CAPT POWER TRANSMISSION 凯普特传动

NSPT New Standard Power Transmission

# Tensional Sprockets

NSPT series of engineered conveying sprockets, such as double pitch sprockets, double single sprockets, welding sprockets and hubs are suitable for transmission devices that are of advanced quality and comprehensive types.

The veteran engineers from NSPT can provide customers with professional technical support as well as give them suggestions on OEM products manufacturing, according to their requests.

Meanwhile, NSPT supplies various engineered conveying chains that are suitable to those sprockets.

CAPT POWER TRANSMISSION 凯普特传动

NSPT New Standard Power Transmission

# Tensional Sprockets

## NSPT elite series of engineered conveying sprockets

Standard Double Single (DS) sprockets, special DS sprockets, various bores with different precision degrees and shapes based on customers' installation needs.

Weldable plate wheels and weldable hubs used on agricultural mechanisms.

Engineered conveying sprockets with big pitches made of high quality steel, fine milled teeth with high transmission precision.

Various engineered conveying sprockets are made of stainless steel (US304)

NSPT provides services such as designing and manufacturing non-standard engineered conveying sprockets with technical supports. We can also design transmission device sets or components according to special customer requests.

The cost accountants from NSPT can give suggestions to customers on how to save costs to the maximum degree while achieving high quality.


Engineered conveying sprockets made by CNC machining center.

CAPT POWER TRANSMISSION 凯普特传动

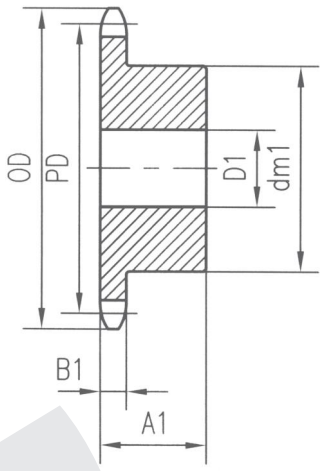
NSPT New Standard Power Transmission

# Stainless steel Sprockets

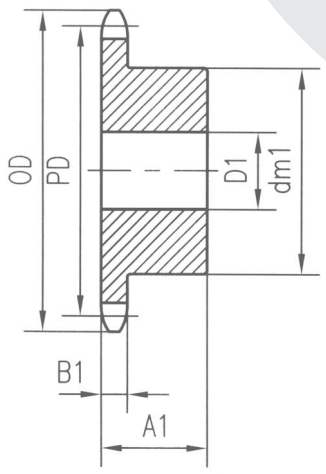
SUS304

## 25-1 FOR 1/4" PITCH

| NO. Teeth | Catalog NO. | OD | Bore | | Hub | | wt Lbs |
|---|---|---|---|---|---|---|---|
| | | | Stock | Max | dm1 | A1 | |
| 9 | SS25B9 | .837 | 1/4 | 1/4 | 7/16 | 1/2 | 0.03 |
| 10 | SS25B10 | .919 | 1/4 | 1/4 | 1/2 | 1/2 | 0.03 |
| 11 | SS25B11 | 1.002 | 1/4 | 5/16 | 9/16 | 1/2 | 0.03 |
| 12 | SS25B12 | 1.083 | 1/4 | 3/8 | 5/8 | 1/2 | 0.06 |
| 13 | SS25B13 | 1.167 | 1/4 | 7/16 | 23/32 | 1/2 | 0.07 |
| 14 | SS25B14 | 1.246 | 1/4 | 9/16 | 13/16 | 1/2 | 0.08 |
| 15 | SS25B15 | 1.326 | 1/4 | 9/16 | 57/64 | 1/2 | 0.10 |
| 16 | SS25B16 | 1.407 | 1/4 | 9/16 | 31/32 | 1/2 | 0.12 |
| 17 | SS25B17 | 1.487 | 1/4 | 5/8 | 1 1/32 | 1/2 | 0.14 |
| 18 | SS25B18 | 1.568 | 1/4 | 3/4 | 1 1/8 | 1/2 | 0.16 |
| 19 | SS25B19 | 1.648 | 1/4 | 13/16 | 1 7/32 | 1/2 | 0.19 |
| 20 | SS25B20 | 1.729 | 1/4 | 7/8 | 1 9/32 | 5/8 | 0.25 |
| 21 | SS25B21 | 1.809 | 1/4 | 7/8 | 1 3/8 | 5/8 | 0.28 |
| 22 | SS25B22 | 1.889 | 1/4 | 15/16 | 1 7/16 | 5/8 | 0.31 |
| 23 | SS25B23 | 1.969 | 1/4 | 1 | 1 1/2 | 5/8 | 0.32 |
| 24 | SS25B24 | 2.049 | 3/8 | 1 | 1 1/2 | 5/8 | 0.33 |
| 25 | SS25B25 | 2.129 | 3/8 | 1 | 1 1/2 | 5/8 | 0.34 |
| 26 | SS25B26 | 2.209 | 3/8 | 1 | 1 1/2 | 5/8 | 0.35 |
| 28 | SS25B28 | 2.369 | 3/8 | 1 | 1 1/2 | 5/8 | 0.36 |
| 30 | SS25B30 | 2.529 | 3/8 | 1 | 1 1/2 | 5/8 | 0.38 |
| 36 | SS25B36 | 3.008 | 3/8 | 1 | 1 1/2 | 3/4 | 0.50 |
| 40 | SS25B40 | 3.327 | 1/2 | 1 3/8 | 2 | 3/4 | 0.53 |




## 35-1 FOR 3/8" PITCH




| NO. Teeth | Catalog NO. | OD | Bore | | Hub | | wt Lbs |
|---|---|---|---|---|---|---|---|
| | | | Stock | Max | dm1 | A1 | |
| 9 | SS35B9 | 1.26 | 3/8 | 3/8 | 27/32 | 3/4 | 0.10 |
| 10 | SS35B10 | 1.38 | 3/8 | 9/16 | 31/32 | 3/4 | 0.15 |
| 11 | SS35B11 | 1.50 | 3/8 | 9/16 | 1 1/16 | 3/4 | 0.20 |
| 12 | SS35B12 | 1.63 | 1/2 | 5/8 | 1 7/32 | 3/4 | 0.22 |
| 13 | SS35B13 | 1.75 | 1/2 | 3/4 | 1 1/4 | 3/4 | 0.25 |
| 14 | SS35B14 | 1.87 | 1/2 | 7/8 | 1 1/4 | 3/4 | 0.26 |
| 15 | SS35B15 | 1.99 | 1/2 | 7/8 | 1 11/32 | 3/4 | 0.30 |
| 16 | SS35B16 | 2.11 | 1/2 | 15/16 | 1 15/32 | 3/4 | 0.40 |
| 17 | SS35B17 | 2.23 | 1/2 | 1 1/16 | 1 19/32 | 3/4 | 0.43 |
| 18 | SS35B18 | 2.35 | 1/2 | 1 3/16 | 1 23/32 | 3/4 | 0.50 |
| 19 | SS35B19 | 2.47 | 1/2 | 1 1/4 | 1 27/32 | 3/4 | 0.56 |
| 20 | SS35B20 | 2.59 | 1/2 | 1 5/16 | 1 15/16 | 3/4 | 0.68 |
| 21 | SS35B21 | 2.71 | 1/2 | 1 3/8 | 2 | 7/8 | 0.80 |
| 22 | SS35B22 | 2.83 | 1/2 | 1 3/8 | 2 | 7/8 | 0.82 |
| 23 | SS35B23 | 2.95 | 1/2 | 1 3/8 | 2 | 7/8 | 0.87 |
| 24 | SS35B24 | 3.07 | 1/2 | 1 3/8 | 2 | 7/8 | 0.89 |
| 25 | SS35B25 | 3.19 | 1/2 | 1 3/8 | 2 | 7/8 | 0.91 |
| 26 | SS35B26 | 3.31 | 1/2 | 1 3/8 | 2 | 7/8 | 0.93 |
| 28 | SS35B28 | 3.55 | 1/2 | 1 3/8 | 2 | 7/8 | 1.00 |
| 30 | SS35B30 | 3.79 | 1/2 | 1 3/8 | 2 | 7/8 | 1.00 |
| 36 | SS35B36 | 4.51 | 5/8 | 1 1/2 | 2 1/4 | 7/8 | 1.56 |
| 40 | SS35B40 | 4.99 | 5/8 | 1 1/2 | 2 1/4 | 1 | 1.70 |

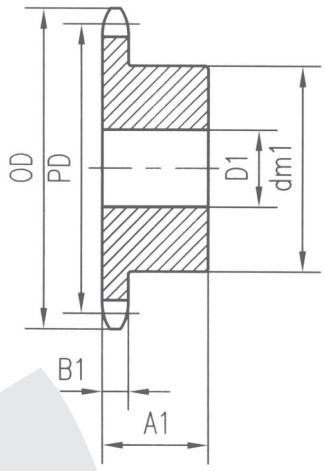
New Standard Power Transmission

# Stainless steel Sprockets

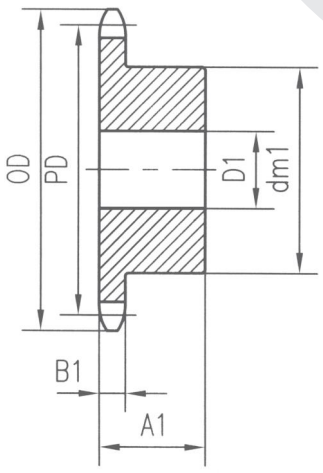
SUS304

## 40-1 FOR 1/2" PITCH

| NO. Teeth | Catalog NO. | O.D. | Bore | | Hub | | wt Lbs |
|---|---|---|---|---|---|---|---|
| | | | Stock | Max | dm1 | A1 | |
| 10 | SS40B10 | 1.84 | 1/2 | 3/4 | 1 1/4 | 7/8 | 0.28 |
| 11 | SS40B11 | 2.00 | 1/2 | 13/16 | 1 3/8 | 7/8 | 0.36 |
| 12 | SS40B12 | 2.17 | 1/2 | 15/16 | 1 9/16 | 7/8 | 0.44 |
| 13 | SS40B13 | 2.33 | 1/2 | 1 1/16 | 1 9/16 | 7/8 | 0.50 |
| 14 | SS40B14 | 2.49 | 1/2 | 1 1/8 | 1 11/16 | 7/8 | 0.60 |
| 15 | SS40B15 | 2.65 | 5/8 | 1 1/4 | 1 13/16 | 7/8 | 0.68 |
| 16 | SS40B16 | 2.81 | 5/8 | 1 3/8 | 2 | 7/8 | 0.82 |
| 17 | SS40B17 | 2.98 | 5/8 | 1 7/16 | 2 1/8 | 1 | 1.06 |
| 18 | SS40B18 | 3.14 | 5/8 | 1 1/2 | 2 5/16 | 1 | 1.24 |
| 19 | SS40B19 | 3.30 | 5/8 | 1 3/4 | 2 1/2 | 1 | 1.42 |
| 20 | SS40B20 | 3.46 | 5/8 | 1 7/8 | 2 5/8 | 1 | 1.60 |
| 21 | SS40B21 | 3.62 | 5/8 | 1 7/8 | 2 3/4 | 1 | 1.68 |
| 22 | SS40B22 | 3.78 | 5/8 | 1 7/8 | 2 7/8 | 1 | 1.81 |
| 23 | SS40B23 | 3.94 | 5/8 | 2 | 3 | 1 | 2.18 |
| 24 | SS40B24 | 4.10 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.20 |
| 25 | SS40B25 | 4.26 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.34 |
| 26 | SS40B26 | 4.42 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.40 |
| 28 | SS40B28 | 4.74 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.75 |
| 30 | SS40B30 | 5.06 | 5/8 | 2 1/4 | 3 1/4 | 1 | 2.88 |
| 35 | SS40B35 | 5.86 | 5/8 | 2 1/4 | 3 1/4 | 1 | 3.32 |
| 40 | SS40B40 | 6.65 | 3/4 | 2 3/8 | 3 1/2 | 1 | 4.28 |




## 50-1 FOR 1/2" PITCH




| NO. Teeth | Catalog NO. | O.D. | Bore | | Hub | | wt Lbs |
|---|---|---|---|---|---|---|---|
| | | | Stock | Max | dm1 | A1 | |
| 10 | SS50B10 | 2.30 | 5/8 | 7/8 | 1 9/16 | 1 | 0.50 |
| 11 | SS50B11 | 2.50 | 5/8 | 1 | 1 3/4 | 1 | 0.60 |
| 12 | SS50B12 | 2.71 | 5/8 | 1 1/4 | 1 63/64 | 1 | 0.70 |
| 13 | SS50B13 | 2.91 | 5/8 | 1 5/16 | 1 7/8 | 1 | 0.80 |
| 14 | SS50B14 | 3.11 | 5/8 | 1 7/16 | 2 1/8 | 1 | 1.0 |
| 15 | SS50B15 | 3.32 | 5/8 | 1 1/2 | 2 3/8 | 1 | 1.3 |
| 16 | SS50B16 | 3.52 | 5/8 | 1 3/4 | 2 1/2 | 1 | 1.5 |
| 17 | SS50B17 | 3.72 | 5/8 | 1 7/8 | 2 11/16 | 1 | 1.8 |
| 18 | SS50B18 | 3.92 | 5/8 | 1 7/8 | 2 7/8 | 1 | 2.0 |
| 19 | SS50B19 | 4.12 | 5/8 | 1 3/4 | 2 1/2 | 1 | 2.3 |
| 20 | SS50B20 | 4.32 | 3/4 | 1 3/4 | 2 1/2 | 1 | 2.5 |
| 21 | SS50B21 | 4.52 | 3/4 | 2 | 3 | 1 | 2.7 |
| 22 | SS50B22 | 4.72 | 3/4 | 2 | 3 | 1 | 3.3 |
| 23 | SS50B23 | 4.92 | 3/4 | 2 | 3 | 1 | 3.8 |
| 24 | SS50B24 | 5.12 | 3/4 | 2 | 3 | 1 1/4 | 4.1 |
| 25 | SS50B25 | 5.32 | 3/4 | 2 | 3 | 1 1/4 | 4.3 |
| 26 | SS50B26 | 5.52 | 3/4 | 2 | 3 | 1 1/4 | 4.6 |
| 28 | SS50B28 | 5.92 | 3/4 | 2 | 3 | 1 1/4 | 5.0 |
| 30 | SS50B30 | 6.32 | 3/4 | 2 1/4 | 3 1/4 | 1 1/4 | 5.2 |
| 35 | SS50B35 | 7.32 | 3/4 | 2 1/4 | 3 1/4 | 1 1/4 | 6.5 |
| 40 | SS50B40 | 8.32 | 3/4 | 2 1/4 | 3 1/4 | 1 1/4 | 7.8 |

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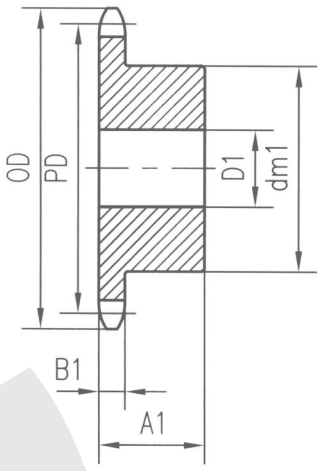
NSPT New Standard Power Transmission

# Stainless steel Sprockets

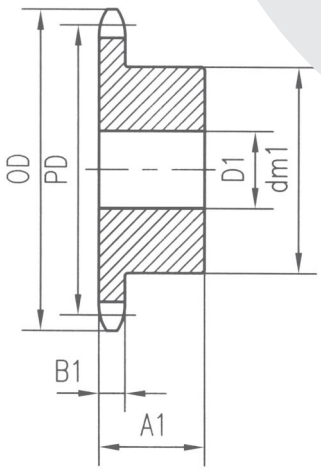
SUS304

## 60-1 FOR 3/4" PITCH

| NO. Teeth | Catalog NO. | O.D. | Bore | | Hub | | wt Lbs |
|---|---|---|---|---|---|---|---|
| | | | Stock | Max | dm1 | A1 | |
| 12 | SS60B12 | 3.25 | 3/4 | 1 3/8 | 2 3/8 | 1 1/4 | 1.5 |
| 13 | SS60B13 | 3.49 | 3/4 | 1 1/2 | 2 11/32 | 1 1/4 | 1.8 |
| 14 | SS60B14 | 3.74 | 3/4 | 1 3/4 | 2 9/16 | 1 1/4 | 2.0 |
| 15 | SS60B15 | 3.98 | 3/4 | 1 7/8 | 2 7/8 | 1 1/4 | 2.4 |
| 16 | SS60B16 | 4.22 | 3/4 | 2 | 3 1/16 | 1 1/4 | 2.8 |
| 17 | SS60B17 | 4.47 | 3/4 | 2 1/4 | 3 1/4 | 1 1/4 | 3.3 |
| 18 | SS60B18 | 4.70 | 3/4 | 2 3/8 | 3 1/2 | 1 1/4 | 3.8 |
| 19 | SS60B19 | 4.95 | 3/4 | 2 3/8 | 3 1/2 | 1 1/4 | 4.0 |
| 20 | SS60B20 | 5.19 | 3/4 | 2 5/8 | 3 7/8 | 1 1/4 | 4.6 |
| 21 | SS60B21 | 5.43 | 3/4 | 2 3/4 | 4 | 1 1/4 | 5.0 |
| 22 | SS60B22 | 5.67 | 3/4 | 2 3/4 | 4 | 1 1/4 | 5.3 |
| 23 | SS60B23 | 5.91 | 3/4 | 2 3/4 | 4 | 1 1/4 | 5.7 |
| 24 | SS60B24 | 6.15 | 3/4 | 2 3/4 | 4 | 1 1/4 | 5.9 |
| 25 | SS60B25 | 6.39 | 3/4 | 2 3/4 | 4 | 1 1/4 | 6.1 |
| 26 | SS60B26 | 6.63 | 3/4 | 2 3/4 | 4 | 1 1/4 | 6.3 |
| 28 | SS60B28 | 7.11 | 3/4 | 2 3/4 | 4 | 1 1/4 | 6.7 |
| 30 | SS60B30 | 7.59 | 3/4 | 2 3/4 | 4 | 1 1/4 | 7.0 |
| 35 | SS60B35 | 8.78 | 1 | 2 3/4 | 4 | 1 1/4 | 9.0 |
| 40 | SS60B40 | 9.98 | 1 | 2 3/4 | 4 1/4 | 1 1/4 | 11.7 |




