | 35,700 | 12 ¹ / ₁₆ | 2 ¹ / ₂ | 1 ¹ / ₄ | 10 | 20 | 8 ²⁵ / ₃₂ | 9 ¹ / ₃₂ |
| 1972 | 1 | 12.000 | 63.2 | 10.0 | 338,700 | 42,900 | 17 ⁷ / ₈ | 2 ³ / ₄ | 1 ³ / ₈ | 14 ³ / ₈ | 24 | 11 ³ / ₈ | 11 ⁷ / ₈ |
| 1976 | 2 | 12.000 | 70.2 | 10.0 | 338,700 | 42,900 | 17 ⁷ / ₈ | 2 ³ / ₄ | 1 ³ / ₈ | 14 ³ / ₈ | 26 | 11 ³ / ₈ | 11 ⁷ / ₈ |

WASH BOX (BAR TYPE) CHAIN



Allied-Locke Wash Box or Bar Type Chain has its primary application in coal preparation plants. This chain provides excellent service even under extensive exposure to the corrosive sulphur content found in wet coal washers. Standard male and female links with 2½ inch high side bars and 1 inch diameter T-Head pins are furnished. Special links can be specified for uses where take-up is limited and removing a pitch is advisable. This chain is also produced in a heavy-duty configuration which increases the chain height to 3 inches and the pin diameter to 1¼ inches for wash box uses requiring extra strength.



TYPE A



TYPE B

| CHAIN NO. | TYPE | PITCH IN INCHES A | AVER. WEIGHT PER FT. IN LBS. | AVERAGE ULTIMATE STRENGTH IN LBS. | RECOM. WORKING LOAD IN LBS. | DIMENSIONS IN INCHES | | | | | | | |
|-----------|------|-------------------|------------------------------|-----------------------------------|-----------------------------|----------------------|---------------|------------|----------------|-----------------|---|---|-----|
| | | | | | | BAR WIDTH B | BAR THICKN. C | PIN DIA. D | PIN END TO C E | PIN HEAD TO C F | G | H | J |
| 5310 | A | 6.00 | 13.4 | 66,800 | 11,100 | 2½ | 15/16 | 1 1/8 | 1 3/8 | 1 3/8 | — | — | — |
| 5330 | A | 8.00 | 8.7 | 67,800 | 11,300 | 2 | 15/16 | 7/8 | 1 3/8 | 1 3/8 | — | — | — |
| 5350 | A | 10.31 | 8.5 | 102,400 | 12,100 | 2¼ | 1¼ | 7/8† | 1 9/16 | 1 25/32 | — | — | — |
| 5370 | A | 12.00 | 7.6 | 91,100 | 15,200 | 2 | 15/16 | 7/8 | 1 3/8 | 1 3/8 | — | — | — |
| 5374 | A | 12.00 | 8.9 | 90,600 | 15,100 | 2½ | 15/16 | 1 | 1 | 1 3/8 | 4 | 4 | 5/8 |
| 5378 | A | 12.00 | 12.4 | 105,800 | 17,600 | 3 | 1 | 1¼ | 1 | 1 3/8 | 4 | 4 | 3/4 |
| 5410 | B | 12.00 | 9.6 | 115,300 | 19,200 | 2½ | 15/16 | 1 | 1 | 1 5/8 | — | — | — |
| 5430 | B | 12.25 | 11.2 | 105,800 | 17,600 | 2½ | 1¼ | 1¼ | 1 9/16 | 1 19/32 | — | — | — |

‡Bolt diameter

†Available in 1" pin diameter

*Available in 3/4" and 1" diameters

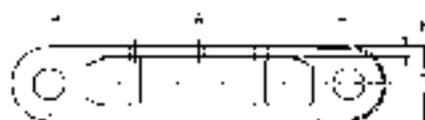
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WASH BOX (BAR TYPE) CHAIN ATTACHMENTS

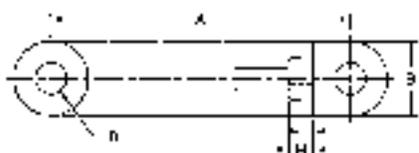
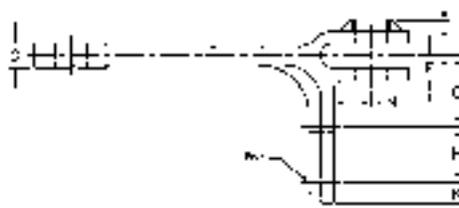
K AND S ATTACHMENTS

Note: Right hand shown



K ATTACHMENT

| STYLE | PITCH IN INCHES A | WT. PER LINK IN LBS. | B | C | D | E | F |
|-------|----------------------------|-------------------------------|-------|--------|-------|--------|--------|
| K* | 12.000 | 13.1 | 2 1/2 | 1 5/16 | 1 | 1 | 1 5/16 |
| S | 12.250 | 13.2 | 2 1/2 | 1 1/4 | 1 1/4 | 1 3/32 | 1 9/32 |



S ATTACHMENT

| STYLE | G | H | J | K | L | M | N |
|-------|-------|-------|-----|-------|--------|-------|-------|
| K* | 3 1/2 | 2 1/2 | 1/2 | 2 1/2 | 1 1/32 | 1 1/2 | 3/8 |
| S | 2 7/8 | 2 1/4 | 1/2 | 3/8 | 1/2 | 1 | 1 1/2 |

*Also available in left hand

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Fax: 800-462-3130

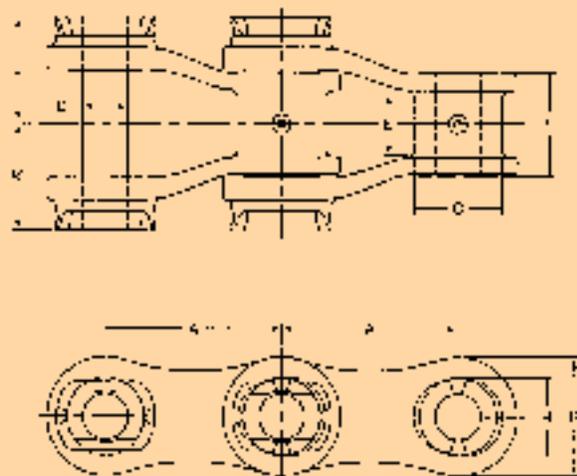
Local:
Phone: 815-288-1471
Fax: 815-288-7945

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BARKING DRUM CHAIN



Allied-Locke Barking Drum Chain has proven its ability to provide longer chain life, reduced downtime and smooth operation, whether suspended or used as drive chain on trunnion mounted drums. This chain features a double cotter design which provides an extra measure of protection in case of pin breakage. Allied-Locke has also developed a unique flanged idler for use with this chain which assures proper alignment of the chain and extends its service life.



| CHAIN NO. | PITCH IN INCHES A | AVER. WEIGHT PER FT. IN LBS. | AVERAGE ULTIMATE STRENGTH IN LBS. | RECOM. WORKING LOAD IN LBS. | DIMENSIONS IN INCHES | | | | | | | | |
|-----------|----------------------|------------------------------|-----------------------------------|-----------------------------|----------------------|------------------------|---------------|------------------------|-------------|------------|-------------|-------------------|--------------------|
| | | | | | SIDE BAR WIDTH B | SIDE BAR THICKEN. C | PIN DIA. D | MAX SPROKT. WIDTH E | BARREL SIZE | | | PIN END TO C J | PIN HEAD TO C K |
| | | | | | | | | | LENGTH F | WIDTH G | HEIGHT H | | |
| 2210 | 6.000 | 28.6 | 223,900 | 12,700 | 3 1/2 | 5/8 | 1 1/4 | 1 3/4 | 3 3/8 | 2 7/32 | 2 | 3 5/16 | 3 9/16 |
| 2220 | 6.000 | 35.6 | 238,800 | 15,800 | 4 | 5/8 | 1 1/2 | 1 3/4 | 3 1/2 | 3 | 2 5/8 | 3 3/8 | 3 5/8 |
| 2260 | 7.000 | 38.4 | 278,000 | 21,300 | 4 | 3/4 | 1 5/8 | 2 1/4 | 4 3/8 | 3 | 2 5/8 | 3 13/16 | 4 1/16 |

Allied-Locke Industries Inc.

... chain - sprockets - buckets

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Cast Steel Long Link Chain

Maximum Strength . . .

Cast Alloy and Cast 11%-14% Manganese Steel Long Link Chain designs provide longer chain life and smooth operation with reduced down time in Log Conveyor Applications. Cast Manganese Steel withstands the severe impact loading which occurs in Log Handling Applications.

Excellent Wear Resistance . . .

The work hardening ability of Cast Manganese Steel provides excellent wear resistance against abrasion as well as joint wear due to chain flexing. Alloy, Carbon and Stainless Steels are also available.

Integral Cast Flights . . .

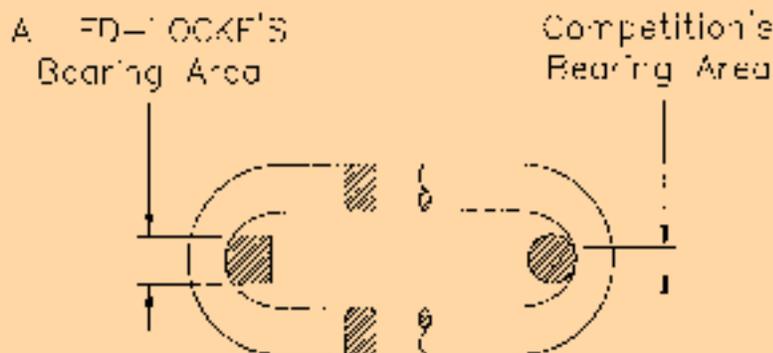
Flights and Links are integral cast as one single piece. Single-piece construction affords greater integrity than welded/fabricated chain designs and prevents structural problems associated with the high temperatures generated when welding flights to links.

Greater Cross Section Area . . .

Allied-Locke's Round-Square Link design provides maximum bearing and tensile strength area between links and approximately 19% more steel than round link chain.

CAST STEEL LONG LINK CHAIN

For "Jack Ladder" and Log Haul Conveyor Applications



ALLIED-LOCKE'S Round-Square design provides maximum bearing area as contrasted with single-point-contact of ordinary chain. With the Round-Square design, there is no initial period of rapid wear while the links seat themselves and the links have a greater wear resistance to impact, shock and abrasive wear.



ALLIED-LOCKE'S Round-Square design has 19% greater cross section area than round link chain.

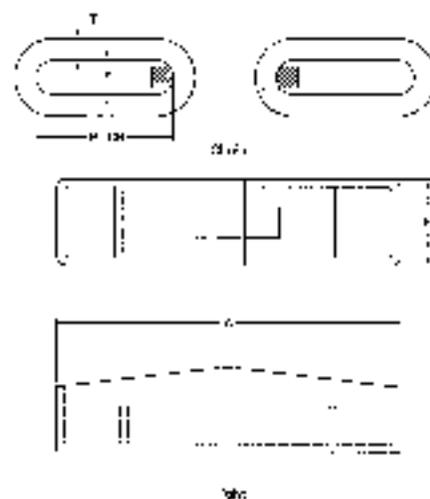
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CAST STEEL LONG LINK CHAIN



CHAIN DATA

| CHAIN SIZE | | | MAXIMUM WORKING LOAD LBS. | WEIGHT PER FT. LBS. |
|-------------------------------|-------------------------------|-------|------------------------------------|------------------------------|
| T | S | PITCH | | |
| 1 | 1 ³ / ₄ | 6 | 20,000 | 9.5 |
| 1 ¹ / ₈ | 2 | 6 | 25,000 | 12.5 |
| 1 ¹ / ₄ | 2 | 6 | 30,000 | 16.0 |
| 1 ¹ / ₄ | 2 | 7 | 30,000 | 18.0 |
| 1 ¹ / ₄ | 2 | 8 | 30,000 | 14.0 |
| 1 ¹ / ₂ | 2 ¹ / ₄ | 7 | 43,000 | 22.0 |
| 1 ¹ / ₂ | 2 ¹ / ₄ | 8 | 43,000 | 20.0 |
| 1 ¹ / ₄ | 2 ¹ / ₂ | 8 | 58,000 | 28.5 |
| 1 ¹ / ₄ | 1 | 10 | 58,000 | 27.0 |
| 2 | 2 ¹ / ₄ | 10 | 75,000 | 40.0 |



FLIGHT DIMENSIONS (INCHES) AND WEIGHTS (LBS.)

| CHAIN SIZE | A | F | WGT. LBS. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|--------------|
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 14 | 5 | 30 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 16 | 5 | 32 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 18 | 5 | 34 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 20 | 5 | 36 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 22 | 5 | 40 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 24 | 5 | 43 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 26 | 5 | 46 |

| CHAIN SIZE | A | F | WGT. LBS. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------|--------------|
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 28 | 5 | 49 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 30 | 5 | 52 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 32 | 5 | 55 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 34 | 5 | 59 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 36 | 5 | 63 |
| 1 ¹ / ₈ × 2 × 6 1 ¹ / ₄ × 2 × 6 1 ¹ / ₄ × 2 × 7 1 ¹ / ₄ × 2 × 8 | 42 | 5 | 68 |
| 1 ¹ / ₂ × 2 ¹ / ₄ × 7 | 36 | 6 ¹ / ₄ | 93 |
| 1 ³ / ₄ × 2 ¹ / ₂ × 8 | 42 | 7 | 108 |

NOTE: Dimensions subject to change. Certified dimensions of ordered material furnished on request

Barking Drum Chain, Combination Chain,
Drag Chain, Sprockets, Tail and Take-up
Wheels are available per your specifica-
tion.

Allied-Locke Industries Inc.

... reach for the star of quality

www.alliedlocke.com



CHAIN SPROCKETS AND TRACTION WHEELS

Allied-Locke manufactures a variety of sprockets, traction wheels, plus idlers and rollers, for use with Allied-Locke chains. Cast from the same high quality manganese steel formula as is used in Allied-Locke chain, Allied-Locke sprockets and traction wheels offer the advantages of compatibility, work hardening and a service life appreciably longer than cast iron or steel. All Allied-Locke sprockets and traction wheels have machined bores with both sides fully faced. Keyways and/or set screws are provided according to customer specifications or to standard sizes. When special needs require them, flanges, recessed or non-recessed, can be integrally cast on either or both sides of sprockets and traction wheels and offer better chain support, prolonged chain life and more positive chain alignment.

In addition to a complete line of solid, one-piece sprockets and traction wheels, Allied-Locke engineers have developed segmental rim sprockets and traction wheels with renewable teeth or pads. Teeth or pads can be replaced quickly and efficiently without removing the chain or the sprocket or wheel center; a feature which can result in significant time and cost savings. Both Allied-Locke solid cast and segmental rim sprockets and traction wheels are available with split hubs which facilitate installation and replacement.

Specifications for all Allied-Locke sprockets, traction wheels, idlers and rollers can be found on the pages immediately following.

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Fax: 815-288-7945

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SPROCKETS



Note: Suffix S in Chain No. column indicates steel side bar

CAST SOLID SPROCKETS

| CHAIN NO. | NO. OF TEETH | PITCH DIA. | BORE DIAMETER | | HUB SIZE | | WEIGHT IN LBS. |
|-----------|--------------|------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------|-------------------------------|
| | | | MAX. | MIN. | MAX DIA. | MAX LENGTH | |
| SD-21 | 6 | 18.00 | 5 ¹ / ₄ | 3 ³ / ₄ | 7 ¹ / ₂ | 8 | 105 |
| | 8 | 23.52 | 5 ¹⁵ / ₁₆ | 2 ¹⁵ / ₁₆ | 9 | 10 | 500 |
| | 9 | 26.31 | 6 ¹⁵ / ₁₆ | 3 ⁷ / ₁₆ | 10 | 10 | 550 |
| SD-27 | 8 | 23.52 | 4 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 7 ¹ / ₂ | 5 | 230 |
| | C-110S | 8 | 15.08 | 2 ¹ / ₂ | 2 | 4 ³ / ₄ | 4 ⁷ / ₈ |
| | | 11 | 21.30 | 2 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 5 ¹ / ₄ | 5 |
| H-110 | 6 | 12.00 | 2 ¹ / ₂ | 2 ¹ / ₈ | 4 ¹ / ₂ | 5 | 105 |
| C-111S | 12 | 18.39 | 5 ¹ / ₄ | 2 ³ / ₄ | 7 ¹ / ₂ | 5 | 116 |
| H-113 | 6 | 12.00 | 2 ¹ / ₂ | 2 ¹ / ₈ | 4 ¹ / ₂ | 5 | 105 |
| H-122 | 6 | 16.00 | 3 ⁷ / ₁₆ | 2 ⁷ / ₁₆ | 6 | 5 ¹ / ₄ | 246 |
| C-131 | } 8 | 8.00 | 2 ⁷ / ₁₆ | 1 ¹⁵ / ₁₆ | 3 ¹⁵ / ₁₆ | 4 | 26 |
| C-131S | | 10 | 9.99 | 2 ⁷ / ₁₆ | 1 ¹⁵ / ₁₆ | 5 | 4 |
| | 12 | 11.88 | 2 ¹ / ₂ | 2 | 4 ¹ / ₈ | 4 | 39 |
| | 14 | 13.79 | 3 ¹⁵ / ₁₆ | 2 ¹ / ₂ | 5 ¹⁵ / ₁₆ | 6 | 50 |
| | 15 | 14.76 | 3 ⁷ / ₁₆ | 1 ¹⁵ / ₁₆ | 5 ³ / ₄ | 5 | 58 |
| | 16 | 15.75 | 3 ³ / ₄ | 3 ¹ / ₄ | 6 | 6 | 65 |
| | 24 | 23.57 | 2 ¹ / ₂ | 2 | 4 ¹ / ₈ | 4 | 70 |
| C-132 | } 8 | 15.81 | 3 ¹ / ₄ | 2 ³ / ₄ | 6 ¹ / ₄ | 6 ¹ / ₂ | 117 |
| C-132S | | 13 | 25.28 | 5 ¹ / ₂ | 2 ³ / ₄ | 8 | 7 ¹ / ₂ |
| H-480 | 6 | 16.00 | 3 ⁷ / ₁₆ | 2 ⁷ / ₁₆ | 6 | 5 ¹ / ₄ | 246 |
| 678 | 5 | 19.42 | 4 ⁷ / ₁₆ | 2 ¹⁵ / ₁₆ | 6 ¹ / ₂ | 6 | 98 |
| 698 | 7 | 26.96 | 5 ³ / ₄ | 5 ¹ / ₄ | 8 ¹ / ₂ | 10 | 275 |
| 844LD | } 12 | 23.18 | 2 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 5 ¹ / ₂ | 7 | 146 |
| 844MD | | 15 | 28.86 | 2 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 5 ¹ / ₂ | 4 |
| | 17 | 32.66 | 2 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 5 ¹ / ₂ | 4 | 230 |
| 844RD | 13 | 25.07 | 2 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 5 ¹ / ₂ | 5 ¹ / ₄ | 173 |
| 856 | 12 | 23.18 | 4 ¹⁵ / ₁₆ | 4 ⁷ / ₁₆ | 8 | 6 | 125 |
| 1934 | 8 | 15.08 | 3 ⁷ / ₁₆ | 2 ¹⁵ / ₁₆ | 5 ¹ / ₂ | 5 ¹ / ₂ | 100 |
| | 9 | 17.56 | 3 ⁷ / ₁₆ | 2 ¹⁵ / ₁₆ | 5 ¹ / ₂ | 5 ¹ / ₂ | 118 |
| | 10 | 19.42 | 5 ¹ / ₄ | 2 ¹⁵ / ₁₆ | 7 ¹ / ₂ | 6 | 166 |
| 1932 | 9 | 26.31 | 4 ³ / ₄ | 2 ³ / ₄ | 7 | 6 | 185 |
| 1933 | 7 | 13.83 | 3 ¹ / ₈ | 2 ³ / ₄ | 5 ¹ / ₄ | 5 ¹ / ₂ | 85 |
| | 8 | 23.52 | 7 ³ / ₄ | 5 ¹ / ₄ | 10 ¹ / ₂ | 8 | 490 |
| | 10 | 19.42 | 4 ¹ / ₄ | 3 ³ / ₄ | 6 ¹ / ₂ | 6 | 130 |
| 1935 | 8 | 23.52 | 5 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 9 | 7 ¹ / ₂ | 320 |
| | 9 | 26.31 | 6 ³ / ₄ | 3 ¹ / ₄ | 9 ¹ / ₂ | 8 | 425 |
| | 10 | 29.12 | 4 ¹ / ₄ | 3 ¹ / ₄ | 7 ¹ / ₂ | 7 | 400 |
| 1938 | 8 | 23.52 | 5 ¹⁵ / ₁₆ | 2 ⁷ / ₁₆ | 9 | 7 ¹ / ₂ | 320 |
| | 9 | 26.31 | 6 ³ / ₄ | 3 ¹ / ₄ | 9 ¹ / ₂ | 8 | 425 |
| | 10 | 29.12 | 4 ¹ / ₄ | 3 ¹ / ₄ | 7 ¹ / ₂ | 7 | 400 |
| 1960 | 9 | 26.31 | 7 ³ / ₄ | 2 ¹⁵ / ₁₆ | 10 ¹ / ₂ | 8 | 510 |
| | 11 | 31.94 | 6 ¹ / ₄ | 3 ¹⁵ / ₁₆ | 8 ¹ / ₂ | 8 | 570 |
| 1962 | 8 | 23.52 | 7 ¹ / ₂ | 2 ¹⁵ / ₁₆ | 10 | 10 | 558 |
| | 9 | 26.31 | 8 ¹ / ₄ | 2 ³ / ₄ | 10 ¹ / ₂ | 10 | 580 |
| 1964 | 8 | 23.52 | 7 ¹ / ₂ | 2 ¹⁵ / ₁₆ | 10 | 10 | 558 |
| | 9 | 26.31 | 8 ¹ / ₄ | 2 ³ / ₄ | 10 ¹ / ₂ | 10 | 580 |
| 1965 | 8 | 23.52 | 7 ¹ / ₂ | 2 ¹⁵ / ₁₆ | 10 | 10 | 558 |
| | 9 | 26.31 | 8 ¹ / ₄ | 2 ³ / ₄ | 10 ¹ / ₂ | 10 | 580 |
| 1967 | 8 | 23.52 | 7 ¹ / ₂ | 2 ¹⁵ / ₁₆ | 10 | 10 | 558 |
| | 9 | 26.31 | 8 ¹ / ₄ | 2 ³ / ₄ | 10 ¹ / ₂ | 10 | 580 |
| 1972* | 9 | 35.12 | 10 ¹ / ₄ | 3 ³ / ₄ | 11 ¹ / ₂ | 6 | 490 |
| 1976* | 9 | 35.12 | 10 ¹ / ₄ | 3 ³ / ₄ | 11 ¹ / ₂ | 6 | 490 |
| 2210 | 15 | 28.87 | 4 ¹⁵ / ₁₆ | 4 ⁷ / ₁₆ | 8 | 7 | 265 |

*Pair of sprockets required per strand mounted on each shaft.

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SPROCKETS

CAST SPLIT SPROCKETS

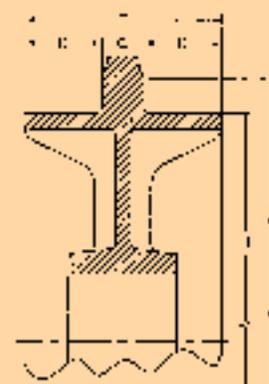
Note: Suffix S in Chain No. column indicates steel side bar

| CHAIN NO. | NO. OF TEETH | PITCH DIA. | BORE DIAMETER | | HUB SIZE | | WEIGHT IN LBS. |
|-----------|--------------|------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|
| | | | MAX. | MIN. | MAX DIA. | MAX LENGTH | |
| C-110S | 10 | 30.75 | 3 ³ / ₄ | 3 ¹ / ₄ | 6 | 6 | 135 |
| C-111S | 12 | 18.39 | 4 ³ / ₄ | 4 ¹ / ₄ | 7 ¹ / ₂ | 7 | 195 |
| C-132S | 13 | 25.28 | 4 ¹ / ₂ | 3 ¹ / ₄ | 7 | 7 | 195 |
| | 14 | 27.19 | 5 | 3 ³ / ₄ | 7 | 7 | 290 |
| | 16 | 31.00 | 4 ³ / ₄ | 4 ¹ / ₄ | 7 | 8 | 285 |
| | 18 | 34.84 | 6 ³ / ₄ | 4 ³ / ₄ | 9 ¹ / ₂ | 9 ¹ / ₂ | 490 |
| | 14 | 27.19 | 5 | 3 ³ / ₄ | 7 | 7 | 290 |
| | 16 | 31.00 | 4 ³ / ₄ | 4 ¹ / ₄ | 7 | 8 | 285 |
| 844LD | 12 | 23.18 | 3 | 2 ¹ / ₂ | 5 ¹ / ₂ | 6 | 176 |
| 844SD | 16 | 30.75 | 7 | 3 ¹ / ₄ | 10 | 8 | 320 |
| 844HD | 12 | 23.18 | 3 ¹ / ₂ | 2 ¹ / ₄ | 6 | 6 | 168 |

CAST FLANGED SPROCKETS

Note: Suffix S in Chain No. column indicates steel side bar

| CHAIN NO. | NO. OF TEETH | PITCH DIA. A | BORE DIAMETER | | HUB SIZE | | B | C | D | E | WEIGHT IN LBS. |
|-----------|--------------|--------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|-------------------------------|--------------------------------|--------------------------------|----------------|
| | | | MAX. | MIN. | MAX DIA. | MAX LENGTH | | | | | |
| C-111S | 12 | 18.39 | 4 ³ / ₄ | 4 ¹ / ₄ | 7 | 7 ¹ / ₂ | 16 | 2 ¹ / ₄ | 2 ³ / ₈ | 7 | 162 |
| C-132S | 13 | 19.88 | 4 ¹ / ₄ | 3 ³ / ₄ | 6 ¹ / ₂ | 7 ³ / ₈ | 17 | 2 ³ / ₈ | 2 ¹ / ₁₆ | 7 ¹ / ₄ | 181 |
| | 12 | 23.38 | 5 | 3 ¹ / ₄ | 7 ¹ / ₂ | 6 | 20 ⁹ / ₁₆ | 3 | 2 ¹ / ₄ | 7 ¹ / ₂ | 317 |
| | 12 | 23.38 | 6 ¹ / ₄ | 4 ³ / ₄ | 8 ¹ / ₂ | 8 | 19 ¹ / ₂ | 2 ⁷ / ₈ | 7 ⁹ / ₁₆ | 18 | 590 |
| | 16 | 31.01 | 4 ¹ / ₄ | 3 ³ / ₄ | 7 ¹ / ₂ | 8 | 28 ⁷ / ₁₆ | 3 | 1 ¹ / ₄ | 5 ¹ / ₂ | 345 |
| | 18 | 34.84 | 6 ¹ / ₄ | 5 ³ / ₄ | 8 ¹ / ₂ | 8 | 31 ³ / ₈ | 2 ⁷ / ₈ | 7 ⁹ / ₁₆ | 18 | 700 |
| | 12 | 23.38 | 6 ¹ / ₄ | 4 ³ / ₄ | 8 ¹ / ₂ | 8 | 19 ¹ / ₂ | 2 ⁷ / ₈ | 7 ⁹ / ₁₆ | 18 | 590 |
| | 16 | 31.01 | 4 ¹ / ₄ | 3 ³ / ₄ | 7 ¹ / ₂ | 8 | 28 ⁷ / ₁₆ | 3 | 1 ¹ / ₄ | 5 ¹ / ₂ | 345 |
| | 18 | 34.84 | 6 ¹ / ₄ | 5 ³ / ₄ | 8 ¹ / ₂ | 8 | 31 ³ / ₈ | 2 ⁷ / ₈ | 7 ⁹ / ₁₆ | 18 | 700 |
| 1953 | 8 | 23.92 | 7 ¹ / ₂ | 5 ¹ / ₂ | 10 ¹ / ₂ | 8 | 19 ¹ / ₄ | 4 ¹ / ₂ | 4 | 12 ¹ / ₂ | 570 |



