

DAVIDSON CHAIN PTY. LTD.

PHONE
(03) 9457 6066

FAX
(03) 9457 4861

DAVO



Manufacturers of
**STANDARD and SPECIALISED CONVEYOR
CHAINS and ATTACHMENTS**



DAVIDSON CHAIN Pty. Ltd.

A.C.N. 051 395 209

Manufacturers of Specialised Conveyor Chains & Attachments

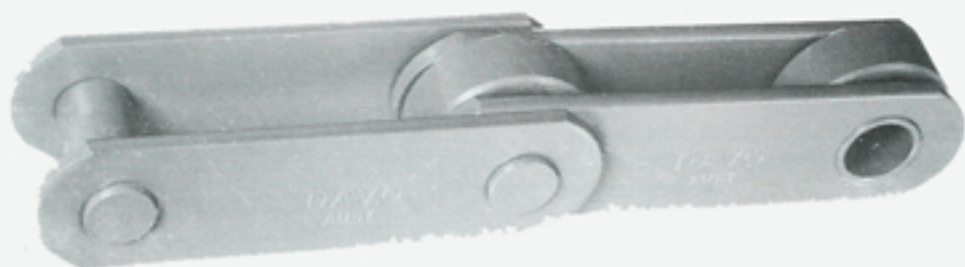
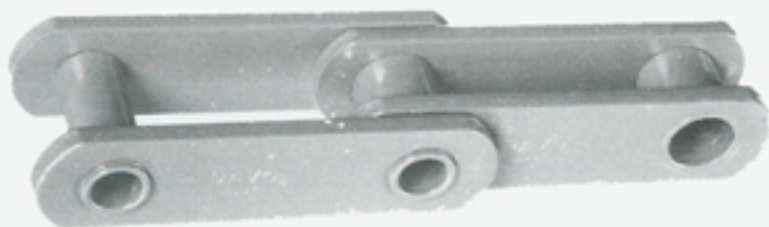
Telephone: (03) 9457 6066 Fax: (03) 9457 4861

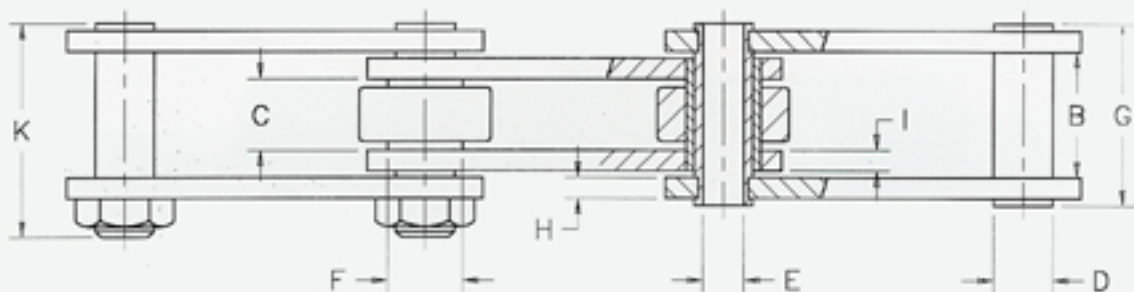
INTRODUCTION

Davidson Chain are now manufacturing all British standard conveyor chains from 3,000lb to 100,000lb. These chains are used for conveying, transferring and elevating all types of materials and can be fitted with any standard or special attachment. All chains are **AUSTRALIAN MADE** and can be supplied in carbon steel, zinc plated, galvanised, nickel plated or stainless steel.

Davo conveyor chain is manufactured with a **SOLID BUSH** which gives more stability to shock load and holds grease inside, **THUS GIVING LONGER LIFE TO CHAIN.**

Regards,
PAUL DAVIDSON
JOHN DAVIDSON

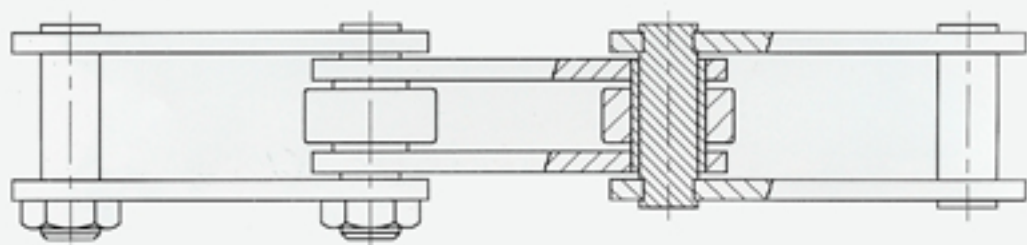




STANDARD SIDEBAR
HOLLOW PIN



STANDARD SIDEBAR
SOLID PIN



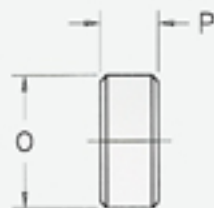
DEEP SIDEBAR



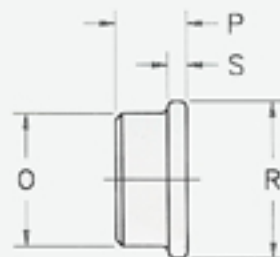
ROLLERS



SMALL ROLLER



STD. ROLLER



FLANGED ROLLER

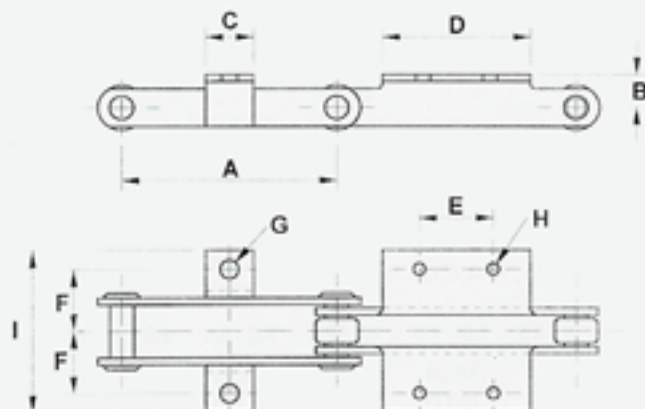
OTHER NON-STANDARD DIMENSION & SPECIFICATIONS AVAILABLE ON REQUEST TO DAVIDSON CHAIN