## 80-1 FOR 1" PITCH




| NO. Teeth | Catalog NO. | O.D. | Bore | | Hub | | wt Lbs |
|---|---|---|---|---|---|---|---|
| | | | Stock | Max | dm1 | A1 | |
| 12 | SS80B12 | 4.33 | 1 | 1 7/8 | 3 1/8 | 1 5/8 | 3.4 |
| 13 | SS80B13 | 4.66 | 1 | 2 | 3 | 1 1/2 | 3.5 |
| 14 | SS80B14 | 4.98 | 1 | 2 1/4 | 3 1/4 | 1 1/2 | 4.1 |
| 15 | SS80B15 | 5.30 | 1 | 2 1/2 | 3 13/16 | 1 1/2 | 5.3 |
| 16 | SS80B16 | 5.63 | 1 | 2 3/4 | 4 | 1 1/2 | 5.9 |
| 17 | SS80B17 | 5.95 | 1 | 2 3/4 | 4 | 1 1/2 | 6.6 |
| 18 | SS80B18 | 6.27 | 1 | 2 3/4 | 4 1/4 | 1 1/2 | 7.3 |
| 19 | SS80B19 | 6.59 | 1 | 2 3/4 | 4 1/4 | 1 1/2 | 7.8 |
| 20 | SS80B20 | 6.91 | 1 | 2 3/4 | 4 1/4 | 1 1/2 | 8.4 |
| 21 | SS80B21 | 7.24 | 1 | 2 3/4 | 4 1/4 | 1 3/4 | 9.4 |
| 22 | SS80B22 | 7.56 | 1 | 2 3/4 | 4 1/4 | 1 3/4 | 10.0 |
| 23 | SS80B23 | 7.88 | 1 | 2 3/4 | 4 1/4 | 1 3/4 | 10.7 |
| 24 | SS80B24 | 8.20 | 1 | 2 3/4 | 4 1/4 | 1 3/4 | 11.3 |
| 25 | SS80B25 | 8.52 | 1 | 2 3/4 | 4 1/4 | 1 3/4 | 11.9 |
| 26 | SS80B26 | 8.84 | 1 1/4 | 3 1/4 | 4 3/4 | 2 | 14.3 |
| 28 | SS80B28 | 9.48 | 1 1/4 | 3 1/4 | 4 3/4 | 2 | 16.0 |
| 30 | SS80B30 | 10.11 | 1 3/16 | 3 1/4 | 4 3/4 | 2 | 17.1 |

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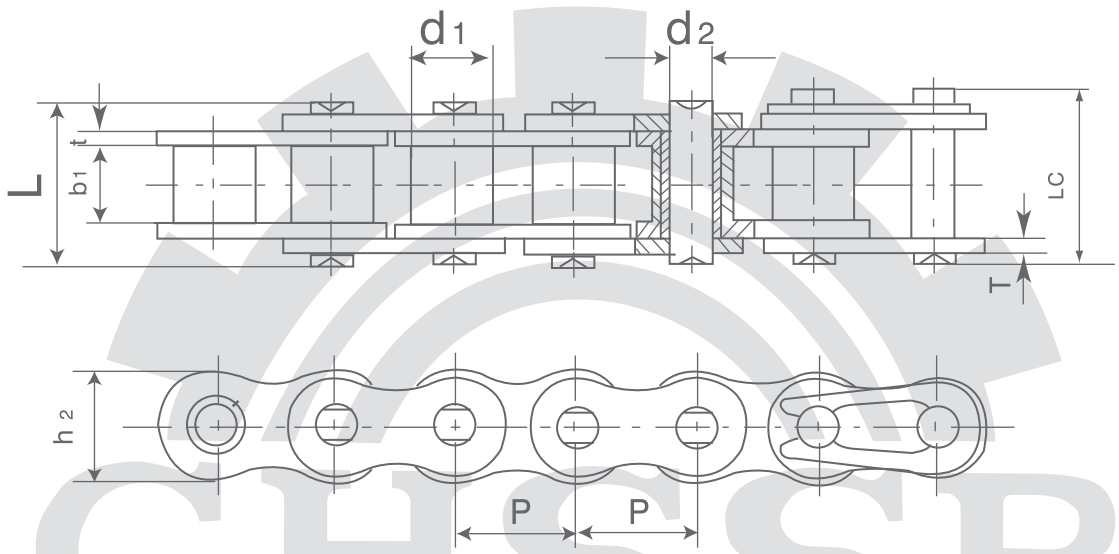
NSPT New Standard Power Transmission

# Sprockets - Chain

ANSI B29.1-86

Stainless steel chains are suitable for corrosive conditions involving food,chemicals, pharmaceuticals,etc. It is also suitable for high and low temperature conditions.



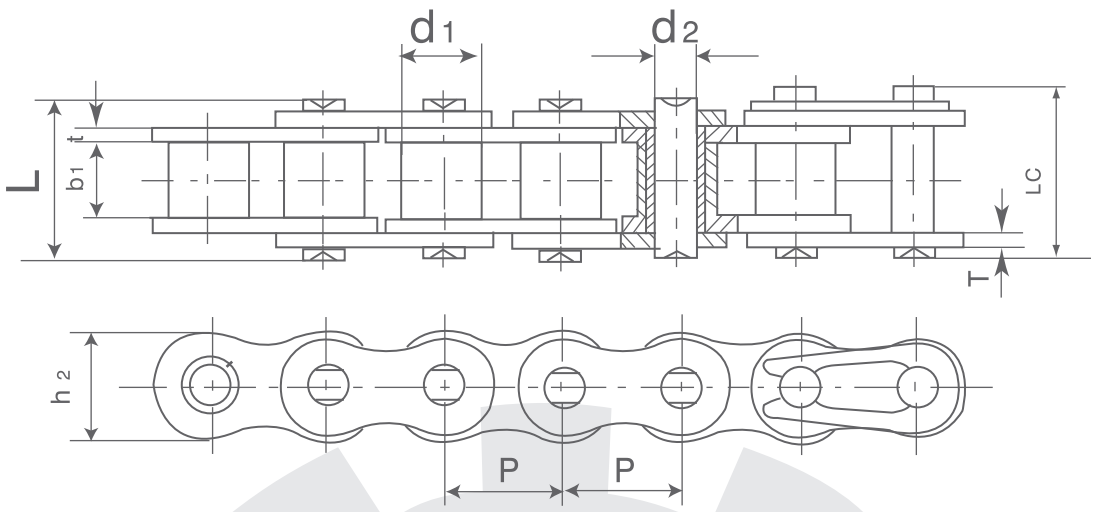

## Stainless Steel Chains

| Chain No. | Pitch | Roller Diameter | Width Between Inner Plates | Pin Diameter | Pin Length | | Inner Plate Depth | Plate Thickness | Ultimate Tensile Strength | Average Tensile Strength | Weight Per Meter |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | P | $d_1$ max | $b_1$ min | $d_2$ max | L max | Lc max | $h_2$ max | t/T max | Q min | $Q_0$ | q |
| | mm | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| *35SS | 9.525 | 5.08 | 4.77 | 3.58 | 12.4 | 13.17 | 9.0 | 1.3 | 5.5 | 6.6 | 0.33 |
| 40SS | 12.7 | 7.95 | 7.85 | 3.96 | 16.6 | 17.8 | 12.0 | 1.5 | 9.7 | 11.6 | 0.63 |
| 50SS | 15.875 | 10.16 | 9.40 | 5.08 | 20.7 | 22.2 | 15.09 | 2.03 | 15.3 | 18.5 | 1.03 |
| 60SS | 19.05 | 11.91 | 12.57 | 5.94 | 25.9 | 27.7 | 18.0 | 2.42 | 21.8 | 26.4 | 1.51 |
| 80SS | 25.4 | 15.88 | 15.75 | 7.92 | 32.7 | 35.0 | 24.0 | 3.25 | 38.9 | 46.6 | 2.62 |
| 100S | 31.75 | 19.05 | 18.90 | 9.53 | 40.4 | 44.7 | 30.0 | 4.0 | 59.0 | 70.2 | 3.94 |

*Bushing chain: $d_1$ in the table indicates the external diameter of the bushing.

# Sprockets - Chain

ANSI B29.1-86




## Nickle-Plated Chains

| Chain No. | Pitch | Roller Diameter | Width Between Inner Plates | Pin Diameter | Pin Length | | Inner Plate Depth | Plate Thickness | Ultimate Tensile Strength | Average Tensile Strength | Weight Per Meter |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | P | $d_1$ max | $b_1$ min | $d_2$ max | L max | Lc max | $h_2$ max | t/T max | Q min | $Q_0$ | q |
| | mm | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| *25NP | 6.35 | 3.30 | 3.18 | 2.31 | 7.9 | 8.4 | 6.0 | 0.8 | 3.5 | 4.4 | 0.15 |
| *35NP | 9.525 | 5.08 | 4.77 | 3.58 | 12.4 | 13.17 | 9.0 | 1.3 | 7.9 | 9.8 | 0.33 |
| 41NP | 12.7 | 7.77 | 6.25 | 3.58 | 12.4 | 13.17 | 9.0 | 1.3 | 7.9 | 9.8 | 0.33 |
| 40NP | 12.7 | 7.95 | 7.85 | 3.96 | 16.6 | 17.8 | 12.0 | 1.5 | 14.1 | 17.0 | 0.62 |
| 50NP | 15.875 | 10.16 | 9.40 | 5.08 | 20.7 | 22.2 | 15.09 | 2.03 | 22.2 | 26.4 | 1.02 |
| 60NP | 19.05 | 11.91 | 12.57 | 5.94 | 25.9 | 27.7 | 18.0 | 2.42 | 31.8 | 38.8 | 1.50 |
| 80NP | 25.4 | 15.88 | 15.75 | 7.92 | 32.7 | 35.0 | 24.0 | 3.25 | 56.7 | 64.9 | 2.60 |
| 100NP | 31.75 | 19.05 | 18.90 | 9.53 | 40.4 | 44.7 | 30.0 | 4.0 | 88.5 | 101.8 | 3.91 |

## Zinc-Plated Chains

| Chain No. | Pitch | Roller Diameter | Width Between Inner Plates | Pin Diameter | Pin Length | | Inner Plate Depth | Plate Thickness | Ultimate Tensile Strength | Average Tensile Strength | Weight Per Meter |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | P | $d_1$ max | $b_1$ min | $d_2$ max | L max | Lc max | $h_2$ max | t/T max | Q min | $Q_0$ | q |
| | mm | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| *25ZP | 6.35 | 3.30 | 3.18 | 2.31 | 7.9 | 8.4 | 6.0 | 0.8 | 3.5 | 4.4 | 0.15 |
| *35ZP | 9.525 | 5.08 | 4.77 | 3.58 | 12.4 | 13.17 | 9.0 | 1.3 | 7.9 | 9.8 | 0.33 |
| 41ZP | 12.7 | 7.77 | 6.25 | 3.58 | 12.4 | 13.17 | 9.0 | 1.3 | 7.9 | 9.8 | 0.33 |
| 40ZP | 12.7 | 7.95 | 7.85 | 3.96 | 16.6 | 17.8 | 12.0 | 1.5 | 14.1 | 17.0 | 0.62 |
| 50ZP | 15.875 | 10.16 | 9.40 | 5.08 | 20.7 | 22.2 | 15.09 | 2.03 | 22.2 | 26.4 | 1.02 |
| 60ZP | 19.05 | 11.91 | 12.57 | 5.94 | 25.9 | 27.7 | 18.0 | 2.42 | 31.8 | 38.8 | 1.50 |
| 80ZP | 25.4 | 15.88 | 15.75 | 7.92 | 32.7 | 35.0 | 24.0 | 3.25 | 56.7 | 64.9 | 2.60 |
| 100ZP | 31.75 | 19.05 | 18.90 | 9.53 | 40.4 | 44.7 | 30.0 | 4.0 | 88.5 | 101.8 | 3.91 |

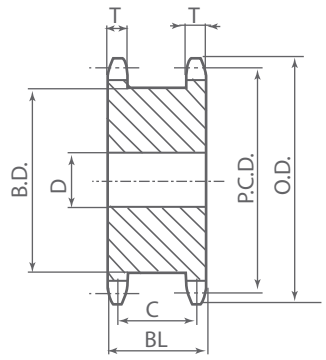
*Bushing chain: $d_1$ in the table indicate the external diameter of the bushing.
Note: Double strand zinc plated chains are available in all sizes except 41 chain.
Double pitch zinc plated conveyor chains are available upon request.

New Standard Power Transmission

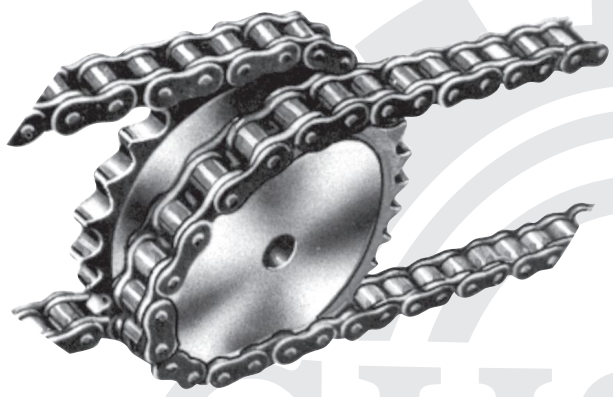
# Double Single Sprockets

Standard Bore

NSPT Standard Type A Double Single Sprockets are designed to be used with two single strand chains. The sprockets are made of carbon steel (SAE 1040) and hardened teeth. The maximum bore diameters shown below are based on general operating conditions using standard keys and key tapping procedure. Actual bore diameter should be determined using common machine design considerations. Key surface pressure should be checked on the same basis.




ISO/R 606 ANSI B 29.1



## DS60-SB FOR 3/4" PITCH

| Z | O.D | P.C.D | C | D | BD | BL |
|---|---|---|---|---|---|---|
| 12 | 3.25 | 2.898 | 1.479 | 0.75 | 2.008 | 1.938 |
| 13 | 3.49 | 3.134 | | 0.75 | 2.344 | |
| 14 | 3.74 | 3.371 | | 0.75 | 2.563 | |
| 15 | 3.98 | 3.607 | | 0.75 | 2.875 | |
| 16 | 4.22 | 3.844 | | 0.75 | 3.047 | |
| 17 | 4.46 | 4.082 | | 0.75 | 3.25 | |
| 18 | 4.70 | 4.319 | | 0.75 | 3.5 | |
| 19 | 4.95 | 4.557 | | 0.75 | 3.701 | |
| 20 | 5.19 | 4.794 | | 0.75 | 3.953 | |
| 21 | 5.43 | 5.032 | | 0.75 | 4.188 | |

## DS40-SB FOR 1/2" PITCH

| Z | O.D | P.C.D | C | D | BD | BL |
|---|---|---|---|---|---|---|
| 12 | 2.17 | 1.932 | 1.122 | 0.43 | 1.339 | 1.406 |
| 13 | 2.33 | 2.089 | | 0.55 | 1.496 | |
| 14 | 2.49 | 2.247 | | 0.55 | 1.654 | |
| 15 | 2.65 | 2.405 | | 0.5 | 1.811 | |
| 16 | 2.81 | 2.563 | | 0.5 | 2 | |
| 17 | 2.98 | 2.721 | | 0.5 | 2.126 | |
| 18 | 3.14 | 2.879 | | 0.5 | 2.313 | |
| 19 | 3.30 | 3.038 | | 0.625 | 2.5 | |
| 20 | 3.46 | 3.196 | | 0.625 | 2.625 | |
| 21 | 3.62 | 3.355 | | 0.625 | 2.781 | |

## DS80-SB FOR 1" PITCH

| Z | O.D | P.C.D | C | D | BD | BL |
|---|---|---|---|---|---|---|
| 12 | 4.33 | 3.864 | 1.613 | 1 | 2.716 | 2.188 |
| 13 | 4.66 | 4.178 | | 1 | 3.016 | |
| 14 | 4.98 | 4.494 | | 1 | 3.346 | |
| 15 | 5.3 | 4.810 | | 1 | 3.813 | |
| 16 | 5.63 | 5.126 | | 1 | 4 | |
| 17 | 5.95 | 5.442 | | 1 | 4.313 | |
| 18 | 6.27 | 5.759 | | 1 | 4.641 | |
| 19 | 6.59 | 6.076 | | 1 | 4.953 | |
| 20 | 6.91 | 6.392 | | 1 | 5.281 | |
| 21 | 7.24 | 6.710 | | 1 | 5.594 | |