CAST FLANGED RECESSED SPROCKETS

Note: Suffix S in Chain No. column indicates steel side bar

| CHAIN NO. | NO. OF TEETH | PITCH DIA. A | BORE DIAMETER | | HUB SIZE | | B | C | D | E | WEIGHT IN LBS. |
|-----------|--------------|--------------|-------------------------------|-------------------------------|----------|------------|---------------------------------|-------------------------------|-------------------------------|----|----------------|
| | | | MAX. | MIN. | MAX DIA. | MAX LENGTH | | | | | |
| C-111S | 16 | 24.39 | 4 ¹ / ₄ | 2 ³ / ₄ | 8 | 5 | 25 ⁷ / ₁₆ | 2 ¹ / ₄ | 6 ³ / ₈ | 16 | 460 |



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SPROCKETS



CAST SEGMENTAL SPROCKET RIMS

Note: (1) Suffix S in Chain No. column indicates steel side bar
(2) Suffix S in Hub No. column indicates split hub

| CHAIN NO. | NO. OF TEETH | PITCH DIA. IN INCHES | TOOTH FACE WIDTH | FITS HUB NO. | WEIGHT IN LBS. |
|-----------|--------------|----------------------|------------------|------------------|----------------|
| C-102-B | 8 | 10.45 | 1 $\frac{3}{4}$ | 2 | 18 |
| | 12 | 15.45 | 1 $\frac{3}{4}$ | 9 | 30 |
| | 16 | 20.50 | 1 $\frac{3}{4}$ | 22 | 52 |
| | 19 | 24.31 | 1 $\frac{3}{4}$ | 33 | 82 |
| C-110S | 9 | 17.54 | 2 | 10 | 60 |
| | 12 | 23.18 | 1 $\frac{7}{8}$ | 27 | 98 |
| | 13 | 25.06 | 2 | 32 | 87 |
| | 16 | 30.75 | 1 $\frac{3}{4}$ | 42 | 136 |
| C-111S | 12 | 18.39 | 2 $\frac{1}{4}$ | 13 | 65 |
| | 13 | 19.88 | 2 $\frac{1}{4}$ | 18 | 57 |
| | 15 | 22.85 | 2 $\frac{1}{4}$ | 26 | 80 |
| C-131S | 16 | 24.40 | 2 $\frac{1}{4}$ | 29 | 84 |
| | 30 | 29.42 | 1 $\frac{1}{2}$ | 40 | 105 |
| C-132S | 9 | 17.69 | 3 | 10 | 60 |
| | 13 | 25.31 | 2 $\frac{3}{4}$ | 30 | 106 |
| | 14 | 27.19 | 3 | 36 & 36S | 136 |
| | 16 | 31.01 | 3 | 42 | 146 |
| | 18 | 34.84 | 3 | 46 | 162 |
| | 458 | 4 | 10.53 | 7 $\frac{8}{16}$ | 1 |
| 468 | 5 | 13.05 | 7 $\frac{8}{16}$ | 3 | 19 |
| | 6 | 15.58 | 7 $\frac{8}{16}$ | 7 | 30 |
| | 8 | 20.66 | 7 $\frac{8}{16}$ | 18 | 54 |
| 468 | 6 | 15.58 | 1 $\frac{3}{8}$ | 5 | 45 |
| | 9 | 23.21 | 1 $\frac{1}{4}$ | 26 | 69 |
| 678 | 4 | 15.76 | 1 $\frac{1}{8}$ | 5 | 36 |
| | 5 | 19.52 | 1 $\frac{1}{8}$ | 13 | 53 |
| | 6 | 23.30 | 1 $\frac{1}{16}$ | 24 & 24S | 60 |
| | 7 | 27.10 | 1 $\frac{1}{8}$ | 35 | 74 |
| | 8 | 30.91 | 1 $\frac{1}{8}$ | 41 | 105 |
| | 8 | 30.91 | 1 $\frac{1}{8}$ | 40 | 88 |
| | 10 | 38.55 | 1 $\frac{1}{8}$ | 50 | 110 |
| | 098 | 5 | 19.52 | 1 $\frac{3}{8}$ | 11 & 11S |
| 098 | 6 | 23.30 | 1 $\frac{1}{8}$ | 23 & 23S | 66 |
| | 8 | 30.91 | 1 $\frac{1}{8}$ | 40 | 88 |
| | 9 | 34.73 | 1 $\frac{1}{4}$ | 45 | 100 |

| CHAIN NO. | NO. OF TEETH | PITCH DIA. IN INCHES | TOOTH FACE WIDTH | FITS HUB NO. | WEIGHT IN LBS. |
|-----------|--------------|----------------------|------------------|--------------|----------------|
| 908 | 4 | 23.60 | 1 $\frac{3}{8}$ | 19 & 19S | 98 |
| | 5 | 29.23 | 1 $\frac{3}{8}$ | 36 & 36S | 135 |
| | 6 | 34.90 | 1 $\frac{3}{8}$ | 44 | 156 |
| | 7 | 40.59 | 1 $\frac{3}{8}$ | 51 | 196 |
| | 8 | 46.29 | 1 $\frac{3}{8}$ | 53 | 240 |
| | 12 | 15.45 | 1 | 9 | 36 |
| | 13 | 16.71 | 1 | 12 | 20 |
| | 19 | 24.30 | 1 | 34 | 35.5 |
| | 16 | 20.50 | 1 $\frac{1}{4}$ | 18 | 44 |
| | 12 | 23.18 | 1 $\frac{1}{4}$ | 25 | 62 |
| | 12 | 23.18 | 1 $\frac{1}{4}$ | 16S | 92 |
| | 13 | 25.07 | 1 $\frac{1}{4}$ | 30 | 57 |
| | 9 | 17.54 | 2 $\frac{1}{4}$ | 10 | 57 |
| 10 | 19.41 | 2 $\frac{1}{4}$ | 15 & 15S | 95 | |
| 12 | 23.18 | 2 $\frac{1}{4}$ | 25 | 96 | |
| 13 | 25.07 | 2 $\frac{1}{4}$ | 30 | 87 | |
| 15 | 28.86 | 2 $\frac{1}{4}$ | 35 | 120 | |
| 15 | 28.86 | 2 $\frac{1}{4}$ | 37 | 100 | |
| 16 | 30.75 | 2 $\frac{1}{4}$ | 42 | 140 | |
| 844RD | 8 | 15.37 | 2 $\frac{1}{4}$ | 6 | 48 |
| | 9 | 17.54 | 2 $\frac{1}{4}$ | 10 | 51 |
| | 13 | 25.07 | 2 $\frac{1}{4}$ | 30 | 83 |
| 844HD | 16 | 30.75 | 2 $\frac{1}{4}$ | 42 | 168 |
| | 19 | 36.45 | 2 $\frac{1}{4}$ | 48 | 162 |
| | 10 | 19.41 | 2 $\frac{1}{4}$ | 15 & 15S | 95 |
| | 11 | 21.29 | 2 $\frac{1}{4}$ | 20 | 65 |
| | 12 | 23.18 | 2 $\frac{1}{4}$ | 25 | 94 |
| | 13 | 25.07 | 2 $\frac{1}{4}$ | 30 | 83 |
| | 15 | 28.86 | 2 $\frac{1}{4}$ | 37 | 100 |
| | 16 | 30.75 | 2 $\frac{1}{4}$ | 42 | 168 |
| | 21 | 40.26 | 2 $\frac{1}{4}$ | 52 | 161 |
| | 13 | 25.38 | 2 $\frac{3}{4}$ | 30 | 99 |
| 15 | 29.22 | 2 $\frac{3}{4}$ | 38 | 105 | |
| 864 | 12 | 27.05 | 3 | 31 | 132 |
| | 15 | 33.67 | 2 $\frac{3}{4}$ | 43 | 375 |
| 9374 | 6 | 24.00 | 2 $\frac{3}{16}$ | 61 | 60 |
| 9410 | 6 | 24.00 | 2 $\frac{3}{16}$ | 61 | 60 |
| 9430 | 8 | 32.01 | 1 $\frac{1}{16}$ | 39 | 108 |

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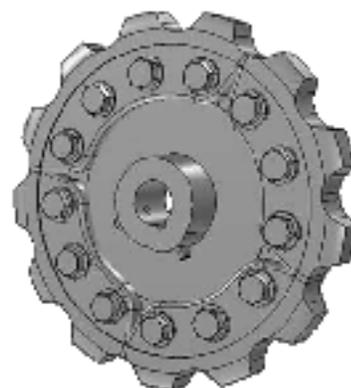
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TRACTION WHEELS

CAST SOLID TRACTION WHEELS

| CHAIN NO. | O.D. IN INCHES | FACE WIDTH IN INCHES | BORE DIAMETER | | HUB SIZE | | WEIGHT IN LBS. |
|-----------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------|----------------|
| | | | MAX. | MIN. | MAX. DIA. | MAX. LENGTH | |
| 2210 | 26 ³ / ₄ | 2 ¹ / ₈ | 4 ¹ / ₄ | 3 ¹ / ₂ | 6 ¹ / ₂ | 7 | 245 |
| 2220 | 26 ³ / ₄ | 2 ¹ / ₈ | 4 ¹ / ₄ | 3 ¹ / ₂ | 6 ¹ / ₂ | 7 | 245 |
| 2260 | 26 ³ / ₄ | 2 ¹ / ₈ | 4 ¹ / ₄ | 3 ¹ / ₂ | 6 ¹ / ₂ | 7 | 245 |

CAST SPLIT TRACTION WHEELS

| CHAIN NO. | O.D. IN INCHES | FACE WIDTH IN INCHES | BORE DIAMETER | | HUB SIZE | | WEIGHT IN LBS. |
|-----------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|----------------|
| | | | MAX. | MIN. | MAX. DIA. | MAX. LENGTH | |
| 132 | 27 ³ / ₄ | 3 | 2 ⁵ / ₁₆ | 2 ⁷ / ₁₆ | 5 ³ / ₄ | 6 ¹ / ₂ | 210 |
| 844 | 26 | 2 ³ / ₁₆ | 6 ¹ / ₂ | 5 ¹⁵ / ₁₆ | 9 | 8 ¹ / ₂ | 245 |
| | 29 | 2 ³ / ₁₆ | 3 ¹⁵ / ₁₆ | 3 ⁷ / ₁₆ | 6 ⁷ / ₁₆ | 6 | 285 |
| | 27.10 | 2 ³ / ₁₆ | 4 ¹⁵ / ₁₆ | 4 ⁷ / ₁₆ | 8 | 7 | 273 |
| 2210 | 27 ¹ / ₂ | 2 | 4 | 3 ⁷ / ₁₆ | 6 ¹ / ₂ | 7 | 195 |
| 2220 | 27 ¹ / ₂ | 2 | 4 | 3 ⁷ / ₁₆ | 6 ¹ / ₂ | 7 | 195 |
| 2260 | 27 ¹ / ₂ | 2 | 4 | 3 ⁷ / ₁₆ | 6 ¹ / ₂ | 7 | 195 |

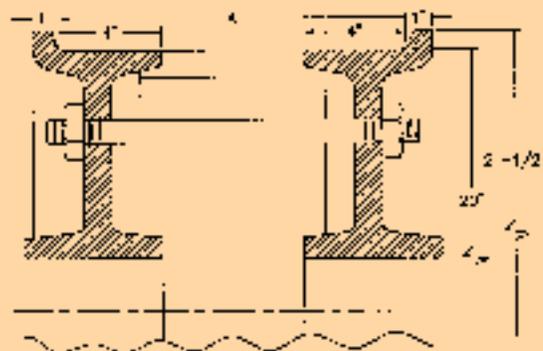
CAST FLANGED TRACTION WHEELS

| CHAIN NO. | O.D. IN INCHES | FLANGE WIDTH IN INCHES | FACE WIDTH IN INCHES | BORE DIAMETER | | HUB SIZE | | WEIGHT IN LBS. |
|-----------|--------------------------------|-------------------------------|----------------------|-------------------------------|-------------------------------|-------------------------------|-------------|----------------|
| | | | | MAX. | MIN. | MAX. DIA. | MAX. LENGTH | |
| 2210 | 26 ³ / ₄ | 5 ¹ / ₄ | 2 | 4 ¹ / ₄ | 3 ¹ / ₄ | 6 ¹ / ₂ | 7 | 290 |
| 2220 | 26 ³ / ₄ | 5 ¹ / ₄ | 2 | 4 ¹ / ₄ | 3 ¹ / ₄ | 6 ¹ / ₂ | 7 | 290 |
| 2260 | 26 ³ / ₄ | 5 ¹ / ₄ | 2 | 4 ¹ / ₄ | 3 ¹ / ₄ | 6 ¹ / ₂ | 7 | 290 |

DOUBLE FLANGED DRUM TRACTION WHEELS

Tread width A available in the following sizes: 13¹/₂", 14¹/₂", 15³/₄", 17", 17³/₄", 19³/₄", 21³/₄", 26", and 28".

Bore sizes available: 2⁷/₁₆" minimum to 5¹⁵/₁₆" maximum.



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TRACTION WHEELS



CAST SEGMENTAL TRACTION WHEEL RIMS

Note: (1) Suffix S in Chain No. column indicates steel side bar
(2) Suffix S in Hub No. column indicates split hub

| CHAIN NO. | O.D. IN INCHES | FACE WIDTH IN INCHES | FITS HUB NO. | WEIGHT IN LBS. |
|-----------|---------------------|----------------------|--------------|----------------|
| C-110S | 23 ^{13/16} | 2 | 32 | 74 |
| C-111S | 20 | 2 ^{3/8} | 23 & 23S | 60 |
| | 28 ^{3/16} | 2 ^{1/4} | 40 | 108 |
| C-132S | 17 ^{13/16} | 3 | 15 | 65 |
| | 21 ^{5/8} | 3 | 25 | 92 |
| | 29 ^{1/4} | 3 | 42 | 120 |
| | 33 ^{1/2} | 3 | 46 | 138 |
| | 37 ^{3/4} | 3 | 52 | 140 |
| | 34 ^{1/2} | 3 | 47 | 108 |
| | 37 ^{3/4} | 3 | 52 | 140 |
| 944LD | 15 | 2 ^{1/4} | 9 | 30 |
| 944RD | 22 | 2 ^{1/4} | 28 | 74 |
| 944SD | 23 | 2 ^{1/4} | 30 | 73 |
| 944HD | 23 ^{13/16} | 2 | 32 | 83 |
| | 30 | 2 ^{1/4} | 55 | 100 |
| | 18 | 2 ^{3/4} | 15 & 15S | 95 |
| | 22 | 2 ^{3/4} | 28 | 80 |
| | 30 | 2 ^{3/4} | 55 | 112 |
| | 36 | 2 ^{3/4} | 49 | 147 |
| 856 | 21 ^{1/2} | 2 ^{5/8} | 24 | 88 |
| 864 | 30 | 3 ^{3/8} | 55 | 132 |



CAST SEGMENTAL TRACTION WHEEL RIMS [OCTAGONAL]

| CHAIN NO. | DISTANCE ACROSS FLATS | FACE WIDTH IN INCHES | FITS HUB NO. | WEIGHT IN LBS. |
|-----------|-----------------------|----------------------|--------------|----------------|
| 5430 | 27 | 2 ^{7/16} | 39 | 108 |

CAST STEEL HUBS [HEXAGONAL]

| HUB NO. | BORE DIAMETER | | MAX HUB LENGTH IN INCHES | DISTANCE ACROSS FLATS | WEIGHT IN LBS. |
|---------|---------------|------|--------------------------|-----------------------|----------------|
| | MAX. | MIN. | | | |
| 61 | 4 | 2 | 7 ^{3/4} | 18 ^{3/4} | 115 |

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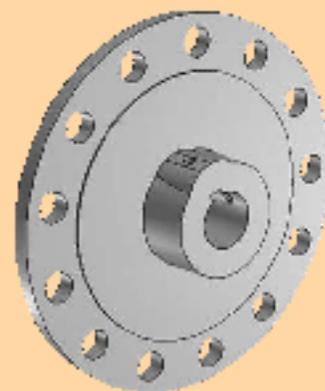


HUBS

| HUB NO. | BORE DIAMETER | | MAX HUB LENGTH IN INCHES | WEIGHT IN LBS. |
|---------|---------------|---------|--------------------------|----------------|
| | MAX. | MIN. | | |
| 1 | 2 3/16 | 1 15/16 | 5 | 21 |
| 2 | 2 3/16 | 1 15/16 | 4 | 19 |
| 3 | 2 3/16 | 1 15/16 | 4 | 24 |
| 4 | 1 15/16 | 1 7/16 | 4 | 23 |
| 5 | 2 3/16 | 3 15/16 | 6 1/2 | 42 |
| 6 | 2 15/16 | 2 15/16 | 8 | 100 |
| 7 | 3 1/4 | 2 1/4 | 5 | 43 |
| 8 | 4 7/16 | 2 15/16 | 6 | 85 |
| 9 | 3 7/16 | 1 7/16 | 4 1/2 | 42 |
| 10 | 4 7/16 | 1 15/16 | 6 | 94 |
| 11 | 2 15/16 | 2 5/16 | 5 1/2 | 40 |
| 11S | 3 15/16 | 3 7/16 | 7 5/8 | 70 |
| 12 | 2 7/16 | 2 3/16 | 4 1/4 | 41 |
| 13 | 4 15/16 | 2 7/16 | 7 | 75 |
| 14 | 5 7/16 | 5 | 9 | 116 |
| 15 | 2 15/16 | 2 3/16 | 5 | 54 |
| 15S | 3 7/16 | 2 15/16 | 6 1/2 | 75 |
| 16S | 2 15/16 | 2 7/16 | 6 1/2 | 85 |
| 17 | 3 | 2 1/4 | 4 3/4 | 68 |
| 18 | 4 7/16 | 2 7/16 | 5 | 78 |
| 19 | 6 15/16 | 2 7/16 | 8 | 110 |
| 19S | 4 1/4 | 3 3/4 | 6 | 146 |
| 20 | 3 1/2 | 2 7/16 | 5 1/2 | 89 |
| 21 | 4 7/16 | 3 15/16 | 6 | 71 |
| 22 | 3 15/16 | 2 7/16 | 6 1/2 | 90 |
| 23 | 5 1/4 | 1 15/16 | 7 1/2 | 125 |
| 23S | 6 | 5 1/2 | 8 | 140 |
| 24 | 6 15/16 | 1 15/16 | 9 | 150 |
| 24S | 3 7/16 | 3 | 5 | 95 |
| 25 | 5 15/16 | 2 7/16 | 8 | 135 |
| 26 | 3 3/4 | 3 1/4 | 5 | 90 |
| 27 | 4 7/16 | 2 15/16 | 7 | 100 |
| 28 | 3 7/16 | 2 15/16 | 5 1/4 | 100 |
| 29 | 4 | 2 15/16 | 5 | 103 |
| 30 | 6 15/16 | 2 7/16 | 10 | 190 |
| 31 | 3 1/2 | 2 15/16 | 7 | 160 |
| 32 | 4 7/16 | 3 7/16 | 7 3/8 | 147 |
| 33 | 3 15/16 | 3 7/16 | 6 1/2 | 120 |
| 34 | 2 15/16 | 2 7/16 | 4 1/4 | 75 |
| 35 | 4 15/16 | 2 15/16 | 6 1/2 | 124 |
| 36 | 6 1/2 | 2 7/16 | 10 | 188 |
| 36S | 8 | 7 3/4 | 10 | 340 |
| 37 | 5 15/16 | 1 7/8 | 10 | 265 |
| 38 | 5 7/16 | 3 7/16 | 7 1/2 | 202 |
| 39 | 6 15/16 | 6 3/4 | 10 | 280 |
| 40 | 4 15/16 | 2 15/16 | 6 | 160 |
| 41 | 4 15/16 | 2 7/16 | 7 1/2 | 183 |
| 42 | 5 15/16 | 1 5/16 | 10 | 238 |
| 43 | 7 1/2 | 2 7/16 | 7 | 200 |
| 44 | 8 | 2 7/16 | 10 | 360 |
| 45 | 6 15/16 | 5 15/16 | 7 | 260 |
| 46 | 6 1/2 | 4 3/4 | 6 | 220 |
| 47 | 5 15/16 | 5 7/16 | 9 | 270 |
| 48 | 6 1/2 | 3 15/16 | 6 1/2 | 280 |
| 49 | 6 | 5 3/4 | 7 | 310 |
| 50 | 5 7/16 | 4 15/16 | 8 | 260 |
| 51 | 5 7/16 | 4 7/16 | 10 | 325 |
| 52 | 5 7/16 | 3 15/16 | 8 | 315 |
| 53 | 5 15/16 | 2 15/16 | 8 | 390 |
| 54 | 3 15/16 | 3 7/16 | 6 | 133 |
| 55 | 7 1/2 | 2 15/16 | 7 | 185 |

CAST SEGMENTAL SPROCKET AND TRACTION WHEEL RIMS

Note: (1) Suffix S in Chain No. column indicates steel side bar



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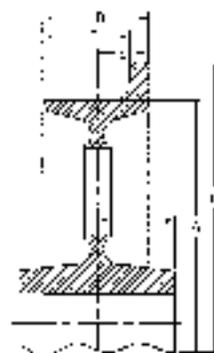
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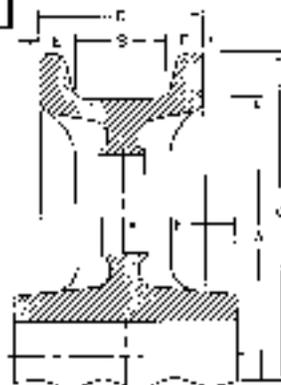
CAST SINGLE FLANGED IDLERS

| CHAIN NO. | BORE DIAMETER | | HUB SIZE | | A | B | C | D | E | F | WEIGHT IN LBS. |
|-----------|---------------|-------|----------|------------|--------|-------|--------|-------|-------|-------|----------------|
| | MAX. | MIN. | MAX DIA. | MAX LENGTH | | | | | | | |
| H-120 | 3 1/4 | 2 1/4 | 5 1/2 | 4 1/2 | 12 | 2 7/8 | 14 | 4 | 2 | 1 1/2 | 78 |
| 078 | 3 1/4 | 2 3/4 | 5 3/4 | 6 | 16 1/2 | 2 1/2 | 19 1/2 | 3 1/4 | 2 | 3 | 90 |
| 008 | 3 1/4 | 2 3/4 | 6 | 6 | 20 | 3 3/4 | 22 1/2 | 4 1/2 | 2 7/8 | 3 | 190 |



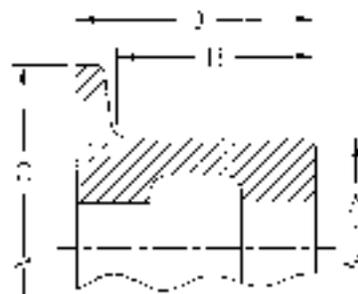
CAST DOUBLE FLANGED IDLERS

| CHAIN NO. | BORE DIAMETER | | HUB SIZE | | A | B | C | D | E | F | WEIGHT IN LBS. |
|-----------|---------------|-------|----------|------------|--------|-------|--------|-------|-------|---|----------------|
| | MAX. | MIN. | MAX DIA. | MAX LENGTH | | | | | | | |
| 078 | 3 1/4 | 2 3/4 | 5 3/4 | 6 | 16 1/2 | 2 3/4 | 19 1/2 | 4 | 2 | 3 | 130 |
| 008 | 3 3/4 | 2 3/4 | 6 | 6 | 20 | 3 3/4 | 22 1/2 | 5 3/4 | 2 7/8 | 3 | 200 |



SINGLE FLANGED ROLLERS

| TREAD | | FLANGE DIA. C | OVERALL WIDTH D | MAX. BORE DIA. | LENGTH THRU BORE | WEIGHT IN LBS. |
|--------|---------|---------------|-----------------|----------------|------------------|----------------|
| DIA. A | WIDTH B | | | | | |
| 3 | 1 | 3 5/8 | 1 1/4 | 1 1/2 | 1 5/16 | 2.3 |
| 3 1/2 | 1 5/16 | 4 1/2 | 1 7/8 | 2 5/32 | 1 7/8 | 4.5 |
| 4 | 1 7/8 | 5 | 2 1/2 | 1 5/16 | 2 5/8 | 7.5 |
| 5 | 1 13/16 | 6 | 2 1/2 | 1 25/32 | 2 5/8 | 12.0 |
| 6 | 2 1/8 | 8 | 3 1/2 | 2 9/32 | 3 1/2 | 29.0 |
| 6 | 5/4 | 10 | 6 1/2 | 3 1/2 | 6 1/2 | 45.0 |
| 6 | 6 3/4 | 10 | 8 1/4 | 2 17/32 | 8 1/4 | 60.0 |
| 8 | 5 3/4 | 11 | 7 | 2 31/32 | 7 | 70.0 |
| 10 | 4 1/2 | 14 | 5 1/2 | 2 15/32 | 5 7/8 | 90.0 |



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PRECISION ROLLER CHAIN SPROCKETS

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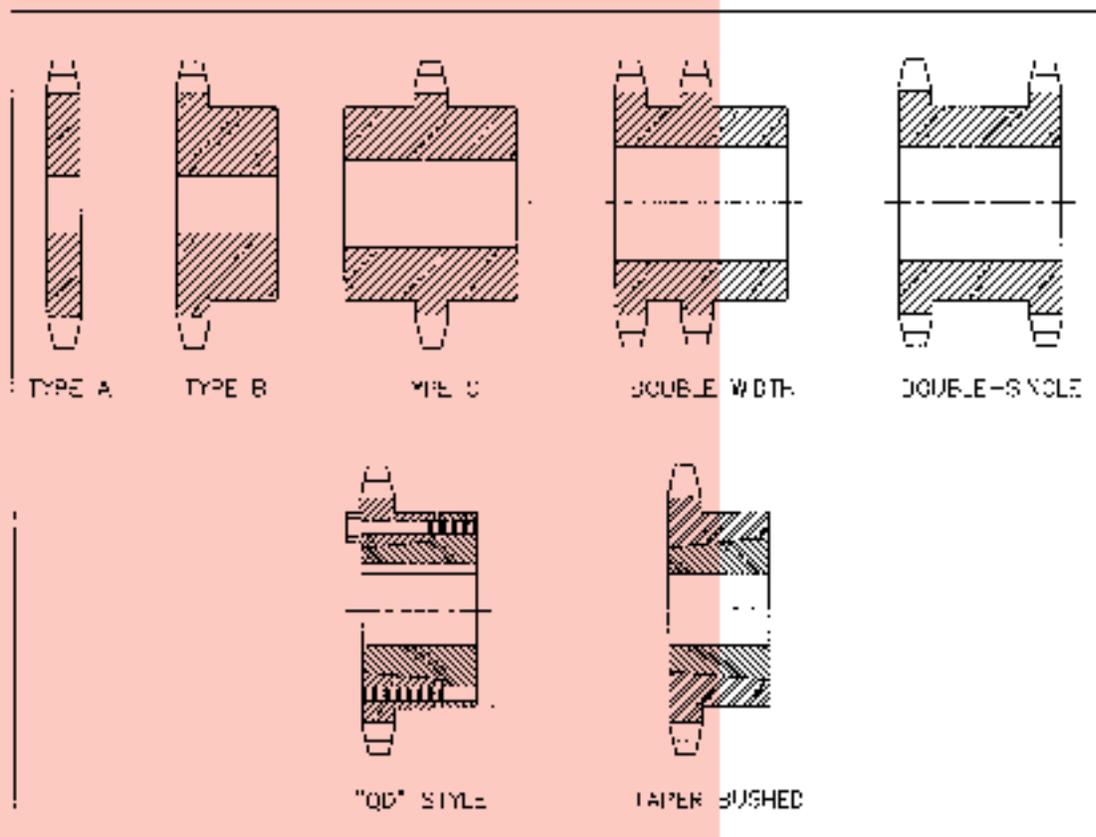
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PRECISION ROLLER CHAIN SPROCKETS



MADE TO ORDER SPROCKETS

Made to order sprockets for Precision Roller Chain, fabricated to customer specifications, at the Dixon, Illinois manufacturing facility.