DAVO STANDARD CONVEYOR CHAINS

| | | 3,000 | 4,500 | 6,000 7,500 | 12,000 15,000 | 24,000 30,000 | 36,000 45,000 | 60,000 | 85,000 100,000 |
|-----------------------------------|---|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| ULTIMATE TENSILE STRENGTH (FT/LB) | | | | | | | | | |
| MIN-MAX PITCH IN INCHES | A | 1.5 - 4.5 | 1.5 - 4.5 | 1.5 - 6.0 | 3.0 - 8.0 | 4.0 - 12.0 | 6.0 - 12.0 | 6.0 - 12.0 | 6.0 - 12.0 |
| OUTER SIDEBAR INTERNAL WIDTH | B | 18.30 (0.72) | 18.30 (0.72) | 26.50 (1.04) | 32.50 (1.28) | 44.50 (1.78) | 61.00 (2.40) | 61.00 (2.40) | 65.00 (2.58) |
| INNER SIDEBAR INTERNAL WIDTH | C | 12.70 (0.50) | 12.70 (0.50) | 15.20 (0.60) | 19.00 (0.75) | 24.50 (1.00) | 38.10 (1.50) | 38.10 (1.50) | 38.10 (1.50) |
| PIN DIAMETER | D | 5.94 (0.234) | 9.53 (0.375) | 14.29 (0.563) | 19.05 (0.75) | 27.00 (1.06) | 31.75 (1.25) | 25.00 (0.98) | 28.60 (1.13) |
| HOLLOW PIN BORE | E | - | 6.60 (0.26) | 10.00 (0.394) | 13.21 (0.52) | 20.20 (0.796) | 23.40 (0.922) | - | - |
| BUSH DIAMETER | F | 11.94 (0.47) | 12.70 (0.50) | 18.00 (0.71) | 23.80 (0.937) | 33.00 (1.30) | 38.10 (1.50) | 38.10 (1.50) | 38.10 (1.50) |
| MAX OVERALL WIDTH | G | 25.40 (1.00) | 25.40 (1.00) | 40.20 (1.58) | 46.20 (1.82) | 61.20 (2.41) | 82.80 (3.26) | 82.80 (3.26) | 97.00 (3.82) |
| OUTER SIDEBAR THICKNESS | H | 2.50 (0.10) | 2.00 (0.08) | 5.00 (0.20) | 5.00 (0.20) | 6.00 (0.24) | 8.00 (0.31) | 8.00 (0.31) | 10.00 (0.39) |
| INNER SIDEBAR THICKNESS | I | 2.50 (0.10) | 2.50 (0.10) | 5.00 (0.20) | 6.00 (0.24) | 8.00 (0.31) | 10.00 (0.39) | 10.00 (0.39) | 12.00 (0.47) |
| SIDEBAR DEPTH | J | 20.00 (0.79) | 20.00 (0.79) | 25.00 (0.98) | 40.00 (1.58) | 50.00 (1.97) | 65.00 (2.56) | 65.00 (2.56) | 65.00 (2.56) |
| BOLTED PIN MAX OVERALL WIDTH | K | - | - | 50.80 (2.00) | 57.00 (2.24) | 74.00 (2.91) | 110.50 (4.35) | 110.50 (4.35) | 118.40 (4.66) |
| DEEP SIDEBAR CENTRE LINK HEIGHT | L | 15.50 (0.61) | 15.50 (0.61) | 27.50 (1.08) | 30.00 (1.18) | 50.00 (1.97) | 61.00 (2.40) | 61.00 (2.40) | 92.46 (3.26) |
| SMALL ROLLER DIAMETER | M | 11.91 (0.469) | - | - | - | - | - | - | - |
| SMALL ROLLER WIDTH | N | 11.43 (0.45) | - | - | - | - | - | - | - |
| STANDARD ROLLER DIAMETER | O | 25.40 (1.00) | 25.40 (1.00) | 31.75 (1.25) | 47.50 (1.87) | 66.55 (2.62) | 88.90 (3.50) | 88.90 (3.50) | 88.90 (3.50) |
| STANDARD ROLLER WIDTH | P | 11.43 (0.45) | 11.43 (0.45) | 13.97 (0.55) | 17.78 (0.70) | 24.13 (0.95) | 36.83 (1.45) | 36.83 (1.45) | 36.83 (1.45) |
| FLANGED ROLLER DIAMETER | R | - | - | 41.15 (1.62) | 60.20 (2.37) | 85.10 (3.35) | 114.30 (4.50) | 114.30 (4.50) | 114.30 (4.50) |
| FLANGED ROLLER WIDTH | S | - | - | 3.05 (0.12) | 4.06 (0.16) | 7.11 (0.28) | 7.87 (0.31) | 7.87 (0.31) | 7.87 (0.31) |
| DIMENSION IN MM (INCHES) | | | | | | | | | |



STANDARD "K" ATTACHMENTS WELDED AND INTEGRAL

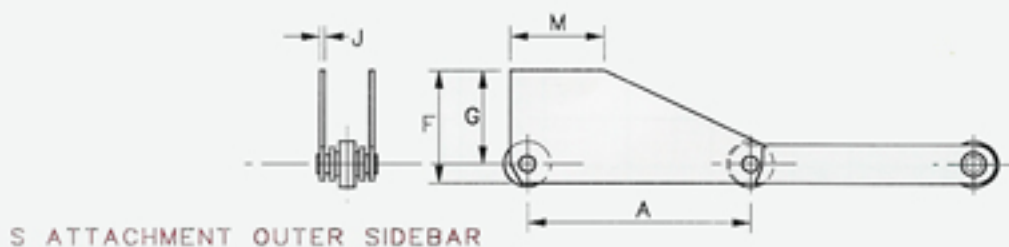
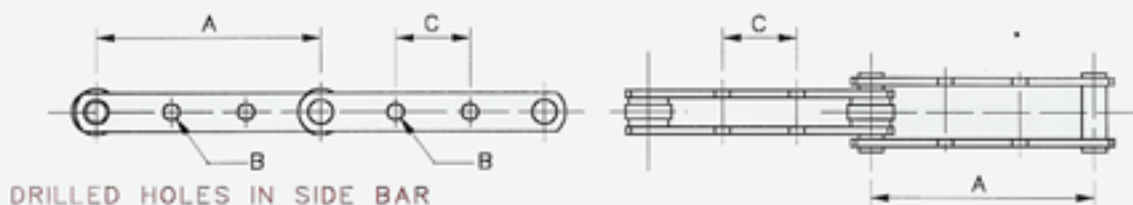
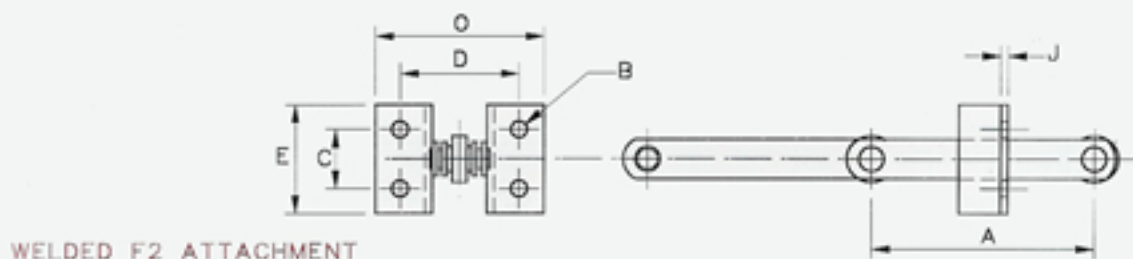
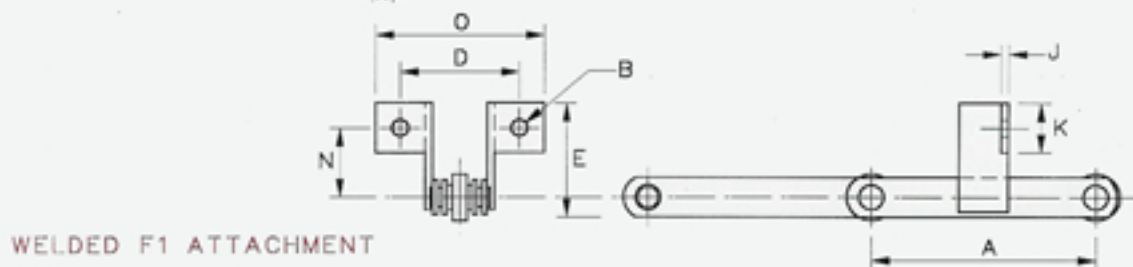
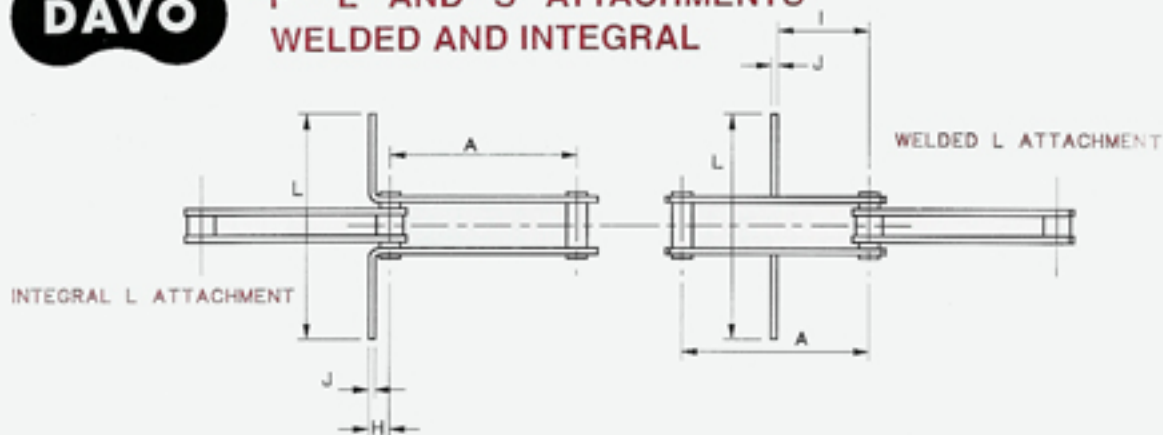