## DS50-SB FOR 5/8" PITCH

| Z | O.D | P.C.D | C | D | BD | BL |
|---|---|---|---|---|---|---|
| 12 | 2.72 | 2.415 | 1.313 | 0.59 | 1.339 | 1.656 |
| 13 | 2.91 | 2.612 | | 0.59 | 1.496 | |
| 14 | 3.11 | 2.809 | | 0.59 | 1.654 | |
| 15 | 3.32 | 3.006 | | 0.625 | 1.811 | |
| 16 | 3.52 | 3.204 | | 0.625 | 2 | |
| 17 | 3.72 | 3.401 | | 0.625 | 2.126 | |
| 18 | 3.92 | 3.599 | | 0.625 | 2.313 | |
| 19 | 4.12 | 3.797 | | 0.625 | 2.5 | |
| 20 | 4.32 | 3.995 | | 0.625 | 2.625 | |
| 21 | 4.52 | 4.194 | | 0.625 | 2.781 | |

## DS100-SB FOR 1 1/4" PITCH

| Z | O.D | P.C.D | C | D | BD | BL |
|---|---|---|---|---|---|---|
| 12 | 5.42 | 4.830 | 1.995 | 0.87 | 3.386 | 2.688 |
| 13 | 5.82 | 5.223 | | 1 | 3.780 | |
| 14 | 6.23 | 5.618 | | 1 1/4 | 4.188 | |
| 15 | 6.63 | 6.012 | | 1 1/4 | 4.594 | |
| 16 | 7.03 | 6.407 | | 1 1/4 | 4.5 | |
| 17 | 7.44 | 6.803 | | 1 1/4 | 4.906 | |
| 18 | 7.84 | 7.199 | | 1 1/4 | 5.281 | |
| 19 | 8.24 | 7.594 | | 1 1/4 | 6.203 | |
| 20 | 8.64 | 7.990 | | 1 1/4 | 6.609 | |
| 21 | 9.04 | 8.387 | | 1 1/4 | 7 | |

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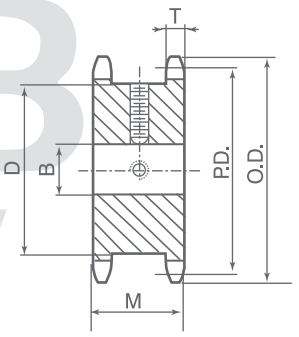
# Double Single Sprockets

| No. Teeth | Catalog No. | Diameters | | | Bore"B" | | Dimensions | | wt. Lbs. |
|---|---|---|---|---|---|---|---|---|---|
| | | O.D | P.D | D | Stock | +Max. | M | T | |
| **DS40-FB** | **FOR 1/2" PITCH** | | | | | | | | |
| 14 | DS40A14 | 2.49 | 2.247 | 1 21/32 | 5/8 | 7/8 | 1 13/32 | 0.284 | 1.0 |
| 15 | DS40A15 | 2.65 | 2.405 | 1 13/16 | 5/8 | 1 | 1 13/32 | 0.284 | 1.2 |
| 16 | DS40A16 | 2.81 | 2.563 | 1 31/32 | 5/8 | 1 3/16 | 1 13/32 | 0.284 | 1.4 |
| 17 | DS40A17 | 2.96 | 2.721 | 2 9/64 | 5/8 | 1 5/16 | 1 13/32 | 0.284 | 1.8 |
| 18 | DS40A18 | 3.14 | 2.879 | 2 5/16 | 5/8 | 1 7/16 | 1 13/32 | 0.284 | 1.9 |
| 19 | DS40A19 | 3.28 | 3.038 | 2 15/32 | 5/8 | 1 5/8 | 1 13/32 | 0.284 | 2.3 |
| 20 | DS40A20 | 3.46 | 3.196 | 2 5/8 | 5/8 | 1 3/4 | 1 13/32 | 0.284 | 2.5 |
| 21 | DS40A21 | 3.62 | 3.355 | 2 25/32 | 5/8 | 1 3/4 | 1 13/32 | 0.284 | 2.8 |
| 22 | DS40A22 | 3.78 | 3.513 | 2 15/16 | 5/8 | 1 3/4 | 1 13/32 | 0.284 | 3.0 |
| 23 | DS40A23 | 3.94 | 3.672 | 3 3/32 | 5/8 | 1 3/4 | 1 13/32 | 0.284 | 3.4 |
| 24 | DS40A24 | 4.10 | 3.831 | 3 17/64 | 5/8 | 1 3/4 | 1 13/32 | 0.284 | 3.7 |
| 25 | DS40A25 | 4.26 | 3.989 | 3 7/16 | 5/8 | 1 7/8 | 1 13/32 | 0.284 | 4.1 |
| **DS50-FB** | **FOR 5/8" PITCH** | | | | | | | | |
| 15 | DS50A15 | 3.32 | 3.006 | 2 9/32 | 3/4 | 1 3/8 | 1 21/32 | 0.343 | 2.3 |
| 16 | DS50A16 | 3.52 | 3.204 | 2 1/2 | 3/4 | 1 5/8 | 1 21/32 | 0.343 | 2.7 |
| 17 | DS50A17 | 3.72 | 3.401 | 2 11/16 | 3/4 | 1 3/4 | 1 21/32 | 0.343 | 3.0 |
| 18 | DS50A18 | 3.92 | 3.599 | 2 57/64 | 3/4 | 1 3/4 | 1 21/32 | 0.343 | 3.6 |
| 19 | DS50A19 | 4.12 | 3.797 | 3 5/32 | 3/4 | 1 3/4 | 1 21/32 | 0.343 | 4.0 |
| 20 | DS50A20 | 4.32 | 3.995 | 3 9/32 | 3/4 | 1 3/4 | 1 21/32 | 0.343 | 4.6 |
| 21 | DS50A21 | 4.52 | 4.194 | 3 1/2 | 3/4 | 2 | 1 21/32 | 0.343 | 5.0 |
| 22 | DS50A22 | 4.72 | 4.392 | 3 11/16 | 3/4 | 2 1/8 | 1 21/32 | 0.343 | 5.7 |
| 23 | DS50A23 | 4.92 | 4.590 | 3 57/64 | 3/4 | 2 3/4 | 1 21/32 | 0.343 | 6.3 |
| 24 | DS50A24 | 5.12 | 4.788 | 4 3/32 | 3/4 | 2 7/16 | 1 21/32 | 0.343 | 6.9 |
| **DS60-FB** | **FOR 3/4" PITCH** | | | | | | | | |
| 13 | DS60A13 | 3.49 | 3.134 | 2 1/4 | 1 | 1 3/8 | 1 15/16 | 0.459 | 2.7 |
| 14 | DS60A14 | 3.74 | 3.371 | 2 1/2 | 1 | 2 | 1 15/16 | 0.459 | 3.3 |
| 15 | DS60A15 | 3.98 | 3.607 | 2 3/4 | 1 | 1 3/4 | 1 15/16 | 0.459 | 4.0 |
| 16 | DS60A16 | 4.22 | 3.844 | 2 63/64 | 1 | 1 3/4 | 1 15/16 | 0.459 | 4.6 |
| 17 | DS60A17 | 4.46 | 4.082 | 3 1/4 | 1 | 1 3/4 | 1 15/16 | 0.459 | 5.6 |
| 18 | DS60A18 | 4.70 | 4.319 | 3 15/32 | 1 | 2 1/8 | 1 15/16 | 0.459 | 6.1 |
| 19 | DS60A19 | 4.95 | 4.557 | 3 23/32 | 1 | 2 3/16 | 1 15/16 | 0.459 | 7.4 |
| 20 | DS60A20 | 5.19 | 4.794 | 3 31/32 | 1 | 2 9/16 | 1 15/16 | 0.459 | 7.9 |
| 21 | DS60A21 | 5.43 | 5.032 | 4 13/64 | 1 | 2 1/4 | 1 15/16 | 0.459 | 8.5 |
| 22 | DS60A22 | 5.67 | 5.270 | 4 7/16 | 1 | 2 3/4 | 1 15/16 | 0.459 | 9.8 |
| 23 | DS60A23 | 5.91 | 5.508 | 4 11/16 | 1 | 2 3/4 | 1 15/16 | 0.459 | 10.8 |
| 24 | DS60A24 | 6.15 | 5.746 | 4 59/64 | 1 | 2 15/16 | 1 15/16 | 0.459 | 11.9 |
| **DS80-FB** | **FOR 1" PITCH** | | | | | | | | |
| 13 | DS80A13 | 4.66 | 4.179 | 3 1/32 | 1 | 1 3/4 | 2 3/16 | 0.575 | 6.1 |
| 14 | DS80A14 | 4.98 | 4.494 | 3 11/32 | 1 | 1 13/16 | 2 3/16 | 0.575 | 7.3 |
| 15 | DS80A15 | 5.30 | 4.810 | 3 21/32 | 1 | 2 1/8 | 2 3/16 | 0.575 | 8.6 |
| 16 | DS80A16 | 5.63 | 5.126 | 4 | 1 | 2 3/8 | 2 3/16 | 0.575 | 10.0 |
| 17 | DS80A17 | 5.95 | 5.442 | 4 21/64 | 1 | 2 11/16 | 2 3/16 | 0.575 | 12.0 |
| 18 | DS80A18 | 6.27 | 5.759 | 4 41/64 | 1 | 2 3/4 | 2 3/16 | 0.575 | 13.0 |
| 19 | DS80A19 | 6.59 | 6.076 | 4 31/32 | 1 | 2 15/16 | 2 3/16 | 0.575 | 15.4 |
| 20 | DS80A20 | 6.91 | 6.392 | 5 9/32 | 1 | 3 1/4 | 2 3/16 | 0.575 | 16.5 |
| 21 | DS80A21 | 7.24 | 6.710 | 5 39/64 | 1 | 3 11/16 | 2 3/16 | 0.575 | 18.8 |
| 22 | DS80A22 | 7.56 | 7.027 | 5 15/16 | 1 | 3 7/8 | 2 3/16 | 0.575 | 20.4 |
| 23 | DS80A23 | 7.88 | 7.344 | 6 1/4 | 1 | 4 1/8 | 2 3/16 | 0.575 | 22.4 |
| **DS100-FB** | **FOR 1 1/4" PITCH** | | | | | | | | |
| 13 | DS100A13 | 5.82 | 5.223 | 3 25/32 | 1 | 2 3/4 | 2 11/16 | 0.692 | 11.9 |
| 14 | DS100A14 | 6.23 | 5.617 | 4 3/16 | 1 | 2 1/2 | 2 11/16 | 0.629 | 14.2 |
| 15 | DS100A15 | 6.63 | 6.012 | 4 19/32 | 1 | 2 3/4 | 2 11/16 | 0.629 | 16.6 |
| 16 | DS100A16 | 7.03 | 6.407 | 5 | 1 | 3 | 2 11/16 | 0.692 | 19.3 |
| 17 | DS100A17 | 7.44 | 6.803 | 5 15/32 | 1 | 3 5/16 | 2 11/16 | 0.692 | 22.1 |
| 18 | DS100A18 | 7.84 | 7.198 | 5 13/16 | 1 | 3 11/16 | 2 11/16 | 0.692 | 25.1 |
| 19 | DS100A19 | 8.24 | 7.595 | 6 7/32 | 1 | 4 | 2 11/16 | 0.692 | 28.4 |
| 20 | DS100A20 | 8.64 | 7.991 | 6 19/32 | 1 | 4 7/16 | 2 11/16 | 0.692 | 31.6 |
| 21 | DS100A21 | 9.04 | 8.387 | 7 | 1 | 4 1/2 | 2 11/16 | 0.692 | 35.0 |

FB Finished Bore




DS Type A

Type "A" Double Single sprockets are for use with two single strand chains; (normally one drive chain and one driven chain as on roll case drives or live roller conveyor drives.)

Maximum bores shown will accommodate standard keyway and set screw over keyway. Slightly large bores are possible with no keyway. Shallow keyway or set screws at angle to keyway.

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# Double Single Sprockets BTL

Taper Bore

## DS40-BTL FOR 1/2" PITCH

| Z | O.D | E | BUSHING TYPE | BUSHING Max Bore | L1 | C | W | wt with BUSH |
|---|---|---|---|---|---|---|---|---|
| 19 | 3.300 | 2 1/2 | 1215 | 1 1/4 | 1 13/32 | 1 1/8 | 0.284 | 1.1 |
| 20 | 3.460 | 2 5/8 | 1215 | 1 1/4 | 1 13/32 | 1 1/8 | 0.284 | 1.3 |
| 21 | 3.620 | 2 25/32 | 1615 | 1 5/8 | 1 13/32 | 1 1/8 | 0.284 | 1.3 |
| 22 | 3.780 | 2 15/16 | 1615 | 1 5/8 | 1 13/32 | 1 1/8 | 0.284 | 1.4 |
| 23 | 3.940 | 3 3/32 | 1615 | 1 5/8 | 1 13/32 | 1 1/8 | 0.284 | 1.5 |
| 24 | 4.100 | 3 17/64 | 1615 | 1 5/8 | 1 13/32 | 1 1/8 | 0.284 | 1.7 |

## DS50-BTL FOR 5/8" PITCH

| Z | O.D | E | BUSHING TYPE | BUSHING Max Bore | L1 | C | W | wt with BUSH |
|---|---|---|---|---|---|---|---|---|
| 17 | 3.720 | 2 11/16 | 1615 | 1 5/8 | 121/32 | 1 5/16 | 0.343 | 1.8 |
| 18 | 3.920 | 2 57/64 | 1615 | 1 5/8 | 121/32 | 1 5/16 | 0.343 | 2.2 |
| 19 | 4.120 | 3 5/64 | 1615 | 1 5/8 | 121/32 | 1 5/16 | 0.343 | 2.7 |
| 21 | 4.520 | 3 15/16 | 2012 | 2 | 121/32 | 1 5/16 | 0.343 | 3.3 |
| 22 | 4.720 | 3 11/16 | 2012 | 2 | 121/32 | 1 5/16 | 0.343 | 3.5 |
| 23 | 4.920 | 3 57/64 | 2012 | 2 | 121/32 | 1 5/16 | 0.343 | 3.7 |
| 24 | 5.120 | 4 5/64 | 2012 | 2 | 121/32 | 1 5/16 | 0.343 | 4.1 |

## DS60-BTL FOR 3/4" PITCH

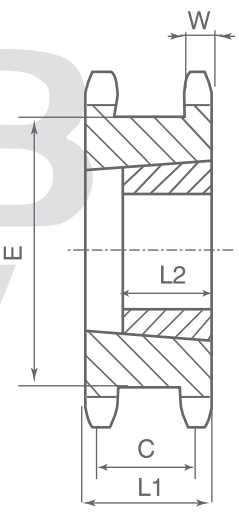
| Z | O.D | E | BUSHING TYPE | BUSHING Max Bore | L1 | C | W | wt with BUSH |
|---|---|---|---|---|---|---|---|---|
| 17 | 4.460 | 37/32 | 1615 | 1 5/8 | 115/16 | 131/64 | 0.459 | 4.5 |
| 18 | 4.700 | 315/32 | 2012 | 2 | 115/16 | 131/64 | 0.459 | 5.0 |
| 19 | 4.950 | 345/64 | 2012 | 2 | 115/16 | 131/64 | 0.459 | 5.8 |
| 20 | 5.190 | 361/64 | 2517 | 2 1/2 | 115/16 | 131/64 | 0.459 | 5.6 |
| 21 | 5.430 | 43/16 | 2517 | 2 1/2 | 115/16 | 131/64 | 0.459 | 6.4 |
| 23 | 5.910 | 443/64 | 2517 | 2 1/2 | 115/16 | 131/64 | 0.459 | 7.3 |
| 24 | 6.150 | 429/32 | 2517 | 2 1/2 | 115/16 | 131/64 | 0.459 | 8.2 |

## DS80-BTL FOR 1" PITCH

| Z | O.D | E | BUSHING TYPE | BUSHING Max Bore | L1 | C | W | wt with BUSH |
|---|---|---|---|---|---|---|---|---|
| 17 | 5.950 | 45/16 | 2517 | 2 1/2 | 2 3/16 | 1 5/8 | 0.575 | 7.6 |
| 18 | 6.270 | 43/4 | 2517 | 2 1/2 | 2 3/16 | 1 5/8 | 0.575 | 8.7 |
| 19 | 6.590 | 461/64 | 3020 | 3 | 2 3/16 | 1 5/8 | 0.575 | 9.7 |
| 20 | 6.910 | 59/32 | 3020 | 3 | 2 3/16 | 1 5/8 | 0.575 | 10. |
| 21 | 7.240 | 519/32 | 3020 | 3 | 2 3/16 | 1 5/8 | 0.575 | 12. |
| 22 | 7.560 | 515/16 | 3020 | 3 | 2 3/16 | 1 5/8 | 0.575 | 13. |
| 23 | 7.880 | 615/64 | 3020 | 3 | 2 3/16 | 1 5/8 | 0.575 | 14.5 |

## DS100-BTL FOR 1 1/4" PITCH

| Z | O.D | E | BUSHING TYPE | BUSHING Max Bore | L1 | C | W | wt with BUSH |
|---|---|---|---|---|---|---|---|---|
| 16 | 7.030 | 5 | 2517 | 2 1/2 | 2 11/16 | 2 | 0.692 | 13 |
| 17 | 7.440 | 5 13/32 | 3020 | 3 | 2 11/16 | 2 | 0.692 | 14 |
| 18 | 7.840 | 5 51/64 | 3020 | 3 | 2 11/16 | 2 | 0.692 | 16 |
| 19 | 8.240 | 6 13/64 | 3020 | 3 | 2 11/16 | 2 | 0.692 | 20 |
| 20 | 8.640 | 6 39/64 | 3020 | 3 | 2 11/16 | 2 | 0.692 | 24 |
| 21 | 9.040 | 7 | 3020 | 3 | 2 11/16 | 2 | 0.692 | 27.5 |




TYPE ATL

TAPER-LOCK

NSPT double-single sprockets are available for chain size No.40 thru 100. Teeth hardened and available as a modification to the reborable types.