- SPROCKET SIZES AVAILABLE FOR ALL STANDARD PITCHES OF ROLLER CHAIN UP TO 240.
- TEETH CAN BE TREATED BY INDUCTION HARDENING PROCESS.
- BLACK OXIDE FINISH AND PLATING AVAILABLE UPON REQUEST. SPROCKETS CAN BE STAMPED WITH PART NUMBERS.
- ALL SPROCKETS MANUFACTURED TO THE ANSI B29.1 STANDARD USING THE HIGHEST QUALITY CONTROL PROCEDURES.

LET US QUOTE ON YOUR REQUIREMENTS

- MADE TO ORDER SPROCKETS AVAILABLE TO YOUR SPECIFICATIONS.
- FLEXIBLE COUPLINGS, SLEEVE COUPLINGS, IDLERS & EXTENDED PITCH ALSO AVAILABLE.

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PRECISION ROLLER CHAIN SPROCKETS

Idler Sprockets: Ball Bearing Idler Sprockets have sealed ball bearing with extended inner race and setscrews for securing to shaft. For No. 35 through No. 160 Chain.



Ready Sprockets are an assortment of sprockets and hubs drilled and tapped for simple, convenient assembly with standard hex head cap screws. For No. 35 through No. 100 Chain, with stock finished bore hubs to accommodate shaft sizes through 2 $\frac{3}{4}$ " diameter, plus a variety of square, hex, spline, and tapered key bores.



Finished Bore Sprockets: Stocked for No. 35 through No. 60 chain, with standard keyway and setscrew. Many sizes stocked with and without induction hardened teeth.



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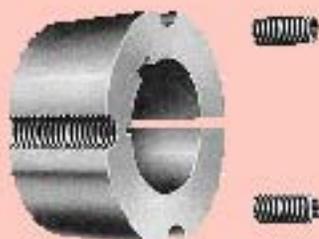
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PRECISION ROLLER CHAIN SPROCKETS



Taper-Lock® Bushings: Standard inch-bore bushings through 3065, metric bore bushings through 3020, and steel bushings through 4040. Some sizes stocked in stainless steel, other sizes available made-to-order.



Weld-In Hubs for Taper-Lock® Bushings: Many mechanical power transmission components can be adapted to various shaft sizes by welding in these adapter hubs. Stock sizes allow bushing bores through 3".



Q.D.® Sprockets: Single strand steel sprockets—No. 40 through No. 160. Many sizes offered with and without hardened teeth.



Q.D.® Bushings: Standard cast iron bushings from JA through S in shaft sizes to 10".



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PRECISION ROLLER CHAIN SPROCKETS

Weld-In Adapters for Q.D.° Bushings: For adapting sprockets or other mechanical power transmission components to use Q.D.° Bushings. Available for bushing bores up to 10".



TYPE A SPROCKETS: Machine cut, single strand, Type A steel sprockets. The complete range from No. 25 through No. 240 are stocked including many sizes with and without induction hardened teeth.



Split Hubs for Roller Chain Sprockets: We stock a variety of semi-finished hubs for building split sprocket assemblies. These hubs are heavy duty, precision machined steel. They have been pre-drilled for socket-head cap screws and are ready to weld. Splitting is to be carried out after assembly.

TYPE B SPROCKETS: Machine cut, single strand, Type B steel sprockets. The complete range from No. 25 through No. 240 are stocked including many sizes with and without induction hardened teeth.



TYPE C SPROCKETS: Machine cut, single strand, Type C steel sprockets. The complete range from No. 25 through No. 240 available, including many sizes with and without induction hardened teeth.



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PRECISION ROLLER CHAIN SPROCKETS



Stainless Steel Finished Bore Sprockets: Not available from stock anywhere else! We carry a wide variety for No. 25, 35, 40, 50, and 60 chain with 2 setscrews.



Double-Single Sprockets: Double strand sprockets for use with 2 single chains for roll case and conveyor drives. Stocked in Taper-Lock® bushed for No. 40 through No. 100 and with mandrel bore for re-boring in No. 40 through No. 160.



Double Taper-Lock® Sprockets: Double strand steel sprockets bored to accept Taper-Lock® bushings stocked in No. 35 through No. 80. Most driver sizes standard with hardened teeth.



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PRECISION ROLLER CHAIN SPROCKETS

Double Strand—Mandrel Bore: Double strand steel sprockets stocked in No. 35 through No. 200 for re-boring. Most driver sizes standard with hardened teeth.



Triple Strand—Mandrel Bore: Triple strand steel sprockets stocked in No. 35 through No. 200 for re-boring. Most driver sizes standard with hardened teeth.

Quadruple Strand—Mandrel Bore: Four strand steel sprockets for re-boring are stocked for No. 35 through No. 120 chain. Most driver sizes standard with hardened teeth. You won't find these in stock anywhere else!



EXTENDED PITCH TAPER-LOCK®—SMALL ROLL: Machine cut, Taper-Lock® bushed steel sprockets for small roll series extended pitch chains—No. 2040 through No. 2080.



EXTENDED PITCH TYPE A SMALL ROLL: Machine cut, Type A steel plate sprockets for small roll series extended pitch chains—No. 2040 through No. 2120.



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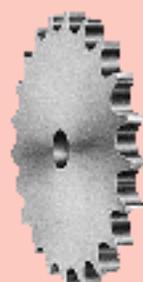
PRECISION ROLLER CHAIN SPROCKETS



EXTENDED PITCH TYPE B SMALL ROLL: Machine cut Type B steel sprockets for small roll series extended pitch chains—No. 2040 through No. 2120.



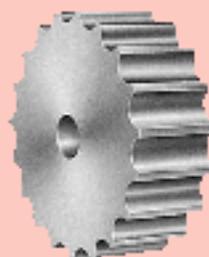
EXTENDED PITCH TYPE A LARGE ROLL: Machine cut, Type A steel plate sprockets for large roll series extended pitch chains—No. 2042 through No. 2122.



EXTENDED PITCH TYPE B LARGE ROLL: Machine cut, Type B steel sprockets for large roll series extended pitch chains—No. 2042 through No. 2122.



Hinge Top Conveyor Chain Sprockets: Steel sprockets with or without shroud plates in a wide range of tooth sizes. Several sizes stocked with and without center groove.



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PRECISION ROLLER CHAIN SPROCKETS

Chain Couplings and Covers: Finished bore, Stock bore, and Taper Lock® bushed chain couplings through 5" bore in a wide variety of sizes from—No. 40 through No. 120 chain. All components required for a complete coupling are stocked, including chains and covers.



Drivesaver Over load Clutch: Simple, economical, and adjustable over-load protection for shaft sizes for 1/2" through 3/4".



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STOCK BORE SPROCKETS



NO. 25 SINGLE—TYPE A—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Stock Bore (inches) | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------|------------------|
| 54 | P25454HE | 4.442 | 1/2 | .38 |

NO. 25 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|-----------|--------------|-------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 9 | P2509HE | .837 | 1/4 | 1/4 | 3/16 | 1/2 | .03 |
| 10 | P2510HE | .919 | 1/4 | 1/4 | 1/2 | 1/2 | .03 |
| 12 | P2512HE | 1.083 | 1/4 | 3/8 | 5/8 | 1/2 | .06 |
| 14 | P2514HE | 1.246 | 1/4 | 9/16 | 1 3/16 | 1/2 | .08 |
| 15 | P2515HE | 1.326 | 1/4 | 9/16 | 57/64 | 1/2 | .10 |
| 16 | P2516HE | 1.407 | 1/4 | 9/16 | 31/32 | 1/2 | .12 |
| 17 | P2517HE | 1.487 | 1/4 | 5/8 | 11/32 | 1/2 | .14 |
| 18 | P2518HE | 1.568 | 1/4 | 3/4 | 11/8 | 1/2 | .16 |
| 19 | P2519HE | 1.648 | 1/4 | 13/16 | 17/32 | 1/2 | .19 |
| 20 | P2520HE | 1.729 | 1/4 | 7/8 | 19/32 | 5/8 | .25 |
| 21 | P2521HE | 1.809 | 1/4 | 7/8 | 13/8 | 5/8 | .28 |
| 22 | P2522HE | 1.889 | 1/4 | 15/16 | 17/16 | 5/8 | .31 |
| 24 | P2524HE | 2.049 | 3/8 | 1 | 11/2 | 5/8 | .33 |
| 26 | P2526HE | 2.209 | 3/8 | 1 | 11/2 | 5/8 | .35 |
| 27 | P2527HE | 2.289 | 3/8 | 1 | 11/2 | 5/8 | .35 |
| 28 | P2528HE | 2.369 | 3/8 | 1 | 11/2 | 5/8 | .36 |
| 30 | P2530HE | 2.529 | 3/8 | 1 | 11/2 | 5/8 | .38 |
| 32 | P2532HE | 2.688 | 3/8 | 1 | 11/2 | 5/8 | .40 |
| 36 | P2536HE | 3.008 | 3/8 | 1 | 11/2 | 3/4 | .50 |
| 40 | P2540HE | 3.327 | 1/2 | 1 3/8 | 2 | 3/4 | .53 |
| 54 | P2554HE | 4.442 | 1/2 | 1 3/8 | 2 | 3/4 | 1.00 |

Maximum bores shown will accommodate standard keyway and set screw over keyway. Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.

NO. 35 SINGLE—TYPE A—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Stock Bore (inches) | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------|------------------|
| 19 | P35A18HE | 3.352 | 1/2 | .14 |
| 19 | P35A19HE | 2.472 | 1/2 | .16 |
| 60 | P35A60HE | 7.380 | 2 3/32 | 1.66 |

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STOCK BORE SPROCKETS

NO. 35 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|-----------------|------------------|---------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 8 | P3508HE | 1.130 | $\frac{3}{8}$ | $\frac{3}{8}$ | $\frac{3}{4}$ | $\frac{3}{4}$ | .07 |
| 9 | P3509HE | 1.200 | $\frac{3}{8}$ | $\frac{3}{8}$ | $2\frac{7}{32}$ | $\frac{3}{4}$ | .09 |
| 10 | P3510HE | 1.379 | $\frac{3}{8}$ | $\frac{9}{16}$ | $3\frac{1}{32}$ | $\frac{3}{4}$ | .03 |
| 11 | P3511HE | 1.502 | $\frac{3}{8}$ | $\frac{9}{16}$ | $1\frac{1}{16}$ | $\frac{3}{4}$ | .17 |
| 12 | P3512HE | 1.625 | $\frac{1}{2}$ | $\frac{9}{16}$ | $1\frac{7}{32}$ | $\frac{3}{4}$ | .20 |
| 13 | P3513HE | 1.746 | $\frac{1}{2}$ | $1\frac{1}{16}$ | $1\frac{1}{4}$ | $\frac{3}{4}$ | .23 |
| 14 | P3514HE | 1.808 | $\frac{1}{2}$ | $\frac{7}{8}$ | $1\frac{1}{4}$ | $\frac{3}{4}$ | .25 |
| 15 | P3515HE | 1.989 | $\frac{1}{2}$ | $\frac{7}{8}$ | $1\frac{11}{32}$ | $\frac{3}{4}$ | .29 |
| 16 | P3516HE | 2.110 | $\frac{1}{2}$ | $1\frac{5}{16}$ | $1\frac{15}{32}$ | $\frac{3}{4}$ | .35 |
| 17 | P3517HE | 2.231 | $\frac{1}{2}$ | $1\frac{1}{16}$ | $1\frac{19}{32}$ | $\frac{3}{4}$ | .08 |
| 18 | P3518HE | 2.302 | $\frac{1}{2}$ | $1\frac{3}{16}$ | $1\frac{23}{32}$ | $\frac{3}{4}$ | .48 |
| 19 | P3519HE | 2.472 | $\frac{1}{2}$ | $1\frac{1}{4}$ | $1\frac{27}{32}$ | $\frac{3}{4}$ | .25 |
| 20 | P3520HE | 2.593 | $\frac{1}{2}$ | $1\frac{5}{16}$ | $1\frac{15}{16}$ | $\frac{3}{4}$ | .59 |
| 21 | P3521HE | 2.713 | $\frac{1}{2}$ | $1\frac{3}{8}$ | 2 | $\frac{7}{8}$ | .28 |
| 22 | P3522HE | 2.833 | $\frac{1}{2}$ | $1\frac{3}{8}$ | 2 | $\frac{7}{8}$ | .80 |
| 23 | P3523HE | 2.994 | $\frac{1}{2}$ | $1\frac{3}{8}$ | 2 | $\frac{7}{8}$ | .82 |
| 25 | P3525HE | 3.194 | $\frac{1}{2}$ | $1\frac{3}{8}$ | 2 | $\frac{7}{8}$ | .88 |
| 27 | P3527HE | 3.434 | $\frac{1}{2}$ | $1\frac{3}{8}$ | 2 | $\frac{7}{8}$ | .94 |
| 28 | P3528HE | 3.593 | $\frac{1}{2}$ | $1\frac{3}{8}$ | 2 | $\frac{7}{8}$ | .35 |
| 31 | P3531HE | 3.913 | $\frac{1}{2}$ | $1\frac{3}{8}$ | 2 | $\frac{7}{8}$ | .35 |
| 36 | P3536HE | 4.511 | $\frac{5}{8}$ | $1\frac{1}{2}$ | $2\frac{1}{4}$ | $\frac{7}{8}$ | 1.56 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screw over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.

NO. 40 SINGLE—TYPE A—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Stock Bore (inches) | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------|------------------|
| 12 | P40A12HE | 2.100 | $\frac{1}{2}$ | .18 |
| 15 | P40A15HE | 2.692 | $\frac{5}{8}$ | .30 |
| 16 | P40A16HE | 2.814 | $\frac{5}{8}$ | .34 |
| 17 | P40A17HE | 2.974 | $\frac{5}{8}$ | .36 |
| 18 | P40A18HE | 3.136 | $\frac{5}{8}$ | .44 |
| 19 | P40A19HE | 3.292 | $\frac{5}{8}$ | .46 |
| 21 | P40A21HE | 3.618 | $\frac{5}{8}$ | .58 |
| 24 | P40A24HE | 4.098 | $\frac{5}{8}$ | .82 |
| 25 | P40A25HE | 4.298 | $\frac{5}{8}$ | .88 |
| 27 | P40A27HE | 4.578 | $\frac{5}{8}$ | .98 |
| 32 | P40A32HE | 5.376 | $1\frac{1}{32}$ | 1.48 |
| 45 | P40A45HE | 7.490 | $2\frac{3}{32}$ | 3.15 |
| 60 | P40A60HE | 9.840 | $2\frac{3}{32}$ | 5.48 |

STOCK BORE SPROCKETS



NO. 40 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|--------|--------------|-------------|------------------|
| | | | Stock | Max. | Diameter | Length Thru | |
| 9 | P4009HE | 1.674 | 1/2 | 9/16 | 1 1/4 | 3/8 | .20 |
| 10 | P4010HE | 1.839 | 1/2 | 3/4 | 1 1/4 | 3/8 | .27 |
| 11 | P4011HE | 2.003 | 1/2 | 3/8 | 1 3/8 | 3/8 | .35 |
| 12 | P4012HE | 2.166 | 1/2 | 1 | 1 3/4 | 3/8 | .45 |
| 13 | P4013HE | 2.328 | 1/2 | 1 1/16 | 1 3/4 | 3/8 | .50 |
| 14 | P4014HE | 2.490 | 1/2 | 1 1/8 | 1 1/4 | 3/8 | .59 |
| 15 | P4015HE | 2.652 | 1/2 | 1 1/4 | 1 3/4 | 3/8 | .70 |
| 16 | P4016HE | 2.814 | 5/8 | 1 3/8 | 2 | 3/8 | .79 |
| 17 | P4017HE | 2.974 | 5/8 | 1 7/16 | 2 1/8 | 1 | 1.04 |
| 18 | P4018HE | 3.136 | 5/8 | 1 1/2 | 2 3/4 | 1 | 1.22 |
| 19 | P4019HE | 3.292 | 5/8 | 1 3/4 | 2 1/2 | 1 | 1.43 |
| 20 | P4020HE | 3.457 | 5/8 | 1 7/8 | 2 5/8 | 1 | 1.66 |
| 21 | P4021HE | 3.618 | 5/8 | 1 7/8 | 2 3/4 | 1 | 1.73 |
| 22 | P4022HE | 3.778 | 5/8 | 1 7/8 | 2 7/8 | 1 | 1.96 |
| 23 | P4023HE | 3.938 | 5/8 | 2 | 3 | 1 | 2.13 |
| 24 | P4024HE | 4.098 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.41 |
| 25 | P4025HE | 4.258 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.54 |
| 26 | P4026HE | 4.418 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.68 |
| 27 | P4027HE | 4.578 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.66 |
| 28 | P4028HE | 4.738 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.73 |
| 29 | P4029HE | 4.898 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.80 |
| 30 | P4030HE | 5.057 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.98 |
| 31 | P4031HE | 5.217 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.10 |
| 32 | P4032HE | 5.376 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.16 |
| 33 | P4033HE | 5.536 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.22 |
| 34 | P4034HE | 5.696 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.30 |
| 35 | P4035HE | 5.856 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.46 |
| 36 | P4036HE | 6.015 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.58 |
| 37 | P4037HE | 6.174 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.62 |
| 38 | P4038HE | 6.334 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.70 |
| 39 | P4039HE | 6.494 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.76 |
| 40 | P4040HE | 6.653 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 4.09 |
| 41 | P4041HE | 6.812 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 4.76 |
| 42 | P4042HE | 6.972 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 4.82 |
| 43 | P4043HE | 7.132 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.12 |
| 44 | P4044HE | 7.291 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.15 |
| 45 | P4045HE | 7.450 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.30 |
| 46 | P4046HE | 7.609 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.57 |
| 47 | P4047HE | 7.769 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.44 |
| 48 | P4048HE | 7.928 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.84 |
| 49 | P4049HE | 8.088 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.90 |
| 50 | P4050HE | 8.248 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 5.96 |
| 51 | P4051HE | 8.406 | 3/4 | 2 3/8 | 3 1/2 | 1 1/8 | 6.08 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screws over keyway. Slightly larger bores are possible with no keyway, shallow keyway or set screws at angle to keyway.

NO. 40 SINGLE—TYPE B—CONTINUED ON NEXT PAGE



STOCK BORE SPROCKETS

NO. 40 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|----------------|----------------|----------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 52 | P4052HE | 8.506 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 6.28 |
| 53 | P4053HE | 8.725 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 6.33 |
| 54 | P4054HE | 8.884 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 6.42 |
| 55 | P4055HE | 9.044 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 6.46 |
| 56 | P4056HE | 9.204 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 6.89 |
| 57 | P4057HE | 9.362 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 7.02 |
| 58 | P4058HE | 9.522 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 7.36 |
| 59 | P4059HE | 9.628 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 7.45 |
| 60 | P4060HE | 9.840 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{8}$ | 7.86 |
| 70 | P4070HE | 11.433 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 11.00 |
| 72 | P4072HE | 11.752 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 11.50 |
| 80 | P4080HE | 13.026 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 13.40 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screw over keyway.
Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.

NO. 41 SINGLE—TYPE A—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Stock Bore (inches) | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------|------------------|
| 24 | P41A24HE | 4.038 | $\frac{5}{8}$ | .82 |
| 36 | P41A36HE | 6.015 | $1\frac{1}{8}$ | 1.84 |
| 60 | P41A60HE | 9.840 | $2\frac{3}{8}$ | 4.00 |

NO. 41 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|----------------|----------------|---------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 9 | P4109HE | 1.674 | $\frac{1}{2}$ | $\frac{5}{8}$ | $1\frac{1}{8}$ | $\frac{7}{8}$ | .20 |
| 18 | P4118HE | 3.135 | $\frac{5}{8}$ | $1\frac{1}{8}$ | $2\frac{3}{8}$ | 1 | 1.25 |
| 20 | P4120HE | 3.457 | $\frac{5}{8}$ | $1\frac{1}{8}$ | $2\frac{3}{4}$ | 1 | 1.04 |

Maximum bores shown will accommodate standard keyway and set screw over keyway.
Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.

NO. 50 SINGLE—TYPE A—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Stock Bore (inches) | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------|------------------|
| 15 | P50A15HE | 3.315 | $\frac{5}{8}$ | .54 |
| 17 | P50A17HE | 3.718 | $\frac{5}{8}$ | .76 |
| 18 | P50A18HE | 3.919 | $\frac{5}{8}$ | .86 |
| 19 | P50A19HE | 4.121 | $\frac{5}{8}$ | .94 |
| 26 | P50A26HE | 5.523 | $2\frac{3}{8}$ | 1.72 |
| 50 | P50A50HE | 10.309 | $1\frac{5}{16}$ | 7.10 |
| 60 | P50A60HE | 12.301 | $1\frac{5}{16}$ | 10.80 |

STOCK BORE SPROCKETS



NO. 50 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|-----------|--------------|-------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 9 | P9009HE | 2.093 | 5/8 | 3/4 | 1 3/8* | 1 | .36 |
| 10 | P9010HE | 2.299 | 5/8 | 7/8 | 1 9/16* | 1 | .48 |
| 11 | P9011HE | 2.504 | 5/8 | 1 | 1 3/4* | 1 | .64 |
| 12 | P9012HE | 2.708 | 5/8 | 1 1/4 | 1 63/64* | 1 | .83 |
| 13 | P9013HE | 2.911 | 5/8 | 1 5/16 | 1 7/8 | 1 | .88 |
| 14 | P9014HE | 3.113 | 5/8 | 1 3/16 | 2 1/8 | 1 | 1.13 |
| 15 | P9015HE | 3.315 | 5/8 | 1 1/2 | 2 3/8 | 1 | 1.34 |
| 16 | P9016HE | 3.517 | 5/8 | 1 3/4 | 2 1/2 | 1 | 1.51 |
| 17 | P9017HE | 3.718 | 5/8 | 1 7/8 | 2 11/16 | 1 | 1.74 |
| 18 | P9018HE | 3.919 | 5/8 | 1 7/8 | 2 3/8 | 1 | 2.00 |
| 19 | P9019HE | 4.121 | 5/8 | 2 | 3 | 1 | 2.22 |
| 20 | P9020HE | 4.321 | 3/4 | 2 | 3 | 1 | 2.28 |
| 21 | P9021HE | 4.522 | 3/4 | 2 | 3 | 1 | 2.40 |
| 22 | P9022HE | 4.722 | 3/4 | 2 | 3 | 1 | 2.66 |
| 23 | P9023HE | 4.923 | 3/4 | 2 | 3 | 1 | 2.66 |
| 24 | P9024HE | 5.123 | 3/4 | 2 | 3 | 1 1/4 | 3.30 |
| 25 | P9025HE | 5.323 | 3/4 | 2 | 3 | 1 1/4 | 3.40 |
| 26 | P9026HE | 5.523 | 3/4 | 2 | 3 | 1 1/4 | 3.44 |
| 27 | P9027HE | 5.723 | 3/4 | 2 | 3 | 1 1/4 | 3.74 |
| 28 | P9028HE | 5.922 | 3/4 | 2 | 3 | 1 1/4 | 3.80 |
| 29 | P9029HE | 6.122 | 3/4 | 2 | 3 | 1 1/4 | 4.06 |
| 30 | P9030HE | 6.321 | 3/4 | 2 1/4 | 3 1/4 | 1 1/4 | 4.66 |
| 37 | P9037HE | 7.718 | 3/4 | 2 1/4 | 3 1/4 | 1 1/4 | 5.90 |
| 54 | P9054HE | 11.106 | 1 | 2 1/2 | 3 3/4 | 1 1/4 | 11.00 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screw over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.

NO. 50 DOUBLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|-----------|--------------|-------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 15 | P90-2B15HE | 3.315 | 3/4 | 1 1/2 | 2 5/16 | 1 3/4 | 2.22 |
| 16 | P90-2B16HE | 3.517 | 3/4 | 1 3/4 | 2 1/2 | 1 3/4 | 2.62 |
| 24 | P90-2B24HE | 5.123 | 1 | 2 1/2 | 3 5/8 | 1 3/8 | 6.60 |
| 26 | P90-2B26HE | 5.523 | 1 | 2 1/2 | 3 3/4 | 1 3/8 | 7.64 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screw over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.

NO. 50 TRIPLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|-----------|--------------|-------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 15 | P90-3B15HE | 3.315 | 3/4 | 1 1/2 | 2 5/16 | 2 1/2 | 3.24 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screw over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.



STOCK BORE SPROCKETS

NO. 60 SINGLE—TYPE A—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Stock Bore (inches) | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------|------------------|
| 14 | P60A14HE | 3.736 | $\frac{3}{4}$ | .94 |
| 15 | P60A15HE | 3.978 | $\frac{3}{4}$ | 1.08 |
| 27 | P60A27HE | 6.867 | $2\frac{3}{32}$ | 3.96 |

NO. 60 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------|-----------------|------------------|----------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 9 | P6009HE | 2.511 | $\frac{3}{4}$ | $\frac{7}{8}$ | $1\frac{13}{16}$ | $1\frac{1}{4}$ | .64 |
| 10 | P6010HE | 2.799 | $\frac{3}{4}$ | $1\frac{1}{8}$ | $1\frac{13}{16}$ | $1\frac{1}{4}$ | .99 |
| 11 | P6011HE | 3.005 | $\frac{3}{4}$ | $1\frac{3}{16}$ | $2\frac{1}{16}$ | $1\frac{1}{4}$ | 1.16 |
| 12 | P6012HE | 3.249 | $\frac{3}{4}$ | $1\frac{3}{8}$ | $2\frac{3}{8}$ | $1\frac{1}{4}$ | 1.47 |
| 13 | P6013HE | 3.493 | $\frac{3}{4}$ | $1\frac{1}{2}$ | $2\frac{11}{32}$ | $1\frac{1}{4}$ | 1.66 |
| 14 | P6014HE | 3.736 | $\frac{3}{4}$ | $1\frac{3}{4}$ | $2\frac{3}{16}$ | $1\frac{1}{4}$ | 2.00 |
| 15 | P6015HE | 3.978 | $\frac{3}{4}$ | $1\frac{7}{8}$ | $2\frac{7}{8}$ | $1\frac{1}{4}$ | 2.51 |
| 16 | P6016HE | 4.220 | $\frac{3}{4}$ | 2 | $3\frac{1}{16}$ | $1\frac{1}{4}$ | 2.81 |
| 17 | P6017HE | 4.462 | $\frac{3}{4}$ | $2\frac{1}{4}$ | $3\frac{1}{4}$ | $1\frac{1}{4}$ | 3.22 |
| 18 | P6018HE | 4.703 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{4}$ | 3.72 |
| 19 | P6019HE | 4.945 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{1}{2}$ | $1\frac{1}{4}$ | 3.92 |
| 20 | P6020HE | 5.186 | $\frac{3}{4}$ | $2\frac{3}{8}$ | $3\frac{3}{8}$ | $1\frac{1}{4}$ | 4.63 |
| 21 | P6021HE | 5.426 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 5.00 |
| 22 | P6022HE | 5.666 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 5.25 |
| 23 | P6023HE | 5.907 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 5.48 |
| 24 | P6024HE | 6.147 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 5.78 |
| 25 | P6025HE | 6.387 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 6.13 |
| 26 | P6026HE | 6.627 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 6.38 |
| 27 | P6027HE | 6.867 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 6.72 |
| 28 | P6028HE | 7.106 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 6.88 |
| 29 | P6029HE | 7.346 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 7.28 |
| 30 | P6030HE | 7.586 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 7.58 |
| 32 | P6032HE | 8.065 | $\frac{3}{4}$ | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 8.26 |
| 34 | P6034HE | 8.544 | 1 | $2\frac{3}{4}$ | 4 | $1\frac{1}{4}$ | 8.80 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screw over keyway.
Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.

