

Product range



**Sprockets and Drive Components –
American Standard (ANSI)**

US
Portfolio

iwis

Joh. Winklhofer Beteiligungs GmbH & Co. KG

Company Headquarters, Parent of the independent subsidiary companies,
Management Organisation of the Internationally operating companies

iwis motorsysteme GmbH & Co. KG

Subsidiary for the automotive sector, for example chain drives and mass balance drives as well as oil pump drives and gear box chains

iwis antriebssysteme GmbH & Co. KG

Subsidiary for the industrial sector, high precision chains and drive systems for a wide range of applications

iwis antriebssysteme GmbH

A distribution and service company within the chain drive industry

iwis agrisystems (Div.)

Competence center for the iwis agricultural chain program for combines and maize harvesting



München (DE)
Landsberg (DE)
Indianapolis (US)
Pune (IN)
São Paulo (BR)
Seoul (KR)
Shanghai (CN)
Tokyo (JP)



München (DE)
Indianapolis (US)
Langley (CA)
Johannesburg (ZA)
Meyzieu (FR)
Othmarsingen (CH)
Porto Alegre (BR)
Shanghai (CN)
Strakonice (CZ)
Suzhou (CN)
Tipton (UK)



ecoplus®

Wilnsdorf (DE)
Indianapolis (US)
Langley (CA)
Johannesburg (ZA)
Meyzieu (FR)
Othmarsingen (CH)
Porto Alegre (BR)
Shanghai (CN)
Suzhou (CN)
Tipton (UK)



Sontra (DE)
Indianapolis (US)
Langley (CA)
Johannesburg (ZA)
Meyzieu (FR)
Othmarsingen (CH)
Porto Alegre (BR)
Shanghai (CN)
Tipton (UK)

Together, we are able to offer you even more

Flexible for your success

The company iwis, with its brands JWIS, ELITE and FLEXON, is an international and highly specialized service provider in the drive technology sector. The ELITE product program covers Sprockets, Roller chains, Conveyor chains, Agricultural chains, Special chains, Leaf chains and accessories to cover all fields of chain applications. The FLEXON product program consists of Flat Top chains and Modular belts, corresponding sprockets and additional accessories. Industry, agriculture and many other areas benefit not only from our high quality and reliable products, but also our highly flexible service performance.

The know-how developed over 30 years in the company sectors of research and development, logistics, quality assurance and services are the solid foundations of the present company employing 120 staff in Europe, in the USA and in Asia.

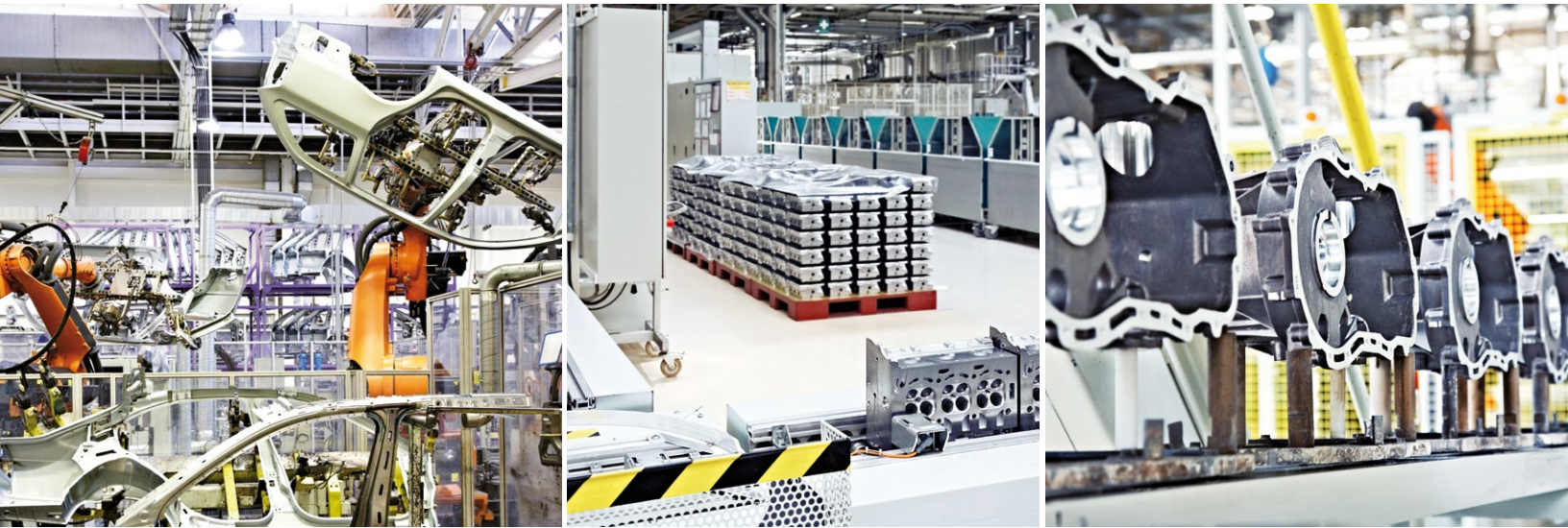
iwis has strategically placed itself in a very strong market position with the development of “ELITE sprockets and high precision roller and conveyor chains” for various industrial drive applications. The “ELITE” product brand stands for reliability, flexibility and ultimately provides a package which is of benefit to the customer.

To improve the performance and efficiency of v-belts and roller chains, iwis offers Elite Tensioning Systems technology. ETS offer a full range of high quality tensioners, combined with a competent level of service which is designed to meet the requirements of OEM and MRO demands on a worldwide basis.

We have created an optimal logistics procedure for our international clients with our German logistics site Wilnsdorf, responsible for the product sector of Roller chains, Special chains, Flat Top chains, ‘Modular belts and Chain wheels and Sontra, responsible for the product sector of Agricultural chains, and our sales offices and warehouses in Europe and in the USA.

iwis aims to provide at all times the best possible solutions for its clients, particularly in highly technical and often difficult applications. We are continuously growing in a hard fought market place and our commitment to service and performance helps to cement relationships which make our clients also our partners. This concept is backed by the know-how and expertise of our specialists in the key areas of development, manufacture, quality assurance, distribution and service. The technological standard of our products is considered throughout the chain industry to be exemplary and iwis consistently invests in the future through our close co-operation with the Chemnitz Technical University, which is a leading international and scientific institution in the drive and conveyor technology sector.

Industrial applications



High precision roller and conveyor chains for numerous industrial applications

- Distribution and materials handling industry
- Packaging industry
- Medical technology
- Food processing industry
- Conveyor technology
- Assembly and industrial handling systems
- Woodworking machinery
- Machine tools
- Drive systems
- General engineering and systems construction
- Glass and ceramics industry
- Measurement and testing technology
- Heat and refrigeration engineering
- Environmental technology
- Plant engineering and construction
- Agricultural machinery

Your perfect engineering partner



iwis has the largest chain R & D department in Europe, having more than 60 development engineers solely engaged for the engineering of chain drive systems. Besides basic development and designing innovative customer solutions, the main focus of iwiss R&D division ranges from calculations, design and testing to wear elongation and fatigue strength analysis.