| K1 and K2 ATTACHMENTS BOTH WELDED AND INTEGRAL | | | | | | | | |
|--|---|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| DIMENSIONS IN MM (INCHES) | | | | | | | | |
| CHAIN PITCH(inches) | A | 1.5 | 2 | 2.5 | 3 | 4 | 4.5 | 6 |
| 3000/4500 lbs | | | | | | | | |
| PLATFORM HEIGHT | B | 16.50 (0.65) | | | | | 16.50 (0.65) | |
| K1 LENGTH | C | 19.00 (0.75) | 19.00 (0.75) | 38.10 (1.50) | | | 38.10 (1.50) | |
| K2 LENGTH | D | | 44.50 (1.75) | | 44.50 (1.75) | 69.90 (2.75) | 69.90 (2.75) | |
| HOLE PITCH | E | | 25.40 (1.00) | | | | 25.40 (1.00) | |
| TRANSVERSE PITCH | F | 22.40 (0.88) | | | | | 22.40 (0.88) | |
| K1 HOLE DIAMETER | G | 9.40 (0.37) | | | | | 9.40 (0.37) | |
| K2 HOLE DIAMETER | H | | 7.60 (0.30) | | | | 7.60 (0.30) | |
| OVERALL WIDTH | I | 74.50 (2.95) | | | | | 74.50 (2.95) | |
| 6000/7500 LBS | | | | | | | | |
| PLATFORM HEIGHT | B | | 19.00 (0.75) | | | | | 19.00 (0.75) |
| K1 LENGTH | C | | 19.00 (0.75) | 27.90 (1.10) | 27.90 (1.10) | 57.20 (2.25) | 57.20 (2.25) | 57.20 (2.25) |
| K2 LENGTH | D | | 38.10 (1.50) | 38.10 (1.50) | 44.50 (1.75) | 57.20 (2.25) | 57.20 (2.25) | 85.90 (3.38) |
| HOLE PITCH | E | | 22.40 (0.88) | | 22.40 (0.88) | 31.75 (1.25) | 31.75 (1.25) | 57.20 (2.25) |
| TRANSVERSE PITCH | F | | 38.10 (1.50) | | | | | 38.10 (1.50) |
| K1 HOLE DIAMETER | G | | 10.70 (0.42) | | | | | 10.70 (0.42) |
| K2 HOLE DIAMETER | H | | 9.40 (0.37) | | | | | 9.40 (0.37) |
| OVERALL WIDTH | I | | 101.60 (4.00) | | | | | 101.60 (4.00) |

| DIMENSIONS IN MM (INCHES) | | | | | | | | |
|---------------------------|---|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|
| CHAIN PITCH(inches) | A | 3.0 | 4 | 4.5 | 6 | 8 | 10 | 12 |
| 12000/15000 lbs | | | | | | | | |
| PLATFORM HEIGHT | B | 31.75 (1.25) | | | | 31.75 (1.25) | | |
| K1 LENGTH | C | 28.40 (1.12) | 34.80 (1.37) | 34.80 (1.37) | 51.20 (2.25) | 51.20 (2.25) | | |
| K2 LENGTH | D | 53.80 (2.12) | | 53.80 (2.12) | 104.60 (4.12) | 104.60 (4.12) | | |
| HOLE PITCH | E | 31.75 (1.25) | | 31.75 (1.25) | 57.20 (2.25) | 57.20 (2.25) | | |
| TRANSVERSE PITCH | F | 44.50 (1.75) | | | | 44.50 (1.75) | | |
| K1 HOLE DIAMETER | G | 13.70 (0.54) | | | | 13.70 (0.54) | | |
| K2 HOLE DIAMETER | H | 10.70 (0.42) | | | | 10.70 (0.42) | | |
| MAX.OVERALL WIDTH | I | 118.90 (4.68) | | | | 118.90 (4.68) | | |
| 24000/30000 LBS | | | | | | | | |
| PLATFORM HEIGHT | B | | 38.10 (1.50) | | | | | 38.10 (1.50) |
| K1 LENGTH | C | | 56.00 (2.20) | 34.80 (1.37) | 57.20 (2.25) | | | 57.20 (2.25) |
| K2 LENGTH | D | | 63.50 (2.50) | | 85.60 (3.37) | 127.00 (5.00) | 77.80 (3.08) | 228.60 (9.00) |
| HOLE PITCH | E | | 31.75 (1.25) | | 57.20 (2.25) | 88.90 (3.50) | 139.70 (5.50) | 190.50 (7.50) |
| TRANSVERSE PITCH | F | | 54.10 (2.13) | | | | | 54.10 (2.13) |
| K1 HOLE DIAMETER | G | | 15.50 (0.61) | | | | | 15.50 (0.61) |
| K2 HOLE DIAMETER | H | | 12.20 (0.48) | | | | | 12.20 (0.48) |
| MAX.OVERALL WIDTH | I | | 156.50 (6.16) | | | | | 156.50 (6.16) |
| 36000/45000/60000 LBS | | | | | | | | |
| PLATFORM HEIGHT | B | | | | 50.80 (2.00) | | | 50.80 (2.00) |
| K1 LENGTH | C | | | | 69.80 (2.75) | | | 69.80 (2.75) |
| K2 LENGTH | D | | | | 69.80 (2.75) | 120.70 (4.75) | 171.50 (6.75) | 222.30 (8.75) |
| HOLE PITCH | E | | | | 38.10 (1.50) | 63.50 (2.50) | 114.30 (4.50) | 165.10 (6.50) |
| TRANSVERSE PITCH | F | | | | 73.00 (2.87) | | | 73.00 (2.87) |
| K1 HOLE DIAMETER | G | | | | | | | |
| K2 HOLE DIAMETER | H | | | | 14.50 (0.57) | | | 14.50 (0.57) |
| MAX.OVERALL WIDTH | I | | | | 240.00 (9.45) | | | 240.00 (9.45) |
| 85000/100,000 LBS | | | | | | | | |
| PLATFORM HEIGHT | B | | | | 57.20 (2.25) | | | 57.20 (2.25) |
| K1 LENGTH | C | | | | 88.90 (3.50) | | | 88.90 (3.50) |
| K2 LENGTH | D | | | | 88.90 (3.50) | 139.70 (5.50) | 177.80 (7.00) | 228.60 (9.00) |
| HOLE PITCH | E | | | | 44.50 (1.75) | 76.20 (3.00) | 114.30 (4.50) | 165.10 (6.50) |
| TRANSVERSE PITCH | F | | | | 85.90 (3.38) | | | 85.90 (3.38) |
| K1 HOLE DIAMETER | G | | | | 20.10 (0.79) | | | 20.10 (0.79) |
| K2 HOLE DIAMETER | H | | | | 20.10 (0.79) | | | 20.10 (0.79) |
| MAX.OVERALL WIDTH | I | | | | 250.00 (9.84) | | | 250.00 (9.84) |



"F" "L" AND "S" ATTACHMENTS WELDED AND INTEGRAL



OTHER NON STANDARD ATTACHMENTS AVAILABLE ON REQUEST

“F” “L” AND “S” ATTACHMENTS WELDED AND INTEGRAL

| DIMENSIONS IN MM (INCHES) | | | | | | | |
|---------------------------|-----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| CHAIN TYPE | 3/4500 | 6/7500 | 12/15000 | 24/30000 | 36/45000 | 60,000 | 85/100,000 |
| CHAIN PITCH A (inches) | 1.5-4.5 | 2.0-6.0 | 3.0-8.0 | 4.0-12.0 | 6.0-12.0 | 6.0-12.0 | 6.0-12.0 |
| B | 7.51 (0.296) | 9.35 (0.368) | 10.69 (0.421) | 12.29 (0.484) | 13.87 (0.546) | 13.87 (0.546) | 19.84 (0.781) |
| C | 25.40 (1.00) | 31.75 (1.25) | 57.20 (2.25) | 69.90 (2.75) | 88.90 (3.50) | 88.90 (3.50) | 88.90 (3.50) |
| D | 44.50 (1.75) | 76.20 (3.00) | 88.90 (3.50) | 108.00 (4.25) | 146.00 (5.75) | 146.00 (5.75) | 171.50 (6.75) |
| E | 44.50 (1.75) | 55.90 (2.20) | 83.80 (3.30) | 108.00 (4.25) | 152.40 (6.00) | 152.40 (6.00) | 152.40 (6.00) |
| F | 76.20 (3.00) | 88.90 (3.50) | 133.40 (5.25) | 177.80 (7.00) | 208.30 (8.20) | 208.30 (8.20) | 235.00 (9.25) |
| G | 66.00 (2.60) | 76.20 (3.00) | 114.30 (4.50) | 152.40 (6.00) | 177.80 (7.00) | 177.80 (7.00) | 203.20 (8.00) |
| H | 12.70 (0.50) | 19.00 (0.75) | 25.40 (1.00) | 30.20 (1.19) | | | |
| I | CENTRE OF PITCH | | | | | | |
| J | 2.50 (0.090) | 5.00 (0.20) | 5.00 (0.20) | 6.00 (0.24) | 8.00 (0.31) | 8.00 (0.31) | 10.00 (0.39) |
| K | 19.00 (0.75) | 25.40 (1.00) | 31.75 (1.25) | 44.50 (1.75) | 63.50 (2.50) | 63.50 (2.50) | 63.50 (2.50) |
| L | TO CUSTOMER'S SPECIFICATION | | | | | | |
| M | 19.00 (0.75) | 25.40 (1.00) | 31.75 (1.25) | 38.10 (1.50) | 50.80 (2.00) | 50.80 (2.00) | 50.80 (2.00) |
| N | 26.20 (1.03) | 32.50 (1.28) | 51.60 (2.03) | 63.50 (2.50) | 90.25 (3.55) | 90.20 (3.55) | 90.20 (3.55) |
| O | 73.66 (2.90) | 101.60 (4.00) | 121.90 (4.80) | 160.00 (6.30) | 208.30 (8.20) | 208.30 (8.20) | 208.30 (8.20) |