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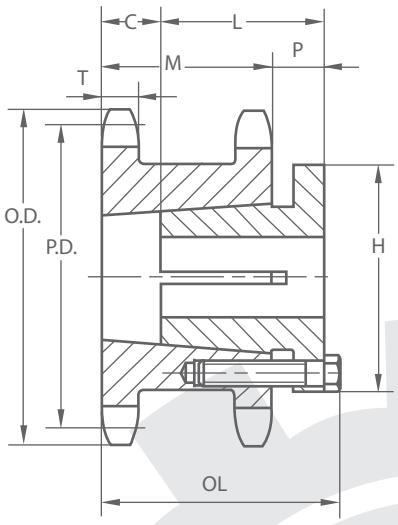
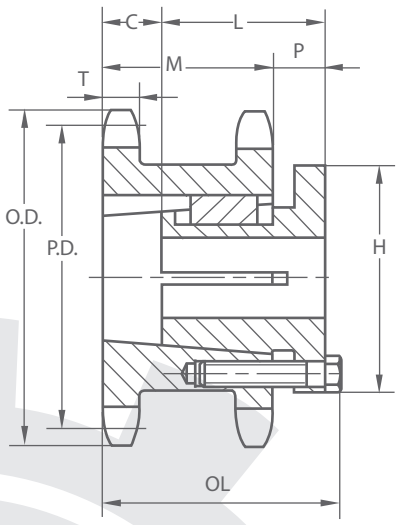
# Double Single Sprockets

STL

Taper Bore




TYPE DS-1




TYPE DS-2

| catalog NO. | Diameter | | BUSHING | TYPE | Dimensions | | | | | | | | wt Less Bushing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | O.D. | P.D. | | | T | M | OL | L | C | H | G | E | |
| **DS40-STL FOR 1-2" PITCH** | | | | | | | | | | | | | |
| DS40H19 | 3.28 | 3.038 | H | 1 | 0.284 | 1 13/32 | 2 1/32 | 1 1/4 | 19/32 | 2 1/2 | 7/16 | 3/16 | 1.5 |
| DS40H21 | 3.62 | 3.355 | H | 1 | 0.284 | 1 13/32 | 2 1/32 | 1 1/4 | 19/32 | 2 1/2 | 7/16 | 3/16 | 2.0 |
| DS40P23 | 3.94 | 3.672 | P1 | 2 | 0.284 | 1 13/32 | 2 9/32 | 1 15/16 | 3/32 | 3 | 5/8 | 1/4 | 2.3 |
| DS40P24 | 4.10 | 3.831 | P1 | 2 | 0.284 | 1 13/32 | 2 9/32 | 1 15/16 | 3/32 | 3 | 5/8 | 1/4 | 2.5 |
| **DS50-STL FOR 5/8" PITCH** | | | | | | | | | | | | | |
| DS50H17 | 3.72 | 3.401 | H | 1 | 0.343 | 1 21/32 | 2 9/32 | 1 1/4 | 27/32 | 2 1/2 | 7/16 | 3/16 | 2.3 |
| DS50P19 | 4.12 | 3.797 | P1 | 2 | 0.343 | 1 21/32 | 2 17/32 | 1 15/16 | 11/32 | 3 | 5/8 | 1/4 | 2.8 |
| DS50P21 | 4.52 | 4.194 | P1 | 2 | 0.343 | 1 21/32 | 2 17/32 | 1 15/16 | 11/32 | 3 | 5/8 | 1/4 | 3.8 |
| DS50P23 | 4.92 | 4.590 | P1 | 2 | 0343 | 1 21/32 | 2 17/32 | 1 15/16 | 11/32 | 3 | 5/8 | 1/4 | 4.6 |
| DS50P24 | 5.12 | 4.788 | P1 | 2 | 0.343 | 1 21/32 | 2 17/32 | 1 15/16 | 11/32 | 3 | 5/8 | 1/4 | 5.0 |
| **DS60-STL FOR 3/4" PITCH** | | | | | | | | | | | | | |
| DS60P17 | 4.46 | 4.082 | P1 | 2 | 0.459 | 1 61/64 | 2 63/64 | 1 15/16 | 41/64 | 3 | 5/8 | 1/4 | 3.9 |
| DS60P19 | 4.95 | 4.557 | P1 | 2 | 0.459 | 1 61/64 | 2 63/64 | 1 15/16 | 41/64 | 3 | 5/8 | 1/4 | 5.3 |
| DS60Q21 | 5.43 | 5.032 | Q1 | 2 | 0.459 | 1 61/64 | 2 63/64 | 2 1/2 | 13/64 | 4 1/8 | 3/4 | 9/32 | 5.4 |
| DS60Q22 | 5.67 | 5.270 | Q1 | 2 | 0.459 | 1 61/64 | 2 63/64 | 2 1/2 | 13/64 | 4 1/8 | 3/4 | 9/32 | 6.2 |
| DS60Q23 | 5.91 | 5.508 | Q1 | 2 | 0.459 | 1 61/64 | 2 63/64 | 2 1/2 | 13/64 | 4 1/8 | 3/4 | 9/32 | 6.9 |
| DS60Q24 | 6.15 | 5.746 | Q1 | 2 | 0.459 | 1 61/64 | 2 63/64 | 2 1/2 | 13/64 | 4 1/8 | 3/4 | 9/32 | 7.6 |
| **DS80-STL FOR 1" PITCH** | | | | | | | | | | | | | |
| DS80Q17 | 5.95 | 5.442 | Q1 | 2 | 0.575 | 2 13/64 | 3 15/64 | 2 1/2 | 29/64 | 4 1/8 | 3/4 | 9/32 | 7.2 |
| DS80Q19 | 6.59 | 6.076 | Q1 | 2 | 0.575 | 2 13/64 | 3 15/64 | 2 1/2 | 29/64 | 4 1/8 | 3/4 | 9/32 | 10.5 |
| DS80Q20 | 6.91 | 6.392 | Q1 | 2 | 0.575 | 2 13/64 | 3 15/64 | 2 1/2 | 29/64 | 4 1/8 | 3/4 | 9/32 | 12.2 |
| DS80R21 | 7.24 | 6.710 | R1 | 2 | 0.575 | 2 13/64 | 3 23/64 | 2 7/8 | 13/64 | 5 3/8 | 7/8 | 9/32 | 10.3 |
| DS80R23 | 7.88 | 7.344 | R1 | 2 | 0.575 | 2 13/64 | 3 23/64 | 2 7/8 | 13/64 | 5 3/8 | 7/8 | 9/32 | 13.2 |
| **DS100-STL FOR 1 1/4" PITCH** | | | | | | | | | | | | | |
| DS100R17 | 7.44 | 6.803 | R1 | 2 | 0.692 | 2 11/16 | 3 27/32 | 2 7/8 | 11/16 | 5 3/8 | 7/8 | 9/32 | 12.5 |
| DS100R19 | 8.24 | 7.595 | R1 | 2 | 0.692 | 2 11/16 | 3 27/32 | 2 7/8 | 11/16 | 5 3/8 | 7/8 | 9/32 | 18.8 |
| DS100R21 | 9.04 | 8.387 | R1 | 2 | 0.692 | 2 11/16 | 3 27/32 | 2 7/8 | 11/16 | 5 3/8 | 7/8 | 9/32 | 23.1 |

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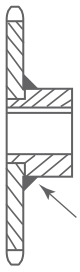
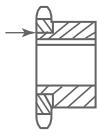
NSPT New Standard Power Transmission

# Weld-on Sprockets

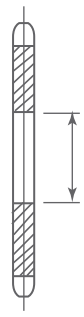
*ISO/R 606-ANSI B 29.1*



The larger sprockets are to be welded as shown.



The smaller sprockets are to be welded as shown as the weld will not interfere with the chain.



V SERES =1 1/8"
W SERES =1 5/8"
X SERES =2"
XX SERES =2"
Y SERES =2 3/4

We recommend to use Low Hydrogen Electrodes for welding sprocket parts.

| No. of Teeth | 35 | 41 | 40 | 50 | 60 | 80 | 100 | No. of Teeth |
|---|---|---|---|---|---|---|---|---|
| | PITCH 3/8" | PITCH 1/2" | PITCH 1/2" | PITCH 5/8" | PITCH 3/4" | PITCH 1" | PITCH 1 1/4" | |
| 9 | | | | | 60V09 | 80W09 | | 9 |
| 10 | | | | 50V10 | 60V10 | 80W10 | 100X10 | 10 |
| 11 | | | | 50V11 | 60W11 | 80W11 | 100X11 | 11 |
| 12 | | 41V12 | 40V12 | 50W12 | 60W12 | 80X12 | 100X12 | 12 |
| 13 | | 41V13 | 40V13 | 50W13 | 60W13 | 80X13 | 100X13 | 13 |
| 14 | | 41V14 | 40V14 | 50W14 | 60W14 | 80X14 | 100Y14 | 14 |
| 15 | 35V15 | 41V15 | 40V15 | 50W15 | 60X15 | 80X15 | 100Y15 | 15 |
| 16 | 35V16 | 41W16 | 40W16 | 50W16 | 60X16 | 80X16 | 100Y16 | 16 |
| 17 | 35V17 | 41W17 | 40W17 | 50X17 | 60X17 | 80X17 | 100Y17 | 17 |
| 18 | 35V18 | 41W18 | 40W18 | 50X18 | 60X18 | 80X18 | 100Y18 | 18 |
| 19 | 35V19 | 41W19 | 40W19 | 50X19 | 60X19 | 80X19 | 100Y19 | 19 |
| 20 | 35V20 | 41W20 | 40X20 | 50X20 | 60X20 | 80X20 | 100Y20 | 20 |
| 21 | 35V21 | 41W21 | 40X21 | 50X21 | 60X21 | 80X21 | 100Y21 | 21 |
| 22 | 35W22 | 41W22 | 40X22 | 50X22 | 60X22 | 80X22 | 100Y22 | 22 |
| 23 | 35W23 | 41W23 | 40X23 | 50X23 | 60X23 | 80X23 | 100Y23 | 23 |
| 24 | 35W24 | 41W24 | 40X24 | 50X24 | 60X24 | 80X24 | 100Y24 | 24 |
| 25 | 35W25 | 41W25 | 40X25 | 50X25 | 60X25 | 80X25 | 100Y25 | 25 |
| 26 | 35W26 | 41W26 | 40X26 | 50X26 | 60X26 | 80X26 | 100Y26 | 26 |
| 27 | 35W27 | 41W27 | 40X27 | 50X27 | 60X27 | 80X27 | | 27 |
| 28 | 35W28 | 41W28 | 40X28 | 50X28 | 60X28 | 80X28 | 100Y28 | 28 |
| 29 | 35W29 | 41W29 | 40X29 | 50X29 | 60X29 | 80X29 | | 29 |
| 30 | 35W30 | 41W30 | 40X30 | 50X30 | 60X30 | 80X30 | 100Y30 | 30 |
| 31 | 35W31 | 41W31 | 40X31 | 50X31 | 60X31 | | | 31 |
| 32 | 35W32 | 41W32 | 40X32 | 50X32 | 60X32 | 80X32 | 100Y32 | 32 |
| 33 | 35W33 | 41W33 | 40X33 | 50X33 | 60X33 | 80X33 | | 33 |
| 34 | 35W34 | 41W34 | 40X34 | 50X34 | 60X34 | 80X34 | | 34 |
| 35 | 35W35 | 41W35 | 40X35 | 50X35 | 60X35 | 80X35 | 100Y35 | 35 |
| 36 | 35W36 | 41W36 | 40X36 | 50X36 | 60X36 | 80X36 | 100Y36 | 36 |
| 37 | 35W37 | 41W37 | 40X37 | 50X37 | 60X37 | | | 37 |
| 38 | 35W38 | 41W38 | 40X38 | 50X38 | 60X38 | | | 38 |
| 39 | 35W39 | 41W39 | 40X39 | 50X39 | 60X39 | | | 39 |
| 40 | 35W40 | 41W40 | 40X40 | 50X40 | 60X40 | 80X40 | | 40 |
| 42 | 35W42 | 41W42 | 40X42 | 50X42 | 60X42 | | | 42 |
| 43 | 35W43 | 41W43 | 40X43 | 50X43 | 60X43 | | | 43 |
| 44 | 35W44 | 41W44 | 40X44 | 50X44 | 60X44 | | | 44 |
| 45 | 35W45 | 41W45 | 40X45 | 50X45 | 60X45 | 80X45 | | 45 |
| 48 | 35W48 | 41W48 | 40X48 | 50X48 | 60X48 | 80X48 | | 48 |
| 50 | 35W50 | 41W50 | 40X50 | 50X50 | 60X50 | | | 50 |
| 54 | 35W54 | 41W54 | 40X54 | 50X54 | 60X54 | | | 54 |
| 60 | 35W60 | 41W60 | 40X60 | 50X60 | 60X60 | 80X60 | | 60 |
| 70 | 35W70 | 41W70 | 40X70 | 50X70 | 60X70 | | | 70 |
| 72 | 35W72 | 41W72 | 40X72 | 50X72 | 60X72 | | | 72 |
| 80 | 35W80 | 41W80 | 40X80 | 50X80 | 60X80 | | | 80 |
| 84 | 35W84 | 41W84 | 40X84 | 50X84 | 60X84 | | | 84 |
| 96 | 35W96 | 41W96 | 40X96 | 50X96 | 60X96 | | | 96 |

※Sprockets for BS standard chain No.06B 20B are manufactured upon request.

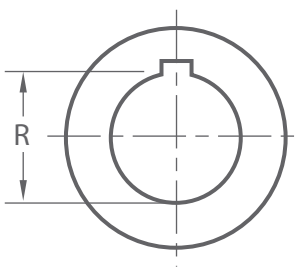
New Standard Power Transmission

# Weld-on Hubs

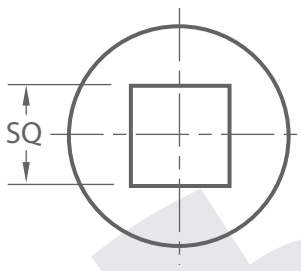
## Recommendation:

### Use Low Hydrogen Electrodes for Welding Sprocket Parts

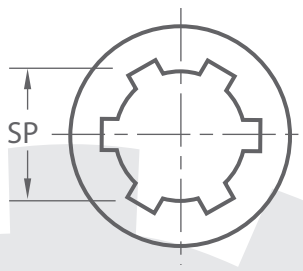
Choose a plate sprocket and a finished bore hub as needed. By welding, a B type finished bore sprocket will be made quickly and easily for emergency use. It's fast and economical. A few stock of plate sprockets and hubs can serve a variety of sprockets sizes: unique and convenient in repair and replacement.