NO. 80 SINGLE—TYPE A—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Stock Bore (inches) | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------|------------------|
| 14 | P80A14HE | 4.981 | $1\frac{3}{16}$ | 2.2 |
| 18 | P80A18HE | 6.271 | $1\frac{3}{16}$ | 3.7 |
| 60 | P80A60HE | 19.681 | $1\frac{1}{4}$ | 45.3 |
| 72 | P80A72HE | 23.504 | $1\frac{1}{2}$ | 65.7 |

STOCK BORE SPROCKETS



NO. 80 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------------------|---------------------------------|-----------------------------------|---------------------------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 8 | P8008HE | 3.014 | 1 | 1 | 1 ¹⁵ / ₁₆ " | 1 ⁵ / ₈ " | 1.4 |
| 10 | P8010HE | 3.678 | 1 | 1 ¹ / ₂ " | 2 ⁹ / ₁₆ " | 1 ⁵ / ₈ " | 2.2 |
| 11 | P8011HE | 4.006 | 1 | 1 ⁵ / ₈ " | 2 ¹³ / ₁₆ " | 1 ⁵ / ₈ " | 3.2 |
| 12 | P8012HE | 4.332 | 1 | 1 ⁷ / ₈ " | 3 ¹ / ₈ " | 1 ⁵ / ₈ " | 3.4 |
| 13 | P8013HE | 4.657 | 1 | 2 | 3 | 1 ¹ / ₂ " | 3.5 |
| 14 | P8014HE | 4.981 | 1 | 2 ¹ / ₄ " | 3 ¹ / ₄ " | 1 ¹ / ₂ " | 4.1 |
| 15 | P8015HE | 5.304 | 1 | 2 ¹ / ₂ " | 3 ¹³ / ₁₆ " | 1 ¹ / ₂ " | 5.3 |
| 16 | P8016HE | 5.627 | 1 | 2 ³ / ₄ " | 4 | 1 ¹ / ₂ " | 5.9 |
| 17 | P8017HE | 5.949 | 1 | 2 ³ / ₄ " | 4 | 1 ¹ / ₂ " | 6.6 |
| 18 | P8018HE | 6.271 | 1 | 2 ³ / ₄ " | 4 ¹ / ₄ " | 1 ¹ / ₂ " | 7.3 |
| 19 | P8019HE | 6.593 | 1 | 2 ³ / ₄ " | 4 ¹ / ₄ " | 1 ¹ / ₂ " | 7.8 |
| 20 | P8020HE | 6.914 | 1 | 2 ³ / ₄ " | 4 ¹ / ₄ " | 1 ¹ / ₂ " | 8.4 |
| 21 | P8021HE | 7.235 | 1 | 2 ³ / ₄ " | 4 ¹ / ₄ " | 1 ³ / ₄ " | 9.4 |
| 32 | P8032HE | 10.753 | 1 ³ / ₄ " | 3 ¹ / ₄ " | 4 ³ / ₄ " | 2 | 19.5 |
| 35 | P8035HE | 11.711 | 1 ³ / ₄ " | 3 ¹ / ₄ " | 4 ³ / ₄ " | 2 | 22.1 |

NO. 100 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|-----------------------------------|---------------------------------|----------------------------------|---------------------------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 10 | P10010HE | 4.598 | 1 | 1 ⁷ / ₈ " | 3 ¹ / ₄ " | 1 ⁷ / ₈ " | 4.1 |
| 11 | P10011HE | 5.008 | 1 | 2 ¹ / ₄ " | 3 ⁹ / ₁₆ " | 1 ⁷ / ₈ " | 5.3 |
| 12 | P10012HE | 5.415 | 1 | 2 ¹ / ₄ " | 4* | 1 ⁷ / ₈ " | 6.4 |
| 13 | P10013HE | 5.821 | 1 | 2 ³ / ₈ " | 3 ⁷ / ₈ " | 1 ⁵ / ₈ " | 6.6 |
| 14 | P10014HE | 6.226 | 1 ¹ / ₄ " | 2 ³ / ₄ " | 4 ³ / ₁₆ " | 1 ⁵ / ₈ " | 7.4 |
| 15 | P10015HE | 6.630 | 1 ¹ / ₄ " | 3 | 4 ¹ / ₂ " | 1 ³ / ₄ " | 9.2 |
| 16 | P10016HE | 7.034 | 1 ¹⁵ / ₁₆ " | 3 | 4 ¹ / ₂ " | 1 ³ / ₄ " | 9.9 |
| 17 | P10017HE | 7.436 | 1 ¹⁵ / ₁₆ " | 3 | 4 ¹ / ₂ " | 1 ³ / ₄ " | 10.8 |
| 18 | P10018HE | 7.839 | 1 ¹⁵ / ₁₆ " | 3 | 4 ¹ / ₂ " | 1 ³ / ₄ " | 11.5 |
| 19 | P10019HE | 8.241 | 1 ¹⁵ / ₁₆ " | 3 | 4 ¹ / ₂ " | 2 | 13.1 |
| 20 | P10020HE | 8.643 | 1 ¹⁵ / ₁₆ " | 3 | 4 ¹ / ₂ " | 2 | 14.2 |

NO. 120 SINGLE—TYPE B—HARDENED TEETH—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diameter | Bore (inches) | | Hub (inches) | | Approx. Wt. Lbs. |
|--------------|-----------------|------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|------------------|
| | | | Stock | Rec. Max. | Diameter | Length Thru | |
| 10 | P12010HE | 5.517 | 1 ⁵ / ₈ " | 2 ¹ / ₄ " | 3 ³ / ₄ " | 2 ¹ / ₄ " | 7.1 |
| 11 | P12011HE | 6.009 | 1 ⁵ / ₈ " | 2 ³ / ₈ " | 3 ⁹ / ₁₆ " | 2 ¹ / ₈ " | 7.6 |
| 12 | P12012HE | 6.498 | 1 ⁵ / ₈ " | 2 ³ / ₄ " | 4 ¹ / ₈ " | 2 ¹ / ₈ " | 9.9 |
| 13 | P12013HE | 6.986 | 1 ⁵ / ₈ " | 3 | 4 ⁹ / ₁₆ " | 2 ¹ / ₄ " | 12.4 |
| 14 | P12014HE | 7.472 | 1 ⁵ / ₈ " | 3 ¹ / ₄ " | 4 ³ / ₄ " | 2 ¹ / ₄ " | 14.4 |
| 15 | P12015HE | 7.956 | 1 ¹ / ₄ " | 3 ¹ / ₄ " | 4 ³ / ₄ " | 2 ³ / ₈ " | 16.7 |
| 16 | P12016HE | 8.441 | 1 ¹ / ₄ " | 3 ¹ / ₂ " | 5 ¹ / ₄ " | 2 ³ / ₈ " | 19.9 |
| 17 | P12017HE | 8.924 | 1 ¹ / ₄ " | 3 ¹ / ₂ " | 5 ¹ / ₄ " | 2 ³ / ₈ " | 20.8 |
| 18 | P12018HE | 9.407 | 1 ¹ / ₄ " | 3 ¹ / ₂ " | 5 ¹ / ₄ " | 2 ³ / ₈ " | 22.2 |
| 19 | P12019HE | 9.890 | 1 ¹ / ₄ " | 3 ¹ / ₂ " | 5 ¹ / ₄ " | 2 ³ / ₈ " | 24.8 |
| 20 | P12020HE | 10.371 | 1 ¹ / ₄ " | 3 ¹ / ₂ " | 5 ¹ / ₄ " | 2 ³ / ₈ " | 25.8 |

*Has recessed groove in hub for chain clearance.

Maximum bores shown will accommodate standard keyway and set screw over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or set screw at angle to keyway.



BORED TO SIZE SPROCKETS

NO. 25 SINGLE—HARDENED TEETH—1 SET SCREW—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes 1 Set Screw only |
|--------------|-----------------|---------------|------------------|------------------|-----------------------------------------------|
| 9 | PM12509HE | .837 | 1/2 | .03 | 1/4 |
| 12 | PM12512HE | 1.083 | 1/2 | .06 | 3/8 |
| 13 | PM12513HE | 1.167 | 1/2 | .07 | 1/4 |
| 14 | PM12514HE | 1.246 | 1/2 | .08 | 5/16 |
| 15 | PM12515HE | 1.326 | 1/2 | .10 | 1/2 |
| 16 | PM12516HE | 1.407 | 1/2 | .12 | 1/4 3/8 |
| 17 | PM12517HE | 1.487 | 1/2 | .14 | 3/8 |
| 18 | PM12518HE | 1.568 | 1/2 | .16 | 1/2 |
| 30 | PM12530HE | 2.529 | 5/8 | .38 | 1/2 |
| 32 | PM12532HE | 2.688 | 5/8 | .40 | 3/4 |

NO. 35 SINGLE—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|------------------|------------------|----------------------------------------------------|
| 9 | PM13509HE | 1.256 | 3/4 | .10 | 3/8 |
| 10 | PM13510HE | 1.379 | 3/4 | .11 | 3/8 - 1/2 - +5/8 |
| 11 | PM13511HE | 1.502 | 3/4 | .15 | 3/8 - 1/2 - +5/8 - +3/4 |
| 12 | PM13512HE | 1.625 | 3/4 | .18 | 1/2 - 5/8 - 3/4 |
| 13 | PM13513HE | 1.746 | 3/4 | .20 | 1/2 - 5/8 - 3/4 |
| 14 | PM13514HE | 1.868 | 3/4 | .22 | 1/2 - 5/8 - 3/4 |
| 15 | PM13515HE | 1.989 | 3/4 | .24 | 1/2 - 5/8 - 3/4 - 7/8 - 1 |
| 16 | PM13516HE | 2.110 | 3/4 | .29 | 1/2 - 5/8 - 3/4 - 7/8 - 1 |
| 17 | PM13517HE | 2.231 | 3/4 | .36 | 1/2 - 5/8 - 3/4 - 7/8 - 1 |
| 18 | PM13518HE | 2.352 | 3/4 | .39 | 1/2 - 5/8 - 3/4 - 7/8 - 1 |
| 19 | PM13519HE | 2.472 | 3/4 | .44 | 5/8 - 3/4 - 1 |
| 20 | PM13520HE | 2.593 | 3/4 | .51 | 1/2 - 5/8 - 3/4 - 1 |
| 21 | PM13521HE | 2.713 | 7/8 | .75 | 1/2 - 5/8 - 3/4 - 7/8 - 1 |
| 22 | PM13522HE | 2.833 | 7/8 | .78 | 1/2 - 5/8 - 3/4 - 1 |
| 23 | PM13523HE | 2.954 | 7/8 | .78 | 1/2 - 3/4 - 1 |
| 24 | PM13524HE | 3.074 | 7/8 | .79 | 1/2 - 5/8 - 3/4 - 1 |
| 25 | PM13525HE | 3.194 | 7/8 | .80 | 1/2 - 5/8 - 3/4 - 1 |
| 26 | PM13526HE | 3.314 | 7/8 | .84 | 5/8 |
| 28 | PM13528HE | 3.553 | 7/8 | .86 | 3/4 |
| 30 | PM13530HE | 3.793 | 7/8 | .96 | 5/8 - 3/4 - 1 |
| 32 | PM13532HE | 4.032 | 7/8 | 1.14 | 3/4 |
| 36 | PM13536HE | 4.511 | 1 | 1.41 | 3/4 |
| 40 | PM13540HE | 4.990 | 1 | 1.56 | 1 |
| 42 | PM13542HE | 5.229 | 1 | 1.64 | 3/4 |
| 60 | PM13560HE | 7.380 | 1 | 2.34 | 1 |
| 72 | PM13572HE | 8.814 | 1 | 3.30 | 3/4 |

*Indicates no keyway.

(2) 1/4 set screws only in 1/2" & 3/8" bore.

+Keyway with set screw @ 90 degrees.

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

BORED TO SIZE SPROCKETS



NO. 40 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Dim. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|--------------|------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9 | PM14009HE | 1.674 | $\frac{7}{8}$ | .16 | $\frac{1}{2}$ - $\frac{5}{8}$ |
| 10 | PM14010HE | 1.839 | $\frac{7}{8}$ | .24 | $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ |
| 11 | PM14011HE | 2.003 | $\frac{7}{8}$ | .28 | $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ |
| 12 | PM14012HE | 2.166 | $\frac{7}{8}$ | .34 | $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 |
| 13 | PM14013HE | 2.328 | $\frac{7}{8}$ | .45 | $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 |
| 14 | PM14014HE | 2.490 | $\frac{7}{8}$ | .51 | $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ |
| 15 | PM14015HE | 2.652 | $\frac{7}{8}$ | .53 | $\frac{1}{2}$ - $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ |
| 16 | PM14016HE | 2.814 | $\frac{7}{8}$ | .66 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ |
| 17 | PM14017HE | 2.974 | 1 | .88 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ |
| 18 | PM14018HE | 3.136 | 1 | 1.03 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 19 | PM14019HE | 3.292 | 1 | 1.17 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 20 | PM14020HE | 3.457 | 1 | 1.33 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 21 | PM14021HE | 3.618 | 1 | 1.53 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 22 | PM14022HE | 3.778 | 1 | 1.66 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 23 | PM14023HE | 3.938 | 1 | 1.92 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 24 | PM14024HE | 4.098 | 1 | 2.10 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 25 | PM14025HE | 4.258 | 1 | 2.22 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 26 | PM14026HE | 4.418 | 1 | 2.34 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 27 | PM14027HE | 4.578 | 1 | 2.42 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 28 | PM14028HE | 4.738 | 1 | 2.60 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 29 | PM14029HE | 4.898 | 1 | 2.66 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 30 | PM14030HE | 5.057 | 1 | 2.70 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 31 | PM14031HE | 5.217 | 1 | 2.88 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 32 | PM14032HE | 5.376 | 1 | 3.00 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 33 | PM14033HE | 5.536 | 1 | 3.03 | 1 |
| 34 | PM14034HE | 5.696 | 1 | 3.11 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 35 | PM14035HE | 5.856 | 1 | 3.20 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 36 | PM14036HE | 6.015 | 1 | 3.39 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 37 | PM14037HE | 6.174 | 1 | 3.45 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 38 | PM14038HE | 6.334 | 1 | 3.60 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 39 | PM14039HE | 6.494 | 1 | 4.00 | $\frac{5}{8}$ - $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 40 | PM14040HE | 6.653 | $1\frac{1}{8}$ | 4.28 | $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 41 | PM14041HE | 6.812 | $1\frac{1}{8}$ | 4.58 | $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 42 | PM14042HE | 6.972 | $1\frac{1}{8}$ | 4.64 | $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 43 | PM14043HE | 7.132 | $1\frac{1}{8}$ | 4.80 | $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 44 | PM14044HE | 7.291 | $1\frac{1}{8}$ | 4.96 | $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 45 | PM14045HE | 7.450 | $1\frac{1}{8}$ | 5.06 | $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |
| 46 | PM14046HE | 7.609 | $1\frac{1}{8}$ | 5.19 | $\frac{3}{4}$ - $\frac{7}{8}$ - 1 - $1\frac{1}{8}$ - $1\frac{3}{4}$ - $1\frac{1}{4}$ - $1\frac{3}{8}$ - $1\frac{7}{16}$ - $1\frac{1}{2}$ |

*Indicates no keyway.

(2) $\frac{1}{4}$ " set screws only in $\frac{1}{2}$ " & bore.

+Keyway with set screw @ 90 degrees.

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.



BORED TO SIZE SPROCKETS

NO. 40 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|-------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 47 | PM14047HE | 7.769 | 1 ¹ / ₈ | 5.26 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 48 | PM14048HE | 7.928 | 1 ¹ / ₈ | 5.06 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 49 | PM14049HE | 8.088 | 1 ¹ / ₈ | 5.72 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 50 | PM14050HE | 8.248 | 1 ¹ / ₈ | 5.78 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 51 | PM14051HE | 8.406 | 1 ¹ / ₈ | 5.90 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 52 | PM14052HE | 8.566 | 1 ¹ / ₈ | 5.94 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 53 | PM14053HE | 8.725 | 1 ¹ / ₈ | 6.12 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 54 | PM14054HE | 8.884 | 1 ¹ / ₈ | 6.24 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 55 | PM14055HE | 9.044 | 1 ¹ / ₈ | 6.06 | ³ / ₄ |
| 56 | PM14056HE | 9.204 | 1 ¹ / ₈ | 6.71 | ³ / ₄ |
| 57 | PM14057HE | 9.362 | 1 ¹ / ₈ | 6.94 | ³ / ₄ |
| 58 | PM14058HE | 9.522 | 1 ¹ / ₈ | 7.17 | ³ / ₄ |
| 59 | PM14059HE | 9.682 | 1 ¹ / ₈ | 7.38 | ³ / ₄ |
| 60 | PM14060HE | 9.840 | 1 ¹ / ₈ | 7.08 | ³ / ₄ - ⁷ / ₈ - 1 - 1 ¹ / ₈ - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ |
| 70 | PM14070HE | 11.433 | 1 ¹ / ₄ | 10.80 | ³ / ₄ - 1 - 1 ¹ / ₂ |
| 72 | PM14072HE | 11.752 | 1 ¹ / ₄ | 11.30 | ³ / ₄ |
| 80 | PM14080HE | 13.026 | 1 ¹ / ₄ | 13.20 | ³ / ₄ |

*Indicates no keyway.

+Keyway with set screw @ 90 degrees.

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

NO. 41 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|--------------------------------|------------------|-------------------------------------------------------|
| 9 | PM14109HE | 1.674 | ⁷ / ₈ | .20 | ⁵ / ₈ |
| 18 | PM14118HE | 3.136 | 1 | 1.10 | 1 |
| 21 | PM14121HE | 3.618 | 1 | 1.77 | ⁵ / ₈ |
| 32 | PM14132HE | 5.377 | 1 | 2.92 | ⁵ / ₈ |
| 35 | PM14135HE | 5.855 | 1 | 3.08 | ³ / ₄ |
| 48 | PM14148HE | 7.928 | 1 ¹ / ₁₆ | 4.68 | ³ / ₄ |

*Indicates no keyway.

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

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BORED TO SIZE SPROCKETS



NO. 50 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 9 | PM15009HE | 2.033 | 1 | .30 | $\frac{3}{4}$ |
| 10 | PM15010HE | 2.299 | 1 | .30 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - + 1$ |
| 11 | PM15011HE | 2.504 | 1 | .60 | $\frac{3}{4} - \frac{7}{8} - 1$ |
| 12 | PM15012HE | 2.708 | 1 | .70 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4}$ |
| 13 | PM15013HE | 2.911 | 1 | .80 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4}$ |
| 14 | PM15014HE | 3.113 | 1 | 1.00 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4}$ |
| 15 | PM15015HE | 3.315 | 1 | 1.20 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{7}{16}$ |
| 16 | PM15016HE | 3.517 | 1 | 1.45 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{7}{16} - 1\frac{1}{2}$ |
| 17 | PM15017HE | 3.718 | 1 | 1.60 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{7}{16} - 1\frac{1}{2}$ |
| 18 | PM15018HE | 3.919 | 1 | 1.90 | $\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{7}{16} - 1\frac{1}{2}$ |
| 19 | PM15019HE | 4.121 | 1 | 2.00 | $\frac{3}{4} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{7}{16}$ |
| 20 | PM15020HE | 4.321 | 1 | 2.10 | $\frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{7}{16} - 1\frac{1}{2}$ |
| 21 | PM15021HE | 4.522 | 1 | 2.25 | $\frac{3}{4} - 1 - 1\frac{1}{8} - 1\frac{3}{16} - 1\frac{1}{4}$ |
| 22 | PM15022HE | 4.722 | 1 | 2.40 | $1 - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{7}{16}$ |
| 23 | PM15023HE | 4.923 | 1 | 2.50 | $1 - 1\frac{3}{16} - 1\frac{1}{4}$ |
| 24 | PM15024HE | 5.123 | $1\frac{1}{4}$ | 3.00 | $\frac{3}{4} - \frac{7}{8} - 1 - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{7}{16} - 1\frac{1}{2}$ |
| 25 | PM15025HE | 5.323 | $1\frac{1}{4}$ | 3.10 | $1 - 1\frac{1}{4}$ |
| 26 | PM15026HE | 5.523 | $1\frac{1}{4}$ | 3.30 | $1 - 1\frac{3}{16} - 1\frac{1}{4}$ |
| 27 | PM15027HE | 5.723 | $1\frac{3}{4}$ | 3.46 | $1 - 1\frac{1}{4}$ |
| 28 | PM15028HE | 5.922 | $1\frac{1}{4}$ | 3.60 | $\frac{3}{4} - 1 - 1\frac{1}{4} - 1\frac{3}{8}$ |
| 29 | PM15029HE | 6.122 | $1\frac{1}{4}$ | 3.78 | $1\frac{1}{4}$ |
| 30 | PM15030HE | 6.321 | $1\frac{1}{4}$ | 3.90 | $1 - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{7}{16} - 1\frac{1}{2}$ |
| 32 | PM15032HE | 6.721 | $1\frac{1}{4}$ | 4.70 | $1 - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{3}{4}$ |
| 33 | PM15033HE | 6.921 | $1\frac{1}{4}$ | 4.92 | $1\frac{1}{4}$ |
| 35 | PM15035HE | 7.319 | $1\frac{1}{4}$ | 5.30 | $1 - 1\frac{3}{16} - 1\frac{1}{4}$ |
| 36 | PM15036HE | 7.519 | $1\frac{1}{4}$ | 5.50 | $1 - 1\frac{3}{16} - 1\frac{1}{4} - 1\frac{7}{16}$ |
| 39 | PM15039HE | 8.117 | $1\frac{1}{4}$ | 6.02 | $1\frac{1}{4}$ |
| 40 | PM15040HE | 8.316 | $1\frac{1}{4}$ | 6.20 | $1 - 1\frac{1}{4}$ |
| 42 | PM15042HE | 8.715 | $1\frac{1}{4}$ | 6.68 | $1\frac{1}{4}$ |
| 45 | PM15045HE | 9.313 | $1\frac{1}{4}$ | 8.00 | $1\frac{1}{4} - 1\frac{3}{8}$ |
| 50 | PM15050HE | 10.309 | $1\frac{1}{4}$ | 9.63 | $1\frac{1}{4} - 1\frac{3}{8} - 1\frac{1}{2}$ |
| 54 | PM15054HE | 11.106 | $1\frac{1}{2}$ | 10.75 | 2 |
| 60 | PM15060HE | 12.301 | $1\frac{1}{2}$ | 13.90 | $1\frac{1}{4}$ |

+ Keyway with set screw @ 90 degrees.
Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

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BORED TO SIZE SPROCKETS

NO. 60 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bores Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|------------------|------------------|---------------------------------------------------------------------------|
| 9 | PM1009HE- | 2.511 | 1 1/4 | .06 | 1 |
| 10 | PM1010HE- | 2.760 | 1 1/4 | .70 | 7/8 - 1 - 1 1/8 - 1 1/4 |
| 11 | PM1011HE- | 3.000 | 1 1/4 | .90 | 7/8 - 1 - 1 1/8 - 1 1/4 |
| 12 | PM1012HE- | 3.250 | 1 1/4 | 1.30 | 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 1/2 |
| 13 | PM1013HE- | 3.490 | 1 1/4 | 1.30 | 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 |
| 14 | PM1014HE- | 3.740 | 1 1/4 | 1.60 | 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 |
| 15 | PM1015HE- | 3.980 | 1 1/4 | 1.70 | 7/8 - 1 - 1 1/8 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 |
| 16 | PM1016HE- | 4.220 | 1 1/4 | 2.10 | 3/4 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 5/8 |
| 17 | PM1017HE- | 4.460 | 1 1/4 | 2.40 | 1 - 1 1/8 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 |
| 18 | PM1018HE- | 4.700 | 1 1/4 | 2.60 | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 5/8 |
| 19 | PM1019HE- | 4.950 | 1 1/4 | 3.40 | 1 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 |
| 20 | PM1020HE- | 5.190 | 1 1/4 | 3.90 | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 5/8 |
| 21 | PM1021HE- | 5.430 | 1 1/4 | 4.40 | 1 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 |
| 22 | PM1022HE- | 5.670 | 1 1/4 | 4.70 | 1 - 1 1/4 |
| 23 | PM1023HE- | 5.910 | 1 1/4 | 5.00 | 1 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 |
| 24 | PM1024HE- | 6.150 | 1 1/4 | 5.30 | 1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 |
| 25 | PM1025HE- | 6.390 | 1 1/4 | 5.40 | 1 - 1 1/4 - 1 3/8 - 1 7/16 |
| 26 | PM1026HE- | 6.627 | 1 1/4 | 5.80 | 1 - 1 1/8 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 |
| 28 | PM1028HE- | 7.106 | 1 1/4 | 6.40 | 1 3/8 - 1 1/2 |
| 30 | PM1030HE- | 7.590 | 1 1/4 | 7.10 | 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 |
| 32 | PM1032HE- | 8.065 | 1 1/4 | 7.80 | 1 3/8 |
| 33 | PM1033HE- | 8.305 | 1 1/4 | 8.20 | 1 1/2 |
| 34 | PM1034HE- | 8.544 | 1 1/4 | 8.90 | 1 1/2 |
| 36 | PM1036HE- | 9.023 | 1 1/4 | 9.20 | 1 1/4 - 1 3/4 |
| 38 | PM1038HE- | 9.501 | 1 1/4 | 10.90 | 1 3/8 |
| 44 | PM1044HE- | 10.937 | 1 1/4 | 13.90 | 1 1/4 |
| 48 | PM1048HE- | 11.893 | 1 1/4 | 15.40 | 1 - 1 3/4 |
| 54 | PM1054HE- | 13.327 | 1 3/4 | 21.00 | 1 1/2 |
| 60 | PM1060HE- | 14.760 | 1 3/4 | 25.00 | 2 |
| 72 | PM1072HE- | 17.028 | 2 | 33.90 | 2 |
| 84 | PM1084HE- | 20.495 | 2 | 45.80 | 1 3/4 |

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

NO. 80 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bores Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|------------------|------------------|------------------------------------------------------------------------------------------|
| 10 | PM18010HE- | 3.678 | 1 3/8 | 1.70 | 1 - 1 1/8 - 1 3/16 - 1 1/4 |
| 11 | PM18011HE- | 4.006 | 1 3/8 | 1.80 | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 |
| 12 | PM18012HE- | 4.332 | 1 3/8 | 3.00 | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 |
| 13 | PM18013HE- | 4.657 | 1 1/2 | 3.50 | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 5/16 - 2 |
| 14 | PM18014HE- | 4.981 | 1 1/2 | 4.10 | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 5/16 - 2 |
| 15 | PM18015HE- | 5.304 | 1 1/2 | 5.20 | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 5/16 - 2 |

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

NO. 80 SINGLE—TYPE B—CONTINUED ON NEXT PAGE

BORED TO SIZE SPROCKETS



NO. 80 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|-------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16 | PM18016HE | 5.027 | 1 ¹ / ₂ | 5.90 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁵ / ₈ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ - 1 ⁵ / ₈ - 1 ³ / ₄ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ |
| 17 | PM18017HE | 5.949 | 1 ¹ / ₂ | 6.00 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁵ / ₈ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ - 1 ⁵ / ₈ - 1 ³ / ₄ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ |
| 18 | PM18018HE | 6.271 | 1 ¹ / ₂ | 6.90 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁵ / ₈ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ - 1 ⁵ / ₈ - 1 ³ / ₄ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ |
| 19 | PM18019HE | 6.993 | 1 ¹ / ₂ | 7.00 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁵ / ₈ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ - 1 ⁵ / ₈ - 1 ³ / ₄ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ |
| 20 | PM18020HE | 6.914 | 1 ¹ / ₂ | 8.00 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁵ / ₈ - 1 ⁷ / ₁₆ - 1 ¹ / ₂ - 1 ⁵ / ₈ - 1 ³ / ₄ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ |
| 22 | PM18022HE | 7.955 | 1 ³ / ₄ | 9.90 | 1 ³ / ₄ |
| 23 | PM18023HE | 7.876 | 1 ³ / ₄ | 10.20 | 1 ¹⁵ / ₁₆ |
| 25 | PM18025HE | 8.516 | 1 ³ / ₄ | 11.40 | 1 ⁵ / ₈ - 1 ⁷ / ₁₆ |
| 26 | PM18026HE | 8.836 | 2 | 14.00 | 1 ¹⁵ / ₁₆ |
| 27 | PM18027HE | 9.156 | 2 | 14.70 | 1 ¹⁵ / ₁₆ |
| 30 | PM18030HE | 10.114 | 2 | 16.79 | 1 ¹⁵ / ₁₆ - 2 |

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

NO. 100 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|-------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8 | PM110008HE | 3.768 | 1 ⁷ / ₈ | 2.80 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ |
| 10 | PM110010HE | 4.998 | 1 ⁷ / ₈ | 3.90 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ |
| 11 | PM110011HE | 5.008 | 1 ⁷ / ₈ | 4.90 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ |
| 12 | PM110012HE | 5.415 | 1 ⁷ / ₈ | 6.00 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ |
| 13 | PM110013HE | 5.821 | 1 ⁷ / ₈ | 6.20 | 1 - 1 ³ / ₁₆ - 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ |
| 14 | PM110014HE | 6.226 | 1 ⁷ / ₈ | 6.60 | 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ |
| 15 | PM110015HE | 6.630 | 1 ³ / ₄ | 8.40 | 1 ¹ / ₄ - 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ |
| 16 | PM110016HE | 7.034 | 1 ³ / ₄ | 9.00 | 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ - 2 ¹⁵ / ₁₆ |
| 17 | PM110017HE | 7.436 | 1 ³ / ₄ | 9.90 | 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ - 2 ¹⁵ / ₁₆ |
| 18 | PM110018HE | 7.839 | 1 ³ / ₄ | 10.60 | 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ - 2 ¹⁵ / ₁₆ |
| 19 | PM110019HE | 8.241 | 2 | 12.10 | 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ - 2 ¹⁵ / ₁₆ |
| 20 | PM110020HE | 8.643 | 2 | 13.20 | 1 ⁷ / ₁₆ - 1 ¹⁵ / ₁₆ - 2 - 2 ³ / ₁₆ - 2 ⁷ / ₁₆ - 2 ¹⁵ / ₁₆ |

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

NO. 120 SINGLE—TYPE B—HARDENED TEETH—2 SET SCREWS—KEYWAY—BLACK OXIDE FINISH

| No. of Teeth | Computer Number | Outside Diam. | Length Thru Bore | Approx. Wt. Lbs. | Stock Finished Bore Includes Keyway & 2 Set Screws |
|--------------|-----------------|---------------|-------------------------------|------------------|-------------------------------------------------------|
| 9 | PM112009HE | 5.022 | 2 ¹ / ₄ | 5.5 | 1 ³ / ₈ |

Hub diameters vary to suit different bore sizes.