CHAIN WEIGHTS Kg/m STD. ROLLER - FLANGED ROLLER BUSH D.S.B.
PLUS STANDARD ATTACHMENTS

3000/4500 LBS

| PITCH (INCHES) | 3000/4500lb STD. Roller | 3000lb Bush Chain | Flanged Roller | Deep Side plate | "K" att/ea per Side (kg) | 4500 lb Bush Chain |
|-------------------|----------------------------|-------------------------|-------------------|--------------------|--------------------------------|--------------------------|
| 1.5 | 2.40 | 1.70 | - | 2.60 | 0.029 | 1.70 |
| 2 | 2.00 | 1.50 | - | 2.30 | 0.060 | 1.40 |
| 2.5 | 1.70 | 1.30 | - | 2.00 | 0.060 | 1.30 |
| 3 | 1.50 | 1.20 | - | 1.70 | 0.072 | 1.20 |
| 4 | 1.30 | 1.20 | - | 1.60 | 0.072 | 1.00 |
| 4.5 | 1.20 | 1.10 | - | 1.40 | 0.072 | 1.00 |



CHAIN WEIGHTS Kg/m STD. ROLLER - FLANGED ROLLER BUSH D.S.B. PLUS STANDARD ATTACHMENTS

6000/7500 LBS

| PITCH (INCHES) | 6000lb Hollow Pin Std. Roller | 6000lb Bush Chain | 7500lb Solid Pin Std Roller | 7500lb Bush Chain | Deep Side plate | Flanged Roller | "K" att/ea. per Side (kg) |
|----------------|-------------------------------|-------------------|-----------------------------|-------------------|-----------------|----------------|---------------------------|
| 2 | 4.30 | 3.10 | 4.80 | 3.60 | 6.40 | | 0.11 |
| 3 | 3.40 | 2.70 | 3.70 | 3.00 | 5.10 | 4.20 | 0.11 |
| 4.0 | 3.10 | 2.50 | 3.30 | 2.70 | 4.80 | 3.70 | 0.11 |
| 4.5 | 2.90 | 2.40 | 3.10 | 2.50 | 4.70 | 3.40 | 0.11 |
| 6 | 2.70 | 2.20 | 2.80 | 2.40 | 4.30 | 3.10 | 0.21 |

12000/ 15000 LBS

| PITCH (INCHES) | 12000lb Hollow Pin Std. Roller | 12000lb Bush Chain | 15000lb Solid Pin Std Roller | 15000lb Bush Chain | Deep Side plate | Flanged Roller | "K" att/ea. per Side (kg) |
|----------------|--------------------------------|--------------------|------------------------------|--------------------|-----------------|----------------|---------------------------|
| 3 | 6.90 | 4.50 | 7.50 | 4.90 | 8.90 | 8.80 | 0.11 |
| 4 | 6.00 | 4.00 | 6.40 | 4.50 | 8.20 | 7.20 | 0.11 |
| 6 | 4.90 | 3.60 | 5.20 | 3.90 | 7.20 | 6.60 | 0.22 |
| 8 | 4.30 | 3.40 | 4.60 | 3.70 | 6.70 | 6.10 | 0.22 |

24000/30000 LBS

| PITCH (INCHES) | 24000lb Hollow Pin Std. Roller | 24000lb Bush Chain | 30000lb Solid Pin Std Roller | 30000lb Bush Chain | Deep Side plate | Flanged Roller | "K" att/ea. per Side (kg) |
|----------------|--------------------------------|--------------------|------------------------------|--------------------|-----------------|----------------|---------------------------|
| 4 | 13.60 | 8.00 | 15.10 | 9.50 | 17.34 | | 0.27 |
| 6 | 10.80 | 7.10 | 11.80 | 8.10 | 14.80 | 13.30 | 0.43 |
| 8 | 9.40 | 6.60 | 10.20 | 7.40 | 12.90 | 10.70 | 0.57 |
| 10 | 8.60 | 6.40 | 9.20 | 7.00 | 11.90 | 9.60 | 0.93 |
| 12 | 8.00 | 6.20 | 8.50 | 6.70 | 11.11 | 8.90 | 1.66 |

36000/45000 LBS

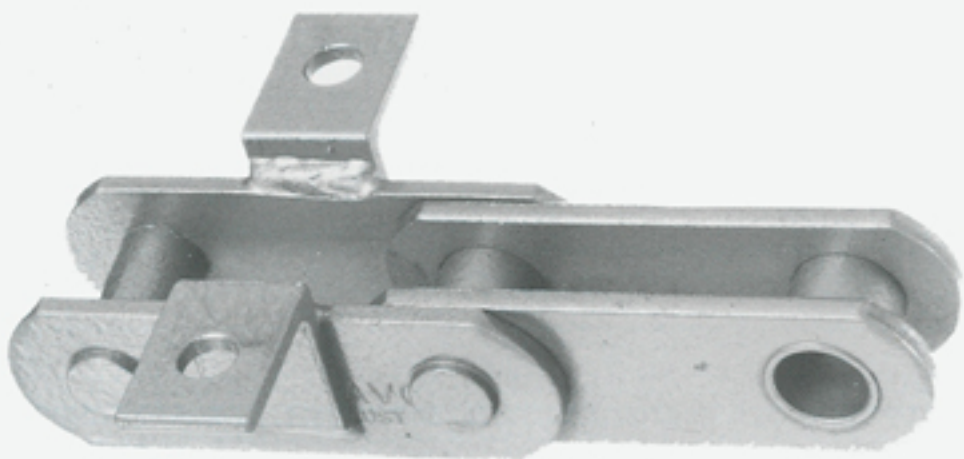
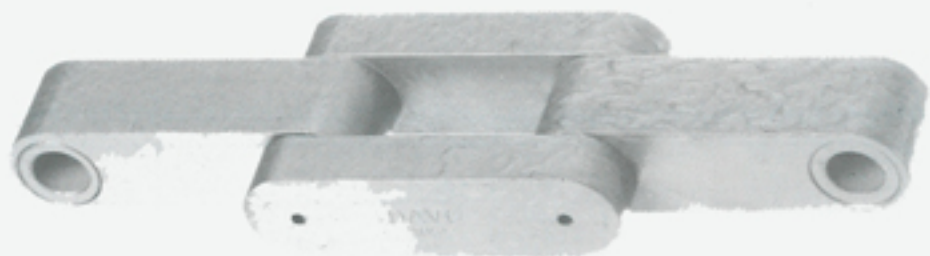
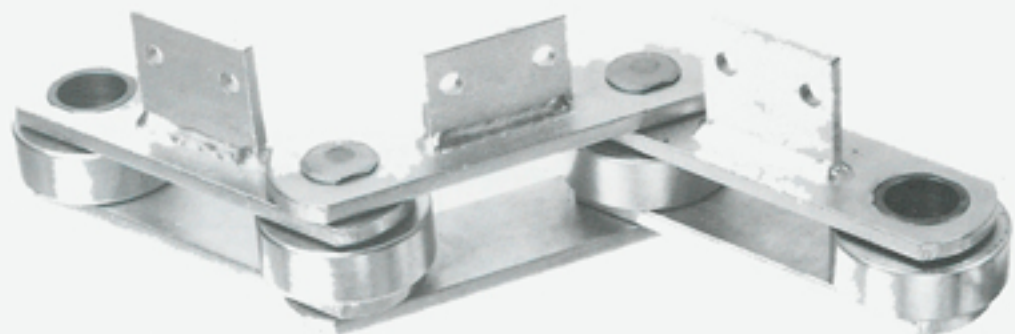
| PITCH (INCHES) | 36000lb Hollow Pin Std. Roller | 36000lb Bush Chain | 45000lb Solid Pin Std Roller | 45000lb Bush Chain | Deep Side plate | Flanged Roller | "K" att/ea. per Side (kg) |
|----------------|--------------------------------|--------------------|------------------------------|--------------------|-----------------|----------------|---------------------------|
| 6 | 22.30 | 11.80 | 24.30 | 13.80 | 27.40 | 25.90 | 0.72 |
| 8 | 18.80 | 10.90 | 20.30 | 12.40 | 24.10 | 21.40 | 1.14 |
| 10 | 16.70 | 10.40 | 17.90 | 11.60 | 20.60 | 18.80 | 1.56 |
| 12 | 15.30 | 10.10 | 16.30 | 11.00 | 18.20 | 17.00 | 2.29 |