ROUND BORE

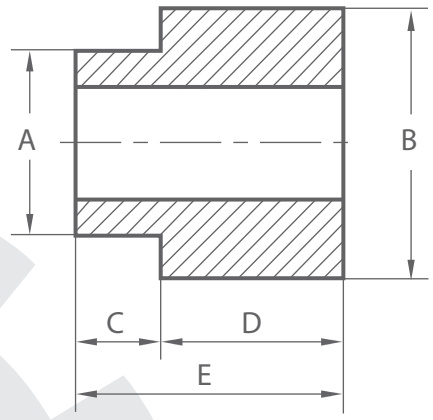



SQUARE BORE




SPLINE BORE

HUB DIMENSIONS




## WELD-ON FINISHED BORE SPROCKET HUBS

Dimensions:inch

| | V SERIES HUB To fit V type sprockets | W SERIES HUB To fit W type sprockets | | | X SERIES HUB To fit X type sprockets | | | XX SERIES HUB To fit XX type sprockets | | Y SERIES HUB To fit Y type sprockets | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 1/8" | 1 5/8" | | | 2" | | | 2" | | 2 3/4" | |
| B | 1 7/16" | 1 13/16" | | | 2 1/2" | | | 3" | | 3 3/4" | |
| C | 7/16" | 7/16" | | | 7/16" | | | 7/16" | | 11/16" | |
| D | 3/4" | 1" | | | 1" | | | 1 1/16" | | 1 3/16" | |
| E | 1 3/16" | 1 7/16" | | | 1 7/16" | | | 1 1/2" | | 1 7/8" | |
| Bore | ROUND BORE (R) | ROUND BORE (R) | SPLINE BORE (SP) | SQUARE BORE (SQ) | ROUND BORE (R) | SPLINE BORE (SP) | SQUARE BORE (SQ) | ROUND BORE (R) | SPLINE BORE (SP) | ROUND BORE (R) | SPLINE BORE (SP) |
| 1/2 | 1/2R | 1/2R | | | | | | | | | |
| 9/16 | 9/16R | 9/16R | | | | | | | | | |
| 5/8 | 5/8R | 5/8R | | | 5/8R | | | | | | |
| 11/16 | 11/16R | 11/16R | | | 11/16R | | | | | | |
| 3/4 | 3/4R | 3/4R | | 3/4SQ | 3/4R | | 3/4SQ | | | | |
| 13/16 | 13/16R | 13/16R | | | 13/16R | | | | | | |
| 7/8 | 7/8R | 7/8R | | 7/8SQ | 7/8R | | 7/8SQ | | | | |
| 15/16 | | 15/16R | | | 15/16R | | 15/16SQ | | | | |
| 1 | | 1 R | | 1 SQ | 1 R | | 1 SQ | 1 R | | 1 R | |
| 1 1/16 | | 1 1/16R | | | 1 1/16R | | | | | 1 1/16R | |
| 1 1/8 | | 1 1/8R | 1 1/8X6SP | | 1 1/8R | 1 1/8X6SP | 1 1/8SQ | 1 1/8R | 1 1/8X6SP | 1 1/8R | 1 1/8X6SP |
| 1 3/16 | | 1 3/16R | | | 1 3/16R | | | | | 1 3/16R | |
| 1 1/4 | | 1 1/4R | | | 1 1/4R | | 1 1/4SQ | 1 1/4R | | 1 1/4R | |
| 1 5/16 | | | | | 1 5/16R | | | 1 5/16R | | | |
| 1 3/8<br>1 3/8<br>1 3/8 | | | 1 3/8X6SP<br>1 3/8X10SP<br>1 3/8X21SP | | 1 3/8R | 1 3/8X6SP<br>1 3/8X10SP<br>1 3/8X21SP | | 1 3/8R | 1 3/8X6SP<br><br>1 3/8X21SP | 1 3/8R | 1 3/8X6SP<br><br>1 3/8X21SP |
| 1 7/16 | | | | | 1 7/16R | | | 1 7/16R | | 1 7/16R | |
| 1 1/2 | | | | | 1 1/2R | 1 1/2X10SP | | 1 1/2R | | 1 1/2R | |
| 1 5/8 | | | | | | | | 1 5/8R | | 1 5/8R | |
| 1 11/16 | | | | | | | | | | 1 11/16R | |
| 1 3/4 | | | | | | 1 3/4X10SP | | | 1 3/4X6SP | 1 3/4R | 1 3/4RX6SP |
| 1 7/8 | | | | | | | | | | 1 7/8R | |
| 1 15/16 | | | | | | | | | | 1 15/16R | |
| 2 | | | | | | | | | | 2R | |

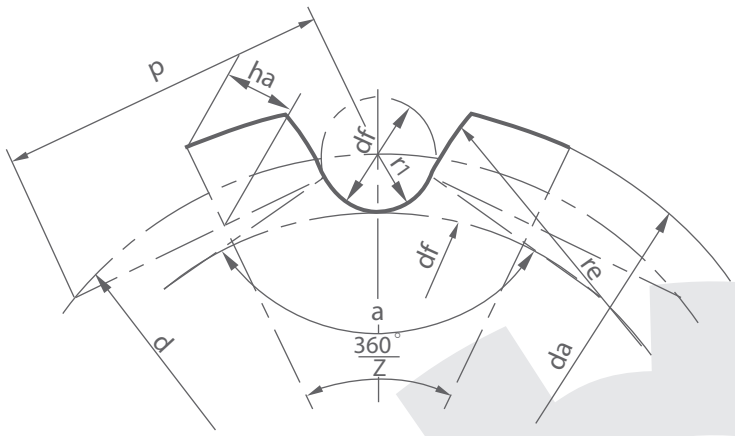
Special sizes will be consulted individually. Please contact NSPT.

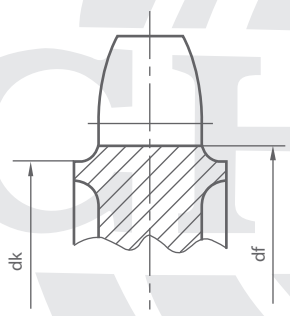
CAPT 凯普特传动

NSPT New Standard Power Transmission

# Double pitch roller chain Sprockets

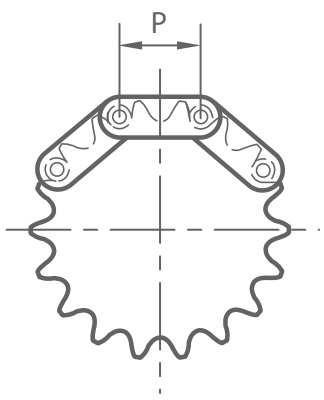
ANSI B29.3M-1994
ANSI B29.4M-1994



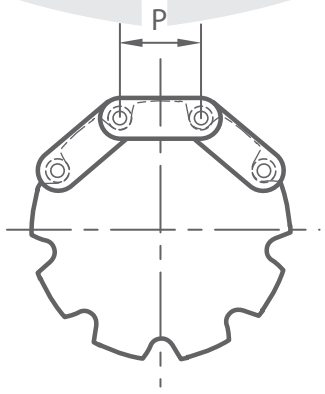




| code | formulas |
|---|---|
| d | $d=\frac{P}{\sin\frac{180^\circ}{Z}}=P\,K$ |
| $d_a$ | $d_{a(max)}=d+0.625P-d_1$<br>$d_{a(min)}=d+(0.5-\frac{0.4}{Z})P-d_1$ |
| $h_a$ | $h_{a(max)}=(0.3125+\frac{0.8}{Z})P-0.5d_1$<br>$h_{a(min)}=(0.25+\frac{0.6}{Z})P-0.5d$ |
| $d_f$ | $d_f=d-d_1$ |
| $d_g$ | $d_g\leqslant P\cdot ctg\frac{180^\circ}{Z}-1.04h_2-0.76$ |
| re | $re_{(min)}=0.003d_1(Z^2+180)$<br>$re_{(min)}=0.12d_1(Z+2)$ |
| ri | $ri_{(max)}=0.505d_1+\sqrt[3]{0.069\,d_1}$<br>$ri_{(min)}=0.505d_1$ |
| a | $a_{(max)}=140^\circ-\frac{90^\circ}{Z}$<br>$a_{(min)}=120^\circ-\frac{90^\circ}{Z}$ |

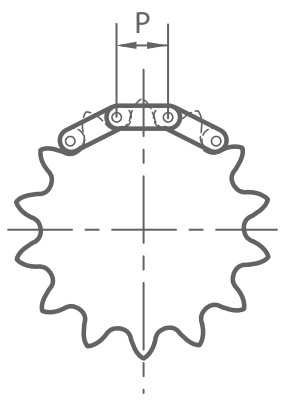
## Double Pitch Sprockets




Standard Rollers




Double Pitch
Single Duty
Made-To-Order




Carrier Rollers

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NSPT New Standard Power Transmission

# Double pitch roller chain Sprockets

ANSI B29.3M-85
ANSI B29.4M-86

## K Coefficient

| Z | K | Z | K | Z | K |
|---|---|---|---|---|---|
| 6 | 2.0000 | 30 | 9.5668 | 54 | 17.1884 |
| 6 1/2 | 2.1518 | 30 1/2 | 9.7256 | 54 1/2 | 17.3575 |
| 7 | 2.3048 | 31 | 9.8845 | 55 | 17.5166 |
| 7 1/2 | 2.4586 | 31 1/2 | 10.0434 | 55 1/2 | 17.6757 |
| 8 | 2.6131 | 32 | 10.2033 | 56 | 17.8347 |
| 8 1/2 | 2.7682 | 32 1/2 | 10.3612 | 56 1/2 | 17.9938 |
| 9 | 2.9238 | 23 | 10.5201 | 57 | 18.1529 |
| 9 1/2 | 3.0798 | 33 1/2 | 10.6790 | 57 1/2 | 18.3119 |
| 10 | 3.2361 | 34 | 10.8380 | 58 | 18.4710 |
| 10 1/2 | 3.3926 | 34 1/2 | 10.9969 | 58 1/2 | 18.6301 |
| 11 | 3.5495 | 35 | 11.1558 | 59 | 18.7892 |
| 11 1/2 | 3.7065 | 35 1/2 | 11.3148 | 59 1/2 | 18.9482 |
| 12 | 3.8637 | 36 | 11.4737 | 60 | 19.1073 |
| 12 1/2 | 4.0211 | 36 1/2 | 11.6327 | 60 1/2 | 19.2664 |
| 13 | 4.1786 | 37 | 11.7916 | 6 | 19.4255 |
| 13 1/2 | 4.3362 | 37 1/2 | 11.9506 | 61 1/2 | 19.5846 |
| 14 | 4.4940 | 38 | 12.1096 | 62 | 19.7437 |
| 14 1/2 | 4.6518 | 38 1/2 | 12.3685 | 62 1/2 | 19.9027 |
| 15 | 4.8097 | 39 | 12.4275 | 63 | 20.0618 |
| 15 1/2 | 4.9677 | 39 1/2 | 15.5865 | 6 | 20.2209 |
| 16 | 5.1258 | 40 | 12.7455 | 64 | 20.3800 |
| 16 1/2 | 5.2840 | 40 1/2 | 12.9045 | 64 1/2 | 20.5391 |
| 17 | 5.4422 | 41 | 13.0635 | 65 | 20.6983 |
| 17 1/2 | 5.6005 | 41 1/2 | 13.2225 | 65 1/2 | 20.8573 |
| 18 | 5.7588 | 42 | 13.3815 | 66 | 21.0164 |
| 18 1/2 | 5.9171 | 42 1/2 | 13.5405 | 66 1/2 | 21.1755 |
| 19 | 6.0755 | 43 | 13.6995 | 67 | 21.3346 |
| 19 1/2 | 6.2340 | 43 1/2 | 13.8585 | 67 1/2 | 21.4937 |
| 20 | 6.3925 | 44 | 14.0175 | 68 | 21.6528 |
| 20 1/2 | 6.5510 | 44 1/2 | 14.1765 | 68 1/2 | 21.8119 |
| 21 | 6.7095 | 45 | 14.3356 | 69 | 21.9710 |
| 21 1/2 | 6.8681 | 45 1/2 | 14.4946 | 69 1/2 | 22.1301 |
| 22 | 7.0267 | 46 | 14.6538 | 70 | 22.2892 |
| 22 1/2 | 7.1853 | 46 1/2 | 14.8127 | 70 1/2 | 22.4483 |
| 23 | 7.3439 | 47 | 14.9717 | 71 | 22.6074 |
| 23 1/2 | 7.5026 | 47 1/2 | 15.1307 | 71 1/2 | 22.7665 |
| 24 | 7.6613 | 48 | 15.2898 | 72 | 22.9256 |
| 24 1/2 | 7.8200 | 48 1/2 | 15.4488 | 72 1/2 | 23.0847 |
| 25 | 7.9787 | 49 | 15.6079 | 73 | 23.2437 |
| 25 1/2 | 8.1375 | 19 1/2 | 15.7669 | 73 1/2 | 23.4029 |
| 26 | 8.2962 | 50 | 15.9260 | 74 | 23.5621 |
| 26 1/2 | 8.4550 | 50 1/2 | 16.0850 | 74 1/2 | 23.7211 |
| 27 | 8.6133 | 51 | 16.2441 | 75 | 23.8802 |
| 27 1/2 | 8.7726 | 51 1/2 | 16.4031 | | |
| 28 | 8.9314 | 52 | 16.5622 | | |
| 28 1/2 | 9.0902 | 52 1/2 | 16.7212 | | |
| 29 | 9.2491 | 53 | 16.8803 | | |
| 29 1/2 | 9.4079 | 53 1/2 | 17.0394 | | |

r/min

| Z \ P | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" |
|---|---|---|---|---|---|---|
| 6 | 85 | 60 | 45 | 30 | 20 | 15 |
| 7 | 200 | 145 | 110 | 70 | 50 | 40 |
| 8 | 320 | 230 | 175 | 110 | 80 | 60 |
| 9 | 440 | 315 | 240 | 150 | 110 | 80 |
| 10 | 555 | 400 | 300 | 190 | 135 | 105 |
| 11 | 660 | 475 | 360 | 225 | 160 | 125 |
| 12 | 755 | 545 | 410 | 260 | 185 | 145 |
| 13 | 850 | 610 | 460 | 290 | 210 | 165 |
| 14 | 930 | 670 | 505 | 320 | 230 | 180 |
| 15 | 1000 | 720 | 540 | 345 | 245 | 195 |
| 16 | 1060 | 765 | 575 | 365 | 260 | 205 |
| 17 | 1115 | 805 | 605 | 385 | 270 | 215 |
| 18 | 1160 | 835 | 630 | 400 | 285 | 225 |
| 19 | 1200 | 865 | 650 | 415 | 295 | 230 |
| 20 | 1230 | 890 | 670 | 425 | 305 | 235 |
| 21 | 1260 | 910 | 685 | 435 | 310 | 240 |
| 22 | 1280 | 925 | 695 | 440 | 315 | 245 |
| 23 | 1300 | 935 | 705 | 445 | 320 | 250 |
| 24 | 1310 | 945 | 710 | 450 | 325 | 250 |
| 25 | 1320 | 950 | 715 | 450 | 330 | 255 |
| 30 | 1310 | 945 | 715 | 430 | 325 | 250 |
| 35 | 1255 | 905 | 680 | 400 | 310 | 240 |
| 40 | 1160 | 835 | 630 | 360 | 285 | 220 |
| 45 | 1040 | 750 | 565 | 315 | 255 | 200 |
| 50 | 910 | 655 | 495 | 265 | 225 | 175 |
| 55 | 770 | 555 | 415 | 210 | 185 | 145 |
| 60 | 615 | 445 | 335 | 200 | 150 | 120 |

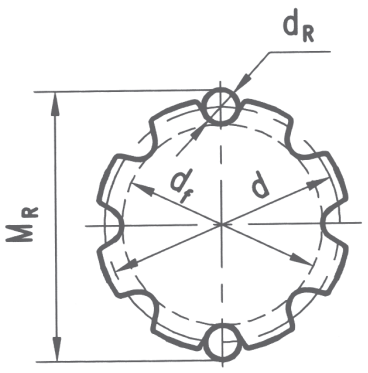
Even number of teeth

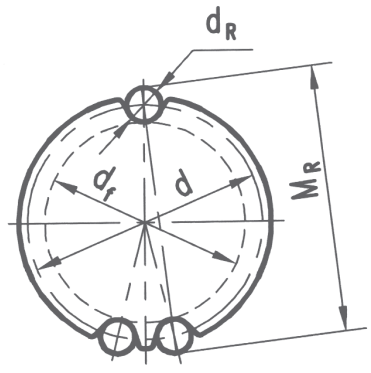
$M_R = d + d_{Rmin}$

odd number of teeth

$M_R = d \times \cos\frac{90^\circ}{Z} + d_{Rmin}$

even number of teeth



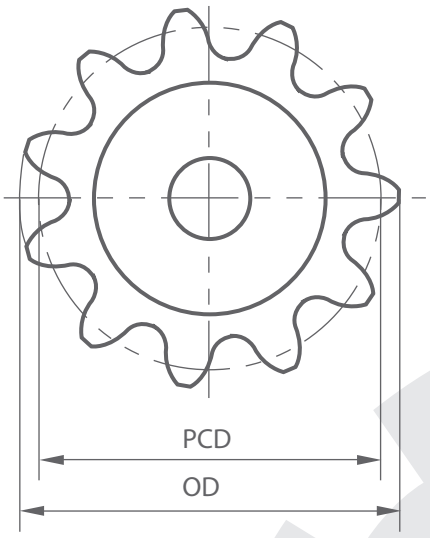

odd number of teeth

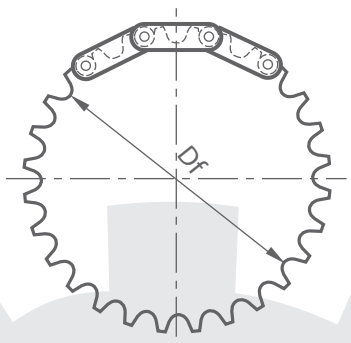
CAPT POWER TRANSMISSION 凯普特传动

NSPT New Standard Power Transmission

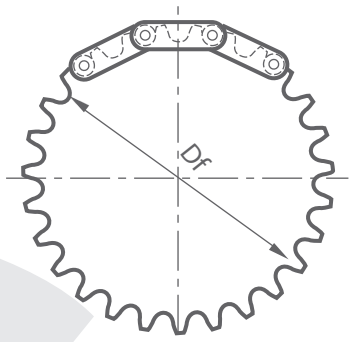
# Double Pitch Sprockets

Standard Bore




even number of teeth




odd number of teeth

## 2040/C2040 p=1" d=0.313" T=0.284"

| Z | O.D | P.C.D | BORE | | HUB | |
|---|---|---|---|---|---|---|
| | | | D | MAX | BD | BL |
| 11 | 2.000 | 1.852 | 1/2 | 13/16 | 1 3/8 | 7/8 |
| 12 | 2.170 | 2.000 | 1/2 | 13/16 | 1 9/16 | 7/8 |
| 13 | 2.330 | 2.152 | 1/2 | 21/32 | 1 9/16 | 7/8 |
| 14 | 2.490 | 2.305 | 1/2 | 1 1/32 | 1 11/16 | 7/8 |
| 15 | 2.650 | 2.458 | 5/8 | 1 7/32 | 1 23/32 | 7/8 |
| 16 | 2.810 | 2.613 | 5/8 | 1 9/32 | 1 7/8 | 7/8 |
| 17 | 2.980 | 2.768 | 5/8 | 1 5/16 | 2 3/64 | 1 |
| 18 | 3.140 | 2.924 | 5/8 | 1 15/32 | 2 7/32 | 1 |
| 19 | 3.300 | 3.080 | 5/8 | 1 5/8 | 2 3/8 | 1 |
| 20 | 3.460 | 3.236 | 5/8 | 1 3/4 | 2 35/64 | 1 |
| 21 | 3.620 | 3.392 | 5/8 | 1 25/32 | 2 45/64 | 1 |
| 22 | 3.780 | 3.549 | 5/8 | 1 7/8 | 2 7/8 | 1 |
| 23 | 3.940 | 3.706 | 5/8 | 2 | 3 | 1 |
| 24 | 4.100 | 3.864 | 5/8 | 2 1/4 | 3 1/4 | 1 |
| 25 | 4.260 | 4.021 | 5/8 | 2 1/4 | 3 1/4 | 1 |
| 26 | 4.420 | 4.179 | 5/8 | 2 1/4 | 3 1/4 | 1 |
| 28 | 4.740 | 4.494 | 5/8 | 2 1/4 | 3 1/4 | 1 |
| 30 | 5.060 | 4.810 | 5/8 | 2 1/4 | 3 1/4 | 1 |