NOTE: KEYWAY IS ON CENTER LINE OF TOOTH.

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STOCK FLEXIBLE COUPLINGS

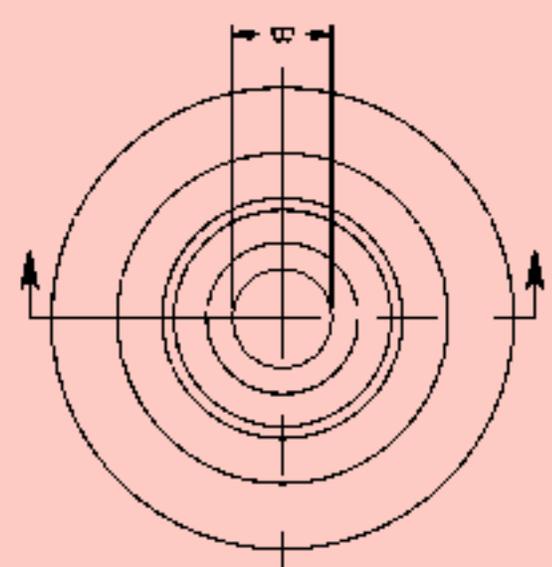
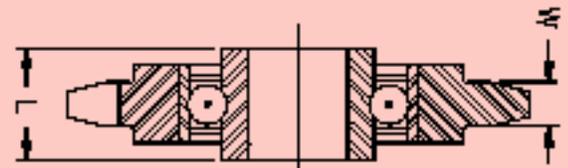
BORED TO SIZE COUPLINGS WITH FINISHED BORE, KEYWAY, AND SET SCREW

| No. of Teeth | Computer Number | Stock Finished Bores Include Standard Keyway and Setscrew | Hub Diameter | Length Thru Bore | Coupling O.D. | Weight Lbs. |
|--------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|---------------|-------------|
| 12 | 4012HE | 1/2 - 5/8 - 3/4 | 1 13/32 | 1 1/8 | 2 13/32 | .4 |
| 16 | 4016HE | 5/8 - 3/4 - 7/8 - 15/16 - 1 - 1 1/8 - 1 3/16 - 1 1/4 | 1 31/32 | 1 1/8 | 3 1/32 | .8 |
| 16 | 5016HE | 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 | 2 1/2 | 1 7/16 | 3 25/32 | 1.6 |
| 18 | 5018HE | 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16 | 2 31/32 | 1 11/16 | 4 3/16 | 2.4 |
| 18 | 6018HE | 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16 - 2 - 2 1/8 - 2 3/16 - 2 1/4 - 2 3/8 - 2 7/16 | 3 1/2 | 1 7/8 | 5 | 4.8 |
| 20 | 6020HE | 1 1/8 - 1 1/4 - 1 1/2 - 1 3/4 - 1 15/16 - 2 1/8 - 2 3/8 - 2 7/16 - 2 5/8 | 3 7/8 | 2 | 5 1/2 | 5.2 |
| 22 | 6022HE | 1 1/8 - 1 3/4 - 1 7/8 - 1 15/16 - 2 1/8 - 2 3/8 - 2 7/16 - 2 5/8 - 2 3/4 - 2 7/8 | 4 1/2 | 2 1/8 | 5 61/64 | 7.8 |
| 18 | 8018HE | 1 1/8 - 1 3/4 - 1 15/16 - 2 - 2 1/8 - 2 3/8 - 2 7/16 - 2 5/8 - 2 7/8 - 2 15/16 | 4 3/16 | 2 3/8 | 6 21/32 | 9.5 |
| 20 | 8020HE | 1 1/2 - 2 3/16 - 2 7/16 - 2 11/16 - 2 15/16 - 3 1/8 - 3 3/8 - 3 7/16 | 5 3/8 | 2 5/8 | 7 19/64 | 13.4 |
| 18 | 10018HE | 1 1/2 - 2 7/16 - 2 7/8 - 2 15/16 - 3 7/16 | 5 11/16 | 2 3/4 | 8 21/64 | 18.2 |
| 20 | 10020HE | 2 - 3 3/8 - 3 7/16 - 3 15/16 | 6 23/32 | 3 1/8 | 9 1/8 | 25.0 |
| 18 | 12018HE | 3 7/16 - 3 15/16 - 4 7/16 | 6 3/4 | 3 1/2 | 10 | 28.0 |
| 22 | 12022HE | 4 3/8 - 4 7/16 - 4 15/16 | 8 3/4 | 4 | 11 57/64 | 55.0 |

CAUTION: All rotating power transmission products are potentially dangerous and must be properly guarded for the speeds and applications for which they were intended.

COUPLING WITH PLAIN BORES FOR REBORING

| Coupling Number | Maximum Bore Inches | Minimum Plain Bore Inches | Weight (Lbs.) | Hub (Inches) | |
|-----------------|---------------------|---------------------------|---------------|--------------|-------------|
| | | | | Diameter | Length Thru |
| 4012HE | 7/8 | 7/16 | .5 | 1 13/32 | 1 1/8 |
| 4016HE | 1 5/16 | 5/8 | 1.0 | 1 31/32 | 1 1/8 |
| 5016HE | 1 11/16 | 5/8 | 2.2 | 2 1/2 | 1 7/16 |
| 5018HE | 2 | 3/4 | 3.5 | 2 31/32 | 1 11/16 |
| 6018HE | 2 7/16 | 1 | 5.0 | 3 1/2 | 1 7/8 |
| 6020HE | 2 3/4 | 1 1/8 | 6.5 | 3 7/8 | 2 |
| 6022HE | 3 | 1 1/8 | 9.4 | 4 1/2 | 2 1/8 |
| 8018HE | 3 1/8 | 1 1/8 | 11.0 | 4 3/16 | 2 3/8 |
| 8020HE | 3 3/16 | 1 1/2 | 16.3 | 5 3/8 | 2 5/8 |
| 10018HE | 3 7/8 | 1 1/2 | 20.3 | 5 11/16 | 2 3/4 |
| 10020HE | 4 5/8 | 1 1/2 | 31.8 | 6 23/32 | 3 1/8 |
| 12018HE | 4 11/16 | 2 | 36.8 | 6 3/4 | 3 1/2 |
| 12022HE | 6 1/8 | 2 | 70.0 | 8 3/4 | 4 |



BALL BEARING IDLER SPROCKET HARDENED TEETH—HIGH SPEED

| No. Teeth | Catalog Number | O.D. | B | L | W | Wt. Lbs. |
|-----------|----------------|------|------|-----|------|----------|
| 20 | 35BB20HE | 2.60 | .038 | .72 | .168 | .38 |
| 17 | 40BB17HE | 2.97 | .038 | .72 | .284 | .52 |
| 18 | 40BB18HE | 3.14 | .038 | .72 | .284 | .53 |
| 15 | 50BB15HE | 3.32 | .038 | .72 | .343 | .75 |
| 17 | 50BB17HE | 3.72 | .038 | .72 | .343 | .78 |
| 13 | 60BB13HE | 3.51 | .038 | .72 | .459 | .76 |
| 15 | 60BB15HE | 3.98 | .038 | .72 | .459 | 1.06 |
| 12 | 80BB12HE | 4.36 | .750 | .61 | .575 | 1.50 |

NOTE: .038 Dia. is +.000, 750 is +.005—-.000

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SPROCKET SPECIFICATIONS

SPROCKET TABLES

The Sprocket Tables in this catalog have been designed for easy reading. Listed is a partial interchange, numbers of teeth, type construction, pitch diameters and maximum bores. Standard Hub Data for both Solid and Splits are found within their corresponding catalog section.

| CHARACTERISTIC OR FEATURE | STANDARD | SPECIAL |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sprocket Type | The type or types listed as available for a sprocket of a particular number of teeth in the Sprocket Tables. These six types are listed: Plate Center Spoked Arm Chain Saver Hunting Tooth Segmental Rim Wide Flange | Any type other than listed types in Sprocket Tables that can meet the limitations of size and/or work load. Consult B&W Engineering Service if Spoked Arm is listed in Sprocket Data Table, Plate Center can be furnished at additional charge. |
| Split Construction | Not Standard | All split sprockets |
| Hub Type | Type listed as available for a sprocket of a particular number of teeth in the Sprocket Tables. One of these four types: A B C C Offset | Any type other than listed in Sprocket Table for a particular sprocket of a specific number of teeth. |
| Keyseating | Standard keyway as specified in table "Standard Keyways and Setscrews" (page 219) | 1) Extra Keyseat 2) Keyseating in definite location 3) Keyseating in line or in pairs |
| Setscrews | One pair furnished | More than one pair |
| Boring | Up to and including the standard bore sizes that are listed in the sprocket tables. Tolerances are maintained as per the Table of Standard Bore Tolerances. | 1) Oversize bores 2) Core-to-bore |
| Machine Facing Hubs | One side if keywayed Both sides if plain bored | Machine facing hubs to exact dimensions |
| Hub Lengths | Length as listed in Sprocket Hub Tables | 1) Longer than standard length will be provided at additional charge. |
| Shear Pin Hubs | Not Standard | All shear pin hubs |
| Bronze Bushings | Not Standard | All bronze bushings |

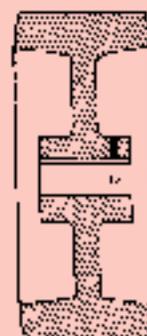
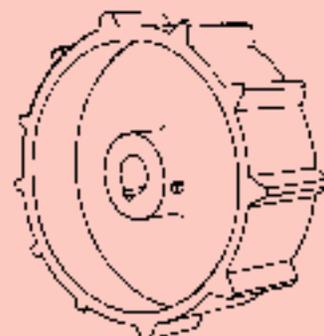


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SPROCKET FEATURES

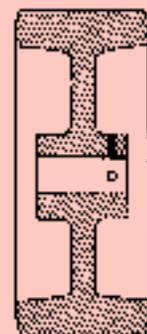
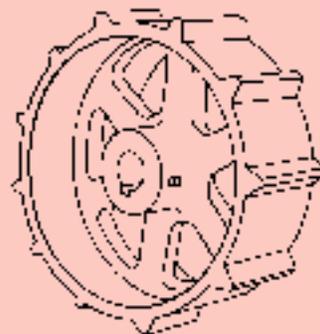
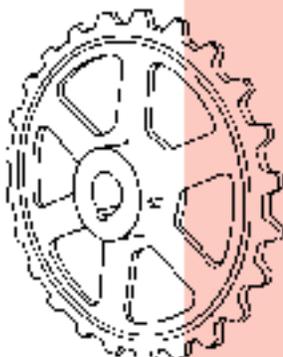
PLATE CENTER SPROCKETS

Sprockets are furnished in two basic types . . . Plate center and Spoked Arm. Plate centers are generally used on smaller sprockets whose size prohibits the use of spoked arms and on drives and conveyors which are subjected to frequent shock loads. They are also used when the maximum allowable chain pull is greater than that which Spoked Arm Sprockets can withstand.



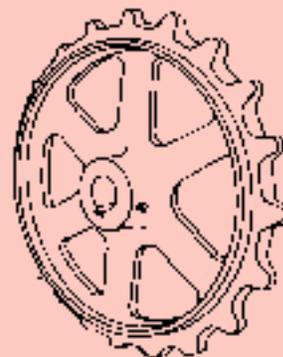
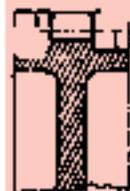
SPOKED ARM SPROCKETS

Spoked arms are found on large diameter sprockets. They are used to reduce weight and facilitate handling.



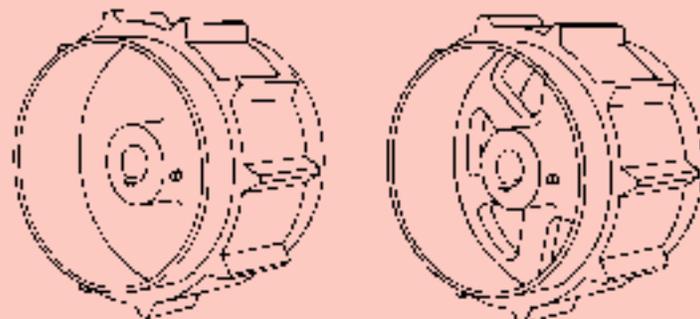
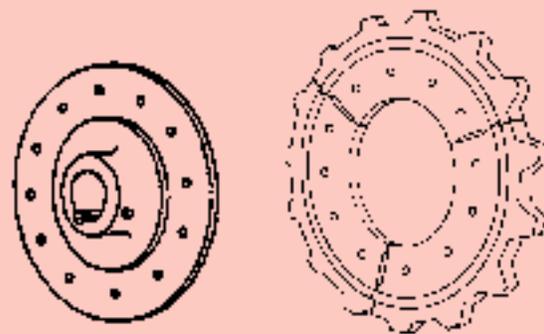
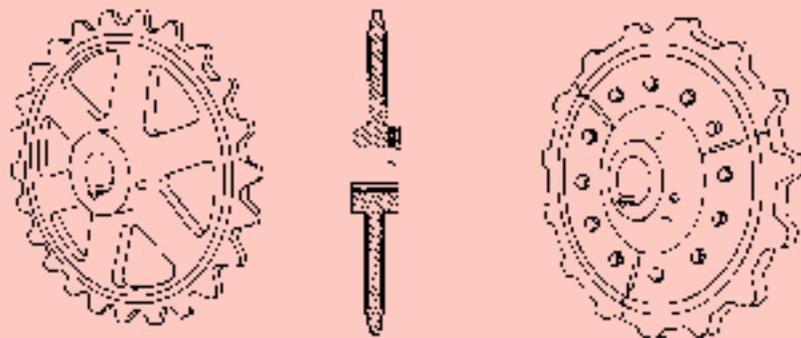
CHAIN SAVER SPROCKETS

Chain Saver sprockets give added life to chain because of the special flange construction on the rim. The chain side bars rest on the flange as chain wraps around the sprocket, keeping the chain on the true pitch line and distributing wear over a greater contact area.



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SPROCKET FEATURES

HUNTING TOOTH SPROCKETS

Hunting Tooth Sprockets last longer than ordinary sprockets and operate on this principle: Hunting Tooth Sprockets have an odd number of teeth and are half the pitch of the chain. Thus, every time the sprocket makes a revolution, the chain links engage a new set of teeth, forward of the previously engaged set. Each tooth makes contact with the chain only half as many times as it would on a regular sprocket, thus doubling the life of the sprocket.

SEGMENTAL RIM SPROCKETS

Segmental Rim Sprockets are designed to eliminate costly shut-down time during installation and adjustment. They consist of a removable segmented rim and a solid or split body which are bolted together.

To obtain extra wear from this type sprocket, after considerable use, the rim sections may be simply reversed, so that the chain makes contact with the opposite sides of the teeth. Bodies or entire sprockets may be replaced without removing shaft or bearings, making this type of sprocket very desirable economically because of the savings in labor and shut-down time.

HUNTING TOOTH CHAIN SAVER SPROCKETS

This type of sprocket combines the special features of the two preceding types, providing additional life to both the chain and the sprocket.

WIDE FLANGE SPROCKETS

These Sprockets are used in many industries such as the lumber and paper industries as sprockets for the delivery end of conveyors. The wide flange or side extension acts as a guard and helps keep material from being wasted as it comes off the end of the conveyor.

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SPROCKET FEATURES

SPLIT CONSTRUCTION

Both Spoked Arm and Plate Center sprockets are available with split construction. Split construction is often specified for installations when it is desirable or advantageous to mount or remove the sprocket from the shaft without disturbing either the shaft or the bearings. The method now used in mounting a split wheel to the shaft gives increased effectiveness in holding.

Split wheels are cast in one piece, machined, and split so that when bolted together the sprocket forms a solid construction. Split wheels are furnished with hubs on one side, hubs offset, or C hubs. Rim lugs are employed when the diameter of the wheel makes them necessary. Since wheels are cast in one piece and then split, it is necessary to give bore size required if ordered in core-to-bore special construction.

HUB TYPES

Sprockets are supplied in various hub types . . . each one designed for a specific need. The following defines and illustrates each of the basic hub types.

TYPE "A"

When a sprocket is described as type "A," this indicates that there really is no hub which is part of the sprocket wheel. The wheel must be mounted on a flange or hub or other holding device.

TYPE "B"

This indicates that the sprocket has a hub extending on one side only from the wheel. This type of hub is generally found on small and intermediate size sprockets.

TYPE "C"

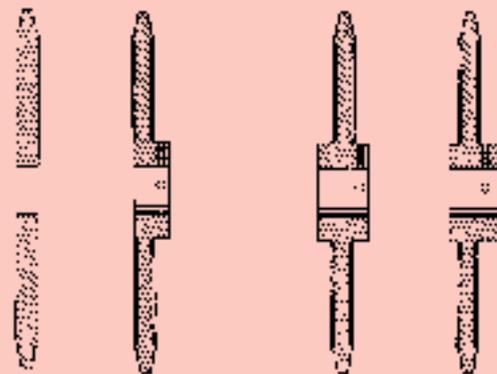
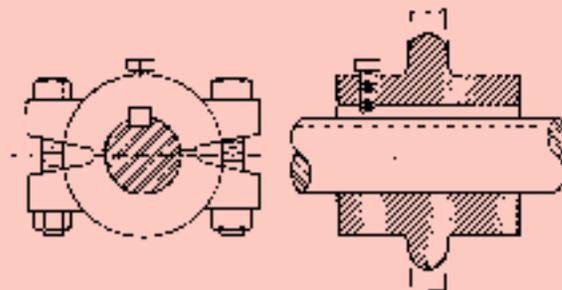
These hubs are centrally located, extending an equal distance on both sides of the wheel. This type of hub is the most common type and is generally found on large diameter sprockets.

TYPE "C" OFFSET

Type "C" Offset hubs are the same as type "C" mentioned above, but are slightly off center.

KEYSEATING, KEYS AND SETSCREWS

A single keyseat and one pair of set-screws are furnished as standard on all sprockets unless otherwise specified. Keys are not furnished as standard and must be ordered. When keyway and setscrew sizes are not specified, they are supplied in accordance with the table of dimensions headed "STANDARD KEYWAYS AND SETSCREWS." Standard tolerances for straight and tapered keyways are: width +.002-.000, depth +.010-.000. Setscrews are placed over key at 90° to the key unless otherwise specified. Tapered keyways are supplied only when specified. Non-standard keyway sizes are available.



| STANDARD KEYWAYS AND SETSCREWS | | | |
|--------------------------------|---------|-------|------------------------|
| Diameter of Shaft | Keyseat | | Diameter of set screws |
| | Width | Depth | |
| 1/2-3/16 | 1/8 | 1/16 | 1/4 |
| 5/8-7/8 | 3/16 | 3/32 | 1/4 |
| 1 1/4-1 3/8 | 1/4 | 1/8 | 5/16 |
| 1 5/8-1 3/4 | 5/16 | 5/32 | 5/16 |
| 1 7/8-2 1/4 | 3/8 | 3/16 | 3/8 |
| 2 1/4-2 3/4 | 1/2 | 1/4 | 1/2 |
| 2 5/8-2 3/4 | 5/8 | 5/16 | 5/8 |
| 2 3/4-3 1/4 | 3/4 | 3/8 | 3/4 |
| 3 5/8-3 3/4 | 7/8 | 7/16 | 3/4 |
| 3 3/4-4 1/2 | 1 | 1/2 | 3/4 |
| 4 3/8-5 1/2 | 1 1/4 | 5/8 | 3/4 |
| 5 3/8-6 1/2 | 1 1/2 | 3/4 | 1 |
| 6 3/8-7 1/2 | 1 3/4 | 7/8 | 1 |
| 7 3/8-8 1 5/16 | 2 | 3/4 | 1 |
| 9-10 1 5/16 | 2 1/2 | 7/8 | 1 |

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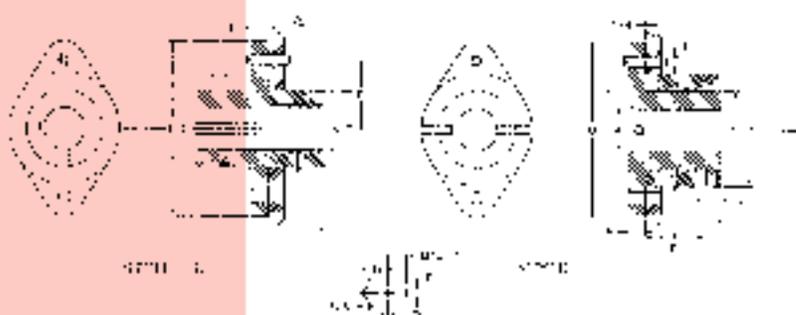
SPROCKET FEATURES

PHYSICAL PROPERTIES

We produce a special chemistry of gray iron that enhances the ability of the iron to form a hard "chilled" layer on the rim of the sprocket. All sprockets are a typical class 30 gray iron. This applies to all areas of the sprocket that are not chilled such as the hub and web areas.

All sprocket wear surfaces have a minimum brinell hardness of 400 in the rim areas which includes the entire tooth profile. This "chilled" hardness depth ranges from $\frac{3}{16}$ "- $\frac{1}{2}$ ". This compares to a typical brinell hardness of 200 in "unchilled" iron.

Our unique method of manufacture allows us to produce a sprocket with high hardness in the tooth area for long wear life while retaining a relatively soft and machinable hub area.



BORING

Standard Boring

Sprockets are bored to the sizes listed in the Sprocket Data Tables. Our factory holds all bores to the standard tolerances listed below. Bores larger than listed can always be supplied.

Tolerances for boring sprockets:

| | |
|-----------------------|--------------------|
| 1" Diameter and under | Nominal plus .001" |
| Over 1" to 2" | Nominal plus .002" |
| Over 2" to 3" | Nominal plus .003" |
| Over 3" to 4" | Nominal plus .004" |
| 4" and over | Nominal plus .005" |

PLAIN BORE

Sprockets are supplied with plain bores when keyways and setscrews are not to be furnished. Sprockets with plain bores should always be specified when ordering. When only bore is given, sprockets are automatically keywayed and set screws are installed.

CORE-TO-BORE

When ordering sprockets not standard stock, it is always desirable to specify what sprockets will be bored to, so that proper size hub and cores can be installed.

MACHINE FACING HUBS

Hubs will be faced to exact dimensions upon request, and at an additional charge. This refers to exact length of bore. Sprockets are normally furnished faced one side only. Set screws are placed on the unfinished side of the hub since the unfinished side operates on the open side of the installation.

LONGER THAN STANDARD HUBS

Standard hub lengths are those specified in the Hub Data Tables. If longer hubs are required, they are available at additional cost.

SHEAR PIN HUBS

Shear Pin Hubs are used as a safety device to protect machinery from overload. The shear pin hub is keyed to the shaft and connected to the loose wheel by a pin which will transmit only the normal power requirements plus a predetermined overload without shearing. The selection of a shear pin rated at slightly more than twice the torque requirements is usually the proper size to use. We offer two types of shear pin hubs:

STYLE 1 is the most popular of the two types because it requires less space than Style 2. On this type, the wheel is mounted on the flange hub and held in place by a collar.

STYLE 2 consists of the loose wheel and the flange hub both mounted on the shaft. A bearing or set collar should be placed against the free side of the wheel.

TRACTION WHEELS

Traction wheels are available in a wide range of size and type to fit most chains. They are furnished in plate center and spoked arm types either solid or split construction and in segmental rim type.

FLANGED WHEELS AND ROLLERS

Single and Double Flanged Wheels and Rollers are offered in a wide variety of tread diameters and tread widths. Also available are Plain Face Wheels.

FLAMECUT SPROCKETS

All sprockets listed in the Index can be supplied Flamecut from C1045 steel plate. Flame-Hardened teeth available upon request. This type sprocket can be provided when patterns do not exist.