60000 LBS

| PITCH (INCHES) | 60000lb Std. Roller | 60000lb Bush Chain | - | - | Deep Side plate | Flanged Roller | "K" att/ea. per Side (kg) |
|----------------|---------------------|--------------------|---|---|-----------------|----------------|---------------------------|
| 6 | 24.80 | 13.95 | | | 27.40 | 26.30 | 0.73 |
| 8 | 20.70 | 12.60 | | | 24.10 | 21.90 | 1.18 |
| 10 | 18.30 | 11.60 | | | 20.60 | 19.20 | 1.60 |
| 12 | 16.70 | 11.20 | | | 18.20 | 17.40 | 2.34 |

85000 /100,000 LBS

| PITCH (INCHES) | 85,000/ 100,000lb Std. Roller | 85,000/ 100,000lb Bush Chain | - | - | Deep Side plate | Flanged Roller | "K" att/ea. per Side (kg) |
|----------------|-------------------------------|------------------------------|---|---|-----------------|----------------|---------------------------|
| 6 | 30.10 | 19.40 | | | 34.60 | - | 1.16 |
| 8 | 24.50 | 17.10 | | | 29.10 | 25.50 | 1.89 |
| 10 | 22.70 | 16.20 | | | 26.50 | 23.40 | 2.25 |
| 12 | 21.30 | 15.90 | | | 27.00 | 22.10 | 2.86 |



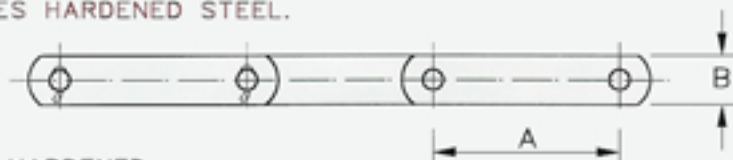


PLAIN CHAIN

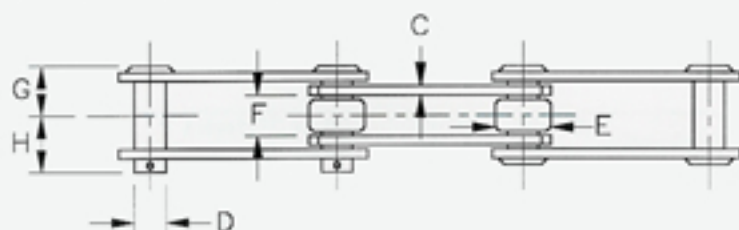
STEEL REPLACEMENT CHAINS DIMENSIONS

MATERIAL SPECIFICATIONS

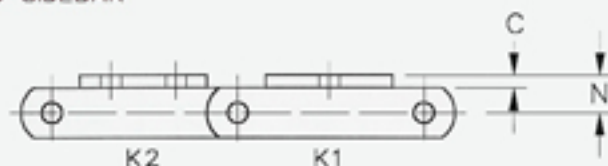
S SERIES SIDEBARS MEDIUM CARBON STEEL
PINS AND BUSHES HARDENED STEEL.



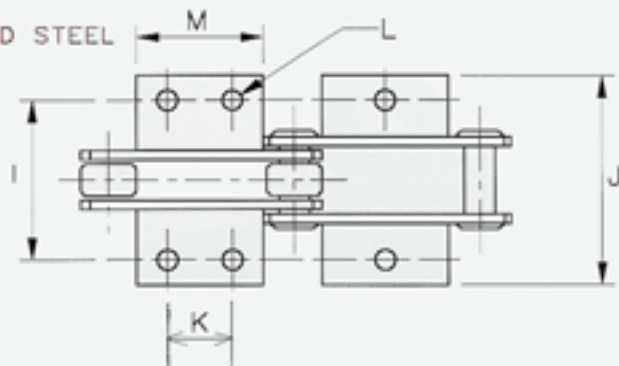
SS SERIES HAS HARDENED
SIDE BARS PINS AND BUSHES



K ATTACHMENTS WELDED TO SIDEBAR



ALL ATTACHMENTS MILD STEEL



OTHER NON STANDARD DIMENSIONS AND SPECIFICATIONS AVAILABLE ON REQUEST
SPECIFICATIONS ARE SUBJECT TO CHANGE OR CORRECTION

STEEL REPLACEMENT CHAINS COTTERED OR RIVETTED



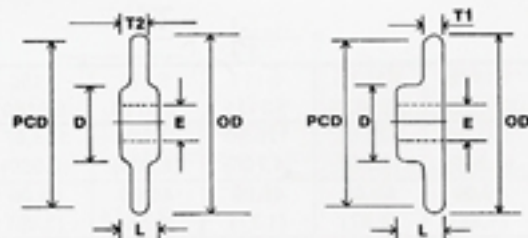
DIMENSIONS IN MM (INCHES)

| CHAIN NO. | | S188 SS188 | S131 SS131 | S102B SS102B | S102½ SS102½ | S111 SS111 | S110 SS110 | S150 SS150 |
|-------------------------------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| PITCH | A | 66.27 (2.609) | 78.11 (3.075) | 101.60 (4.000) | 102.62 (4.040) | 120.90 (4.760) | 152.40 (6.000) | 153.67 (6.050) |
| PLATE HEIGHT | B | | 40.00 (1.58) | 40.00 (1.58) | 50.00 (1.97) | 45.00 (1.77) | 40.00 (1.58) | 65.00 (2.56) |
| PLATE THICKNESS | C | 6.00 (0.24) | 10.00 (0.39) | 10.00 (0.39) | 10.00 (0.39) | 10.00 (0.39) | 10.00 (0.39) | 12.00 (0.47) |
| PIN DIAMETER | D | 12.70 (0.500) | 15.90 (.625) | 15.90 (.625) | 19.00 (0.750) | 19.00 (0.750) | 15.90 (.625) | 25.40 (1.00) |
| BUSH DIAMETER | E | 22.20 (0.875) | 31.75 (1.25) | 25.40 (1.00) | 34.93 (1.375) | 36.50 (1.437) | 31.75 (1.25) | 44.45 (1.750) |
| INNER WIDTH | F | 25.4 (1.00) | 32.30 (1.270) | 54.00 (2.125) | 57.20 (2.250) | 66.70 (2.625) | 54.00 (2.125) | 85.70 (3.375) |
| RIVET WIDTH | G | 34.30 (1.35) | 45.70 (1.80) | 59.70 (2.35) | 61.00 (2.40) | 66.00 (2.60) | 55.90 (2.20) | 78.70 (3.10) |
| COTTER WIDTH | H | 36.80 (1.45) | 48.30 (1.90) | 62.20 (2.45) | 63.50 (2.50) | 68.60 (2.70) | 58.40 (2.300) | 82.80 (3.30) |
| TRANSVERSE PITCH | I | 106.38 (4.188) | 104.78 (4.125) | 134.95 (5.313) | 134.95 (5.313) | 158.75 (6.250) | 134.95 (5.313) | - |
| OVERALL "K" WIDTH | J | 146.00 (5.75) | 137.00 (5.40) | 171.50 (6.75) | 169.00 (6.65) | 213.40 (8.40) | 177.80 (7.00) | - |
| "K" HOLE PITCH | K | 31.75 (1.250) | 38.10 (1.50) | 44.50 (1.750) | 44.50 (1.750) | 58.80 (2.313) | 44.50 (1.750) | - |
| "K" HOLE DIAMETER | L | 9.50 (0.375) | 14.30 (0.562) | 11.10 (0.438) | 13.40 (0.526) | 13.40 (0.526) | 11.10 (0.438) | - |
| "K" LENGTH | M | 55.10 (2.17) | 65.00 (2.56) | 74.90 (2.95) | 74.90 (2.95) | 89.00 (3.54) | 74.90 (2.95) | - |
| ATTACHMENT HEIGHT | N | 20.60 (0.813) | 25.40 (1.00) | 25.40 (1.00) | 28.60 (1.125) | 28.60 (1.125) | 25.40 (1.00) | - |
| CHAIN WEIGHT kg/m | | 5.69 | 12.00 | 11.10 | 15.20 | 14.80 | 10.10 | 25.20 |
| KG WEIGHT EXTRA EACH ATTACH | | 0.123 | 0.223 | 0.300 | 0.273 | 0.450 | 0.300 | - |
| ULTIMATE TENSILE STRENGTH LBS | S | 25,000 | 40,000 | 30,000 | 40,000 | 50,000 | 40,000 | 85,000 |
| | SS | 30,000 | 50,000 | 40,000 | 50,000 | 65,000 | 50,000 | 100,000 |