## 2060/C2060 p=1 1/2 d=0.469" T=0.459"

| Z | O.D | P.C.D | BORE | | HUB | |
|---|---|---|---|---|---|---|
| | | | D | MAX | BD | BL |
| 11 | 3.000 | 2.773 | 3/4 | 1 | 2 1/16 | 1 1/4 |
| 12 | 3.250 | 3.000 | 3/4 | 1 1/4 | 2 3/8 | 1 1/4 |
| 13 | 3.490 | 3.228 | 3/4 | 1 5/16 | 2 5/64 | 1 1/4 |
| 14 | 3.740 | 3.457 | 3/4 | 1 9/16 | 2 21/64 | 1 1/4 |
| 15 | 3.980 | 3.688 | 3/4 | 1 3/4 | 2 19/32 | 1 1/4 |
| 16 | 4.220 | 3.920 | 3/4 | 1 27/32 | 2 27/32 | 1 1/4 |
| 17 | 4.460 | 4.152 | 3/4 | 2 3/32 | 3 3/32 | 1 1/4 |
| 18 | 4.700 | 4.386 | 3/4 | 2 9/32 | 3 11/32 | 1 1/4 |
| 19 | 4.940 | 4.620 | 3/4 | 2 11/32 | 3 1/2 | 1 1/4 |
| 20 | 5.190 | 4.854 | 3/4 | 2 9/16 | 3 7/8 | 1 1/4 |
| 21 | 5.430 | 5.089 | 3/4 | 2 3/4 | 4 | 1 1/4 |
| 22 | 5.670 | 5.324 | 3/4 | 2 3/4 | 4 | 1 1/4 |
| 23 | 5.910 | 5.560 | 3/4 | 2 3/4 | 4 | 1 1/4 |
| 24 | 6.150 | 5.796 | 3/4 | 2 3/4 | 4 | 1 1/4 |
| 25 | 6.390 | 6.032 | 3/4 | 2 3/4 | 4 | 1 1/4 |
| 26 | 6.630 | 6.268 | 3/4 | 2 3/4 | 4 | 1 1/4 |
| 28 | 7.110 | 6.741 | 3/4 | 2 3/4 | 4 | 1 1/4 |
| 30 | 7.590 | 7.215 | 3/4 | 2 3/4 | 4 | 1 1/4 |

## 2050/C2050 p=1 1/4 d=0.400" T=0.343"

| Z | O.D | P.C.D | BORE | | HUB | |
|---|---|---|---|---|---|---|
| | | | D | MAX | BD | BL |
| 11 | 2.500 | 2.315 | 5/8 | 13/16 | 1 3/4 | 1 |
| 12 | 2.710 | 2.500 | 5/8 | 1 | 1 63/64 | 1 |
| 13 | 2.910 | 2.690 | 5/8 | 1 7/32 | 1 23/32 | 1 |
| 14 | 3.110 | 2.881 | 5/8 | 1 9/32 | 1 15/16 | 1 |
| 15 | 3.320 | 3.073 | 5/8 | 1 13/32 | 2 5/32 | 1 |
| 16 | 3.520 | 3.266 | 5/8 | 1 19/32 | 2 23/64 | 1 |
| 17 | 3.720 | 3.460 | 5/8 | 1 3/4 | 2 9/16 | 1 |
| 18 | 3.920 | 3.655 | 5/8 | 1 25/32 | 2 25/32 | 1 |
| 19 | 4.120 | 3.850 | 5/8 | 1 31/32 | 2 63/64 | 1 |
| 20 | 4.320 | 4.045 | 3/4 | 2 | 3 | 1 |
| 21 | 4.520 | 4.241 | 3/4 | 2 | 3 | 1 |
| 22 | 4.720 | 4.437 | 3/4 | 2 | 3 | 1 |
| 23 | 4.920 | 4.633 | 3/4 | 2 | 3 | 1 |
| 24 | 5.120 | 4.830 | 3/4 | 2 | 3 | 1 1/4 |
| 25 | 5.320 | 5.026 | 3/4 | 2 | 3 | 1 1/4 |
| 26 | 5.520 | 5.223 | 3/4 | 2 | 3 | 1 1/4 |
| 28 | 5.920 | 5.617 | 3/4 | 2 | 3 | 1 1/4 |
| 30 | 6.320 | 6.012 | 3/4 | 2 1/4 | 3 1/4 | 1 1/4 |

## 2080/C2080 p=2" d=0.625" T=0.575"

| Z | O.D | P.C.D | BORE | | HUB | |
|---|---|---|---|---|---|---|
| | | | D | MAX | BD | BL |
| 11 | 4.010 | 3.694 | 1 | 1 1/2 | 2 13/16 | 1 5/8 |
| 12 | 4.330 | 4.000 | 1 | 1 11/16 | 3 1/8 | 1 5/8 |
| 13 | 4.660 | 4.304 | 1 | 1 25/32 | 2 25/32 | 1 1/2 |
| 14 | 4.980 | 4.610 | 1 | 2 1/8 | 3 1/8 | 1 1/2 |
| 15 | 5.300 | 4.917 | 1 | 2 9/32 | 3 29/64 | 1 1/2 |
| 16 | 5.630 | 5.226 | 1 | 2 17/32 | 3 51/64 | 1 1/2 |
| 17 | 5.950 | 5.536 | 1 | 2 3/4 | 4 | 1 1/2 |
| 18 | 6.270 | 5.848 | 1 | 2 3/4 | 4 1/4 | 1 1/2 |
| 19 | 6.590 | 6.160 | 1 | 2 3/4 | 4 1/4 | 1 1/2 |
| 20 | 6.910 | 6.472 | 1 | 2 3/4 | 4 1/4 | 1 1/2 |
| 21 | 7.230 | 6.785 | 1 | 2 3/4 | 4 1/4 | 1 3/4 |
| 22 | 7.560 | 7.099 | 1 | 2 3/4 | 4 1/4 | 1 3/4 |
| 23 | 7.880 | 7.413 | 1 | 2 3/4 | 4 1/4 | 1 3/4 |
| 24 | 8.200 | 7.727 | 1 | 2 3/4 | 4 1/4 | 1 3/4 |
| 25 | 8.520 | 8.042 | 1 | 2 3/4 | 4 1/4 | 1 3/4 |
| 26 | 8.840 | 8.357 | 1 1/4 | 3 1/4 | 4 3/4 | 2 |
| 28 | 9.480 | 8.988 | 1 3/16 | 3 1/4 | 4 3/4 | 2 |
| 30 | 10.110 | 9.620 | 1 3/16 | 3 1/4 | 4 3/4 | 2 |

CAPT POWER TRANSMISSION 凯普特传动

NSPT New Standard Power Transmission

# Double Pitch Sprockets BTL

## 2040/C2040-BTL FOR 1" PITCH

d=0.313" b1=0.284"

| NO. Teeth | Effective No.of Teeth | Catalog No. | O.D | BUSH | Bore MAX. | dm2 | LTB | WT With Bushing |
|---|---|---|---|---|---|---|---|---|
| 17 | 8 1/2 | 2040TB17 | 2.970 | 1008 | 1 | 2 | 7/8 | 1.0 |
| 19 | 9 1/2 | 2040TB19 | 3.300 | 1210 | 1 1/4 | 2 15/32 | 1 | 1.4 |
| 21 | 10 1/2 | 2040TB21 | 3.620 | 1610 | 1 5/8 | 2 25/32 | 1 | 1.7 |
| 23 | 11 1/2 | 2040TB23 | 3.940 | 1610 | 1 5/8 | 3 | 1 | 1.8 |
| 25 | 12 1/2 | 2040TB25 | 4.260 | 1610 | 1 5/8 | 3 1/4 | 1 | 2.1 |
| 31 | 15 1/2 | 2040TB31 | 5.210 | 1610 | 1 5/8 | 3 1/4 | 1 | 3.0 |
| 35 | 17 1/2 | 2040TB35 | 5.860 | 1610 | 1 5/8 | 3 1/4 | 1 | 3.4 |

## 2050/C2050-BTL FOR 1 1/4" PITCH

d=0.400" b1=0.343"

| NO. Teeth | Effective No.of Teeth | Catalog No. | O.D | BUSH | Bore MAX. | dm2 | LTB | WT With Bushing |
|---|---|---|---|---|---|---|---|---|
| 17 | 8 1/2 | 2050TB17 | 3.720 | 1210 | 1 1/4 | 2 25/32 | 1 | 1.30 |
| 18 | 9 | 2050TB18 | 3.920 | 1210 | 1 1/4 | 2 25/32 | 1 | 1.50 |
| 19 | 9 1/2 | 2050TB19 | 4.120 | 1610 | 1 5/8 | 2 15/16 | 1 | 2.10 |
| 20 | 10 | 2050TB20 | 4.320 | 1610 | 1 5/8 | 3 | 1 | 2.10 |
| 21 | 10 1/2 | 2050TB21 | 4.520 | 1610 | 1 5/8 | 3 | 1 | 2.20 |
| 23 | 11 1/2 | 2050TB23 | 4.920 | 2012 | 2 | 3 7/8 | 1 1/4 | 3.30 |
| 25 | 12 1/2 | 2050TB25 | 5.320 | 2012 | 2 | 3 7/8 | 1 1/4 | 3.80 |
| 35 | 17 1/2 | 2050TB35 | 7.320 | 2012 | 2 | 3 7/8 | 1 1/4 | 5.60 |

## 2060/C2060-BTL FOR 1 1/2" PITCH

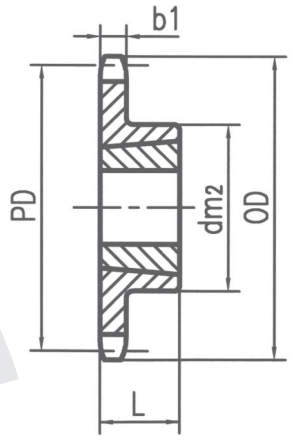
d=0.469" b1=0.459"

| NO. Teeth | Effective No.of Teeth | Catalog No. | O.D | BUSH | Bore MAX. | dm2 | LTB | WT With Bushing |
|---|---|---|---|---|---|---|---|---|
| 17 | 8 1/2 | 2060TB17 | 4.460 | 1610 | 1 5/8 | 3 | 1 | 2.50 |
| 19 | 9 1/2 | 2060TB19 | 4.940 | 1610 | 1 5/8 | 3 | 1 | 3.00 |
| 20 | 10 | 2060TB20 | 5.190 | 1610 | 1 5/8 | 3 | 1 | 3.50 |
| 21 | 10 1/2 | 2060TB21 | 5.430 | 2012 | 2 | 3 7/8 | 1 1/4 | 4.10 |
| 23 | 11 1/2 | 2060TB23 | 5.910 | 2012 | 2 | 3 7/8 | 1 1/4 | 4.70 |
| 25 | 12 1/2 | 2060TB25 | 6.390 | 2012 | 2 | 3 7/8 | 1 1/4 | 5.30 |
| 27 | 13 1/2 | 2060TB27 | 6.870 | 2012 | 2 | 3 7/8 | 1 1/4 | 6.20 |
| 31 | 15 1/2 | 2060TB31 | 7.830 | 2012 | 2 | 3 7/8 | 1 1/4 | 7.40 |
| 35 | 17 1/2 | 2060TB35 | 8.780 | 2012 | 2 | 3 7/8 | 1 1/4 | 8.60 |

## 2080/C2080-BTL FOR 2" PITCH

d=0.625" b1=0.575"

| NO. Teeth | Effective No.of Teeth | Catalog No. | O.D | BUSH | Bore MAX. | dm2 | LTB | WT With Bushing |
|---|---|---|---|---|---|---|---|---|
| 17 | 8 1/2 | 2080TB17 | 5.950 | 2012 | 2 | 3 7/8 | 1 1/4 | 4.80 |
| 19 | 9 1/2 | 2080TB19 | 6.590 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 9.00 |
| 20 | 10 | 2080TB20 | 6.910 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 9.40 |
| 21 | 10 1/2 | 2080TB21 | 7.230 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 9.70 |
| 23 | 11 1/2 | 2080TB23 | 7.880 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 10.80 |
| 25 | 12 1/2 | 2080TB25 | 8.520 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 11.70 |
| 27 | 13 1/2 | 2080TB27 | 9.160 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 14.50 |
| 31 | 15 1/2 | 2080TB31 | 10.430 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 16.80 |
| 35 | 17 1/2 | 2080TB35 | 11.710 | 2517 | 2 1/2 | 4 1/4 | 1 3/4 | 19.30 |



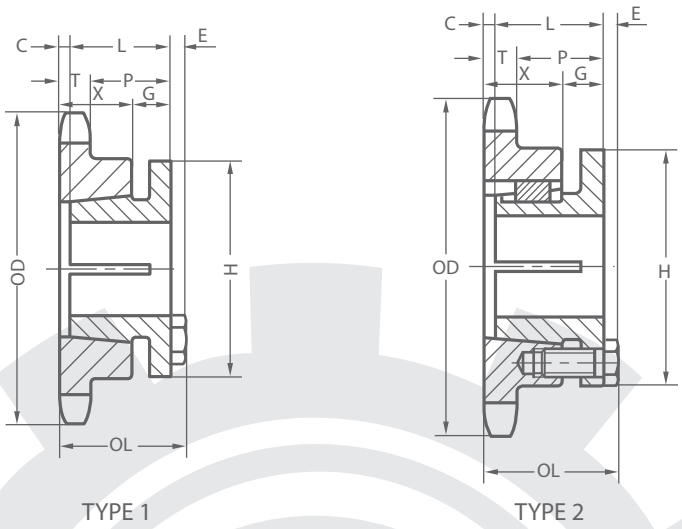

TYPE B1

New Standard Power Transmission

# Double Pitch Sprockets

STL

Taper Bore




TYPE 1 TYPE 2

| catalog NO | Diameters | | Bushing | TYPE | Dimensions | | | | | | | | | wt Less Bushing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | O.D | P.D | | | T | d | L | P | C | H | G | X | E | |
| **2040/C2040-STL FOR 1" PITCH** | | | | | | | | | | | | | | |
| 2040H17 | 2.96 | 2.768 | H | 1 | 0.275 | 1 1/2 | 1 1/4 | 1 1/32 | 1/16 | 2 1/2 | 7/16 | 7/8 | 3/16 | 0.6 |
| 2040H21 | 3.62 | 3.392 | H | 1 | 0.275 | 1 1/2 | 1 1/4 | 1 1/32 | 1/16 | 2 1/2 | 7/16 | 7/8 | 3/16 | 0.9 |
| **2050/C2050-STL FOR 1 1/4" PITCH** | | | | | | | | | | | | | | |
| 2050H17 | 3.72 | 3.460 | H | 1 | 0.343 | 1 1/2 | 1 1/4 | 31/32 | 1/16 | 2 1/2 | 7/16 | 7/8 | 3/16 | 1.0 |
| 2050P21 | 4.52 | 4.241 | P1 | 2 | 0.343 | 2 3/16 | 1 15/16 | 1 19/32 | — | 3 | 5/8 | 1 5/16 | 1/4 | 2.0 |
| 2050P23 | 4.92 | 4.633 | P1 | 2 | 0.343 | 2 3/16 | 1 15/16 | 1 19/32 | — | 3 | 5/8 | 1 5/16 | 1/4 | 2.4 |
| **2060/C2060-STL FOR 1 1/2" PITCH** | | | | | | | | | | | | | | |
| 2060P17 | 4.46 | 4.152 | P1 | 2 | 0.459 | 2 3/16 | 1 15/16 | 1 15/32 | — | 3 | 5/8 | 1 5/16 | 1/4 | 2.2 |
| 2060P19 | 4.95 | 4.620 | P1 | 2 | 0.459 | 2 3/16 | 1 15/16 | 1 15/32 | — | 3 | 5/8 | 1 5/16 | 1/4 | 2.6 |
| 2060P23 | 5.90 | 5.560 | P1 | 2 | 0.459 | 2 3/16 | 1 15/16 | 1 15/32 | — | 3 | 5/8 | 1 5/16 | 1/4 | 3.5 |
| **2080/C2080-STL FOR 2" PITCH** | | | | | | | | | | | | | | |
| 2080P17 | 5.94 | 5.536 | P1 | 2 | 0.575 | 2 3/16 | 1 15/16 | 1 3/8 | — | 3 | 5/8 | 1 5/16 | 1/4 | 3.9 |
| 2080Q19 | 6.59 | 6.160 | Q1 | 2 | 0.575 | 2 25/32 | 2 1/2 | 1 15/16 | — | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 6.4 |
| 2080Q21 | 7.23 | 6.785 | Q1 | 2 | 0.575 | 2 25/32 | 2 1/2 | 1 15/16 | — | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 7.4 |
| 2080Q23 | 7.87 | 7.413 | Q1 | 2 | 0.575 | 2 25/32 | 2 1/2 | 1 15/16 | — | 4 1/8 | 3/4 | 1 3/4 | 9/32 | 8.5 |