- Special knowledge of noise emission analysis and vibration engineering
- Our laboratory has the capabilities to carry out many different testing possibilities including microscopy, metallography, evaluation of mechanical properties, chemical composition and qualified analysis of data
- Dynamic simulation/analysis of chain drive systems with regard to chain load, torsional vibrations and friction losses
- FEM analysis of individual chain drive parts – static and dynamic stress and strength investigations
- Evaluation of iwiss and customer readings at test facilities for verification of simulation models
- Identification of thermal characteristics of chain drives while testing in the climate-testing laboratory.



Evaluation of chain breaking strength and elongation up to 1000kN



More than 15 pulser are available for testing dynamic fatigue strength according to different testing methods



Testing of chain wear elongation behavior on more than 20 test rigs

Content

Sprockets and drive components

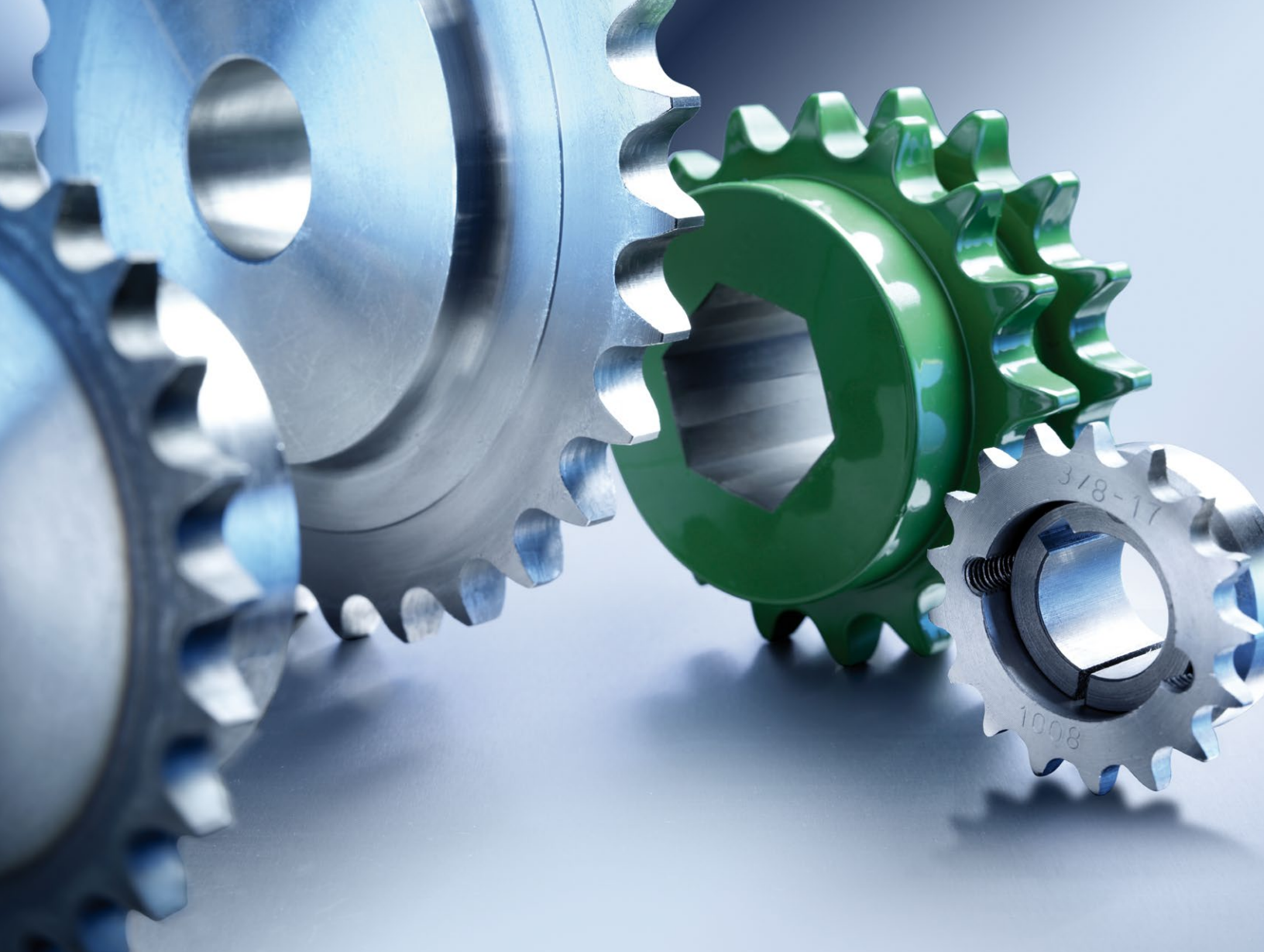
08	No. 25 1/4" Pitch – Plain Bore
09	No. 25 1/4" Pitch – Stainless Steel
10	No. 35 3/8" Pitch – Plain Bore
11	No. 35 3/8" Pitch – Finished Bore
12	No. 35 3/8" Pitch – Stainless Steel
13	No. 35 3/8" Pitch – Multiple Strand
14	No. 35 3/8" Pitch – Tapered Bushing
15	No. 35 3/8" Pitch – QD®
16	No. 40 1/2" Pitch – Plain Bore
17	No. 40 1/2" Pitch – Finished Bore
18	No. 40 1/2" Pitch – Stainless Steel
19	No. 40 1/2" Pitch – Multiple Strand
20	No. 40 1/2" Pitch – Tapered Bushing
21	No. 40 1/2" Pitch – Tapered Bushing
22	No. 40 1/2" Pitch – QD®
23	No. 41 1/2" Pitch – Plain Bore
24	No. 41 1/2" Pitch – Finished Bore
25	No. 41 1/2" Pitch – Tapered Bushing
26	No. 50 5/8" Pitch – Plain Bore
27	No. 50 5/8" Pitch – Finished Bore
28	No. 50 5/8" Pitch – Stainless Steel
29	No. 50 5/8" Pitch – Multiple Strand
30	No. 50 5/8" Pitch – Tapered Bushing
32	No. 50 QD® 5/8" Pitch
33	No. 60 3/4" Pitch – Plain Bore

