

## Double Pitch Sprockets

▲ Has recessed groove in hub for chain clearance

† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

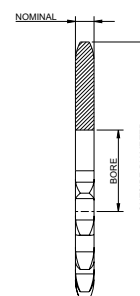
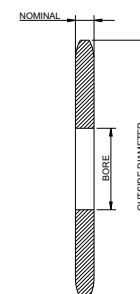
| Pitch | Inner width | Roller-<br>ø | ASME / ANSI<br>Size |
|-------|-------------|--------------|---------------------|
| inch  | inch        | inch         | inch                |
| 1"    | 5/16"       | .313"        | A2040               |
| 1"    | 5/16"       | .313"        | C2040               |
| 1"    | 5/16"       | .625"        | C2042               |



Conveyor or Drive Series — Standard Roller Double Pitch Sprocket  
for C2040/A2040 Chain — 1" Pitch

| Basic Sprocket Dimensions |                  |                | Single — Type A |            |          | Single — Type B |            |            |          |     |          |
|---------------------------|------------------|----------------|-----------------|------------|----------|-----------------|------------|------------|----------|-----|----------|
| No. Teeth                 | Outside Diameter | Pitch Diameter | Catalog Number  | Plain Bore | Wt. Lbs. | Catalog Number  | Plain Bore | †Max. Bore | Hub Dia. | LTB | Wt. Lbs. |
| 11                        | 2.000            | 1.852          |                 |            |          | 2040B11         | 1/2        | 1 3/16     | ▲ 1 3/8  | 7/8 | .34      |
| 12                        | 2.170            | 2.000          |                 |            |          | 2040B12         | 1/2        | 1 3/16     | ▲ 1 9/16 | 7/8 | .44      |
| 13                        | 2.330            | 2.152          |                 |            |          | 2040B13         | 1/2        | 1 1/32     | ▲ 1 9/16 | 7/8 | .48      |
| 14                        | 2.490            | 2.305          |                 |            |          | 2040B14         | 1/2        | 1 1/32     | ▲ 1 9/16 | 7/8 | .60      |
| 15                        | 2.650            | 2.458          |                 |            |          | 2040B15         | 1/2        | 1 1/32     | 1 23/32  | 7/8 | .66      |
| 16                        | 2.810            | 2.613          |                 |            |          | 2040B16         | 5/8        | 1 9/32     | 1 7/8    | 7/8 | .76      |
| 17                        | 2.980            | 2.768          |                 |            |          | 2040B17         | 5/8        | 1 5/16     | 2 3/64   | 1   | 1.00     |
| 18                        | 3.140            | 2.924          |                 |            |          | 2040B18         | 5/8        | 1 15/32    | 2 7/32   | 1   | 1.16     |
| 19                        | 3.300            | 3.080          |                 |            |          | 2040B19         | 5/8        | 1 5/8      | 2 3/8    | 1   | 1.36     |
| 20                        | 3.460            | 3.236          |                 |            |          | 2040B20         | 5/8        | 1 3/4      | 2 35/64  | 1   | 1.54     |
| 21                        | 3.620            | 3.392          |                 |            |          | 2040B21         | 5/8        | 1 25/32    | 2 45/64  | 1   | 1.74     |
| 22                        | 3.780            | 3.549          |                 |            |          | 2040B22         | 5/8        | 1 7/8      | 2 7/8    | 1   | 1.92     |
| 23                        | 3.940            | 3.706          |                 |            |          | 2040B23         | 5/8        | 2          | 3        | 1   | 2.16     |
| 24                        | 4.100            | 3.864          |                 |            |          | 2040B24         | 5/8        | 2 1/4      | 3 1/4    | 1   | 2.44     |
| 25                        | 4.260            | 4.021          |                 |            |          | 2040B25         | 5/8        | 2 1/4      | 3 1/4    | 1   | 2.48     |
| 26                        | 4.420            | 4.179          |                 |            |          | 2040B26         | 5/8        | 2 1/4      | 3 1/4    | 1   | 2.60     |
| 28                        | 4.740            | 4.494          |                 |            |          | 2040B28         | 5/8        | 2 1/4      | 3 1/4    | 1   | 2.74     |
| 30                        | 5.060            | 4.810          |                 |            |          | 2040B30         | 5/8        | 2 1/4      | 3 1/4    | 1   | 2.92     |