CONVEYOR CHAIN SPROCKETS — STEEL FABRICATED

Available on request

- Larger boss diameter and distance through
- Electro galvanised
- Other pitches
- Teeth machined to accommodate flange rollers
- Plate wheels
- Cast iron
- Flame hardened teeth
- Bush chains
- Split sprockets



PITCH CIRCLE DIAMETERS

Based on 1.0" Pitch of Chain. (Dimension in inches)

| No. of Teeth | Pitch Dia. | No. of Teeth | Pitch Dia. | No. of Teeth | Pitch Dia. | No. of Teeth | Pitch Dia. | No. of Teeth | Pitch Dia. |
|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
| 6 | 2.000 | 15 | 4.810 | 24 | 7.661 | 33 | 10.520 | 42 | 13.381 |
| 7 | 2.305 | 16 | 5.16 | 25 | 7.979 | 34 | 10.838 | 43 | 13.700 |
| 8 | 2.613 | 17 | 5.442 | 26 | 8.296 | 35 | 11.156 | 44 | 14.018 |
| 9 | 2.924 | 18 | 5.759 | 27 | 8.614 | 36 | 11.474 | 45 | 14.336 |
| 10 | 3.236 | 19 | 6.076 | 28 | 8.931 | 37 | 11.792 | 46 | 14.654 |
| 11 | 3.549 | 20 | 6.392 | 29 | 9.249 | 38 | 12.110 | 47 | 14.972 |
| 12 | 3.864 | 21 | 6.710 | 30 | 9.567 | 39 | 12.428 | 48 | 15.290 |
| 13 | 4.179 | 22 | 7.027 | 31 | 9.885 | 40 | 12.746 | 49 | 15.608 |
| 14 | 4.494 | 23 | 7.344 | 32 | 10.202 | 41 | 13.063 | 50 | 15.926 |

To find Pitch Diameters for pitches other than 1.0", multiply the figure in the table by the Chain Pitch

Example: Required: Pitch Circle Dia. for 12 tooth Sprocket to suit 4.0" Pitch Chain

$$\begin{aligned} \text{P.C.D.} &= \text{P.C.D. for 12 tooth 1." Pitch} \times \text{Pitch of Chain} \\ &= 3.864 \times 4.00 \end{aligned}$$

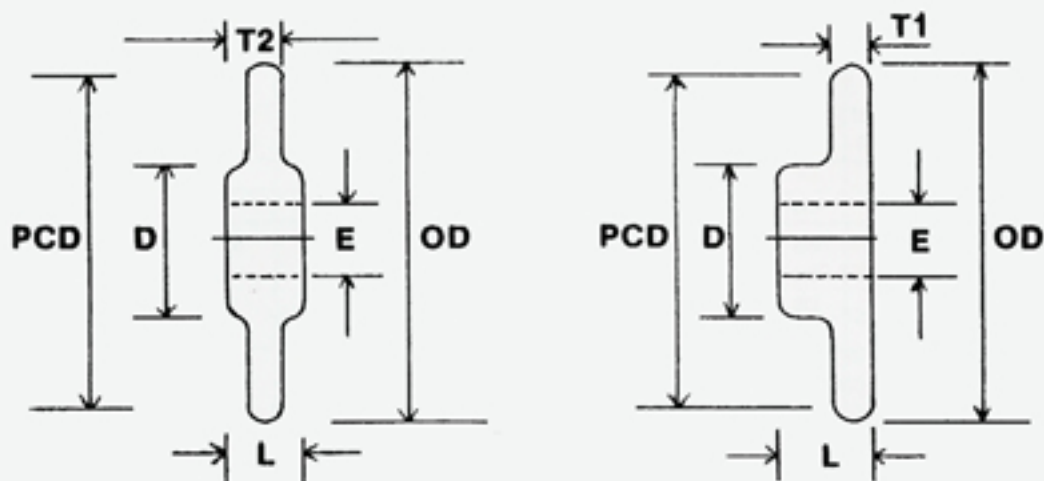
$$\text{P.C.D.} = 15.456"$$

CONVEYOR CHAIN SPROCKETS — STEEL FABRICATED

3000/4500 LBS

Dimensions in inches

| | Chain pitch | No. of teeth | ins | Pitch circle dia. | Outer dia. | Boss one side | Boss central | Boss single & central dis.thru | Boss dia. single/central | Max bore | Weight approx. |
|-------------|-------------|--------------|-----|-------------------|------------|---------------|--------------|--------------------------------|--------------------------|----------|----------------|
| Roller dia. | 1.00 | | ins | P.C.D. | O.D. | T1 | T2 | L | D | E | LBS |
| 15. | | 8 | ins | 3.92 | 4.30 | 0.39 | 1.50 | 3.00 | 2.55 | 1.50 | 5.5 |
| | | 10 | ins | 4.85 | 5.23 | | | | | | 6.4 |
| | | 12 | ins | 5.79 | 6.15 | | | | | | 7.1 |
| | | 16 | ins | 7.68 | 8.10 | | | | | | 9.5 |
| 2 | | 8 | ins | 5.22 | 5.60 | | | | | | 9.5 |
| | | 10 | ins | 6.47 | 6.85 | | | | | | 9.9 |
| | | 12 | ins | 7.72 | 8.15 | | | | | | 9.9 |
| | | 16 | ins | 10.25 | 10.65 | | | | | | 14.1 |
| 3 | | 8 | ins | 7.82 | 8.20 | | | | | | 9.7 |
| | | 10 | ins | 9.70 | 10.16 | | | | | | 13.0 |
| | | 12 | ins | 11.59 | 12.05 | | | | | | 16.5 |
| | | 16 | ins | 15.39 | 15.80 | | | | | | 26.0 |
| 4 | | 8 | ins | 10.45 | 10.75 | | | | | | 14.1 |
| | | 10 | ins | 12.94 | 13.40 | | | | | | 19.6 |
| | | 12 | ins | 15.45 | 15.90 | | | | | | 26.0 |
| | | 16 | ins | 20.50 | 20.90 | | | | | | 42.8 |
| 4.5 | | 8 | ins | 11.75 | 11.95 | | | | | | 16.5 |
| | | 10 | ins | 14.56 | 15.02 | | | | | | 23.4 |
| | | 12 | ins | 17.38 | 17.85 | | | | | | 32.0 |
| | | 16 | ins | 23.06 | 23.60 | 0.39 | 1.50 | 3.00 | 2.55 | 1.50 | 52.7 |



6000/7000 lb (Dimensions in inches)

| | Chain pitch | No. of teeth | ins | Pitch circle dia. | Outer dia. | Boss one side | Boss central | Boss single & central dis. thru | Boss dia. single/central | Max. bore | Weight approx. |
|-------------|-------------|--------------|-----|-------------------|------------|---------------|--------------|---------------------------------|--------------------------|-----------|----------------|
| Roller dia. | 1 1/4" | | ins | P.C.D. | O.D. | T1 | T2 | L | D | E | LBS |
| 2" | | 8 | ins | 5.23 | 5.85 | 0.47 | 1.75 | 3.50 | 3.54 | 2.00 | 11.9 |
| | | 10 | ins | 6.74 | 6.90 | | | | | | 13.5 |
| | | 12 | ins | 7.73 | 8.35 | | | | | | 15.7 |
| | | 16 | ins | 10.25 | 10.80 | | | | | | 20.9 |
| 3" | | 8 | ins | 7.84 | 8.45 | | | | | | 15.7 |
| | | 10 | ins | 9.71 | 10.32 | | | | | | 19.6 |
| | | 12 | ins | 11.59 | 12.35 | | | | | | 24.3 |
| | | 16 | ins | 15.38 | 16.25 | | | | | | 35.9 |
| 4" | | 8 | ins | 10.45 | 10.90 | | | | | | 20.7 |
| | | 10 | ins | 12.94 | 13.39 | | | | | | 27.3 |
| | | 12 | ins | 15.45 | 16.20 | | | | | | 35.9 |
| | | 16 | ins | 20.50 | 21.35 | | | | | | 56.9 |
| 4.5" | | 8 | ins | 11.76 | 12.26 | | | | | | 24.3 |
| | | 10 | ins | 14.56 | 15.00 | | | | | | 32.0 |
| | | 12 | ins | 17.39 | 17.95 | | | | | | 42.3 |
| | | 16 | ins | 23.07 | 23.91 | | | | | | 69.2 |
| 6" | | 8 | ins | 15.68 | 16.20 | 0.47 | 1.75 | 3.50 | 3.54 | 2.00 | 36.0 |
| | | 10 | ins | 19.42 | 19.84 | | | | | | 50.1 |
| | | 12 | ins | 23.18 | 23.65 | | | | | | 67.3 |
| | | 16 | ins | 30.76 | 31.40 | | | | | | 112.9 |