34	No. 60 3/4" Pitch – Finished Bore
35	No. 60 3/4" Pitch – Stainless Steel
36	No. 60 3/4" Pitch – Multiple Strand
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40	No. 80 1" Pitch – Plain Bore
41	No. 80 1" Pitch – Finished Bore
42	No. 80 1" Pitch – Stainless Steel
43	No. 80 1" Pitch – Multiple Strand
44	No. 80 1" Pitch – Tapered Bushing
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48	No. 100 1 1/4" Pitch – Multiple Strand
49	No. 100 1 1/4" Pitch – Tapered Bushing
50	No. 100 1 1/4" Pitch – QD®
51	No. 120 1 1/2" Pitch – Plain Bore
52	No. 120 1 1/2" Pitch – Multiple Strand
53	No. 120 1 1/2" Pitch – Tapered Bushing
54	No. 120 1 1/2" Pitch – QD®
55	No. 140 1 3/4" Pitch – Plain Bore
56	No. 140 1 3/4" Pitch – Multiple Strand
57	No. 140 1 3/4" Pitch – Tapered Bushing
58	No. 140 1 3/4" Pitch – QD®
59	No. 160 2" Pitch – Plain Bore
60	No. 160 2" Pitch – Multiple Strand
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Sprockets and drive components

Sprockets according to DIN 8188 and ISO 606

iwis offers in the market sector “Sprockets and other drive components” an impressively wide range and broad stock of various sprockets with pilot bores, and has full machining facilities in order to rapidly rework pilot bore sprockets to customers’ demands. Furthermore, iwis provides fully finished sprockets manufactured according to customer designs and drawings.

No. 25 1/4" Pitch — Plain Bore

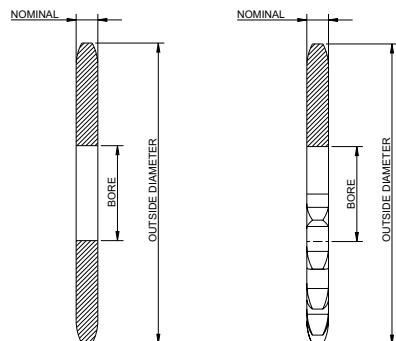


Pitch	Inner width	Roller- ø
inch	inch	inch
1/4"	1/8"	.130"

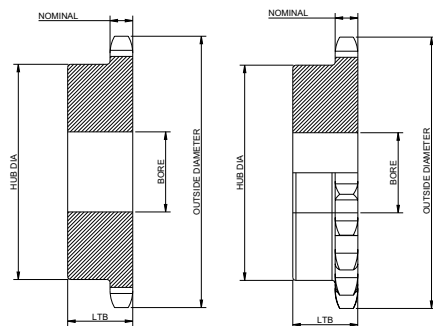
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Sprocket Diameters			Type A			Type B					
1/4" Pitch											
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	.837	.731	25A9	1/4	.01	25B9	1/4	1/4	7/16	1/2	.03
10	.919	.809	25A10	1/4	.02	25B10	1/4	1/4	1/2	1/2	.03
11	1.002	.887	25A11	1/4	.02	25B11	1/4	5/16	9/16	1/2	.04
12	1.083	.966	25A12	1/4	.02	25B12	1/4	3/8	5/8	1/2	.06
13	1.167	1.045	25A13	1/4	.02	25B13	1/4	7/16	23/32	1/2	.07
14	1.245	1.123	25A14	1/4	.03	25B14	1/4	9/16	15/16	1/2	.08
15	1.326	1.203	25A15	1/4	.03	25B15	1/4	9/16	7/8	1/2	.10
16	1.407	1.282	25A16	1/4	.04	25B16	1/4	9/16	31/32	1/2	.12
17	1.487	1.361	25A17	1/4	.04	25B17	1/4	5/8	1 1/32	1/2	.14
18	1.568	1.440	25A18	1/4	.05	25B18	1/4	3/4	1 1/8	1/2	.16
19	1.648	1.519	25A19	1/4	.05	25B19	1/4	13/16	1 7/32	1/2	.19
20	1.728	1.598	25A20	1/4	.06	25B20	1/4	7/8	1 9/32	5/8	.25
21	1.809	1.677	25A21	3/8	.06	25B21	1/4	7/8	1 3/8	5/8	.28
22	1.889	1.757	25A22	3/8	.07	25B22	1/4	15/16	1 7/16	5/8	.31
23	1.969	1.836	25A23	3/8	.07	25B23	1/4	1	1 1/2	5/8	.32
24	2.049	1.915	25A24	3/8	.08	25B24	3/8	1	1 1/2	5/8	.33
25	2.129	1.995	25A25	3/8	.09	25B25	3/8	1	1 1/2	5/8	.34
26	2.209	2.074	25A26	3/8	.10	25B26	3/8	1	1 1/2	5/8	.35
28	2.369	2.233	25A28	3/8	.12	25B28	3/8	1	1 1/2	5/8	.36
30	2.529	2.392	25A30	3/8	.14	25B30	3/8	1	1 1/2	5/8	.38
32	2.688	2.551	25A32	3/8	.15	25B32	3/8	1	1 1/2	5/8	.40
35	2.913	2.789	25A35	3/8	.19	25B35	3/8	1	1 1/2	5/8	.44
36	3.008	2.868	25A36	3/8	.20	25B36	3/8	1	1 1/2	3/4	.46
40	3.327	3.186	25A40	1/2	.24	25B40	1/2	1 3/8	2	3/4	.54
45	3.725	3.584	25A45	1/2	.30	25B45	1/2	1 3/8	2	3/4	.67
48	3.964	3.822	25A48	1/2	.35	25B48	1/2	1 3/8	2	3/4	.78
54	4.442	4.300	25A54	1/2	.45	25B54	1/2	1 3/8	2	3/4	1.00
60	4.920	4.777	25A60	1/2	.55	25B60	1/2	1 3/8	2	3/4	1.10
72	5.876	5.731	25A72	1/2	.80	25B72	1/2	1 3/8	2	3/4	1.30

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

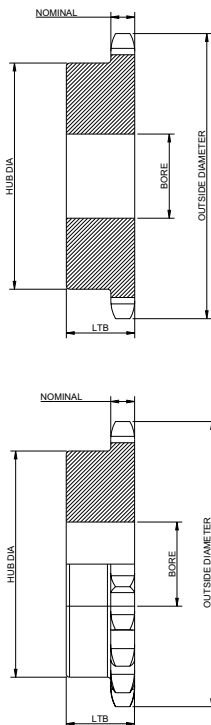
No. 25 1/4" Pitch — Stainless Steel



Pitch	Inner width	Roller- ø
inch	inch	inch
1/4"	1/8"	.130"