SEGMENTAL RIM SPROCKET CAST IRON

SPROCKET RIMS [WITH BOLTS, WASHERS & NUTS] CHILLED RIM AVAILABLE

| CHAIN NUMBER | NUMBER OF TEETH | BODY NUMBER | PITCH DIAMETER | WEIGHT LBS. |
|--------------|-----------------|-------------|----------------|-------------|
| H-78 | 18 | 80 | 15.02 | 75 |
| H-78 | 24 | 120 | 19.99 | 98 |
| 103 | 20 | 120 | 19.00 | 80 |
| C-102B | 11 | 100 | 14.20 | 90 |
| C-102B | 12 | 100 | 14.20 | 90 |
| C-102B | 14 | 120 | 17.98 | 115 |
| C-102B | 15 | 120 | 19.24 | 120 |
| C-102B | 16 | 120 | 20.50 | 125 |
| C-102B | 18 | 100 | 23.04 | 135 |
| C-102B | 19 | 100 | 24.30 | 140 |
| C-102B | 20 | 200 | 25.57 | 195 |
| C-102B | 24 | 200 | 30.65 | 180 |
| C-102½ | 12 | 100 | 15.61 | 110 |
| C-102½ | 13 | 100 | 16.88 | 120 |
| C-102½ | 19 | 100 | 24.55 | 140 |
| C-110 | 8 | 100 | 15.68 | 45 |
| C-110 | 9 | 120 | 17.54 | 65 |
| C-110 | 10 | 120 | 19.42 | 75 |
| C-110 | 11 | 120 | 21.30 | 90 |
| C-110 | 12 | 100 | 23.18 | 100 |
| C-110 | 13 | 100 | 25.07 | 130 |
| C-110 | 16 | 200 | 30.75 | 170 |
| C-111 | 11 | 100 | 16.90 | 75 |
| C-111 | 12 | 120 | 18.39 | 85 |
| C-111 | 14 | 120 | 21.39 | 100 |
| C-111 | 16 | 100 | 25.07 | 130 |
| C-111 | 20 | 200 | 30.43 | 170 |
| C-131 | 16 | 100 | 15.76 | 70 |
| C-132 | 9 | 120 | 17.70 | 110 |
| C-132 | 12 | 100 | 23.38 | 145 |
| C-132 | 13 | 100 | 25.38 | 165 |
| 678 | 4 | 80 | 15.72 | 85 |
| 678 | 6 | 120 | 23.24 | 115 |
| 698 | 5 | 100 | 19.42 | 105 |
| 698 | 6 | 120 | 23.30 | 115 |
| 698 | 7 | 100 | 27.10 | 130 |
| 698 | 8 | 200 | 30.91 | 145 |
| 806 | 9 | 120 | 17.54 | 100 |
| 806 | 10 | 120 | 19.42 | 110 |
| 806 | 11 | 120 | 21.30 | 120 |
| 806 | 12 | 100 | 23.18 | 130 |
| 806 | 13 | 100 | 25.07 | 160 |
| 806 | 14 | 200 | 26.96 | 200 |
| 806 | 15 | 200 | 28.86 | 210 |
| 806 | 16 | 200 | 30.76 | 220 |
| H-124 | 12 | 80 | 15.45 | 100 |
| H-124 | 14 | 120 | 17.98 | 115 |
| 908 | 5 | 200 | 29.14 | 190 |

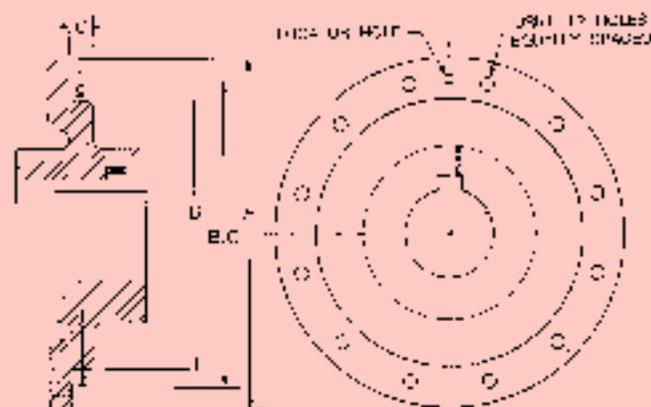
SEGMENTAL RIM TRACTION WHEELS CAST IRON



TRACTION WHEEL [WITH BOLTS, WASHERS & NUTS] CHILLED RIM AVAILABLE

| CHAIN NUMBER | OUT SIDE DIAMETER | BODY NUMBER | FACE WIDTH | WEIGHT LBS. |
|--------------|--------------------------------|-------------|-------------------------------|-------------|
| 88 | 14 | 80 | 1 ⁵ / ₈ | 95 |
| 88 | 15 | 100 | 1 ⁵ / ₈ | 98 |
| 88 | 20 | 120 | 1 ⁵ / ₈ | 105 |
| C-102B | 12 | 80 | 1 ⁷ / ₈ | 98 |
| C-102B | 14 | 80 | 1 ⁷ / ₈ | 95 |
| C-102B | 16 | 100 | 1 ⁷ / ₈ | 74 |
| C-102B | 18 | 120 | 1 ⁷ / ₈ | 88 |
| C-102B | 19 ³ / ₄ | 120 | 1 ⁷ / ₈ | 110 |
| C-102B | 23 ³ / ₄ | 160 | 1 ⁷ / ₈ | 125 |
| C-102B | 27 | 200 | 1 ⁷ / ₈ | 140 |
| C-102B | 29 ¹ / ₄ | 290 | 1 ⁷ / ₈ | 92 |
| C-111 | 15 ¹ / ₂ | 100 | 2 ⁵ / ₈ | 100 |
| C-111 | 20 | 160 | 2 ⁵ / ₈ | 128 |
| C-111 | 22 | 160 | 2 ⁵ / ₈ | 134 |
| C-111 | 24 | 160 | 2 ⁵ / ₈ | 145 |
| C-111 | 26 | 200 | 2 ⁵ / ₈ | 157 |
| C-111 | 30 | 290 | 2 ⁵ / ₈ | 170 |
| C-132 | 21 ¹ / ₂ | 160 | 2 ³ / ₄ | 125 |
| C-132 | 24 | 160 | 2 ³ / ₄ | 135 |
| 850 | 20 | 120 | 2 ³ / ₄ | 98 |
| 850 | 24 | 160 | 2 ³ / ₄ | 135 |
| 850 | 26 | 200 | 2 ³ / ₄ | 155 |
| 850 | 27 ³ / ₄ | 200 | 2 ³ / ₄ | 180 |
| 850 | 30 | 290 | 2 ³ / ₄ | 195 |
| 850* | 20 | 160 | 3 ¹ / ₂ | 132 |

NOTE: For C-110 and C-102¹/₂ Seg. Rim Traction Wheels Refer to C-102B.



BASIC BODY DESIGN

For use with Segmental sprocket Wheels and Traction Wheels. Design permits reversing rims for double life and central wheel location relative to the hubs.



SEGMENTAL RIM BODIES

| BODY NO. | BORE SIZE | SOLID | SPLIT |
|----------|---------------------------------|-------|-------|
| | | WT. | WT. |
| 80 | 1 ¹⁵ / ₁₆ | 22 | — |
| | 2 ¹ / ₁₆ | 24 | — |
| | 2 ¹⁵ / ₁₆ | 34 | — |
| 100 | 1 ¹⁵ / ₁₆ | 42 | 46 |
| | 2 ¹ / ₁₆ | 44 | 52 |
| | 2 ¹⁵ / ₁₆ | 54 | 67 |
| | 3 ¹ / ₁₆ | 62 | — |
| | 3 ¹⁵ / ₁₆ | 72 | — |
| | 4 ¹ / ₁₆ | 76 | — |
| 120 | 1 ¹⁵ / ₁₆ | 50 | 54 |
| | 2 ¹ / ₁₆ | 52 | 60 |
| | 2 ¹⁵ / ₁₆ | 62 | 75 |
| | 3 ¹ / ₁₆ | 70 | 82 |
| | 3 ¹⁵ / ₁₆ | 80 | — |
| | 4 ¹ / ₁₆ | 84 | — |
| | 4 ¹⁵ / ₁₆ | 92 | — |

| BODY NO. | BORE SIZE | SOLID | SPLIT |
|--------------------------------|---------------------------------|-------|-------|
| | | WT. | WT. |
| 160 | 2 ¹ / ₁₆ | 90 | 98 |
| | 2 ¹⁵ / ₁₆ | 100 | 113 |
| | 3 ¹ / ₁₆ | 108 | 119 |
| | 3 ¹⁵ / ₁₆ | 118 | 138 |
| | 4 ¹ / ₁₆ | 122 | 142 |
| | 4 ¹⁵ / ₁₆ | 130 | — |
| | 5 ¹ / ₁₆ | 143 | — |
| | 5 ¹⁵ / ₁₆ | 154 | — |
| 200 | 2 ¹ / ₁₆ | 125 | 133 |
| | 2 ¹⁵ / ₁₆ | 135 | 148 |
| | 3 ¹ / ₁₆ | 143 | 154 |
| | 3 ¹⁵ / ₁₆ | 153 | 173 |
| | 4 ¹ / ₁₆ | 157 | 177 |
| | 4 ¹⁵ / ₁₆ | 165 | 208 |
| | 5 ¹ / ₁₆ | 178 | 221 |
| | 5 ¹⁵ / ₁₆ | 189 | 250 |
| 6 ¹ / ₁₆ | 215 | — | |

| BODY NO. | BORE SIZE | SOLID | SPLIT |
|----------|---------------------------------|-------|-------|
| | | WT. | WT. |
| 250 | 2 ¹ / ₁₆ | 180 | 188 |
| | 2 ¹⁵ / ₁₆ | 190 | 203 |
| | 3 ¹ / ₁₆ | 198 | 209 |
| | 3 ¹⁵ / ₁₆ | 208 | 228 |
| | 4 ¹ / ₁₆ | 212 | 232 |
| | 4 ¹⁵ / ₁₆ | 220 | 263 |
| | 5 ¹ / ₁₆ | 233 | 276 |
| | 5 ¹⁵ / ₁₆ | 244 | 289 |
| 315 | 6 ¹ / ₁₆ | 270 | 316 |
| | 2 ¹ / ₁₆ | 266 | 274 |
| | 2 ¹⁵ / ₁₆ | 276 | 289 |
| | 3 ¹ / ₁₆ | 284 | 295 |
| | 3 ¹⁵ / ₁₆ | 294 | 314 |
| | 4 ¹ / ₁₆ | 298 | 318 |
| | 4 ¹⁵ / ₁₆ | 306 | 349 |
| | 5 ¹ / ₁₆ | 319 | 362 |
| | 5 ¹⁵ / ₁₆ | 330 | 375 |
| | 6 ¹ / ₁₆ | 356 | 402 |

| BODY NO. | MINIMUM FITCH DIAMETER | | | | | | |
|----------|------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--|
| | 80 | 12" | | | | | |
| 100 | | 15 ¹ / ₂ " | | | | | |
| 120 | | | 17 ¹ / ₂ " | | | | |
| 160 | | | | 21 ¹ / ₂ " | | | |
| 200 | | | | | 25 ¹ / ₂ " | | |
| 250 | | | | | | 30 ¹ / ₂ " | |
| 315 | | | | | | 37" | |

TRACTION WHEELS



CHAINS 88 TRACTION WHEELS FACE-15/16"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|---------|--------|
| 10 | 2 7/16 | 30 |
| 12 | 2 15/16 | 45 |
| 12 1/2 | 2 15/16 | 50 |
| 13 1/4 | 2 15/16 | 58 |
| 14 | 2 15/16 | 62 |
| 15 | 2 15/16 | 65 |
| 15 1/2 | 2 15/16 | 68 |
| 16 | 2 15/16 | 70 |
| 18 | 2 15/16 | 75 |
| 19 | 2 15/16 | 80 |
| 20 | 2 15/16 | 85 |

CHAINS H62, C131, 4103, 66131 103, 730 TRACTION WHEELS FACE-1 1/8"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|---------|--------|
| 7 | 1 15/16 | 25 |
| 9 3/8 | 2 1/16 | 38 |
| 14 3/8 | 2 15/16 | 49 |
| 16 | 2 15/16 | 60 |
| 17 | 2 15/16 | 70 |
| 18 | 2 15/16 | 75 |
| 20 | 2 15/16 | 90 |
| 22 | 2 15/16 | 115 |
| 22 1/2 | 2 15/16 | 125 |
| 24 | 2 15/16 | 135 |
| 26 3/8 | 2 15/16 | 170 |

CHAINS H60, C55 TRACTION WHEELS FACE-1 1/16"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|--------|--------|
| 8 | 2 1/16 | 24 |
| 18 3/4 | 2 7/16 | 65 |

CHAINS C102B, C110, C1021/2 TRACTION WHEELS FACE-1 7/8"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|---------|--------|
| 12 | 2 15/16 | 50 |
| 13 1/2 | 2 15/16 | 60 |
| 14 | 2 15/16 | 63 |
| 14 3/8 | 2 15/16 | 68 |
| 15 3/4 | 2 15/16 | 78 |
| 16 3/4 | 2 15/16 | 80 |
| 17 | 2 15/16 | 92 |
| 18 | 2 15/16 | 100 |
| 19 3/4 | 2 15/16 | 106 |
| 21 | 2 15/16 | 117 |
| 22 | 2 15/16 | 127 |
| 22 3/4 | 2 15/16 | 135 |
| 23 | 2 15/16 | 139 |
| 23 3/4 | 2 15/16 | 143 |
| 27 3/8 | 3 7/16 | 160 |
| 29 3/8 | 3 7/16 | 166 |
| 33 | 3 7/16 | 175 |

CHAINS C111 TRACTION WHEELS FACE-2 1/4"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|---------|--------|
| 9 1/2 | 2 7/16 | 50 |
| 14 3/16 | 2 15/16 | 65 |
| 15 1/2 | 2 15/16 | 91 |
| 18 | 2 15/16 | 105 |
| 20 | 3 7/16 | 135 |
| 22 | 3 7/16 | 143 |
| 23 | 3 7/16 | 146 |
| 23 3/4 | 3 7/16 | 149 |
| 26 | 3 7/16 | 165 |
| 29 1/2 | 3 7/16 | 196 |
| 30 3/4 | 3 7/16 | 210 |

CHAINS C132 TRACTION WHEELS FACE-2 3/4"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|--------|--------|
| 13 | 3 7/16 | 120 |
| 13 3/4 | 3 7/16 | 124 |
| 16 | 3 7/16 | 128 |
| 17 | 3 7/16 | 138 |
| 18 | 3 7/16 | 147 |
| 21 3/8 | 3 7/16 | 166 |
| 22 | 3 7/16 | 190 |
| 24 | 3 7/16 | 205 |
| 26 3/16 | 3 7/16 | 210 |
| 27 3/4 | 3 7/16 | 225 |
| 30 | 3 7/16 | 280 |

CHAINS 6655G TRACTION WHEELS FACE-2 5/8"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|--------|--------|
| 20 | 3 7/16 | 170 |
| 21 1/2 | 3 7/16 | 187 |
| 26 | 3 7/16 | 200 |
| 27 3/4 | 3 7/16 | 218 |
| 29 1/2 | 3 7/16 | 225 |
| 30 | 3 7/16 | 236 |

CHAINS 720 TRACTION WHEELS FACE-T"

| OUTSIDE DIAMETER | BORE | WEIGHT |
|------------------|--------|--------|
| 15 | 3 7/16 | 170 |
| 15 1/2 | 3 7/16 | 187 |
| 18 1/4 | 3 7/16 | 200 |

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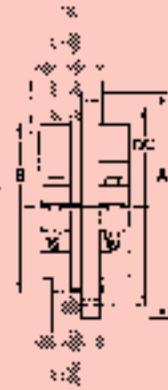
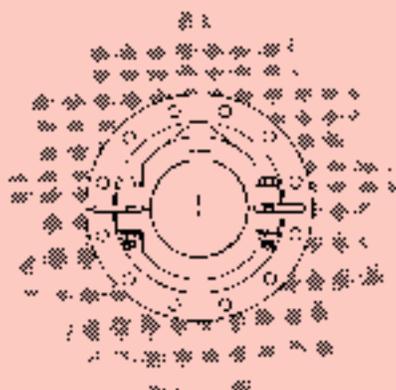
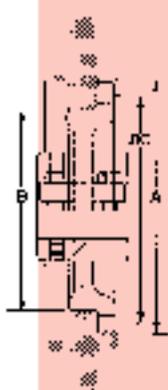
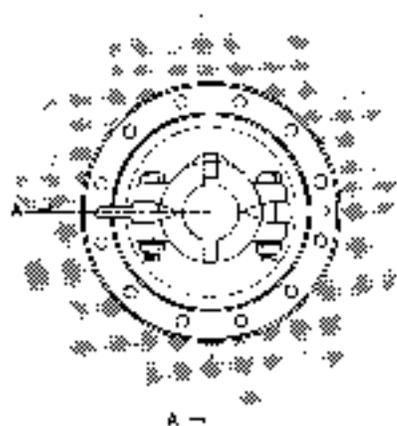
CHILLED RIM DISHED SPROCKETS

| SPROCKET | DWG. | P.D. | WT. | BORE ⁽¹⁾ | HUB DIA. | LTB. | MAX. O ⁽³⁾ |
|--------------|-------|-------|-----|---------------------------------|-------------------------------|-------------------------------|--------------------------------|
| H78T18 | W3224 | 15.02 | 90 | 2 ¹⁵ / ₁₆ | 5 ¹ / ₂ | 5 ¹ / ₂ | 3 |
| H78T30 | W2085 | 24.96 | 200 | 3 ⁷ / ₁₆ | 6 | 5 ¹ / ₂ | 3 ³ / ₄ |
| H78T40 | W2026 | 33.25 | 295 | 3 ¹⁵ / ₁₆ | 8 | 5 | 6 ¹ / ₄ |
| H78T40 | W2040 | 33.25 | 210 | 2 ⁷ / ₁₆ | 5 | 4 ³ / ₈ | 2 ³ / ₈ |
| W78T40 | W2107 | 33.25 | 250 | 3 ⁷ / ₁₆ | 6 | 5 | 1 ¹ / ₂ |
| H78T40 | W2834 | 33.25 | 300 | 3 ¹⁵ / ₁₆ | 8 | 5 | 4 ¹ / ₄ |
| H78T40 | W2575 | 33.25 | 265 | 3 ¹⁵ / ₁₆ | 8 | 5 ¹ / ₈ | 5 ³ / ₈ |
| H78T40 | W2364 | 33.25 | 335 | 3 ¹⁵ / ₁₆ | 8 | 7 ³ / ₄ | 6 ¹ / ₄ |
| H78T40 | W2062 | 33.25 | 390 | 4 ⁷ / ₁₆ | 7 ³ / ₄ | 8 | 5 ¹ / ₈ |
| H78T40 | W2065 | 33.25 | 305 | 3 ¹⁵ / ₁₆ | 8 | 5 | 6 ¹ / ₂ |
| H78T48 | W2029 | 39.89 | 350 | 4 ¹⁵ / ₁₆ | 8 ¹ / ₂ | 5 | 6 ¹ / ₄ |
| H78T48 | W2760 | 39.89 | 425 | 4 ¹⁵ / ₁₆ | 8 ¹ / ₂ | 8 ¹ / ₄ | 6 ¹ / ₄ |
| H78T48 | W2839 | 39.89 | 495 | 4 ¹⁵ / ₁₆ | 8 ¹ / ₂ | 8 ¹ / ₄ | 4 ³ / ₄ |
| H78T48 | W3213 | 39.89 | 390 | 3 ¹⁵ / ₁₆ | 6 ³ / ₄ | 8 | 5 ³ / ₁₆ |
| H78T30 (60P) | W2047 | 49.78 | 950 | 4 ¹⁵ / ₁₆ | 8 ¹ / ₂ | 6 ¹ / ₈ | 6 ⁷ / ₈ |
| 4103T40 | W2560 | 39.19 | 415 | 4 ¹⁵ / ₁₆ | 8 ¹ / ₂ | 6 ¹ / ₂ | 6 ⁷ / ₈ |
| 77T38 | W2572 | 27.94 | 185 | 2 ¹⁵ / ₁₆ | 6 | 3 ³ / ₄ | 2 ⁷ / ₃₂ |
| 77T44 | W2835 | 32.94 | 265 | 3 ⁷ / ₁₆ | 8 | 5 | 5 ⁷ / ₈ |
| 445T44 (2) | W2861 | 22.85 | 150 | 2 ³ / ₁₆ | 3 ¹ / ₂ | 2 ¹ / ₄ | 3 ³ / ₄ |

(1) MAX. BORE AT REGULAR PRICE

(2) NOT CHILLED RIM

(3) MAXIMUM OFFSET

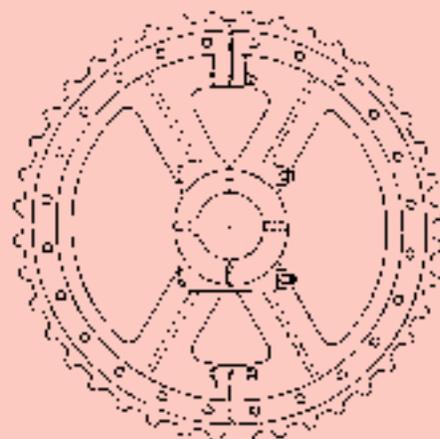


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FLAME CUT, CAST IRON CHILLED RIM AVAILABLE SIZES



| CHAIN NO. | PITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|------------------|-----------|---------------------------------------|
| 25 | .907 | Steel Detachable | 12 TO 25 | 6,10 |
| 32 | 1.157 | Steel Detachable | 6 TO 25 | 9-11,13,16,22,25,38 |
| 32 | 1.157 | Steel Detachable | 6 TO 25 | 9-11,13,16,22,25,38 |
| 42 | 1.375 | Steel Detachable | 6 TO 25 | 8,9,20,24,26 |
| 50 | 1.375 | Steel Detachable | 6 TO 25 | |
| 51 | 1.133 | Steel Detachable | 6 TO 25 | 11,15,17,21 |
| 62 | 1.908 | Steel Detachable | 6 TO 25 | 7-16,18,20,22,24 |
| 65 | 1.630 | Steel Detachable | 5 TO 25 | 6-24,26-28,30,32,35,36,38-40,52,58 |
| 62 | 1.654 | Steel Detachable | 6 TO 25 | 6-20,22,24,26,28,30,32,38,40,42,45,48 |
| 62 | 1.654 | Steel Detachable | 6 TO 25 | 6-20,22,24,26,28,30,32,38,40,42,45,48 |
| 62 | 1.654 | Steel Detachable | 6 TO 25 | 6-20,22,24,26,28,30,32,38,40,42,45,48 |
| 67 | H | Steel Detachable | 6 TO 25 | 6-20,22,24,26,28,30,32,38,40,42,45,48 |
| 67 | H | Steel Detachable | 6 TO 15 | NEED TO CALL CHECK ON PATTERN |
| 67 | W | Steel Detachable | 6 TO 15 | NEED TO CALL CHECK ON PATTERN |
| 67 | XH | Steel Detachable | 6 TO 15 | NEED TO CALL CHECK ON PATTERN |
| 70 | 2.013 | Steel Detachable | 6 TO 15 | |
| 72 | 2.025 | Steel Detachable | 6 TO 15 | |
| S | 2.906 | Steel Detachable | 6 TO 15 | |

| CHAIN NO. | PITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|---------------|-----------|---------------------------------|
| WH 78 | 2.609 | Welded Steel | 6 TO 30 | 5-38,40,42-46,48,52,55 |
| WR 78 | 2.609 | Welded Steel | 6 TO 30 | 5-38,40,42-46,48,52,55 |
| WH 82 | 3.075 | Welded Steel | 6 TO 30 | 6-22,24-28,30-32,34,38,40,42,48 |
| WR 82 | 3.075 | Welded Steel | 6 TO 30 | 6-22,24-28,30-32,34,38,40,42,48 |
| WD 102 | 5.000 | Welded Steel | 6 TO 24 | 6-2,22,24 |
| WD 104 | 6.000 | Welded Steel | 6 TO 20 | 5 TO 13 |
| WR 106 | 6.000 | Welded Steel | 6 TO 20 | 8-11,13,15 |
| WD 110 | 6.000 | Welded Steel | 5 TO 20 | 6-14,16,19,19HT,23HT,24,25HT |
| WH 110 | 6.000 | Welded Steel | 6 TO 20 | 6-14,16,19,19HT,23HT,24,25HT |
| WR 110 | 6.000 | Welded Steel | 6 TO 20 | 6-14,16,19,19HT,23HT,24,25HT |
| WD 112 | 8.000 | Welded Steel | 6 TO 12 | 7,8,10 |
| WD 116 | 8.000 | Welded Steel | 6 TO 12 | 6,7,8,9 |
| WD 118 | 8.000 | Welded Steel | 6 TO 12 | 7,8 |
| WD 120 | 6.000 | Welded Steel | 6 TO 12 | 6,8,9,10 |
| WD 122 | 8.000 | Welded Steel | 6 TO 12 | 7 |
| WH 124 | 4.000 | Welded Steel | 6 TO 18 | 9-12,14,16,20,24 |
| WR 124 | 5.000 | Welded Steel | 6 TO 18 | 9-12,14,16,20,24 |
| WH 132 | 6.050 | Welded Steel | 6 TO 20 | 5,6,8-16,18,19,19HT,20 |
| WR 132 | 6.050 | Welded Steel | 6 TO 20 | 5,6,8-16,18,19,19HT,20 |
| WH 150 | 6.050 | Welded Steel | 6 TO 20 | 5,6,8-16,18,19,19HT,20 |
| WR 150 | 6.050 | Welded Steel | 6 TO 20 | 5,6,8-16,18,19,19HT,20 |
| WD 480 | 8.050 | Welded Steel | 6 TO 12 | 6,7,8,9,10 |

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FLAME CUT, CAST IRON CHILLED RIM AVAILABLE SIZES

| CHAIN NO. | FITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-------------|-------|---------------------------|-----------|------------------------------------------|
| SS 81 X | 2.009 | Elevator & Conveyor Chain | 6 TO 30 | 5-38,40,42,43-46,48,52,55 |
| SS 102 B | 4.000 | Elevator & Conveyor Chain | 6 TO 19 | 6-20,22,24 |
| SS 110 | 6.000 | Elevator & Conveyor Chain | 6 TO 16 | 6-14,16,19,19HT,23HT,24,25HT |
| SS 111 | 4.750 | Elevator & Conveyor Chain | 7 TO 12 | 7-18,20,24 |
| SS 131 | 3.075 | Elevator & Conveyor Chain | 6 TO 20 | 6-22,24-28,30-32,34,38,40,42,48 |
| MISR 149 | 4.000 | Elevator & Conveyor Chain | 6 TO 17 | 6,8,10-12,16,17 |
| SS 150+ | 6.050 | Elevator & Conveyor Chain | 5 TO 20 | 5,6,8-16,18,19,19HT,20 |
| SS 188 | 2.009 | Elevator & Conveyor Chain | 6 TO 30 | 5-38,40,42,43-46,48,52,55 |
| MISR 303 | 3.000 | Elevator & Conveyor Chain | 7 TO 12 | |
| SS 856 | 6.000 | Elevator & Conveyor Chain | 7 TO 19 | 7,8,10-16,19 |
| SS 857 | 6.000 | Elevator & Conveyor Chain | 7 TO 13 | |
| SS 859 | 6.000 | Elevator & Conveyor Chain | 9 TO 13 | 13 |
| MISR 944+ | 6.000 | Elevator & Conveyor Chain | 6 TO 10 | |
| MISR 996 | 6.000 | Elevator & Conveyor Chain | 6 TO 20 | 6-10,12,13,15,20 |
| MISR 1114 | 6.000 | Elevator & Conveyor Chain | 5 TO 18 | 5-16,18 |
| MISR 1116 | 6.000 | Elevator & Conveyor Chain | 5 TO 18 | 5-16,18 |
| MISR 1539 | 3.075 | Elevator & Conveyor Chain | 6 TO 30 | 6-18,20-22,24,26,28,30,32-38,40,42,48,55 |
| MISR 1617 | 6.000 | Elevator & Conveyor Chain | 6 TO 15 | 6-10,12,15 |
| MISR 2184 P | 6.000 | Elevator & Conveyor Chain | 6 TO 16 | 6,8,11-14,16 |
| MISR 2188 | 4.000 | Elevator & Conveyor Chain | 6 TO 15 | 6,8,10,12,15 |
| MISR 3013 | 3.000 | Elevator & Conveyor Chain | 6 TO 24 | 6-16,18-20,22,24 |
| MISR 4013 | 4.000 | Elevator & Conveyor Chain | 5 TO 27 | 5-12,14-16,18,19,24,27 |
| MISR 4019 | 4.000 | Elevator & Conveyor Chain | 5 TO 27 | 5-12,14-16,18,19,24,27 |
| MISR 4119 | 4.000 | Elevator & Conveyor Chain | 6 TO 16 | |
| MISR 4216 | 4.000 | Elevator & Conveyor Chain | 7 TO 20 | 7,9,12,16,18,19,20,24 |
| MISR 4328 | 4.000 | Elevator & Conveyor Chain | 6 TO 20 | 6,8,10-12,16,17 |
| MISR 6018 | 6.000 | Elevator & Conveyor Chain | 5 TO 20 | 5-16,18 |
| MISR 6238 | 6.000 | Elevator & Conveyor Chain | 6 TO 15 | 6-10,12,15 |

| CHAIN NO. | FITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|---------------|-----------|---------------------------------------------|
| MXS 88 B | 5.750 | Drive Chain | 6 TO 20 | |
| MXS 881 | 2.009 | Drive Chain | 6 TO 30 | 5 TO 35 |
| MXS 882 | 2.009 | Drive Chain | 6 TO 30 | 5 TO 35 |
| MXS 1031 | 3.075 | Drive Chain | 6 TO 20 | 6-18,20-22,24,26,28,30,32,33-38,40,42,48,55 |
| MXS 1242 | 4.063 | Drive Chain | 6 TO 18 | 8,9,11-14,18,27,30,32,37 |
| MXS 1245 | 4.073 | Drive Chain | 6 TO 18 | 8,9,11-14,18,27,30,32,37 |
| MXS 2070 | 2.000 | Drive Chain | 6 TO 18 | |
| MXS 3011 | 3.067 | Drive Chain | 6 TO 20 | |
| MXS 3075 | 3.075 | Drive Chain | 6 TO 20 | 6-18,20-22,24,26,28,30,32-38,40,42,48,55 |
| MXS 3514 | 3.900 | Drive Chain | 6 TO 20 | |
| MXS 4522 | 4.900 | Drive Chain | 8 TO 20 | |
| MXS 5031 | 5.000 | Drive Chain | 8 TO 15 | |
| MXS 6042 | 6.000 | Drive Chain | 6 TO 16 | |
| MSS 6065 | 6.000 | Drive Chain | 6 TO 16 | |