TYPE A



Conveyor Series — Large Roller Double Pitch Sprocket  
for C2042 Chain — 1" Pitch

| Basic Sprocket Dimensions |                  |                | Single — Type A |            |          | Single — Type B |            |            |          |       |          |
|---------------------------|------------------|----------------|-----------------|------------|----------|-----------------|------------|------------|----------|-------|----------|
| No. Teeth                 | Outside Diameter | Pitch Diameter | Catalog Number  | Plain Bore | Wt. Lbs. | Catalog Number  | Plain Bore | †Max. Bore | Hub Dia. | LTB   | Wt. Lbs. |
| 8                         | 3.010            | 2.613          |                 |            |          | 2042B8          | 5/8        | 1 9/32     | 1 7/8    | 7/8   | .72      |
| 9                         | 3.350            | 2.924          |                 |            |          | 2042B9          | 5/8        | 1 15/32    | 2 7/32   | 7/8   | 1.02     |
| 10                        | 3.680            | 3.236          |                 |            |          | 2042B10         | 5/8        | 1 3/4      | 2 35/64  | 1     | 1.50     |
| 11                        | 4.010            | 3.549          |                 |            |          | 2042B11         | 5/8        | 1 7/8      | 2 5/8    | 1     | 1.68     |
| 12                        | 4.330            | 3.864          |                 |            |          | 2042B12         | 5/8        | 2 1/4      | 3 1/16   | 1     | 2.22     |
| 13                        | 4.660            | 4.179          |                 |            |          | 2042B13         | 5/8        | 2 1/4      | 3 1/4    | 1     | 2.56     |
| 14                        | 4.980            | 4.494          |                 |            |          | 2042B14         | 5/8        | 2 1/4      | 3 1/4    | 1     | 2.72     |
| 15                        | 5.310            | 4.810          |                 |            |          | 2042B15         | 5/8        | 2 1/4      | 3 1/4    | 1     | 2.90     |
| 16                        | 5.630            | 5.126          | 2042A16         | 19/32      | 1.38     | 2042B16         | 5/8        | 2 1/4      | 3 1/4    | 1     | 3.10     |
| 17                        | 5.950            | 5.442          | 2042A17         | 19/32      | 1.68     | 2042B17         | 5/8        | 2 1/4      | 3 1/4    | 1     | 3.40     |
| 18                        | 6.270            | 5.759          | 2042A18         | 19/32      | 1.88     | 2042B18         | 5/8        | 2 1/4      | 3 1/4    | 1     | 3.56     |
| 19                        | 6.590            | 6.076          | 2042A19         | 19/32      | 2.06     | 2042B19         | 5/8        | 2 1/4      | 3 1/4    | 1     | 3.72     |
| 20                        | 6.910            | 6.392          | 2042A20         | 23/32      | 2.40     | 2042B20         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 4.72     |
| 21                        | 7.240            | 6.710          | 2042A21         | 23/32      | 2.62     | 2042B21         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 4.84     |
| 22                        | 7.560            | 7.027          | 2042A22         | 23/32      | 2.88     | 2042B22         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 5.18     |
| 23                        | 7.880            | 7.344          | 2042A23         | 23/32      | 3.14     | 2042B23         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 5.04     |
| 24                        | 8.200            | 7.661          | 2042A24         | 23/32      | 3.22     | 2042B24         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 5.58     |
| 25                        | 8.520            | 7.979          | 2042A25         | 23/32      | 3.50     | 2042B25         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 5.96     |
| 26                        | 8.840            | 8.296          | 2042A26         | 23/32      | 3.74     | 2042B26         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 6.22     |
| 28                        | 9.480            | 8.931          | 2042A28         | 23/32      | 4.76     | 2042B28         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 6.78     |
| 30                        | 10.110           | 9.567          | 2042A30         | 23/32      | 5.08     | 2042B30         | 3/4        | 2 3/8      | 3 1/2    | 1 1/8 | 7.56     |

Some sizes are Made-To-Order, consult iwiss for availability.

TYPE B