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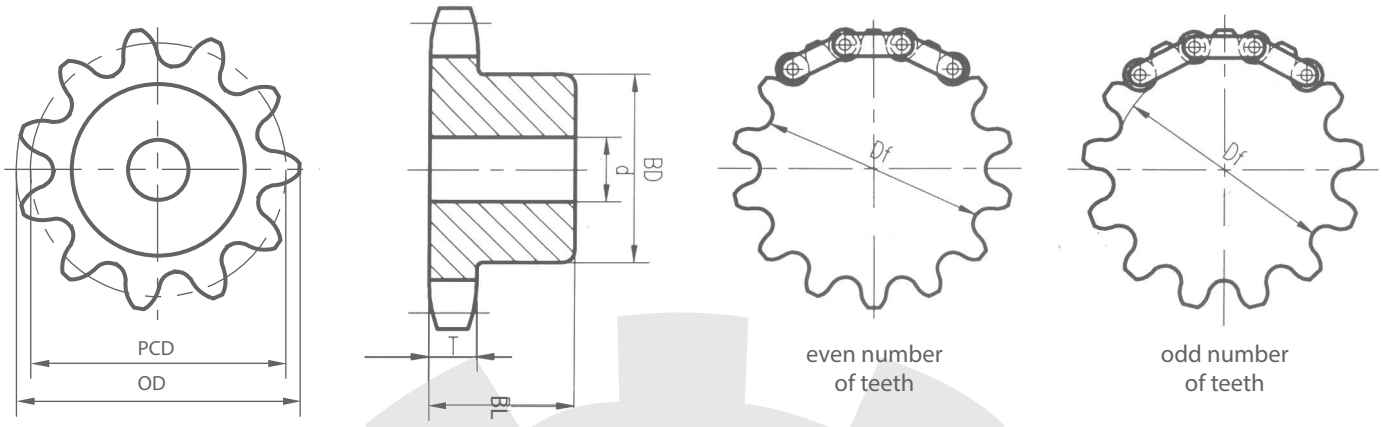
# Double Pitch Sprockets

Standard Bore




## 2042/C2042 FOR 1" PITCH

| Z | OD | PCD | BORE D | BORE MAX | HUB BD | HUB BL |
|---|---|---|---|---|---|---|
| 8 | 3.010 | 2.613 | 5/8 | 19/32 | 17/8 | 7/8 |
| 9 | 3.350 | 2.924 | 5/8 | 115/32 | 27/32 | 7/8 |
| 10 | 3.680 | 3.236 | 5/8 | 13/4 | 235/64 | 1 |
| 11 | 4.000 | 3.549 | 5/8 | 17/8 | 25/8 | 1 |
| 12 | 4.330 | 3.864 | 5/8 | 21/4 | 31/16 | 1 |
| 13 | 4.660 | 4.179 | 5/8 | 21/4 | 31/4 | 1 |
| 14 | 4.980 | 4.494 | 5/8 | 21/4 | 31/4 | 1 |
| 15 | 5.300 | 4.810 | 5/8 | 21/4 | 31/4 | 1 |
| 16 | 5.630 | 5.126 | 5/8 | 21/4 | 31/4 | 1 |
| 17 | 5.950 | 5.442 | 5/8 | 21/4 | 31/4 | 1 |
| 18 | 6.270 | 5.759 | 5/8 | 21/4 | 31/4 | 1 |
| 19 | 6.590 | 6.076 | 5/8 | 21/4 | 31/4 | 1 |
| 20 | 6.910 | 6.392 | 3/4 | 23/8 | 31/2 | 11/8 |
| 21 | 7.240 | 6.710 | 3/4 | 23/8 | 31/2 | 11/8 |
| 22 | 7.560 | 7.027 | 3/4 | 23/8 | 31/2 | 11/8 |
| 23 | 7.880 | 7.344 | 3/4 | 23/8 | 31/2 | 11/8 |
| 24 | 8.200 | 7.661 | 3/4 | 23/8 | 31/2 | 11/8 |
| 25 | 8.520 | 7.979 | 3/4 | 23/8 | 31/2 | 11/8 |
| 26 | 8.840 | 8.296 | 3/4 | 23/8 | 31/2 | 11/8 |
| 28 | 9.480 | 8.931 | 3/4 | 23/8 | 31/2 | 11/8 |
| 30 | 10.110 | 9.567 | 3/4 | 23/8 | 31/2 | 11/8 |

## 2062/C2062 FOR 1 1/2" PITCH

| Z | O.D | P.C.D | BORE D | BORE MAX | HUB BD | HUB BL |
|---|---|---|---|---|---|---|
| 8 | 4.520 | 3.920 | 3/4 | 127/32 | 227/32 | 11/4 |
| 9 | 5.020 | 4.386 | 3/4 | 29/32 | 311/32 | 11/4 |
| 10 | 5.520 | 4.854 | 3/4 | 29/16 | 353/64 | 11/4 |
| 11 | 6.010 | 5.324 | 3/4 | 23/4 | 4 | 11/4 |
| 12 | 6.500 | 5.796 | 3/4 | 23/4 | 4 | 11/4 |
| 13 | 6.990 | 6.268 | 3/4 | 23/4 | 4 | 11/4 |
| 14 | 7.470 | 6.741 | 3/4 | 23/4 | 4 | 11/4 |
| 15 | 7.960 | 7.215 | 3/4 | 23/4 | 4 | 11/4 |
| 16 | 8.440 | 7.689 | 3/4 | 23/4 | 4 | 11/4 |
| 17 | 8.920 | 8.163 | 1 | 23/4 | 4 | 11/4 |
| 18 | 9.410 | 8.638 | 1 | 23/4 | 4 | 11/4 |
| 19 | 9.890 | 9.113 | 1 | 23/4 | 41/4 | 11/4 |
| 20 | 10.370 | 9.589 | 1 | 23/4 | 41/4 | 11/4 |
| 21 | 10.850 | 10.064 | 1 | 23/4 | 41/4 | 11/4 |
| 22 | 11.330 | 10.540 | 1 | 23/4 | 41/4 | 11/4 |
| 23 | 11.810 | 11.016 | 1 | 23/4 | 41/4 | 11/4 |
| 24 | 12.290 | 11.492 | 1 | 23/4 | 41/4 | 11/4 |
| 25 | 12.770 | 11.968 | 1 | 23/4 | 41/4 | 11/4 |
| 26 | 13.250 | 12.444 | 1 | 23/4 | 41/4 | 13/4 |
| 28 | 14.210 | 13.397 | 11/4 | 23/4 | 41/4 | 13/4 |
| 30 | 15.170 | 14.350 | 11/4 | 23/4 | 41/4 | 13/4 |

## 2052/C2052 FOR 1 1/4" PITCH

| Z | O.D | P.C.D | BORE D | BORE MAX | HUB BC | HUB BL |
|---|---|---|---|---|---|---|
| 8 | 3.770 | 3.266 | 5/8 | 119/32 | 223/64 | 1 |
| 9 | 4.190 | 3.655 | 5/8 | 125/32 | 225/32 | 1 |
| 10 | 4.600 | 4.045 | 5/8 | 2 | 3 | 1 |
| 11 | 5.010 | 4.437 | 5/8 | 2 | 3 | 1 |
| 12 | 5.420 | 4.830 | 3/4 | 2 | 3 | 11/4 |
| 13 | 5.820 | 5.223 | 3/4 | 2 | 3 | 11/4 |
| 14 | 6.230 | 5.617 | 3/4 | 2 | 3 | 11/4 |
| 15 | 6.630 | 6.012 | 3/4 | 21/4 | 31/4 | 11/4 |
| 16 | 7.030 | 6.407 | 3/4 | 21/4 | 31/4 | 11/4 |
| 17 | 7.440 | 6.803 | 3/4 | 21/4 | 31/4 | 11/4 |
| 18 | 7.840 | 7.198 | 3/4 | 21/4 | 31/4 | 11/4 |
| 19 | 8.240 | 7.595 | 3/4 | 21/4 | 31/4 | 11/4 |
| 20 | 8.640 | 7.991 | 3/4 | 21/4 | 31/4 | 11/4 |
| 21 | 9.040 | 8.387 | 3/4 | 21/4 | 31/4 | 11/4 |
| 22 | 9.440 | 8.783 | 3/4 | 21/4 | 31/4 | 11/4 |
| 23 | 9.850 | 9.180 | 1 | 23/4 | 33/4 | 11/4 |
| 24 | 10.250 | 9.577 | 1 | 23/4 | 33/4 | 11/4 |
| 25 | 10.650 | 9.973 | 1 | 23/4 | 33/4 | 11/4 |
| 26 | 11.050 | 10.370 | 1 | 23/4 | 33/4 | 11/4 |
| 28 | 11.840 | 11.164 | 1 | 23/4 | 33/4 | 11/4 |
| 30 | 12.640 | 11.958 | 1 | 23/4 | 33/4 | 11/4 |

## 2082/C2082 FOR 2" PITCH

| Z | O.D | P.C.D | BORE D | BORE MAX | HUB BD | HUB BL |
|---|---|---|---|---|---|---|
| 8 | 6.030 | 5.226 | 1 | 217/32 | 351/64 | 13/4 |
| 9 | 6.700 | 5.848 | 1 | 23/4 | 41/4 | 13/4 |
| 10 | 7.360 | 6.472 | 1 | 23/4 | 41/4 | 13/4 |
| 11 | 8.010 | 7.099 | 1 | 23/4 | 41/4 | 13/4 |
| 12 | 8.660 | 7.727 | 1 | 23/4 | 41/4 | 13/4 |
| 13 | 9.310 | 8.357 | 11/4 | 31/4 | 43/4 | 2 |
| 14 | 9.960 | 8.988 | 11/4 | 31/4 | 43/4 | 2 |
| 15 | 10.610 | 9.620 | 13/16 | 31/4 | 43/4 | 2 |
| 16 | 11.250 | 10.252 | 13/16 | 31/4 | 43/4 | 2 |
| 17 | 11.900 | 10.885 | 13/16 | 31/4 | 43/4 | 2 |
| 18 | 12.540 | 11.518 | 13/16 | 31/4 | 43/4 | 2 |
| 19 | 13.190 | 12.151 | 13/16 | 31/4 | 43/4 | 2 |
| 20 | 13.830 | 12.785 | 13/16 | 31/4 | 43/4 | 2 |
| 21 | 14.470 | 13.419 | 11/4 | 31/4 | 43/4 | 2 |
| 22 | 15.110 | 14.053 | 11/4 | 31/4 | 43/4 | 2 |
| 23 | 15.750 | 14.688 | 11/4 | 31/4 | 43/4 | 2 |
| 24 | 16.390 | 15.323 | 11/4 | 31/4 | 43/4 | 2 |
| 25 | 17.030 | 15.958 | 11/4 | 31/4 | 43/4 | 2 |
| 26 | 17.670 | 16.593 | 11/4 | 31/2 | 51/4 | 2 |
| 28 | 18.950 | 17.863 | 11/4 | 31/2 | 51/4 | 2 |
| 30 | 20.230 | 19.134 | 11/4 | 31/2 | 51/4 | 2 |

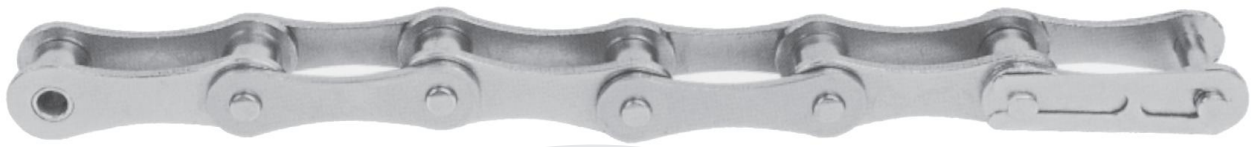
CAPT 凯普特传动

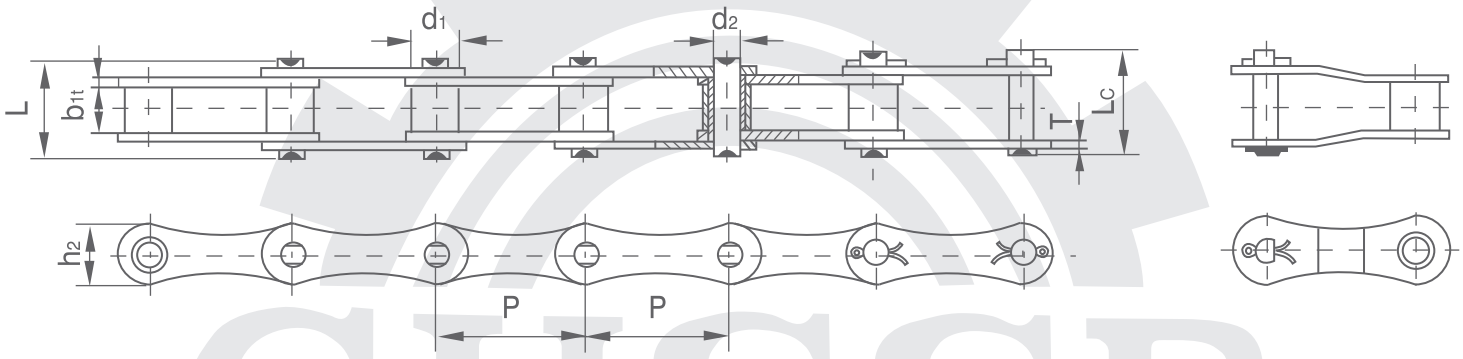
NSPT New Standard Power Transmission

# Sprockets - Chain

ANSI B29.3M-1994

## Double Pitch Transmission Chains






| ANSI Chain No. | Pitch | Roller Diameter | Width Between Inner Plates | Pin Diameter | Pin Length | | Inner Plate Depth | Ultimate Tensile Strength | Average Tensile Strength | Weight Per Meter |
|---|---|---|---|---|---|---|---|---|---|---|
| | P | $d_1$ max | $b_1$ min | $d_2$ max | L max | $L_c$ max | $h_2$ max | Q max | $Q_0$ | q |
| | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| 2040 | 25.4 | 7.95 | 7.85 | 3.96 | 16.6 | 18.8 | 12.0 | 14.1 | 16.0 | 0.42 |
| 2050 | 31.75 | 10.16 | 9.40 | 5.08 | 20.7 | 23.3 | 15.0 | 22.2 | 26.1 | 0.73 |
| 2060 | 38.1 | 11.91 | 12.57 | 5.94 | 25.9 | 28.3 | 18.0 | 31.8 | 33.5 | 1.02 |
| 2080 | 50.8 | 15.88 | 15.75 | 7.92 | 32.7 | 36.5 | 24.0 | 56.7 | 64.9 | 1.70 |
| 2100 | 63.5 | 19.05 | 18.90 | 9.53 | 40.4 | 44.7 | 30.0 | 88.5 | 101.8 | 2.55 |
| 2120 | 76.2 | 22.23 | 25.22 | 11.1 | 50.3 | 54.3 | 35.7 | 127.0 | 147.0 | 4.06 |