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FLAME CUT, CAST IRON CHILLED RIM AVAILABLE SIZES



| CHAIN NO. | PITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|---------------|-----------|---------------|
| X 348 | 3.031 | Drop Forged | 4 TO 7 | 4,5,6, 10, 12 |
| X 458 | 4.031 | Drop Forged | 4 TO 7 | 4 TO 10 |
| 468 | 4.031 | Drop Forged | 4 TO 7 | 4 TO 8 |
| 658 | 6.031 | Drop Forged | 4 TO 7 | 6,8,9, 10, 12 |
| 678 | 6.031 | Drop Forged | 4 TO 7 | 4,5,6,8 |
| X 678 | 6.031 | Drop Forged | 4 TO 7 | 4,5,6,8 |
| 698 | 6.031 | Drop Forged | 4 TO 7 | 5 TO 8 |
| 9118 | 9.031 | Drop Forged | 4 TO 7 | |
| 9148 | 9.031 | Drop Forged | 4 TO 7 | |

| CHAIN NO. | PITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|-------------------|-----------|-----------------------------------------------------------|
| C 55 | 1.631 | Combination Chain | 5 TO 25 | 6-24,26-28,30,32,35,36,38-40, 62,68 |
| C 55 L | 1.631 | Combination Chain | 5 TO 25 | 6-24,26-28,30,32,35,36,38-40, 62,68 |
| C 60 | 2.307 | Combination Chain | 6 TO 18 | 5-20,22,24-27,32-35, 41,44 |
| C 77 | 2.308 | Combination Chain | 6 TO 15 | 5-20,22,24-27,32-35, 41,44 |
| C 102 B | 4.000 | Combination Chain | 6 TO 19 | 6-20,22,24 |
| C 102 1/2 | 4.040 | Combination Chain | 6 TO 19 | 8, 10-16, 18-20,22,24 |
| C 110 | 6.000 | Combination Chain | 6 TO 16 | 6-14, 16, 19, 19HT,23HT,24,26HT T INDICATES HURTING TOOTH |
| C 111 | 4.760 | Combination Chain | 7 TO 12 | 7-18,20,24 |
| C 111 C | 4.760 | Combination Chain | 7 TO 12 | 7-18,20,24 |
| C 131 | 3.075 | Combination Chain | 6 TO 20 | 6-22,24-28,30-32,34,38, 40,42,48 |
| C 132 | 6.050 | Combination Chain | 6 TO 12 | 5,6,8-16, 18, 19, 19HT,20 |
| MBP 132 | 6.050 | Combination Chain | 6 TO 12 | 5,6,8-16, 18, 19, 19HT,20 |
| MBP 132 C | 6.050 | Combination Chain | 6 TO 12 | 5,6,8-16, 18, 19, 19HT,20 |
| PW 132 | 6.050 | Combination Chain | 6 TO 12 | 5,6,8-16, 18, 19, 19HT,20 |
| C 133 | 6.000 | Combination Chain | 6 TO 19 | 6,8,11,19 |
| BRH 188 | 2.609 | Combination Chain | 6 TO 30 | 5-38,40,42-46,48, 62,65 |
| C 188 | 2.609 | Combination Chain | 6 TO 30 | 5-38,40,42-46,48, 62,65 |
| MIW 188 | 2.609 | Combination Chain | 6 TO 30 | 5-38,40,42-46,48, 62,65 |
| MIWS 188 | 2.609 | Combination Chain | 6 TO 30 | 5-38,40,42-46,48, 62,65 |

| CHAIN NO. | PITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|---------------|-----------|----------------------------------|
| H 60 | 2.308 | Mill Chain | 5 TO 44 | 5-20,22,24-27,32-35, 41,44 |
| H 74 | 2.609 | Mill Chain | 5 TO 65 | 5-38,40,42-46,48, 62,65 |
| H 78 | 2.609 | Mill Chain | 5 TO 65 | 5-38,40,42-46,48, 62,65 |
| H 79 | 2.609 | Mill Chain | 5 TO 65 | 5-38,40,42-46,48, 62,65 |
| H 82 | 3.075 | Mill Chain | 6 TO 48 | 6-22,24-28,30-32,34,38, 40,42,48 |
| H 87 | 4.000 | Mill Chain | 6 TO 48 | |
| H 124 | 4.000 | Mill Chain | 7 TO 28 | 7-18,20,24,28 |

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FLAME CUT, CAST IRON CHILLED RIM AVAILABLE SIZES

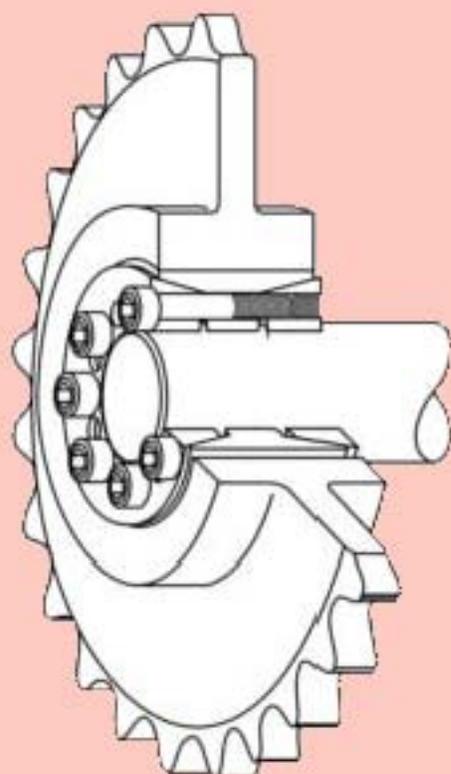
| CHAIN NO. | FITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|---------------|-----------|------------|
| H 102 | 5.000 | Drag Chain | 7 TO 12 | 6 TO 12 |
| H 104 | 6.000 | Drag Chain | 7 TO 12 | 5 TO 12 |
| H 110 | 6.000 | Drag Chain | 6 TO 12 | 6 TO 12 |
| H 112 | 8.000 | Drag Chain | 7 TO 12 | 6 TO 9 |
| H 116 | 8.000 | Drag Chain | 7 TO 12 | |
| H 120 | 6.000 | Drag Chain | 7 TO 12 | 6 TO 13 |
| H 480 | 8.000 | Drag Chain | 7 TO 12 | 6 TO 12,16 |
| 6104 | 6.000 | Drag Chain | 7 TO 12 | 5 TO 10 |
| 6110 | 6.000 | Drag Chain | 6 TO 12 | 6 TO 12 |
| 8480 | 8.000 | Drag Chain | 7 TO 12 | 6 TO 12,16 |

| CHAIN NO. | FITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|------------------|-----------|---------------------------------------|
| 442 | 1.375 | 400 Class Pintle | 7 TO 25 | 8,9,20,24,26 |
| 445 | 1.630 | 400 Class Pintle | 5 TO 25 | 6-27,28,30,32,35,36,38,39,40,52,58 |
| 452 | 1.906 | 400 Class Pintle | 7 TO 25 | 7-16,18,20,22,24 |
| 455 | 1.630 | 400 Class Pintle | 5 TO 25 | 6-27,28,30,32,35,36,38,39,40,52,58 |
| 462 | 1.634 | 400 Class Pintle | 6 TO 25 | 6-20,22,24,26,28,30,32,38,40,42,45,48 |
| 477 | 2.308 | 400 Class Pintle | 6 TO 15 | 5-20,22,24,25,26,27,32,33,34,35,41,44 |
| 488 | 2.609 | 400 Class Pintle | 6 TO 30 | 5 TO 35 |
| 4103 | 3.075 | 400 Class Pintle | 6 TO 20 | 6-22,24-28,30-32,34,38,40,42,48 |

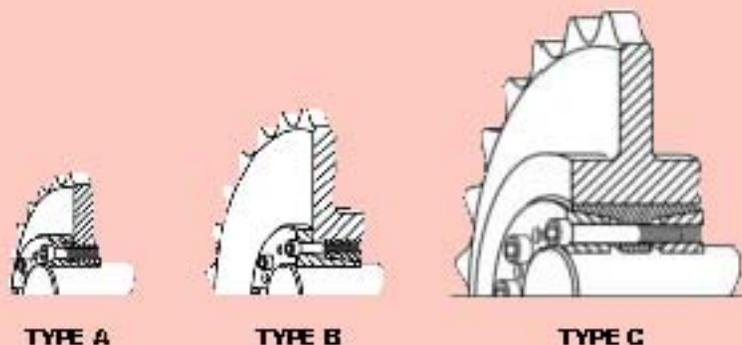
| CHAIN NO. | FITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|------------------|-----------|-----------------------------------------------------|
| 720 | 6.000 | 700 Class Pintle | 6 TO 40 | 6,8-13,15-19,21,23,25,40,41,HUNTING TOOTH AVAILABLE |
| MS 720 S | 6.000 | 700 Class Pintle | 6 TO 40 | 6,8-13,15-19,21,23,25,40,41,HUNTING TOOTH AVAILABLE |
| MS 720 S | 6.000 | 700 Class Pintle | 6 TO 40 | 6,8-13,15-19,21,23,25,40,41,HUNTING TOOTH AVAILABLE |
| 730 | 6.000 | 700 Class Pintle | 6 TO 40 | 6,8-16,19 |
| MS 730 | 6.000 | 700 Class Pintle | 6 TO 40 | 6,8-16,19 |
| 788 | 2.609 | 700 Class Pintle | 6 TO 30 | 5 TO 35 |

| CHAIN NO. | FITCH | TYPE OF CHAIN | FLAME CUT | C.I.C.R. |
|-----------|-------|-----------------|-----------|---------------------------------------|
| 25 | .902 | Cast Detachable | 12 TO 25 | 6,10 |
| 32 | 1.154 | Cast Detachable | 6 TO 25 | 9-11,13,16,22,25,38 |
| 33 | 1.394 | Cast Detachable | 6 TO 25 | |
| 42 | 1.375 | Cast Detachable | 6 TO 25 | 8,9,20,24,26 |
| 45 | 1.630 | Cast Detachable | 6 TO 25 | 6-24,26-28,30,32,35,36,38-40,52,58 |
| S 51 | 1.155 | Cast Detachable | 6 TO 25 | 11,15,17,21 |
| S 51 | 1.136 | Cast Detachable | 6 TO 25 | |
| 52 | 1.906 | Cast Detachable | 6 TO 25 | 7-16,18,20,22,24 |
| 55 | 1.631 | Cast Detachable | 6 TO 25 | 6-24,26-28,30,32,35,36,38-40,52,58 |
| 57 | 2.308 | Cast Detachable | 6 TO 25 | 5-20,22,24-27,32-35,41,44 |
| S 62 | 1.654 | Cast Detachable | 6 TO 25 | 6-20,22,24,26,28,30,32,38,40,42,45,48 |
| S 62 | 1.654 | Cast Detachable | 6 TO 25 | |
| 67 | 2.308 | Cast Detachable | 6 TO 15 | 5-20,22,24-27,32-35,41,44 |
| 75 | 2.609 | Cast Detachable | 6 TO 15 | 5-38,40,42-46,48,52,55 |
| 77 | 2.297 | Cast Detachable | 6 TO 15 | 5-20,22,24-27,32-35,41,44 |
| 78 | 2.609 | Cast Detachable | 6 TO 30 | 5-38,40,42-46,48,52,55 |
| 88 | 2.609 | Cast Detachable | 6 TO 30 | 5-38,40,42-46,48,52,55 |
| 103 | 3.075 | Cast Detachable | 6 TO 20 | 6-22,24-28,30-32,34,38,40,42,48 |
| 124 | 4.063 | Cast Detachable | 6 TO 18 | 9-12,14,16,20,24 |

KEYLESS LOCKING DEVICES



Keyless Locking Devices provide heavy duty, worry-free connections for all types of sprockets . . .



Allied-Locke sprockets can be bored to accept industry-standard Keyless Locking Devices, which can be used in lieu of keys and setcrews to provide zero-backlash, easily adjustable shaft-sprocket connections.

ZERO BACKLASH

Keyless Locking Devices eliminate the backlash associated with keyed connections. This backlash frequently leads to keys wallowing or pounding out in applications with intermittent or reversing motion. Keyless Locking Devices provide a permanent solution to this problem and can be mounted directly over existing keyways.

SIMPLE COMPONENT TIMING

Keyless Locking Devices permit quick and easy radial and axial adjustment of sprocket connections, accomplished with simple hand tools and without removing components from the shaft, greatly simplifying the process of timing components.

SELECTION PROCEDURE

Required data include the shaft size (units are available starting at 1/4" or 6 mm), the desired sprocket size and type and the peak torque to be transmitted, inclusive of any required Safety Factor.

**PLEASE CONTACT ALLIED-LOCKE
FOR KEYLESS LOCKING DEVICE
SELECTION ASSISTANCE.**



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| 06B | 12 | .316 | Nitto Roller Chain | |
| 08B | 12 | .376 | Nitto Roller Chain | |
| 08B-2 | 12 | .376 | Nitto Roller Chain | |
| 08B-3 | 12 | .376 | Nitto Roller Chain | |
| 08B | 12 | .600 | Nitto Roller Chain | |
| 08B-2 | 12 | .600 | Nitto Roller Chain | |
| 08B-3 | 12 | .600 | Nitto Roller Chain | |
| 10B | 12 | .625 | Nitto Roller Chain | |
| 10B-2 | 12 | .625 | Nitto Roller Chain | |
| 10B-3 | 12 | .625 | Nitto Roller Chain | |
| 12B | 12 | .760 | Nitto Roller Chain | |
| 12B-2 | 12 | .760 | Nitto Roller Chain | |
| 12B-3 | 12 | .760 | Nitto Roller Chain | |
| 16B | 12 | 1.000 | Nitto Roller Chain | |
| 16B-2 | 12 | 1.000 | Nitto Roller Chain | |
| 16B-3 | 12 | 1.000 | Nitto Roller Chain | |
| 20B | 12 | 1.250 | Nitto Roller Chain | |
| 20B-2 | 12 | 1.250 | Nitto Roller Chain | |
| 20B-3 | 12 | 1.250 | Nitto Roller Chain | |
| 8D21 | 178 | 9.000 | Cast Alloy Drag Chain | 188 |
| 8D23 | 178 | 9.000 | Cast Alloy Drag Chain | |
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| 25 | 68 | .904 | Steel Detachable | 228 |
| 25 | 6 | .250 | Precision Roller Chain | 202,209 |
| 25-P | 16 | .250 | Nickel Plate | |
| 25SS | 17 | .250 | Stainless Steel | |
| 8D27 | 178 | 9.000 | Cast Alloy Drag Chain | 188 |
| 8D28 | 178 | 9.000 | Cast Alloy Drag Chain | |
| 8D29 | 178 | 9.000 | Cast Alloy Drag Chain | |
| 32 | 148 | 1.164 | Cast Detachable | 228 |
| 32 | 68 | 1.167 | Steel Detachable | 228 |
| 32B | 12 | 2.000 | Nitto Roller Chain | |
| 32W | 68 | 1.167 | Steel Detachable | 228 |
| 33 | 68 | 1.402 | Steel Detachable | |
| MC33 | 163 | 2.600 | Double Flex | |
| 35 | 6 | .376 | Precision Roller Chain | 202,203,209 |
| 35-A1 | 24 | .376 | Attachment Chain | |
| 35-D1 | 25 | .376 | Attachment Chain | |
| 35-D3 | 25 | .376 | Attachment Chain | |
| 35-H1 | 24 | .376 | Attachment Chain | |
| 35-H11 | 25 | .376 | Attachment Chain | |
| 35-M3C | 25 | .376 | Attachment Chain | |
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| 35SS | 17 | .376 | Stainless Steel | |
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| 35-2P | 16 | .376 | Nickel Plate | |
| 35-2SS | 17 | .376 | Stainless Steel | |
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| 35-W1 | 28 | .376 | White Attachment Chain | |
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| 35-W1.1 | 28 | .376 | White Attachment Chain | |
| 35-W1.2 | 28 | .376 | White Attachment Chain | |
| 35-W1.35-1 | 28 | .376 | White Attachment Chain | |
| 35-W1.35-2 | 28 | .376 | White Attachment Chain | |
| 40 | 6 | .600 | Precision Roller Chain | 203,204,206,210,211 |
| 40 | 14 | .600 | Soft Endless Sd/H Roller | |
| 40VC | 16 | .600 | Annor Coat | |
| 40-A1 | 24 | .600 | Attachment Chain | |
| 40-D1 | 25 | .600 | Attachment Chain | |
| 40-D3 | 25 | .600 | Attachment Chain | |
| 40-H1 | 24 | .600 | Attachment Chain | |
| 40-H11 | 25 | .600 | Attachment Chain | |
| 40-M3C | 25 | .600 | Attachment Chain | |
| 40-P | 9 | .600 | Hollow Pin | |
| 40-P | 16 | .600 | Nickel Plate | |
| 40CR | 22 | .600 | O-Flng | |
| 40PH88 | 18 | .600 | 500 Stainless Steel | |
| 40SB | 9 | .600 | Side Bow | |
| 40SL | 10 | .600 | Self Lube | |
| 40SS | 17 | .600 | Stainless Steel | |

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| CHAIN NO. | CATALOG PAGE | CHAIN PITCH | TYPE OF CHAIN | #PROCKET PAGE |
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| 40-2SS | 17 | .000 | Stainless Steel | |
| 40-2FP | 16 | .000 | Nickel Plated | |
| 40-3 | 6 | .000 | Predator Roller Chain | |
| 40-4 | 6 | .000 | Predator Roller Chain | |
| 40-WA1 | 26 | .000 | Wide Attachment Chain | |
| 40-WA2 | 26 | .000 | Wide Attachment Chain | |
| 40-WIC1 | 26 | .000 | Wide Attachment Chain | |
| 40-WIC2 | 26 | .000 | Wide Attachment Chain | |
| 40-WM1 | 26 | .000 | Wide Attachment Chain | |
| 40-WM2 | 26 | .000 | Wide Attachment Chain | |
| 40-WM3C | 26 | .000 | Wide Attachment Chain | |
| 40-WM3C-2 | 26 | .000 | Wide Attachment Chain | |
| CA0 | 11 | .000 | Straight Sprocket | |
| 41 | 6 | .000 | Predator Roller Chain | 206,211 |
| 41FP | 16 | .000 | Nickel Plated | |
| 41SS | 17 | .000 | Stainless Steel | |
| 42 | 148 | 1.376 | Cast Detachable | 229 |
| 42 | 68 | 1.376 | Steel Detachable | 229 |
| 46 | 148 | 1.630 | Cast Detachable | 229 |
| 60 | 6 | .625 | Predator Roller Chain | 206,209,212 |
| 60 | 14 | .625 | S&H Endless S&H Roller | |
| 60-A1 | 24 | .625 | Attachment Chain | |
| 60-D1 | 25 | .625 | Attachment Chain | |
| 60-D3 | 25 | .625 | Attachment Chain | |
| 60-K1 | 24 | .625 | Attachment Chain | |
| 60-H1 | 25 | .625 | Attachment Chain | |
| 60-H3C | 25 | .625 | Attachment Chain | |
| 60AC | 16 | .625 | Armor Coat | |
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| 60H | 8 | .625 | Heavy Series | |
| 60 Hdet (S20) | 22 | .625 | Holt Chain | |
| 60HP | 9 | .625 | Hollow Pin | |
| 60FP | 16 | .625 | Nickel Plated | |
| 60FR | 22 | .625 | O-Ring | |
| 60PHSS | 18 | .625 | 600 Stainless Steel | |
| 60SB | 9 | .625 | Side Bow | |
| 60SL | 10 | .625 | Self Lubric | |
| 60SS | 17 | .625 | Stainless Steel | |
| 60-2 | 6 | .625 | Predator Roller Chain | 206 |
| 60-2 | 14 | .625 | S&H Endless S&H Roller | |
| 60-2FP | 16 | .625 | Nickel Plated | |
| 60-2SS | 17 | .625 | Stainless Steel | |
| 60-3 | 6 | .625 | Predator Roller Chain | 206 |
| 60-4 | 6 | .625 | Predator Roller Chain | |
| 60-WA1 | 26 | .625 | Wide Attachment Chain | |
| 60-WA2 | 26 | .625 | Wide Attachment Chain | |
| 60-WIC1 | 26 | .625 | Wide Attachment Chain | |
| 60-WIC2 | 26 | .625 | Wide Attachment Chain | |
| 60-WM1 | 26 | .625 | Wide Attachment Chain | |
| 60-WM2 | 26 | .625 | Wide Attachment Chain | |
| 60-WM3C | 26 | .625 | Wide Attachment Chain | |
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| 61 | 68 | 1.133 | Steel Detachable | 229 |
| 61 | 148 | 1.133 | Cast Detachable | 229 |
| 62 | 148 | 1.008 | Cast Detachable | 229 |
| 62 | 68 | 1.008 | Steel Detachable | 229 |
| 63 | 148 | 1.631 | Cast Detachable | 229 |
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| 65 | 68 | 1.630 | Steel Detachable | 229 |
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| 65CA | 128 | 1.631 | Transfer Chain | |
| 65CB | 128 | 1.631 | Transfer Chain | |
| 65CD | 128 | 1.631 | Transfer Chain | |
| 65CL | 108 | 1.631 | Combination Chain | 228 |
| 67 | 148 | 2.008 | Cast Detachable | 229 |
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| 60 | 14 | .750 | S&H Endless S&H Roller | |
| CS 60-100 | 22 | | Chain Detachier | |
| 60-A1 | 24 | .750 | Attachment Chain | |
| 60-D1 | 25 | .750 | Attachment Chain | |
| 60-D3 | 25 | .750 | Attachment Chain | |
| 60-K1 | 24 | .750 | Attachment Chain | |
| 60-H1 | 25 | .750 | Attachment Chain | |

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| CHAIN NO. | CATALOG PAGE | CHAIN PITCH | TYPE OF CHAIN | #SPROCKET PAGE |
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| 80-4 | 6 | 1.000 | Predator Roller Chain | |
| 80-WA1 | 23 | 1.000 | Wile Attachment Chain | |
| 80-WA2 | 23 | 1.000 | Wile Attachment Chain | |
| 80-WIC1 | 23 | 1.000 | Wile Attachment Chain | |
| 80-WIC2 | 23 | 1.000 | Wile Attachment Chain | |
| 80-WM1 | 23 | 1.000 | Wile Attachment Chain | |
| 80-WM2 | 23 | 1.000 | Wile Attachment Chain | |
| 80-WM135 | 23 | 1.000 | Wile Attachment Chain | |
| 80-WM135-2 | 23 | 1.000 | Wile Attachment Chain | |
| CS0 | 11 | 1.000 | Straight Sprocket | |
| SIX | 92 | 2.608 | Elevator & Conveyor | 227 |
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| SIXHD | 92 | 2.608 | Elevator & Conveyor | |
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| WH82 | 77 | 3.076 | Wile-Steel | 223 |
| 86 | 10 | 1.000 | Rollerless | |
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| AL88K | 61 | 2.608 | Steel Pinne | |
| AL88XH | 61 | 2.608 | Steel Pinne | |
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| 100 | 14 | 1.250 | Soft Endless Soft Roller | |
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| 100-D1 | 25 | 1.250 | Attachment Chain | |
| 100-D3 | 25 | 1.250 | Attachment Chain | |
| 100-IC1 | 24 | 1.250 | Attachment Chain | |
| 100-H1 | 25 | 1.250 | Attachment Chain | |
| 100-H135 | 25 | 1.250 | Attachment Chain | |
| 100AC | 16 | 1.250 | Armor Coat | |
| 100H | 8 | 1.250 | Heavy Series | |
| 100H | 14 | 1.250 | Soft Endless Soft Roller | |
| 100H2 | 8 | 1.250 | Heavy Series | |
| 100MP | 16 | 1.250 | Nickel Plated | |
| 100S | 17 | 1.250 | Stainless Steel | |
| 100-2 | 7 | 1.250 | Predator Roller Chain | |
| 100-3 | 7 | 1.250 | Predator Roller Chain | |
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| 102 | 107 | 102 mm | Case Conveyor Chain | |
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| C102B8 | 170 | 4.000 | Cast Alloy Comb. Chain | |
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| SS102B | 80 | 4.000 | Elevator & Conveyor | 227 |
| C102F8 | 108 | 4.040 | Combination Chain | 221, 224, 228 |
| C102H8 | 170 | 4.028 | Cast Alloy Comb. Chain | |
| 103 | 148 | 3.076 | Cast Detachable | 221, 224, 229 |
| H104 | 122 | 6.000 | Drag Chain | 229 |
| WD104 | 76 | 6.000 | Wile-Steel | 223 |
| 106 | 10 | 1.250 | Rollerless | |
| WH106 | 77 | 6.000 | Wile-Steel | 223 |
| WH106HD | 77 | 6.000 | Wile-Steel | |
| WH106XHD | 77 | 6.000 | Wile-Steel | |
| C110 | 108 | 6.000 | Combination Chain | 221, 224, 228 |
| C110B | 170 | 6.000 | Cast Alloy Comb. Chain | 193, 187, 188, 190 |
| H110 | 122 | 6.000 | Drag Chain | 229 |
| SS110 | 80 | 6.000 | Elevator & Conveyor | 227 |
| WD110 | 76 | 6.000 | Wile-Steel | 223 |
| WDH110 | 76 | 6.000 | Wile-Steel | |
| WH110 | 77 | 6.000 | Wile-Steel | 223 |
| WH111 | 77 | 4.760 | Wile-Steel | |
| C111 | 108 | 4.760 | Combination Chain | 221, 222, 224, 228 |
| C111C | 108 | 4.760 | Combination Chain | 228 |
| C111B | 170 | 4.760 | Cast Alloy Comb. Chain | 193, 187, 188, 190 |
| SS111 | 80 | 4.760 | Elevator & Conveyor | 227 |
| H112 | 122 | 8.000 | Drag Chain | 229 |
| H116 | 122 | 8.000 | Drag Chain | 229 |
| 120 | 6 | 1.000 | Predator Roller Chain | 208, 214 |
| 120 | 14 | 1.000 | Soft Endless Soft Roller | |
| 120-A1 | 24 | 1.000 | Attachment Chain | |
| 120-D1 | 25 | 1.000 | Attachment Chain | |
| 120-D3 | 25 | 1.000 | Attachment Chain | |
| 120-IC1 | 24 | 1.000 | Attachment Chain | |
| 120-H1 | 25 | 1.000 | Attachment Chain | |
| 120-H135 | 25 | 1.000 | Attachment Chain | |
| 120H | 8 | 1.000 | Heavy Series | |
| 120H2 | 8 | 1.000 | Heavy Series | |