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



Single — Type B — Stainless Steel

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
9	.837	.731	25B9SS	1/4	1/4	7/16	1/2	.03
10	.919	.809	25B10SS	1/4	1/4	1/2	1/2	.03
11	1.002	.887	25B11SS	1/4	5/16	9/16	1/2	.04
12	1.083	.966	25B12SS	1/4	3/8	5/8	1/2	.06
13	1.167	1.045	25B13SS	1/4	7/16	23/32	1/2	.07
14	1.246	1.123	25B14SS	1/4	9/16	15/16	1/2	.08
15	1.326	1.203	25B15SS	1/4	9/16	7/8	1/2	.10
16	1.407	1.282	25B16SS	1/4	9/16	31/32	1/2	.12
17	1.487	1.361	25B17SS	1/4	5/8	1 1/32	1/2	.14
18	1.568	1.440	25B18SS	1/4	3/4	1 1/8	1/2	.16
19	1.648	1.519	25B19SS	1/4	13/16	1 7/32	1/2	.19
20	1.729	1.598	25B20SS	1/4	7/8	1 9/32	5/8	.25
21	1.809	1.677	25B21SS	1/4	7/8	1 3/8	5/8	.28
22	1.889	1.757	25B22SS	1/4	15/16	1 7/16	5/8	.31
23	1.969	1.836	25B23SS	1/4	1	1 1/2	5/8	.32
24	2.049	1.915	25B24SS	3/8	1	1 1/2	5/8	.33
25	2.129	1.995	25B25SS	3/8	1	1 1/2	5/8	.34
26	2.209	2.074	25B26SS	3/8	1	1 1/2	5/8	.35
28	2.369	2.233	25B28SS	3/8	1	1 1/2	5/8	.36
30	2.529	2.392	25B30SS	3/8	1	1 1/2	5/8	.38
36	3.008	2.868	25B36SS	3/8	1	1 1/2	3/4	.46
40	3.327	3.186	25B40SS	1/2	1 3/8	2	3/4	.54
45	3.725	3.584	25B45SS	1/2	1 3/8	2	3/4	.67
60	4.920	4.777	25B60SS	1/2	1 3/8	2	3/4	1.10

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

No. 35 $\frac{3}{8}$ " Pitch — Plain Bore



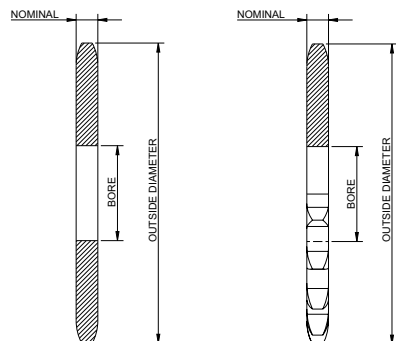
Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{8}$ "	$\frac{3}{16}$ "	.200"

▲ Has recessed groove in hub for chain clearance

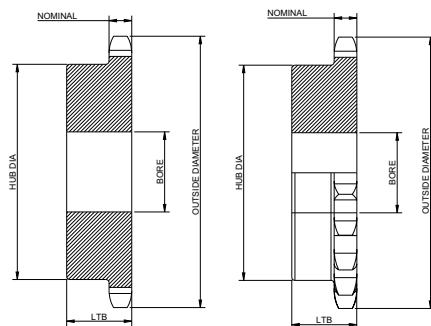
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Type A				Type B Plain bore						Sprocket Diameters	
No. Teeth	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Outside Diameter	Pitch Diameter
8	35A8	$\frac{3}{8}$	.04	35B8	$\frac{3}{8}$	$\frac{3}{8}$	▲ $\frac{3}{4}$	$\frac{3}{4}$	.07	1.130	.980
9	35A9	$\frac{3}{8}$	.04	35B9	$\frac{3}{8}$	$\frac{3}{8}$	▲ $2\frac{7}{32}$	$\frac{3}{4}$	.09	1.260	1.096
10	35A10	$\frac{3}{8}$	.05	35B10	$\frac{3}{8}$	$\frac{9}{16}$	▲ $3\frac{1}{32}$	$\frac{3}{4}$	.14	1.380	1.214
11	35A11	$\frac{3}{8}$	.06	35B11	$\frac{3}{8}$	$\frac{9}{16}$	▲ $1\frac{1}{16}$	$\frac{3}{4}$	.17	1.500	1.331
12	35A12	$\frac{3}{8}$	.07	35B12	$\frac{1}{2}$	$\frac{9}{16}$	▲ $1\frac{7}{32}$	$\frac{3}{4}$	.20	1.630	1.449
13	35A13	$\frac{3}{8}$	.08	35B13	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{1}{4}$	$\frac{3}{4}$	.23	1.750	1.567
14	35A14	$\frac{3}{8}$	.08	35B14	$\frac{1}{2}$	$\frac{7}{8}$	$1\frac{1}{4}$	$\frac{3}{4}$	.25	1.870	1.685
15	35A15	$\frac{1}{2}$	.10	35B15	$\frac{1}{2}$	$\frac{7}{8}$	$1\frac{11}{32}$	$\frac{3}{4}$	.29	1.990	1.804
16	35A16	$\frac{1}{2}$	.12	35B16	$\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{15}{32}$	$\frac{3}{4}$	.35	2.110	1.922
17	35A17	$\frac{1}{2}$	.12	35B17	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{19}{32}$	$\frac{3}{4}$	.42	2.230	2.041
18	35A18	$\frac{1}{2}$	.14	35B18	$\frac{1}{2}$	$1\frac{3}{16}$	$1\frac{27}{32}$	$\frac{3}{4}$	.48	2.350	2.160
19	35A19	$\frac{1}{2}$	.16	35B19	$\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{27}{32}$	$\frac{3}{4}$	.54	2.470	2.278
20	35A20	$\frac{1}{2}$	.20	35B20	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{15}{16}$	$\frac{3}{4}$	.59	2.590	2.397
21	35A21	$\frac{1}{2}$	.20	35B21	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.80	2.710	2.516
22	35A22	$\frac{1}{2}$	.22	35B22	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.80	2.830	2.635
23	35A23	$\frac{1}{2}$	.24	35B23	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.82	2.950	2.754
24	35A24	$\frac{1}{2}$	.26	35B24	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.88	3.073	2.873
25	35A25	$\frac{1}{2}$	.28	35B25	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.88	3.190	2.992
26	35A26	$\frac{1}{2}$	.28	35B26	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.90	3.310	3.111
27	35A27	$\frac{1}{2}$	.34	35B27	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.94	3.434	3.230
28	35A28	$\frac{1}{2}$	.39	35B28	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	.94	3.550	3.349
30	35A30	$\frac{1}{2}$	.45	35B30	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	1.02	3.790	3.588
32	35A32	$\frac{5}{8}$	.51	35B32	$\frac{1}{2}$	$1\frac{3}{8}$	2	$\frac{7}{8}$	1.10	4.030	3.826
35	35A35	$\frac{5}{8}$	.60	35B35	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{7}{8}$	1.36	4.390	4.183
36	35A36	$\frac{5}{8}$	.62	35B36	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$\frac{7}{8}$	1.40	4.510	4.303
40	35A40	$1\frac{9}{32}$	.70	35B40	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.62	4.990	4.780
42	35A42	$1\frac{9}{32}$	.78	35B42	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.68	5.230	5.018
45	35A45	$1\frac{9}{32}$	.88	35B45	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.78	5.588	5.376
48	35A48	$1\frac{9}{32}$	1.21	35B48	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	1.88	5.950	5.734
54	35A54	$1\frac{9}{32}$	1.32	35B54	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	2.20	6.660	6.449
60	35A60	$2\frac{3}{32}$	1.66	35B60	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	2.48	7.380	7.165
70	35A70	$2\frac{3}{32}$	2.30	35B70	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	3.12	8.575	8.358
72	35A72	$2\frac{3}{32}$	2.56	35B72	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	3.42	8.814	8.597
80	35A80	$2\frac{3}{32}$	3.16	35B80	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	3.82	9.770	9.552
84	35A84	$2\frac{3}{32}$	3.26	35B84	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	4.24	10.247	10.029
96	35A96	$2\frac{3}{32}$	4.64	35B96	$\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	1	5.16	11.680	11.461
112	35A112	$2\frac{3}{32}$	5.05							13.590	13.371