CAPT POWER TRANSMISSION 凯普特传动

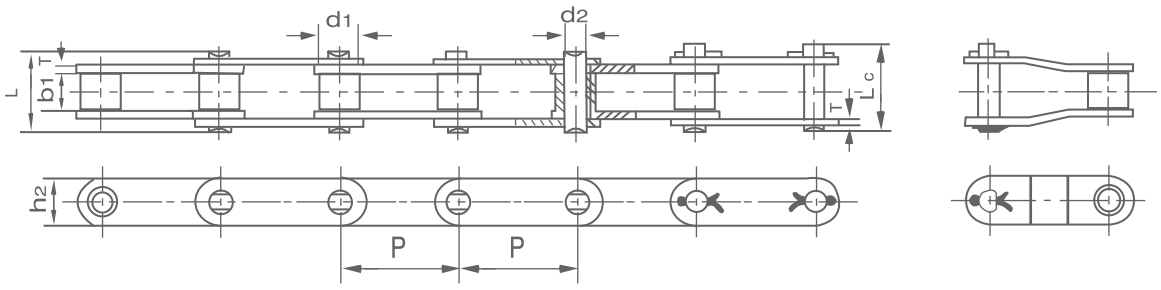
NSPT New Standard Power Transmission

# Sprockets - Chain

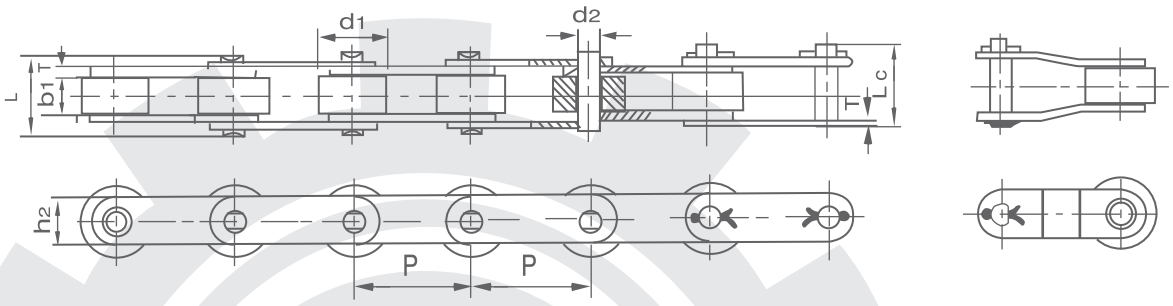
ANSI B29.3M-1994
ANSI B29.4M-1994

## Double Pitch Conveyor Chains

Small Roller Type




Large Roller Type




| ANSI Chain No. | Pitch | Roller Diameter | Width Between Inner Plates | Pin Diameter | Pin Length | | Inner Plate Depth | Plate Thick--ness | Ultimate Tensile Strength | Average Tensile Strength | Weight Per Meter |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | P | $d_1$ max | $b_1$ min | $d_2$ max | L max | $L_c$ max | $h_2$ max | T max | Q min | $Q_0$ | q |
| | mm | mm | mm | mm | mm | mm | mm | mm | kN | kN | kg/m |
| C2040<br>C2042 | 25.40 | 7.95<br>15.88 | 7.85 | 3.96 | 16.6 | 17.8 | 12.0 | 1.50 | 14.1 | 16.7 | 0.50<br>0.84 |
| C2040H | 25.40 | 7.95 | 7.85 | 3.95 | 18.8 | 19.9 | 12.0 | 2.03 | 14.1 | 17.2 | 0.65 |
| C2050<br>C2052 | 31.75 | 10.16<br>19.05 | 9.40 | 5.08 | 20.7 | 22.2 | 15.0 | 2.03 | 22.2 | 28.1 | 0.78<br>1.27 |
| C2060<br>C2062 | 38.10 | 11.91<br>22.23 | 12.57 | 5.94 | 25.9 | 27.7 | 18.0 | 2.42 | 31.8 | 36.8 | 1.12<br>1.61 |
| C2060H<br>C2062H | 38.10 | 11.91<br>22.23 | 12.57 | 5.94 | 29.2 | 31.6 | 18.0 | 3.25 | 31.8 | 41.6 | 1.44<br>2.07 |
| C2080<br>C2082 | 50.80 | 15.88<br>28.58 | 15.75 | 7.92 | 32.7 | 36.5 | 24.0 | 3.25 | 56.87 | 65.7 | 2.08<br>3.12 |
| C2080H<br>C2082H | 50.80 | 15.88<br>28.58 | 15.75 | 7.92 | 36.2 | 39.4 | 24.4 | 4.00 | 56.7 | 70.0 | 2.54<br>3.58 |
| C2100<br>C2102 | 63.50 | 19.05<br>39.67 | 18.90 | 9.53 | 40.4 | 44.7 | 30.0 | 4.00 | 88.5 | 102.6 | 3.01<br>4.83 |
| C2100H<br>C2102H | 63.50 | 19.05<br>39.67 | 18.90 | 9.53 | 43.6 | 46.9 | 30.0 | 4.80 | 88.5 | 112.4 | 3.56<br>5.38 |
| C2120<br>C2122 | 76.20 | 22.23<br>44.45 | 25.22 | 11.10 | 50.3 | 54.3 | 35.7 | 4.80 | 127.0 | 147.3 | 4.66<br>7.66 |
| C2120H<br>C2122H | 76.20 | 22.23<br>44.45 | 25.22 | 11.10 | 53.5 | 57.5 | 35.7 | 5.60 | 127.0 | 160.9 | 2.26<br>8.26 |
| C2160<br>C2162 | 101.60 | 28.58<br>57.15 | 31.75 | 14.27 | 64.8 | 69.6 | 47.8 | 6.40 | 226.8 | 278.9 | 8.23<br>11.95 |
| C2160H<br>C2162H | 101.60 | 28.58<br>57.15 | 31.75 | 14.27 | 68.2 | 73.0 | 47.8 | 7.20 | 226.8 | 285.8 | 9.06<br>12.77 |

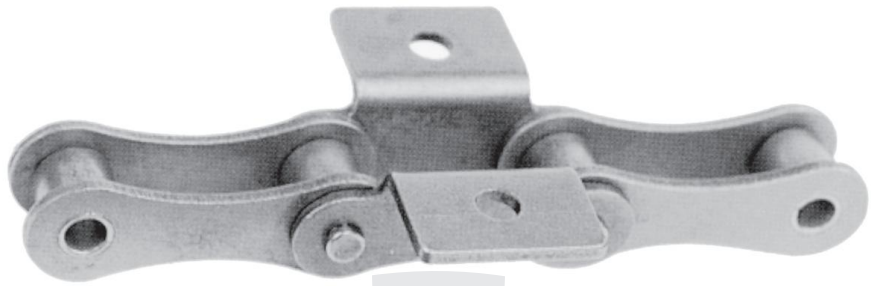
CAPT 凯普特传动

NSPT New Standard Power Transmission

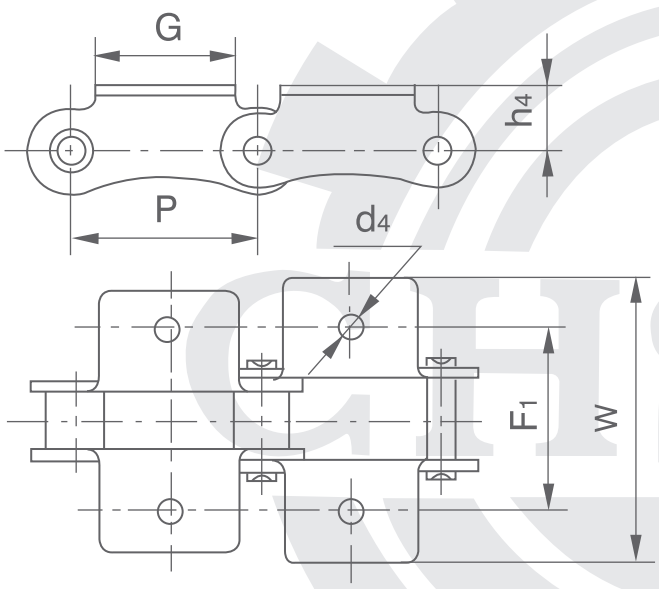
# Sprockets - Chain

ANSI B29.3M-1994
ANSI B29.4M-1994

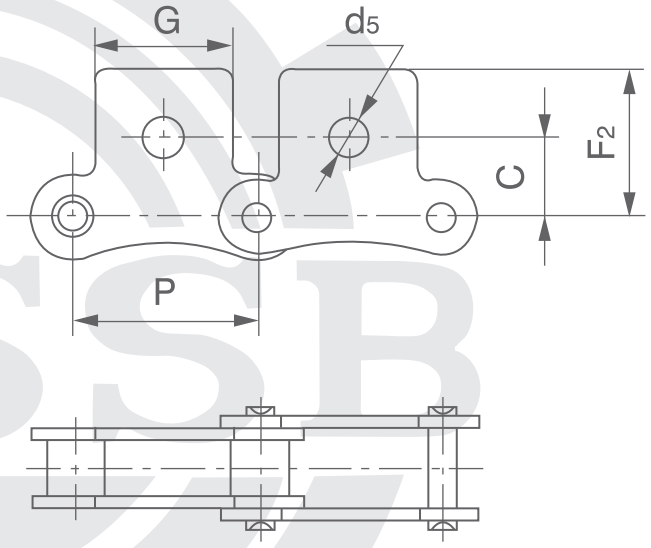
Double pitch transmission chain attachments



K-1




SK-1



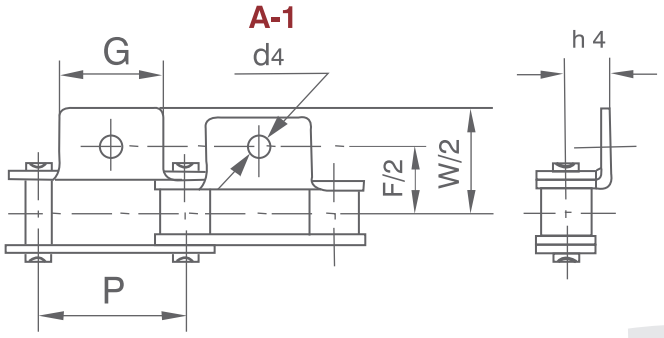

| ANSI Chain No. | P | G | $F_1$ | W | $h_4$ | $d_4$ | C | $F_2$ | $d_5$ |
|---|---|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 2040 | 25.4 | 19.1 | 25.4 | 39.6 | 9.1 | 3.4 | 11.1 | 20.5 | 5.5 |
| 2050 | 31.75 | 23.8 | 31.8 | 49.0 | 11.1 | 5.5 | 14.3 | 25.0 | 6.6 |
| 2060 | 38.10 | 28.6 | 42.9 | 67.8 | 14.7 | 5.5 | 17.5 | 32.9 | 9.2 |
| 2080 | 50.80 | 38.1 | 55.6 | 87.8 | 19.1 | 6.8 | 22.2 | 43.5 | 11.0 |
| 2100 | 63.50 | 47.6 | 66.6 | 107.5 | 23.4 | 9.2 | 28.6 | 50.4 | 13.0 |
| 2120 | 76.20 | 57.2 | 79.3 | 127.5 | 27.8 | 11.0 | | | |

# Sprockets - Chain

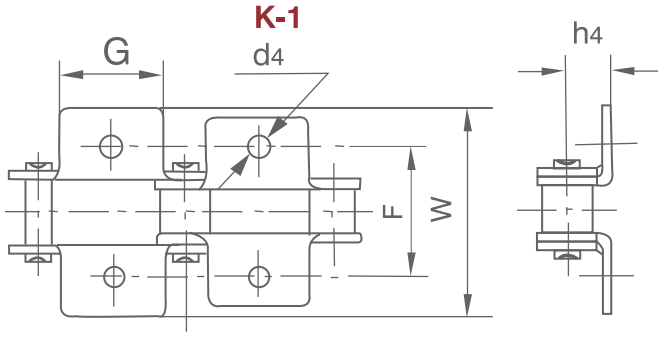
ANSI B29.3M-1994
ANSI B29.4M-1994

## Double pitch transmission chain attachments

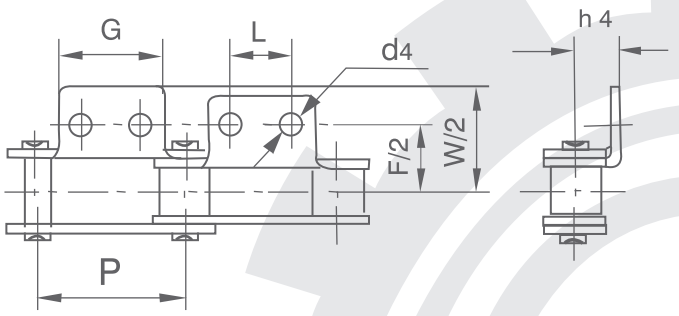
**A-1**



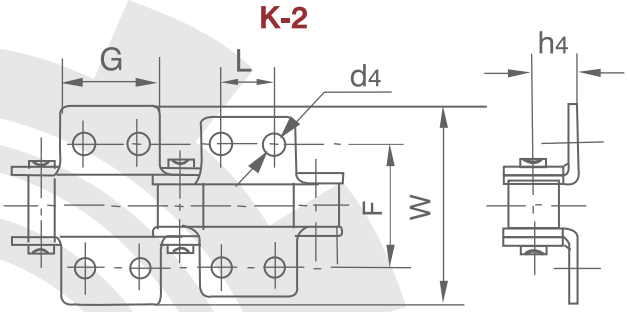

**K-1**




**A-2**




**K-2**




| ANSI Chain No. | P | G | L | F | W | h4 | d4 |
|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | mm | mm |
| C2040<br>C2042 | 25.4 | 19.1 | 9.5 | 25.4 | 39.6 | 9.1 | 3.4 |
| C2050<br>C2052 | 31.75 | 23.8 | 11.9 | 31.8 | 49.0 | 11.1 | 5.5 |
| C2060<br>C2062 | 38.1 | 28.6 | 14.3 | 42.9 | 67.8 | 14.7 | 5.5 |
| C2060H<br>C2062H | 38.1 | 28.6 | 14.3 | 42.9 | 67.8 | 14.7 | 5.5 |
| C2080<br>C2082 | 50.8 | 38.1 | 19.1 | 55.6 | 87.8 | 19.1 | 6.8 |
| C2080H<br>C2082H | 50.8 | 38.1 | 19.1 | 55.6 | 87.8 | 19.1 | 6.8 |
| C2100<br>C2102 | 63.5 | 47.6 | 23.8 | 66.6 | 107.5 | 23.4 | 9.2 |
| C2100H<br>C2102H | 63.5 | 47.6 | 23.8 | 66.6 | 107.5 | 23.4 | 9.2 |
| C2120<br>C2122 | 76.2 | 57.2 | 28.6 | 79.3 | 121.4 | 27.8 | 11.0 |
| C2120H<br>C2122H | 76.2 | 57.2 | 28.6 | 79.3 | 121.4 | 27.8 | 11.0 |
| C2160<br>C2162 | 101.6 | 76.2 | 38.1 | 104.7 | 151.6 | 36.5 | 13.1 |
| C2160H<br>C2162H | 101.6 | 76.2 | 38.1 | 104.7 | 151.6 | 36.5 | 13.1 |

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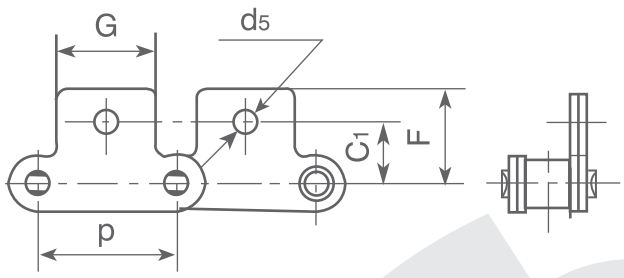
NSPT New Standard Power Transmission

# Sprockets - Chain

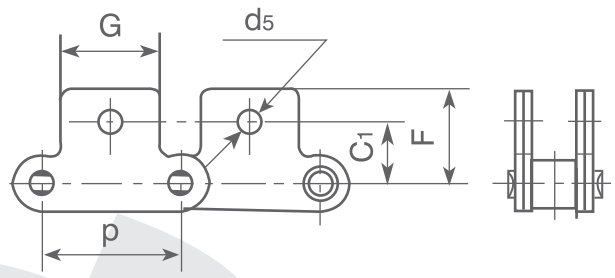
ANSI B29.3M-1994
ANSI B29.4M-1994

Double pitch transmission chain attachments

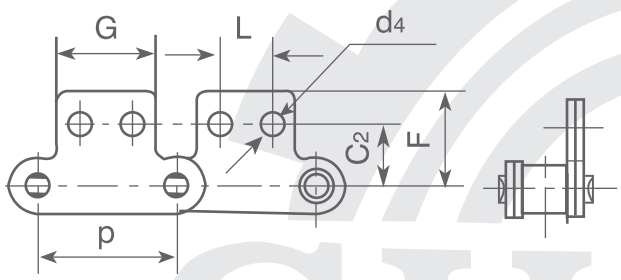
**SA-1**



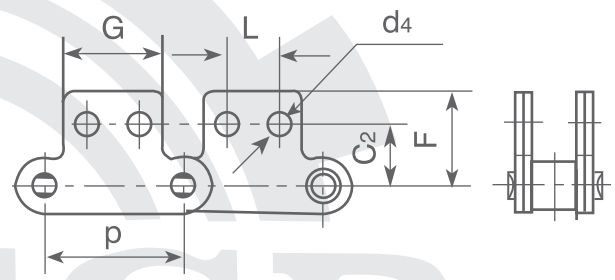

**SK-1**




**SA-2**




**SK-2**




| ANSI Chain No. | P | G | L | $C_1$ | $C_2$ | F | $d_4$ | $d_5$ |
|---|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | mm | mm | mm |
| C2040<br>C2042 | 25.40 | 19.1 | 9.5 | 11.1 | 13.5 | 20.5 | 3.4 | 5.5 |
| C2050<br>C2052 | 31.75 | 23.8 | 11.9 | 14.3 | 15.9 | 25.0 | 5.5 | 6.6 |
| C2060<br>C2062 | 38.10 | 28.6 | 14.3 | 17.5 | 19.1 | 32.9 | 5.5 | 9.2 |
| C2060H<br>C2062H | 38.10 | 28.6 | 14.3 | 17.5 | 19.1 | 32.9 | 5.5 | 9.2 |
| C2080<br>C2082 | 50.80 | 38.1 | 19.1 | 22.2 | 25.4 | 43.5 | 6.6 | 11.0 |
| C2080H<br>C2082H | 50.80 | 38.1 | 19.1 | 22.2 | 25.4 | 43.5 | 6.6 | 11.0 |
| C2100<br>C2102 | 63.50 | 47.6 | 23.8 | 28.6 | 31.8 | 50.4 | 8.4 | 13.0 |
| C2100H<br>C2102H | 63.50 | 47.6 | 23.8 | 28.6 | 31.8 | 50.4 | 8.4 | 13.0 |