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| 120H11 | 26 | 1.600 | Attachment Chain | |
| 120H136 | 26 | 1.600 | Attachment Chain | |
| 120H | 8 | 1.600 | Heavy Series | |
| 120H+2 | 8 | 1.600 | Heavy Series | |
| 120-2 | 7 | 1.600 | Prediction Roller Chain | |
| 120-3 | 7 | 1.600 | Prediction Roller Chain | |
| 120-4 | 7 | 1.600 | Prediction Roller Chain | |
| H120 | 122 | 6.000 | Drag Chain | 228 |
| WD120 | 76 | 6.000 | Welded Steel | 228 |
| WD122 | 76 | 8.000 | Welded Steel | 228 |
| 124 | 148 | 4.063 | Cast Detachable | 228 |
| H124 | 116 | 4.000 | Mill Chain | 221,228 |
| WH124 | 77 | 4.000 | Welded Steel | 228 |
| WH124HD | 77 | 4.063 | Welded Steel | |
| H130 | 127 | 4.000 | Transfer Chain | |
| C131 | 108 | 3.076 | Combination Chain | 221,224,228 |
| C131S | 170 | 3.076 | Cast Alloy Corb. Chain | 195,198 |
| H131 | 127 | 4.000 | Transfer Chain | |
| SS 131 | 80 | 3.076 | Elevator & Conveyor | 224,227 |
| C132 | 108 | 6.000 | Combination Chain | 221,222,224,228 |
| C132S | 170 | 6.000 | Cast Alloy Corb. Chain | 195,197,198,199 |
| NBP 132 | 108 | 6.000 | Combination Chain | 228 |
| NBP132C | 108 | 6.000 | Combination Chain | 228 |
| FX 132 | 108 | 6.000 | Combination Chain | 228 |
| WH132 | 77 | 6.000 | Welded Steel | 228 |
| WH132HD | 77 | 6.000 | Welded Steel | |
| C133 | 108 | 6.000 | Combination Chain | 228 |
| H138 | 127 | 4.000 | Transfer Chain | |
| 140 | 6 | 1.760 | Prediction Roller Chain | |
| 140 | 14 | 1.760 | Solid Bushed Solid Roller | |
| 140-A1 | 24 | 1.760 | Attachment Chain | |
| 140-D1 | 26 | 1.760 | Attachment Chain | |
| 140-D3 | 26 | 1.760 | Attachment Chain | |
| 140-K1 | 24 | 1.760 | Attachment Chain | |
| 140-K11 | 26 | 1.760 | Attachment Chain | |
| 140H136 | 26 | 1.760 | Attachment Chain | |
| 140H | 8 | 1.760 | Heavy Series | |
| 140H+2 | 8 | 1.760 | Heavy Series | |
| 140-2 | 7 | 1.760 | Prediction Roller Chain | |
| 140-3 | 7 | 1.760 | Prediction Roller Chain | |
| 142 | 107 | 142 mm | Case Conveyor Chain | |
| NBR148 | 92 | 4.000 | Elevator & Conveyor | 227 |
| WH160 | 77 | 6.000 | Welded Steel | 228 |
| WH160HD | 77 | 6.000 | Welded Steel | |
| WH160XHD | 77 | 6.000 | Welded Steel | |
| SS 160+ | 80 | 6.000 | Elevator & Conveyor | 227 |
| 160 | 6 | 2.000 | Prediction Roller Chain | |
| 160 | 14 | 2.000 | Solid Bushed Solid Roller | |
| 160-A1 | 24 | 2.000 | Attachment Chain | |
| 160-D1 | 26 | 2.000 | Attachment Chain | |
| 160-D3 | 26 | 2.000 | Attachment Chain | |
| 160-K1 | 24 | 2.000 | Attachment Chain | |
| 160-K11 | 26 | 2.000 | Attachment Chain | |
| 160H136 | 26 | 2.000 | Attachment Chain | |
| 160H | 8 | 2.000 | Heavy Series | |
| 160H+2 | 8 | 2.000 | Heavy Series | |
| 160 WH16j | 23 | 2.000 | Caterpillar Chain | |
| 160-2 | 7 | 2.000 | Prediction Roller Chain | |
| 160-3 | 7 | 2.000 | Prediction Roller Chain | |
| 160 | 6 | 2.250 | Prediction Roller Chain | |
| 160-2 | 7 | 2.250 | Prediction Roller Chain | |
| BPH188 | 108 | 2.609 | Combination Chain | 228 |
| C188 | 108 | 2.609 | Combination Chain | 228 |
| C188S | 170 | 2.609 | Cast Alloy Corb. Chain | |
| SS 188 | 80 | 2.609 | Elevator & Conveyor | 227 |
| WH188 | 77 | 2.609 | Welded Steel | |
| 200 | 6 | 2.600 | Prediction Roller Chain | |
| 200H | 8 | 2.600 | Heavy Series | |
| 200H+2 | 8 | 2.600 | Heavy Series | |
| 200-2 | 7 | 2.600 | Prediction Roller Chain | |
| 200-3 | 7 | 2.600 | Prediction Roller Chain | |
| 240 | 6 | 3.000 | Prediction Roller Chain | |
| 240-2 | 7 | 3.000 | Prediction Roller Chain | |
| 240-3 | 7 | 3.000 | Prediction Roller Chain | |
| 280 | 107 | 280 mm | Case Conveyor Chain | |
| NBR200 | 92 | 3.000 | Elevator & Conveyor | 227 |
| AL322 | 19 | .376 | Leaf Chain | |

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| 3348 | 106 | 3.031 | Drop Forge-I | 228 |
| 410 (43)(93) | 11 | .600 | Predator Roller Chain | |
| 410HP (43) | 16 | .600 | Nickel Plate-I | |
| 415 (42) | 11 | .600 | Predator Roller Chain | |
| 416H | 11 | .600 | Predator Roller Chain | |
| 420 | 11 | .600 | Predator Roller Chain | |
| AL422 | 19 | .600 | Leaf Chain | |
| 423 | 11 | .600 | Predator Roller Chain | |
| BL423 | 20 | .600 | Leaf Chain | |
| 428 | 11 | .600 | Predator Roller Chain | |
| 428H | 11 | .600 | Predator Roller Chain | |
| MXS432 | 103 | 1.654 | Drive Chain | |
| BL434 | 20 | .600 | Leaf Chain | |
| 442 | 130 | 1.376 | 400 Class Pin-I | 229 |
| AL444 | 19 | .600 | Leaf Chain | |
| BL444 | 20 | .600 | Leaf Chain | |
| 446 | 130 | 1.630 | 400 Class Pin-I | 229, 230 |
| BL446 | 20 | .600 | Leaf Chain | |
| 462 | 130 | 1.636 | 400 Class Pin-I | 229 |
| 465 | 130 | 1.630 | 400 Class Pin-I | 229 |
| 8408 | 106 | 4.031 | Bar Loop | |
| 3408 | 106 | 4.031 | Drop Forge-I | 228 |
| 462 | 130 | 1.634 | 400 Class Pin-I | 229 |
| AL466 | 19 | .600 | Leaf Chain | |
| BL466 | 20 | .600 | Leaf Chain | |
| 468 | 106 | 4.031 | Drop Forge-I | 228 |
| 8408 | 106 | 4.031 | Bar Loop | |
| 477 | 130 | 2.308 | 400 Class Pin-I | 229 |
| HN80 | 122 | 8.000 | Drag Chain | 229 |
| WDN80 | 76 | 8.000 | Welded Steel | 229 |
| WDHN80 | 76 | 8.000 | Welded Steel | |
| 488 | 130 | 2.638 | 400 Class Pin-I | 229 |
| 620 | 11 | .625 | Predator Roller Chain | |
| AL622 | 19 | .625 | Leaf Chain | |
| BL622 | 20 | .625 | Leaf Chain | |
| AL623 | 19 | .625 | Leaf Chain | |
| BL623 | 20 | .625 | Leaf Chain | |
| 630 | 11 | .625 | Predator Roller Chain | |
| BL634 | 20 | .625 | Leaf Chain | |
| AL644 | 19 | .625 | Leaf Chain | |
| BL644 | 20 | .625 | Leaf Chain | |
| BL646 | 20 | .625 | Leaf Chain | |
| A660 | 39 | 1.630 | AJ Roller Chain | |
| CA660 | 39 | 1.630 | AJ Roller Chain | |
| CA660HD | 39 | 1.630 | AJ Roller Chain | |
| A665 | 39 | 1.630 | AJ Roller Chain | |
| CA665 | 39 | 1.630 | AJ Roller Chain | |
| A667 | 39 | 1.630 | AJ Roller Chain | |
| CA667 | 39 | 1.630 | AJ Roller Chain | |
| AL696 | 19 | .625 | Leaf Chain | |
| BL696 | 20 | .625 | Leaf Chain | |
| 600P | 135 | 2.620 | Non-Metallic Case Chain | |
| 600PD | 135 | 2.620 | Non-Metallic Case Chain | |
| PN600 | 135 | 2.620 | Non-Metallic Case Chain | |
| PN600D | 135 | 2.620 | Non-Metallic Case Chain | |
| A620 | 39 | 1.654 | AJ Roller Chain | |
| CA620 | 39 | 1.654 | AJ Roller Chain | |
| AL622 | 19 | .760 | Leaf Chain | |
| BL622 | 20 | .760 | Leaf Chain | |
| AL623 | 19 | .760 | Leaf Chain | |
| BL623 | 20 | .760 | Leaf Chain | |
| BL634 | 20 | .760 | Leaf Chain | |
| AL644 | 19 | .760 | Leaf Chain | |
| BL644 | 20 | .760 | Leaf Chain | |
| BL646 | 20 | .760 | Leaf Chain | |
| 3008 | 106 | 6.031 | Drop Forge-I | |
| AL662 | 61 | 1.634 | Steel Pin-I Chain | |
| AL666 | 19 | .760 | Leaf Chain | |
| BL666 | 20 | .760 | Leaf Chain | |
| AL667H | 61 | 2.313 | Steel Pin-I Chain | |
| AL667X | 61 | 2.230 | Steel Pin-I Chain | |
| AL667XH | 61 | 2.230 | Steel Pin-I Chain | |
| 3078 | 106 | 6.031 | Drop Forge-I | 228 |
| 678 | 137 | 6.031 | Manganese Rivet-I | 193, 188, 192 |
| AL688 | 19 | .760 | Leaf Chain | |
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| 8038 | 106 | 6.031 | Bar Loop | |
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| 720 | 137 | 6.000 | 700 Class Pindle | 224, 229 |
| 7208 | 137 | 6.000 | 700 Class Pindle | 229 |
| MS7208 | 137 | 6.000 | 700 Class Pindle | 229 |
| NCS7208 | 146 | 6.000 | Non-Metallic Waste Water | |
| 730 | 137 | 6.000 | 700 Class Pindle | 224, 229 |
| MS730 | 137 | 6.000 | 700 Class Pindle | 229 |
| 788 | 137 | 2.609 | 700 Class Pindle | 229 |
| AL822 | 19 | 1.000 | Leaf Chain | |
| BL822 | 20 | 1.000 | Leaf Chain | |
| BL823 | 20 | 1.000 | Leaf Chain | |
| BL834 | 20 | 1.000 | Leaf Chain | |
| 844HD | 174 | 6.000 | 800 Class Pindle | 187, 188, 189, 190 |
| 844LD | 174 | 6.000 | 800 Class Pindle | 183, 187, 188, 189, 190 |
| 844MD | 174 | 6.000 | 800 Class Pindle | 183, 187, 188, 189, 190 |
| 844PD | 174 | 6.000 | 800 Class Pindle | 183, 188, 189, 190 |
| AL844 | 19 | 1.000 | Leaf Chain | |
| BL844 | 20 | 1.000 | Leaf Chain | |
| BL846 | 20 | 1.000 | Leaf Chain | |
| 88803 | 80 | 6.000 | Elevator & Conveyor | 221, 222, 224, 227 |
| 88807 | 80 | 6.000 | Elevator & Conveyor | 227 |
| 88809 | 80 | 6.000 | Elevator & Conveyor | 222, 227 |
| 88804 | 80 | 6.000 | Elevator & Conveyor | |
| AL896 | 19 | 1.000 | Leaf Chain | |
| BL896 | 20 | 1.000 | Leaf Chain | |
| MX8881 | 103 | 2.609 | Drive Chain | 227 |
| MX8882 | 103 | 2.609 | Drive Chain | 227 |
| AL888 | 19 | 1.000 | Leaf Chain | |
| 907E51 | 146 | 3.170 | 900 Class Pindle | |
| MSR944+ | 92 | 6.000 | Elevator & Conveyor | 227 |
| MSR990 | 92 | 6.000 | Elevator & Conveyor | 227 |
| 998 | 106 | 9.031 | Drop Forge | 221 |
| 998 | 107 | 9.031 | Manganese Rivetless | 188 |
| 8038 | 106 | 6.031 | Bar Loop | |
| AL1022 | 19 | 1.250 | Leaf Chain | |
| BL1023 | 21 | 1.250 | Leaf Chain | |
| MX81031 | 103 | 3.076 | Drive Chain | 227 |
| BL1034 | 21 | 1.250 | Leaf Chain | |
| AL1044 | 19 | 1.250 | Leaf Chain | |
| BL1046 | 21 | 1.250 | Leaf Chain | |
| AL1066 | 19 | 1.250 | Leaf Chain | |
| BL1068 | 21 | 1.250 | Leaf Chain | |
| AL1088 | 19 | 1.250 | Leaf Chain | |
| BL1088 | 21 | 1.250 | Leaf Chain | |
| MSR1114 | 92 | 6.000 | Elevator & Conveyor | 227 |
| MSR1116 | 92 | 6.000 | Elevator & Conveyor | 227 |
| AL1222 | 19 | 1.600 | Leaf Chain | |
| BL1223 | 21 | 1.600 | Leaf Chain | |
| BL1234 | 21 | 1.600 | Leaf Chain | |
| MX81242 | 103 | 4.063 | Drive Chain | 227 |
| AL1244 | 19 | 1.600 | Leaf Chain | |
| BL1244 | 21 | 1.600 | Leaf Chain | |
| MX81246 | 103 | 4.073 | Drive Chain | 227 |
| BL1246 | 21 | 1.600 | Leaf Chain | |
| AL1266 | 19 | 1.600 | Leaf Chain | |
| BL1266 | 21 | 1.600 | Leaf Chain | |
| MSR1317 | 92 | 3.000 | Elevator & Conveyor | |
| PM1400 | 106 | 3.250 | Non-Metallic Case Chain | |
| PM1400D | 106 | 3.250 | Non-Metallic Case Chain | |
| BL1434 | 21 | 1.750 | Leaf Chain | |
| BL1448 | 21 | 1.750 | Leaf Chain | |
| BL1468 | 21 | 1.750 | Leaf Chain | |
| MSR1639 | 92 | 3.076 | Elevator & Conveyor | 227 |
| BL1623 | 21 | 2.000 | Leaf Chain | |
| BL1634 | 21 | 2.000 | Leaf Chain | |
| BL1646 | 21 | 2.000 | Leaf Chain | |
| BL1666 | 21 | 2.000 | Leaf Chain | |
| BL1688 | 21 | 2.000 | Leaf Chain | |
| 1924 | 179 | 6.000 | Cast Alloy Drag Chain | |
| 1932 | 179 | 6.000 | Cast Alloy Drag Chain | |
| 1934 | 179 | 6.000 | Cast Alloy Drag Chain | 190 |
| 1962 | 179 | 9.000 | Cast Alloy Drag Chain | 190 |
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| 1998 | 179 | 9,000 | Cast Alloy Drag Chain | 180 |
| 1999 | 179 | 9,000 | Cast Alloy Drag Chain | 180 |
| 1992 | 179 | 9,000 | Cast Alloy Drag Chain | 180 |
| 1994 | 179 | 9,000 | Cast Alloy Drag Chain | 180 |
| 1995 | 179 | 9,000 | Cast Alloy Drag Chain | 180 |
| 1997 | 179 | 9,000 | Cast Alloy Drag Chain | 180 |
| 1972 | 179 | 12,000 | Cast Alloy Drag Chain | 180 |
| 1976 | 79 | 12,000 | Cast Alloy Drag Chain | 180 |
| A2040 | 13 | 1,000 | Predator Roller Chain | |
| A2040AC | 16 | 1,000 | Armor Coat | |
| A2040HP | 16 | 1,000 | Nickel Plated | |
| A2040SS | 17 | 1,000 | Stainless Steel | |
| C2040 | 13 | 1,000 | Predator Roller Chain | |
| C2040-A1 | 27 | 1,000 | Attachment Chain | |
| C2040-A2 | 27 | 1,000 | Attachment Chain | |
| C2040-D1 | 29 | 1,000 | Attachment Chain | |
| C2040-D3 | 29 | 1,000 | Attachment Chain | |
| C2040H1 | 27 | 1,000 | Attachment Chain | |
| C2040H2 | 27 | 1,000 | Attachment Chain | |
| C2040H11 | 29 | 1,000 | Attachment Chain | |
| C2040H12 | 29 | 1,000 | Attachment Chain | |
| C2040H135 | 28 | 1,000 | Attachment Chain | |
| C2040H135-2 | 28 | 1,000 | Attachment Chain | |
| C2040AC | 16 | 1,000 | Armor Coat | |
| C2040HP | 9 | 1,000 | Hollow Pin | |
| C2040HP | 16 | 1,000 | Nickel Plated | |
| C2040PHSS | 18 | 1,000 | 600 Stainless Steel | |
| C2040SL | 10 | 1,000 | Self Lubricating | |
| C2040SS | 17 | 1,000 | Stainless Steel | |
| C2042 | 13 | 1,000 | Predator Roller Chain | |
| C2042AC | 16 | 1,000 | Armor Coat | |
| C2042HP | 9 | 1,000 | Hollow Pin | |
| C2042PHSS | 18 | 1,000 | 600 Stainless Steel | |
| C2042SS | 17 | 1,000 | Stainless Steel | |
| A2060 | 13 | 1,250 | Predator Roller Chain | |
| A2060AC | 16 | 1,250 | Armor Coat | |
| A2060HP | 16 | 1,250 | Nickel Plated | |
| A2060SS | 17 | 1,250 | Stainless Steel | |
| C2060 | 13 | 1,250 | Predator Roller Chain | |
| C2060-A1 | 27 | 1,250 | Attachment Chain | |
| C2060-A2 | 27 | 1,250 | Attachment Chain | |
| C2060-D1 | 29 | 1,250 | Attachment Chain | |
| C2060-D3 | 29 | 1,250 | Attachment Chain | |
| C2060H1 | 27 | 1,250 | Attachment Chain | |
| C2060H2 | 27 | 1,250 | Attachment Chain | |
| C2060H11 | 29 | 1,250 | Attachment Chain | |
| C2060H12 | 29 | 1,250 | Attachment Chain | |
| C2060H135 | 28 | 1,250 | Attachment Chain | |
| C2060H135-2 | 28 | 1,250 | Attachment Chain | |
| C2060AC | 16 | 1,250 | Armor Coat | |
| C2060HP | 9 | 1,250 | Hollow Pin | |
| C2060HP | 16 | 1,250 | Nickel Plated | |
| C2060PHSS | 18 | 1,250 | 600 Stainless Steel | |
| C2060SL | 10 | 1,250 | Self Lubricating | |
| C2060SS | 17 | 1,250 | Stainless Steel | |
| C2062 | 13 | 1,250 | Predator Roller Chain | |
| C2062AC | 16 | 1,250 | Armor Coat | |
| C2062HP | 9 | 1,250 | Hollow Pin | |
| C2062PHSS | 18 | 1,250 | 600 Stainless Steel | |
| C2062SS | 17 | 1,250 | Stainless Steel | |
| A2090 | 13 | 1,000 | Predator Roller Chain | |
| A2090HP | 16 | 1,000 | Nickel Plated | |
| A2090SS | 17 | 1,000 | Stainless Steel | |
| C2090 | 13 | 1,000 | Predator Roller Chain | |
| C2090PHSS | 18 | 1,000 | 600 Stainless Steel | |
| C2090SS | 17 | 1,000 | Stainless Steel | |
| C2090SL | 10 | 1,000 | Self Lubricating | |
| C2090H | 13 | 1,000 | Predator Roller Chain | |
| C2090H | 14 | 1,000 | Solid Bushed Solid Roller | |
| C2090HAC | 16 | 1,000 | Armor Coat | |
| C2090HP | 9 | 1,000 | Hollow Pin | |
| C2090HP | 16 | 1,000 | Nickel Plated | |
| C2090HPHSS | 18 | 1,000 | 600 Stainless Steel | |
| C2090HSL | 10 | 1,000 | Self Lubricating | |
| C2090HSS | 17 | 1,000 | Stainless Steel | |
| C2090HSS-D5 | 23 | 1,000 | Stainless Steel Citric Chain | |
| C2090HA1 | 27 | 1,000 | Attachment Chain | |
| C2090HA2 | 27 | 1,000 | Attachment Chain | |



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| C2090+D3 | 29 | 1,600 | Attachment Chain | |
| C2090+D6 | 23 | 1,600 | Climb Chain | |
| C2090+G1 | 23 | 1,600 | Sorting Chain | |
| C2090+K1 | 27 | 1,600 | Attachment Chain | |
| C2090+K2 | 27 | 1,600 | Attachment Chain | |
| C2090HH,11 | 29 | 1,600 | Attachment Chain | |
| C2090HH,12 | 29 | 1,600 | Attachment Chain | |
| C2090HH,13S | 28 | 1,600 | Attachment Chain | |
| C2090HH,R,6-2 | 28 | 1,600 | Attachment Chain | |
| C2092H | 13 | 1,600 | Prediction Roller Chain | |
| C2092H,C | 9 | 1,600 | Annor Coat | |
| C2092HP | 9 | 1,600 | Hollow Pin | |
| C2092HP,H8-8 | 18 | 1,600 | 600 Stainless Steel | |
| C2092H8-8 | 17 | 1,600 | Stainless Steel | |
| N13S-2070 | 103 | 2,000 | Drive Chain | 227 |
| A,2090 | 13 | 2,000 | Prediction Roller Chain | |
| C2090H | 13 | 2,000 | Prediction Roller Chain | |
| C2090H | 14 | 2,000 | Solid Bushed Solid Roller | |
| C2090HP | 9 | 2,000 | Hollow Pin | |
| C2090HPP | 16 | 2,000 | Model Plate-I | |
| C2090HP,H8-8 | 18 | 2,000 | 600 Stainless Steel | |
| C2090H8-8 | 17 | 2,000 | Stainless Steel | |
| C2090HSL | 10 | 2,000 | Self Lube | |
| C2090+A1 | 27 | 2,000 | Attachment Chain | |
| C2090+A2 | 27 | 2,000 | Attachment Chain | |
| C2090+D1 | 29 | 2,000 | Attachment Chain | |
| C2090+D3 | 29 | 2,000 | Attachment Chain | |
| C2090+K1 | 27 | 2,000 | Attachment Chain | |
| C2090+K2 | 27 | 2,000 | Attachment Chain | |
| C2090HH,11 | 29 | 2,000 | Attachment Chain | |
| C2090HH,12 | 29 | 2,000 | Attachment Chain | |
| C2090HH,13S | 28 | 2,000 | Attachment Chain | |
| C2090HH,R,6-2 | 28 | 2,000 | Attachment Chain | |
| C2092H | 13 | 2,000 | Prediction Roller Chain | |
| C2092HP | 9 | 2,000 | Hollow Pin | |
| C2092HP,H8-8 | 18 | 2,000 | 600 Stainless Steel | |
| C2092H8-8 | 17 | 2,000 | Stainless Steel | |
| C2100H | 13 | 2,600 | Prediction Roller Chain | |
| C2100+A1 | 27 | 2,600 | Attachment Chain | |
| C2100+A2 | 27 | 2,600 | Attachment Chain | |
| C2100+D1 | 29 | 2,600 | Attachment Chain | |
| C2100+D3 | 29 | 2,600 | Attachment Chain | |
| C2100+K1 | 27 | 2,600 | Attachment Chain | |
| C2100+K2 | 27 | 2,600 | Attachment Chain | |
| C2100HH,11 | 29 | 2,600 | Attachment Chain | |
| C2100HH,12 | 29 | 2,600 | Attachment Chain | |
| C2100HH,13S | 28 | 2,600 | Attachment Chain | |
| C2100HH,R,6-2 | 28 | 2,600 | Attachment Chain | |
| C2102H | 13 | 2,600 | Prediction Roller Chain | |
| C2120H | 13 | 3,000 | Prediction Roller Chain | |
| C2120+A1 | 27 | 3,000 | Attachment Chain | |
| C2120+A2 | 27 | 3,000 | Attachment Chain | |
| C2120+D1 | 29 | 3,000 | Attachment Chain | |
| C2120+D3 | 29 | 3,000 | Attachment Chain | |
| C2120+K1 | 27 | 3,000 | Attachment Chain | |
| C2120+K2 | 27 | 3,000 | Attachment Chain | |
| C2120HH,11 | 29 | 3,000 | Attachment Chain | |
| C2120HH,12 | 29 | 3,000 | Attachment Chain | |
| C2120HH,13S | 28 | 3,000 | Attachment Chain | |
| C2120HH,R,6-2 | 28 | 3,000 | Attachment Chain | |
| C2122H | 13 | 3,000 | Prediction Roller Chain | |
| C2160H | 13 | 4,000 | Prediction Roller Chain | |
| C2160+A1 | 27 | 4,000 | Attachment Chain | |
| C2160+A2 | 27 | 4,000 | Attachment Chain | |
| C2160+D1 | 29 | 4,000 | Attachment Chain | |
| C2160+D3 | 29 | 4,000 | Attachment Chain | |
| C2160+K1 | 27 | 4,000 | Attachment Chain | |
| C2160+K2 | 27 | 4,000 | Attachment Chain | |
| C2160HH,11 | 29 | 4,000 | Attachment Chain | |
| C2160HH,12 | 29 | 4,000 | Attachment Chain | |
| C2160HH,13S | 28 | 4,000 | Attachment Chain | |
| C2160HH,R,6-2 | 28 | 4,000 | Attachment Chain | |
| C2162H | 13 | 4,000 | Prediction Roller Chain | |
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| N18F2188 | 92 | 4,000 | Elevator & Conveyor | 227 |
| N18F2198 | 92 | 6,000 | Elevator & Conveyor | |
| 2210 | 182 | 6,000 | Barling Drive Chain | 188, 189 |

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| 2290 | 182 | 7.000 | Barking Drive Chain | 189 |
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| MSR3013 | 92 | 3.000 | Elevator & Conveyor | 227 |
| MSR3076 | 103 | 3.076 | Drive Chain | 227 |
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| DF3488 | 154 | 1.752,00 | Double Flex | |
| DF3500 | 154 | 1.653,00 | Double Flex | |
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| 1 1/2"x8 | 184 | 6.000 | Cast Steel Long Link | |
| 1 1/2"x10 | 184 | 10.000 | Cast Steel Long Link | |
| 1 1/2"x8 | 184 | 6.000 | Cast Steel Long Link | |
| 1 1/2"x7 | 184 | 7.000 | Cast Steel Long Link | |
| 1 1/2"x8 | 184 | 8.000 | Cast Steel Long Link | |
| 1 1/2"x8 | 184 | 8.000 | Cast Steel Long Link | |
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