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

No. 35 $\frac{3}{8}$ " Pitch — Finished Bore



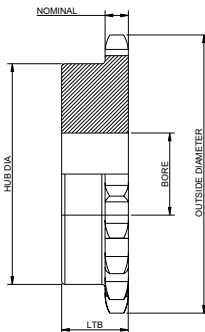
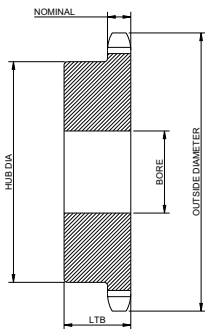
Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{8}$ "	$\frac{3}{16}$ "	.200"

Hub diameter may vary to suit bore sizes

- Indicates set screw at 90° and 180° from keyway
- Furnished without keyway

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE F



Type B Bored to Size

No. Teeth	Catalog Number	Available Bores (includes Standard KW & SS)								Sprocket Diameters	
										$\frac{3}{8}$ " Pitch	
										Outside Diameter	Pitch Diameter
9	35BS9	■ $\frac{3}{8}$								1.260	1.096
10	35BS10	■ $\frac{3}{8}$	$\frac{1}{2}$	• $\frac{5}{8}$						1.380	1.214
11	35BS11	■ $\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	• $\frac{3}{4}$					1.500	1.331
12	35BS12		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$					1.630	1.449
13	35BS13		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$					1.750	1.567
14	35BS14		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$					1.870	1.685
15	35BS15		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		• 1			1.990	1.804
16	35BS16		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		• 1			2.110	1.922
17	35BS17		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			2.230	2.041
18	35BS18		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			2.350	2.160
19	35BS19		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			2.470	2.278
20	35BS20		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			2.590	2.397
21	35BS21		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			2.710	2.516
22	35BS22		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			2.830	2.635
23	35BS23		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			2.950	2.754
24	35BS24		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			3.073	2.873
25	35BS25		$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$		1			3.190	2.992
26	35BS26			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	3.310	3.111
28	35BS28			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	3.550	3.349
30	35BS30			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	3.790	3.588
32	35BS32			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	4.030	3.826
35	35BS35			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	4.390	4.183
36	35BS36			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	4.510	4.303
40	35BS40			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	4.990	4.780
42	35BS42			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	5.230	5.018
45	35BS45			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	5.588	5.376
48	35BS48			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	5.950	5.734
54	35BS54			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	6.660	6.449
60	35BS60			$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	7.380	7.165

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

No. 35 $\frac{3}{8}$ " Pitch — Stainless Steel



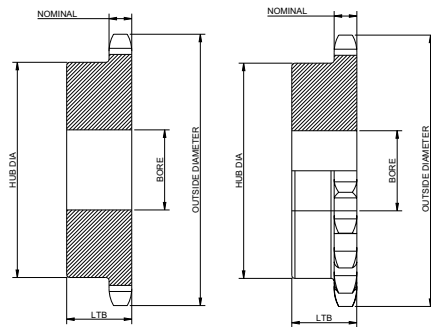
Single — Type B — Stainless Steel

Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{8}$ "	$\frac{3}{16}$ "	.200"

▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
9	1.260	1.096	35B9SS	$\frac{3}{8}$	$\frac{3}{8}$	$\Delta \frac{27}{32}$	$\frac{3}{4}$	.09
10	1.380	1.214	35B10SS	$\frac{3}{8}$	$\frac{9}{16}$	$\Delta \frac{31}{32}$	$\frac{3}{4}$	.14
11	1.500	1.331	35B11SS	$\frac{3}{8}$	$\frac{9}{16}$	$\Delta 1 \frac{1}{16}$	$\frac{3}{4}$	.17
12	1.630	1.449	35B12SS	$\frac{1}{2}$	$\frac{9}{16}$	$\Delta 1 \frac{7}{32}$	$\frac{3}{4}$	.20
13	1.750	1.567	35B13SS	$\frac{1}{2}$	$\frac{9}{16}$	$1 \frac{1}{4}$	$\frac{3}{4}$	.23
14	1.870	1.685	35B14SS	$\frac{1}{2}$	$\frac{7}{8}$	$1 \frac{1}{4}$	$\frac{3}{4}$	.25
15	1.990	1.804	35B15SS	$\frac{1}{2}$	$\frac{7}{8}$	$1 \frac{11}{32}$	$\frac{3}{4}$	.29
16	2.110	1.922	35B16SS	$\frac{1}{2}$	$\frac{15}{16}$	$1 \frac{15}{32}$	$\frac{3}{4}$	.35
17	2.230	2.041	35B17SS	$\frac{1}{2}$	$1 \frac{1}{16}$	$1 \frac{19}{32}$	$\frac{3}{4}$	.42
18	2.350	2.160	35B18SS	$\frac{1}{2}$	$1 \frac{3}{16}$	$1 \frac{23}{32}$	$\frac{3}{4}$	.48
19	2.470	2.278	35B19SS	$\frac{1}{2}$	$1 \frac{1}{4}$	$1 \frac{27}{32}$	$\frac{3}{4}$	.54
20	2.590	2.397	35B20SS	$\frac{1}{2}$	$1 \frac{5}{16}$	$1 \frac{15}{16}$	$\frac{3}{4}$	.59
21	2.710	2.516	35B21SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	.80
22	2.830	2.635	35B22SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	.80
23	2.950	2.754	35B23SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	.82
24	3.070	2.873	35B24SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	.88
25	3.190	2.992	35B25SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	.88
26	3.310	3.111	35B26SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	.90
28	3.550	3.349	35B28SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	.94
30	3.790	3.588	35B30SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	1.02
32	4.030	3.826	35B32SS	$\frac{1}{2}$	$1 \frac{3}{8}$	2	$\frac{7}{8}$	1.10
35	4.390	4.183	35B35SS	$\frac{1}{2}$	$1 \frac{1}{2}$	$2 \frac{1}{4}$	$\frac{7}{8}$	1.36
40	4.990	4.780	35B40SS	$\frac{1}{2}$	$1 \frac{1}{2}$	$2 \frac{1}{4}$	1	1.62
45	5.590	5.376	35B45SS	$\frac{1}{2}$	$1 \frac{1}{2}$	$2 \frac{1}{4}$	1	1.78
60	7.380	7.165	35B60SS	$\frac{1}{2}$	$1 \frac{1}{2}$	$2 \frac{1}{4}$	1	2.48