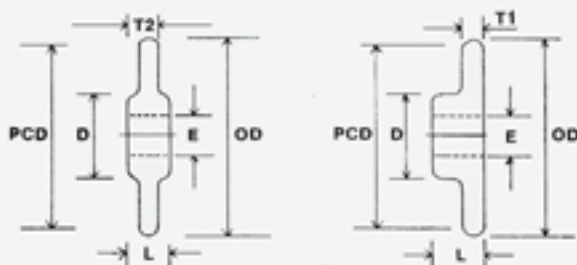
12,000 lb — 15,000 lb (Dimensions in inches)

| | Chain pitch | No. of teeth | ins | Pitch circle dia. | Outer dia. | Boss one side | Boss central | Boss single & central dis. thru | Boss dia. single/central | Max. bore | Weight approx. |
|-------------|-------------|--------------|-----|-------------------|------------|---------------|--------------|---------------------------------|--------------------------|-----------|----------------|
| Roller dia. | 1 1/2" | | ins | P.C.D. | O.D. | T1 | T2 | L | D | E | LBS |
| | 3" | 8 | ins | 7.84 | 8.60 | 0.63 | 2.00 | 4.00 | 3.93 | 2.5 | 23.6 |
| | | 10 | ins | 9.71 | 11.02 | | | | | | 28.0 |
| | | 12 | ins | 11.59 | 12.50 | | | | | | 35.7 |
| | | 16 | ins | 15.38 | 16.30 | | | | | | 48.7 |
| | 4" | 8 | ins | 10.45 | 11.00 | 50.9 | | | | | 29.8 |
| | | 10 | ins | 12.94 | 14.7 | | | | | | 39.7 |
| | | 12 | ins | 15.45 | 16.35 | | | | | | |
| | | 16 | ins | 20.50 | 21.55 | | | | | | 76.3 |
| | 6" | 8 | ins | 15.68 | 16.45 | | | | | | 49.2 |
| | | 10 | ins | 19.42 | 20.32 | | | | | | 69.5 |
| | | 12 | ins | 23.18 | 24.10 | | | | | | 93.9 |
| | | 16 | ins | 30.76 | 31.80 | | | | | | 154.4 |
| | 8" | 8 | ins | 20.90 | 21.65 | 0.63 | 2.00 | 4.00 | 3.93 | 2.5 | 78.9 |
| | | 10 | ins | 25.89 | 26.79 | | | | | | 112.2 |
| | | 12 | ins | 30.91 | 31.85 | | | | | | 155.5 |
| | | 16 | ins | 41.00 | 42.06 | | | | | | 260.6 |

24,000 / 30,000 lb (Dimensions in inches)

| | Chain pitch | No. of teeth | ins | Pitch circle dia. | Outer dia. | Boss one side | Boss central | Boss single & central dis. thru | Boss dia. single/central | Max. bore | Weight approx. |
|-------------|-------------|--------------|-----|-------------------|------------|---------------|--------------|---------------------------------|--------------------------|-----------|----------------|
| Roller dia. | 2.25" | | ins | P.C.D. | O.D. | T1 | T2 | L | D | E | LBS |
| | 4" | 8 | ins | 10.45 | 11.35 | 0.79 | 2.50 | 5.00 | 5.90 | 4.00 | 63.1 |
| | | 10 | ins | 12.94 | 14.72 | | | | | | 78.3 |
| | | 12 | ins | 15.45 | 16.55 | | | | | | 97.2 |
| | | 16 | ins | 20.50 | 21.50 | | | | | | 132.3 |
| | 6" | 8 | ins | 15.68 | 16.65 | | | | | | 94.2 |
| | | 10 | ins | 19.42 | 20.87 | | | | | | 128.3 |
| | | 12 | ins | 23.18 | 24.30 | | | | | | 166.3 |
| | | 16 | ins | 30.75 | 32.05 | | | | | | 257.1 |
| | 8" | 8 | ins | 20.91 | 21.85 | | | | | | 132.2 |
| | | 10 | ins | 25.89 | 27.34 | | | | | | 197.8 |
| | | 12 | ins | 30.91 | 32.00 | | | | | | 256.2 |
| | | 16 | ins | 41.00 | 42.30 | | | | | | 424.0 |
| | 10" | 8 | ins | 26.13 | 26.85 | | | | | | 188.5 |
| | | 10 | ins | 32.36 | 33.76 | | | | | | 282.7 |
| | | 12 | ins | 38.64 | 39.75 | | | | | | 377.9 |
| | | 16 | ins | 51.26 | 52.55 | | | | | | 639.5 |
| | 12" | 8 | ins | 31.36 | 32.30 | 0.79 | 2.50 | 5.00 | 5.90 | 4.00 | 257.1 |
| | | 10 | ins | 38.3 | 40.23 | | | | | | 385.0 |
| | | 12 | ins | 46.36 | 47.45 | | | | | | 524.8 |
| | | 16 | ins | 61.51 | 62.80 | | | | | | 895.0 |

CONVEYOR CHAIN SPROCKETS – STEEL FABRICATED

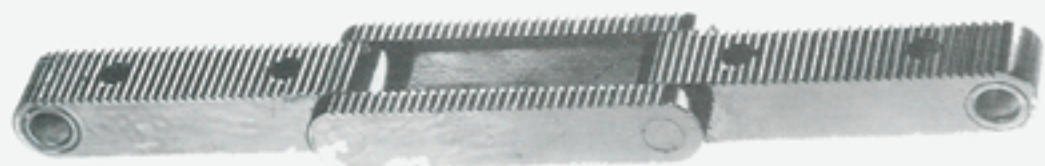
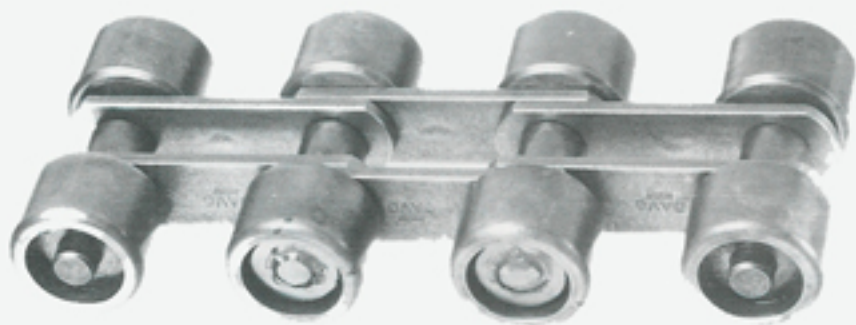
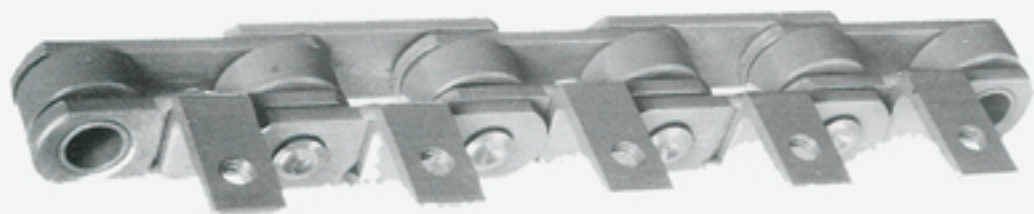



35,000 / 45,000 / 60,000 lbs (Dimensions in inches)