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

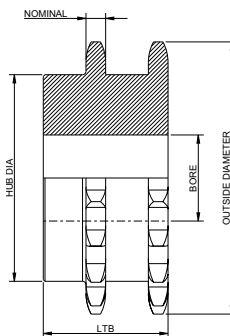
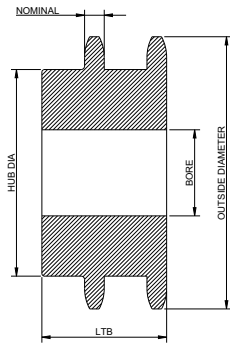
No. 35 $\frac{3}{8}$ " Pitch — Multiple Strand



Pitch	Inner width	Roller- Ø
inch	inch	inch
$\frac{3}{8}$ "	$\frac{3}{16}$ "	.200"

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

Sprockets supplied without keyway and setscrews unless specifically requested.



Basic Sprocket Dimensions				35-2 Double Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
13	1.750	1.567	$\frac{1}{2}$	D35B13	1 $\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{11}{16}$	.36
14	1.870	1.685	$\frac{1}{2}$	D35B14	1 $\frac{1}{4}$	1 $\frac{1}{4}$	$\frac{7}{8}$	.44
15	1.990	1.804	$\frac{1}{2}$	D35B15	1 $\frac{11}{32}$	1 $\frac{1}{4}$	$\frac{7}{8}$	.56
16	2.110	1.922	$\frac{1}{2}$	D35B16	1 $\frac{15}{32}$	1 $\frac{1}{4}$	$\frac{15}{16}$	.64
17	2.230	2.041	$\frac{1}{2}$	D35B17	1 $\frac{19}{32}$	1 $\frac{1}{4}$	1 $\frac{1}{16}$	.74
18	2.350	2.160	$\frac{1}{2}$	D35B18	1 $\frac{23}{32}$	1 $\frac{1}{4}$	1 $\frac{3}{16}$	.84
19	2.470	2.278	$\frac{1}{2}$	D35B19	1 $\frac{27}{32}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	.96
20	2.590	2.397	$\frac{1}{2}$	D35B20	1 $\frac{15}{16}$	1 $\frac{3}{8}$	1 $\frac{5}{16}$	1.08
21	2.710	2.516	$\frac{1}{2}$	D35B21	2	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1.24
22	2.830	2.635	$\frac{1}{2}$	D35B22	2	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1.42
23	2.950	2.754	$\frac{1}{2}$	D35B23	2	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1.54
24	3.070	2.873	$\frac{1}{2}$	D35B24	2	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1.62
25	3.190	2.992	$\frac{1}{2}$	D35B25	2	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1.66
26	3.310	3.111	$\frac{1}{2}$	D35B26	2	1 $\frac{3}{8}$	1 $\frac{3}{8}$	1.98
30	3.790	3.588	$\frac{1}{2}$	D35B30	2	1 $\frac{3}{8}$	1 $\frac{3}{8}$	2.34
36	4.510	4.303	$\frac{5}{8}$	D35B36	2 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	3.00
42	5.230	5.018	$\frac{5}{8}$	D35B42	2 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	4.30
48	5.950	5.734	$\frac{5}{8}$	D35B48	2 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	5.40
60	7.380	7.165	$\frac{5}{8}$	D35B60	2 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	8.00

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

No. 35 $\frac{3}{8}$ " Pitch — Tapered Bushing



Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{8}$ "	$\frac{3}{16}$ "	.200"

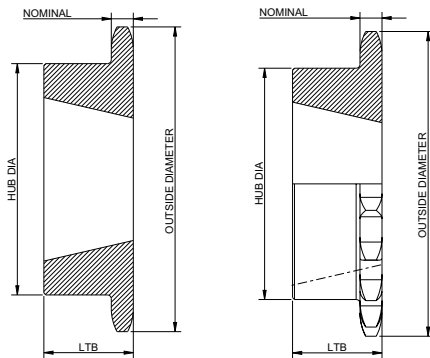
▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

Type B Tapered Bushing									Tapered Bushing		
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.	Bushing	Bore Range	Wt. Lbs.
18	2.352	2.160	35BTL18	1008	1	$\Delta 1 \frac{7}{8}$	$\frac{7}{8}$	.40	1008	$\frac{1}{2} - 1$	.30
19	2.472	2.278	35BTL19	1008	1	$1 \frac{13}{16}$	$\frac{7}{8}$	.50	1210	$\frac{1}{2} - 1 \frac{1}{4}$	.60
20	2.593	2.397	35BTL20	1008	1	$1 \frac{15}{16}$	$\frac{7}{8}$	.60			
21	2.713	2.516	35BTL21	1008	1	$2 \frac{1}{16}$	$\frac{7}{8}$	.70			
22	2.883	2.635	35BTL22	1210	$1 \frac{1}{4}$	$2 \frac{3}{8}$	1	.80			

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

TYPE B



No. 35 $\frac{3}{8}$ " Pitch — QD®



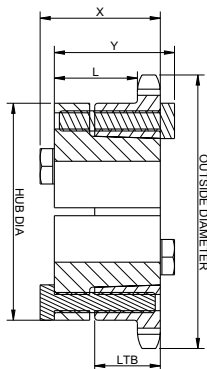
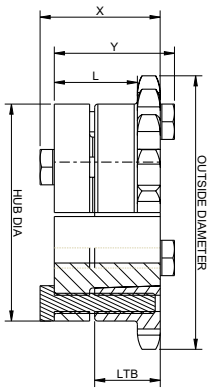
35 QD® $\frac{3}{8}$ " Pitch

Pitch	Inner width	Roller- Ø
inch	inch	inch
$\frac{3}{8}$ "	$\frac{3}{16}$ "	.200"

QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Type	Dia.	LTB	X	Y	L	Wt. Lbs.
19	2.472	2.278	35JA19	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.18
20	2.593	2.397	35JA20	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.22
21	2.713	2.516	35JA21	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.24
24	3.074	2.873	35JA24	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.30
25	3.194	2.992	35JA25	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.34
26	3.314	3.111	35JA26	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.36
27	3.434	3.230	35JA27	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.38
28	3.553	3.349	35JA28	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.42
30	3.793	3.588	35JA30	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{53}{64}$	1.46
40	4.990	4.780	35SH40	SH	1 $\frac{5}{8}$	B	2 $\frac{11}{16}$	$\frac{13}{16}$	1 $\frac{7}{16}$	1 $\frac{7}{16}$	1 $\frac{5}{64}$	2.18
48	5.946	5.734	35SH48	SH	1 $\frac{5}{8}$	B	2 $\frac{11}{16}$	$\frac{13}{16}$	1 $\frac{7}{16}$	1 $\frac{7}{16}$	1 $\frac{5}{64}$	2.58

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
JA	$\frac{1}{2} - 1$	1 $\frac{1}{16} - 1 \frac{3}{16}$	1 $\frac{1}{4}$	.80
SH	$\frac{1}{2} - 1 \frac{3}{8}$	1 $\frac{7}{16} - 1 \frac{9}{16}$	1 $\frac{5}{8}$	.70

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

No. 40 1/2" Pitch — Plain Bore



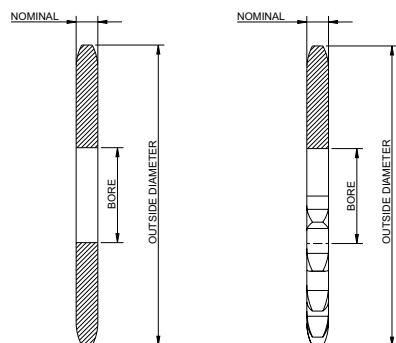
Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	5/16"	.312"

▲ Has recessed groove in hub for chain clearance

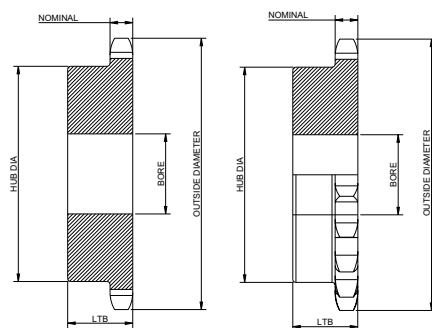
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Type A				Type B Plain Bore				Sprocket Diameters			
No. Teeth	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Outside Diameter	Pitch Diameter
8	40A8	13/32	.07	40B8	1/2	1/2	▲ 31/32	7/8	.18	1.500	1.307
9	40A9	13/32	.09	40B9	1/2	9/16	▲ 1 1/16	7/8	.20	1.674	1.462
10	40A10	1/2	.11	40B10	1/2	3/4	▲ 1 1/4	7/8	.27	1.839	1.618
11	40A11	1/2	.19	40B11	1/2	7/8	▲ 1 3/8	7/8	.35	2.003	1.775
12	40A12	1/2	.18	40B12	1/2	1	▲ 1 9/16	7/8	.45	2.166	1.932
13	40A13	1/2	.22	40B13	1/2	1 1/16	1 9/16	7/8	.50	2.328	2.089
14	40A14	1/2	.26	40B14	1/2	1 1/8	1 11/16	7/8	.59	2.490	2.247
15	40A15	5/8	.30	40B15	1/2	1 1/4	1 13/16	7/8	.70	2.652	2.405
16	40A16	5/8	.34	40B16	5/8	1 3/8	2	7/8	.79	2.814	2.563
17	40A17	5/8	.36	40B17	5/8	1 7/16	2 1/8	1	1.04	2.974	2.721
18	40A18	5/8	.44	40B18	5/8	1 1/2	2 5/16	1	1.22	3.136	2.879
19	40A19	5/8	.46	40B19	5/8	1 3/4	2 1/2	1	1.43	3.292	3.038
20	40A20	5/8	.56	40B20	5/8	1 7/8	2 5/8	1	1.56	3.457	3.196
21	40A21	5/8	.58	40B21	5/8	1 7/8	2 3/4	1	1.73	3.618	3.355
22	40A22	5/8	.66	40B22	5/8	1 7/8	2 7/8	1	1.96	3.778	3.513
23	40A23	5/8	.72	40B23	5/8	2	3	1	2.13	3.938	3.672
24	40A24	5/8	.82	40B24	5/8	2 1/4	3 3/4	1	2.41	4.098	3.831
25	40A25	5/8	.88	40B25	5/8	2 1/4	3 3/4	1	2.54	4.258	3.989
26	40A26	5/8	.94	40B26	5/8	2 1/4	3 3/4	1	2.58	4.418	4.148
27	40A27	5/8	.98	40B27	5/8	2 1/4	3 3/4	1	2.66	4.578	4.307
28	40A28	5/8	1.10	40B28	5/8	2 1/4	3 3/4	1	2.73	4.738	4.465
29	40A29	5/8	1.22	40B29	5/8	2 1/4	3 3/4	1	2.80	4.898	4.625
30	40A30	19/32	1.26	40B30	5/8	2 1/4	3 3/4	1	2.98	5.057	4.783
31	40A31	19/32	1.40	40B31	5/8	2 1/4	3 3/4	1	3.10	5.217	4.942
32	40A32	19/32	1.48	40B32	5/8	2 1/4	3 3/4	1	3.16	5.376	5.101
33	40A33	19/32	1.56	40B33	5/8	2 1/4	3 3/4	1	3.22	5.536	5.260
34	40A34	19/32	1.64	40B34	5/8	2 1/4	3 3/4	1	3.30	5.696	5.412
35	40A35	19/32	1.70	40B35	5/8	2 1/4	3 3/4	1	3.46	5.856	5.578
36	40A36	19/32	1.84	40B36	5/8	2 1/4	3 3/4	1	3.58	6.015	5.737
38	40A38	19/32	2.00	40B38	5/8	2 1/4	3 3/4	1 1/8	3.70	6.334	6.054
40	40A40	23/32	2.22	40B40	3/4	2 3/8	3 1/2	1 1/8	4.69	6.653	6.373
42	40A42	23/32	2.50	40B42	3/4	2 3/8	3 1/2	1 1/8	4.82	6.972	6.691
44	40A44	23/32	2.85	40B44	3/4	2 3/8	3 1/2	1 1/8	5.15	7.291	7.009
45	40A45	23/32	3.15	40B45	3/4	2 3/8	3 1/2	1 1/8	5.30	7.450	7.168
46	40A46	23/32	3.26	40B46	3/4	2 3/8	3 1/2	1 1/8	5.44	7.609	7.327
47	40A47	23/32	3.32	40B47	3/4	2 3/8	3 1/2	1 1/8	5.59	7.769	7.486
48	40A48	23/32	3.42	40B48	3/4	2 3/8	3 1/2	1 1/8	5.74	7.928	7.645
50	40A50	23/32	3.62	40B50	3/4	2 3/8	3 1/2	1 1/8	5.96	8.248	7.963
54	40A54	23/32	4.44	40B54	3/4	2 3/8	3 1/2	1 1/8	6.42	8.884	8.599
60	40A60	23/32	5.48	40B60	3/4	2 3/8	3 1/2	1 1/8	7.86	9.840	9.554
70	40A70	23/32	7.24	40B70	3/4	2 3/4	4	1 1/4	11.00	11.433	11.145
72	40A72	23/32	7.74	40B72	3/4	2 3/4	4	1 1/4	11.50	11.752	11.463
80	40A80	23/32	9.30	40B80	3/4	2 3/4	4	1 1/4	13.40	13.026	12.736
84	40A84	23/32	10.20	40B84	3/4	2 3/4	4	1 1/4	14.04	13.663	13.372
96	40A96	15/16	12.15	40B96	1	2 3/4	4	1 1/4	17.56	15.573	15.282
112	40A112	15/16	20.00	40B112	1	2 3/4	4	1 1/4	22.56	18.121	17.827