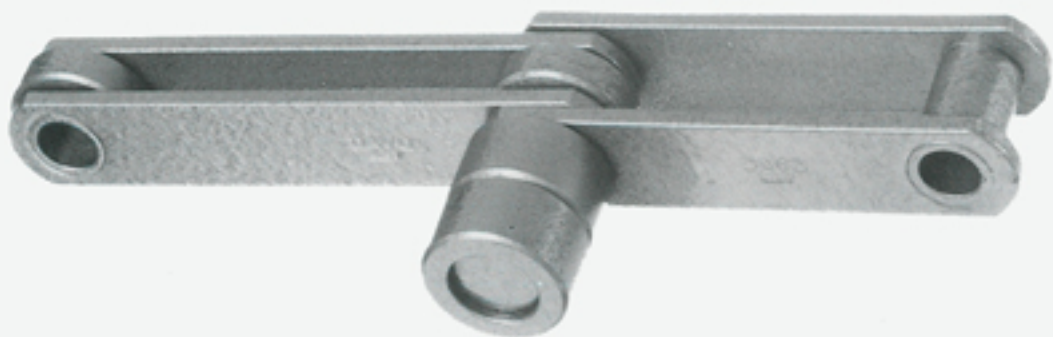
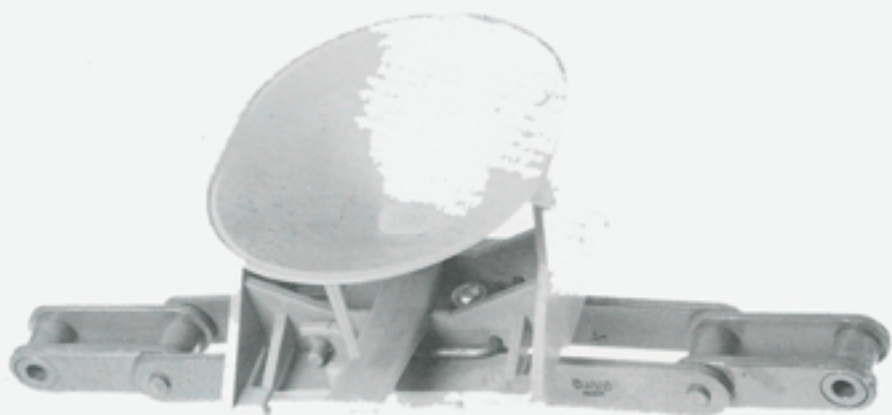
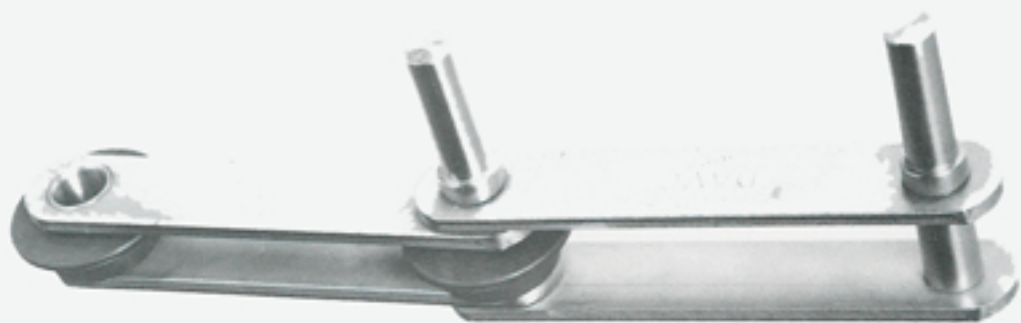
| | Chain pitch | No. of teeth | ins | Pitch circle dia. | Outer dia. | Boss one side | Boss central | Boss single & central dis. thru | Boss dia. single/central | Max. bore | Weight approx. |
|-------------|-------------|--------------|-----|-------------------|------------|---------------|--------------|---------------------------------|--------------------------|-----------|----------------|
| Roller dia. | 3.50 | | ins | P.C.D. | O.D. | T1 | T2 | L | D | E | LBS |
| 6" | 8 | 8 | ins | 15.68 | 16.80 | 1.26 | 3.25 | 6.50 | 8.50 | 4.50 | 173.1 |
| | | 10 | ins | 19.42 | 20.84 | | | | | | 224.9 |
| | | 12 | ins | 23.18 | 24.60 | | | | | | 280.9 |
| | | 16 | ins | 30.75 | 32.45 | | | | | | 431.5 |
| 8" | 8 | 8 | ins | 20.90 | 22.25 | | | | | | 244.8 |
| | | 10 | ins | 25.88 | 27.22 | | | | | | 325.7 |
| | | 12 | ins | 30.91 | 32.45 | | | | | | 431.5 |
| | | 16 | ins | 41.00 | 42.75 | | | | | | 688.0 |
| 10" | 8 | 8 | ins | 26.13 | 27.45 | | | | | | 333.0 |
| | | 10 | ins | 32.26 | 33.68 | | | | | | 457.5 |
| | | 12 | ins | 38.64 | 40.15 | | | | | | 617.4 |
| | | 16 | ins | 51.26 | 53.00 | | | | | | 1020.9 |
| 12" | 8 | 8 | ins | 31.36 | 32.70 | 1.26 | 3.25 | 6.50 | 8.50 | 4.50 | 435.7 |
| | | 10 | ins | 38.83 | 40.17 | | | | | | 617.8 |
| | | 12 | ins | 46.36 | 47.90 | | | | | | 848.9 |
| | | 16 | ins | 61.51 | 63.25 | | | | | | 1411.2 |

85,000 / 100,000 lb (Dimensions in inches)

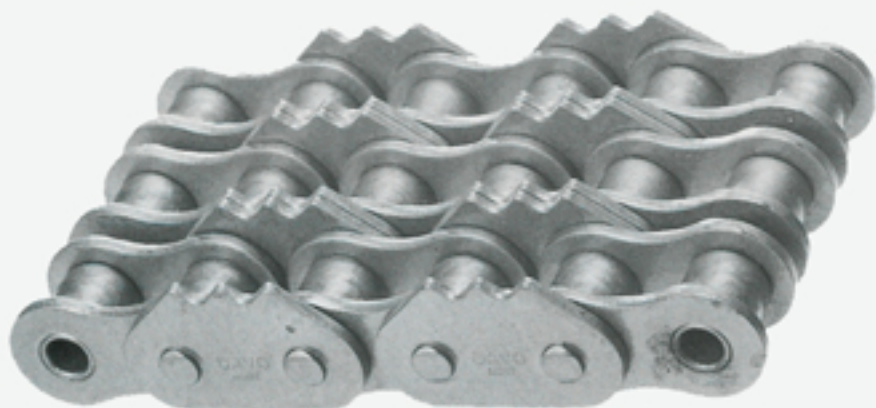
| | Chain pitch | No. of teeth | ins | Pitch circle dia. | Outer dia. | Boss one side | Boss central | Boss single & central dis. thru | Boss dia. single/central | Max. bore | Weight approx. |
|-------------|-------------|--------------|-----|-------------------|------------|---------------|--------------|---------------------------------|--------------------------|-----------|----------------|
| Roller dia. | 3.50 | | ins | P.C.D. | O.D. | T1 | T2 | L | D | E | LBS |
| 6" | 8 | 8 | ins | 15.67 | 16.80 | 1.26 | 5.25 | 6.50 | 10.50 | 6.00 | 216.5 |
| | | 10 | ins | 19.41 | 20.95 | | | | | | 265.3 |
| | | 12 | ins | 23.18 | 24.60 | | | | | | 325.0 |
| | | 16 | ins | 30.75 | 32.45 | | | | | | 474.7 |
| 8" | 8 | 8 | ins | 20.90 | 22.25 | | | | | | 288.0 |
| | | 10 | ins | 25.88 | 27.42 | | | | | | 376.2 |
| | | 12 | ins | 30.91 | 32.45 | | | | | | 474.7 |
| | | 16 | ins | 41.00 | 42.75 | | | | | | 731.2 |
| 10" | 8 | 8 | ins | 26.13 | 27.45 | | | | | | 376.2 |
| | | 10 | ins | 32.36 | 33.88 | | | | | | 505.2 |
| | | 12 | ins | 38.63 | 40.15 | | | | | | 660.6 |
| | | 16 | ins | 51.25 | 53.00 | | | | | | 1064.6 |
| 12" | 8 | 8 | ins | 31.36 | 32.70 | 1.26 | 5.25 | 6.50 | 10.50 | 6.00 | 478.9 |
| | | 10 | ins | 38.83 | 40.37 | | | | | | 665.9 |
| | | 12 | ins | 46.36 | 47.90 | | | | | | 891.9 |
| | | 16 | ins | 61.51 | 63.35 | | | | | | 1453.8 |



DAVO



DAVO



DAVIDSON CHAIN PTY. LTD.

DAVO

Phone 9457 6066 Fax 9457 4861