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

No. 40 1/2" Pitch — Finished Bore

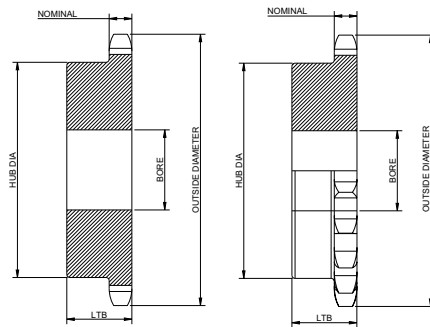


Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	5/16"	.312"

• Indicates no keyway, set screws only

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



Type B Bored to Size

No. Teeth	Catalog Number	Available Bores (Includes Standard KW & SS)										Sprocket Diameters	
												1/2" Pitch	
												Outside Diameter	Pitch Diameter
9	40BS9	• 1/2	5/8									1.674	1.462
10	40BS10	• 1/2	5/8	3/4								1.839	1.618
11	40BS11	• 1/2	5/8	3/4	7/8							2.003	1.775
12	40BS12	• 1/2	5/8	3/4	7/8	1						2.166	1.932
13	40BS13	• 1/2	5/8	3/4	7/8	1						2.328	2.089
14	40BS14	• 1/2	5/8	3/4	7/8	1	1 1/8					2.490	2.247
15	40BS15	• 1/2	5/8	3/4	7/8	1	1 1/8					2.652	2.405
16	40BS16		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4			2.814	2.563
17	40BS17		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4			2.974	2.721
18	40BS18		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	3.136	2.879
19	40BS19		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	3.292	3.038
20	40BS20		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	3.457	3.196
21	40BS21		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	3.618	3.355
22	40BS22		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	3.778	3.513
23	40BS23		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	3.938	3.672
24	40BS24		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	4.098	3.831
25	40BS25		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	4.258	3.989
26	40BS26		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	4.418	4.148
27	40BS27		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	4.578	4.307
28	40BS28		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	4.738	4.465
30	40BS30		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	5.057	4.783
32	40BS32		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	5.376	5.101
34	40BS34		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	5.696	5.412
35	40BS35		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	5.856	5.578
36	40BS36		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	6.015	5.737
38	40BS38		5/8	3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	6.334	6.054
40	40BS40			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	6.653	6.373
42	40BS42			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	6.972	6.691
45	40BS45			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	7.450	7.168
48	40BS48			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	7.928	7.645
49	40BS49			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	8.088	7.804
50	40BS50			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	8.248	7.963
54	40BS54			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	8.884	8.599
60	40BS60			3/4	7/8	1	1 1/8	1 3/16	1 1/4	1 7/16	1 1/2	9.840	9.554

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

No. 40 1/2" Pitch — Stainless Steel

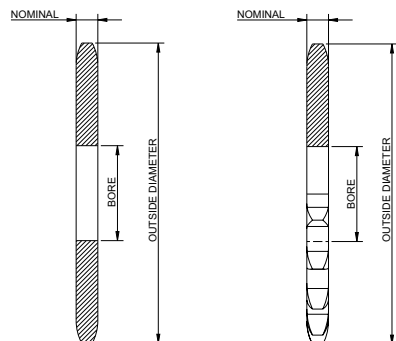


Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	5/16"	.312"

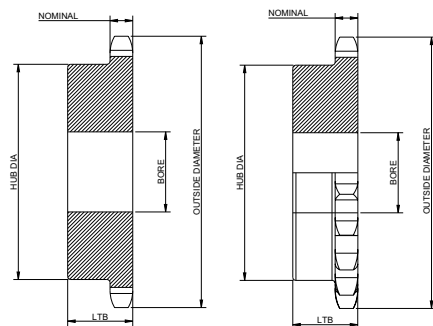
▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Single — Type B — Stainless Steel

Single — Type A

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	Stock Bore	Wt. Lbs.
10	1.840	1.618	40B10SS	1/2	3/4	▲ 1 1/4	7/8	.21			
11	2.000	1.775	40B11SS	1/2	7/8	▲ 1 3/8	7/8	.35			
12	2.170	1.932	40B12SS	1/2	1	▲ 1 9/16	7/8	.45			
13	2.330	2.089	40B13SS	1/2	1 1/16	1 9/16	7/8	.50			
14	2.490	2.247	40B14SS	1/2	1 1/8	1 11/16	7/8	.59			
15	2.650	2.405	40B15SS	1/2	1 1/4	1 13/16	7/8	.70			
16	2.810	2.563	40B16SS	5/8	1 3/8	2	7/8	.79			
17	2.980	2.721	40B17SS	5/8	1 7/16	2 1/8	1	1.04			
18	3.140	2.879	40B18SS	5/8	1 1/2	2 3/16	1	1.22			
19	3.300	3.038	40B19SS	5/8	1 3/4	2 1/2	1	1.43			
20	3.460	3.196	40B20SS	5/8	1 7/8	2 5/8	1	1.56			
21	3.620	3.355	40B21SS	5/8	1 7/8	2 3/4	1	1.73			
22	3.780	3.513	40B22SS	5/8	1 7/8	2 7/8	1	1.96			
23	3.940	3.672	40B23SS	5/8	2	3	1	2.13			
24	4.100	3.831	40B24SS	5/8	2 1/4	3 1/4	1	2.41	40A24SS	5/8	.82
25	4.260	3.989	40B25SS	5/8	2 1/4	3 1/4	1	2.54	40A25SS	5/8	.88
26	4.420	4.148	40B26SS	5/8	2 1/4	3 1/4	1	2.58	40A26SS	5/8	.94
28	4.740	4.465	40B28SS	5/8	2 1/4	3 1/4	1	2.73	40A28SS	5/8	1.10
30	5.060	4.783	40B30SS	5/8	2 1/4	3 1/4	1	2.98	40A30SS	19/32	1.26
35	5.860	5.578	40B35SS	5/8	2 1/4	3 1/4	1	3.46	40A35SS	19/32	1.70
40	6.650	6.373	40B40SS	3/4	2 3/8	3 1/2	1 1/8	4.69	40A40SS	23/32	2.22
45	7.450	7.168	40B45SS	3/4	2 3/8	3 1/2	1 1/8	5.30	40A45SS	23/32	3.15
60	9.840	9.554	40B60SS	3/4	2 3/8	3 1/2	1 1/8	7.86	40A60SS	23/32	5.48

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

No. 40 1/2" Pitch — Multiple Strand

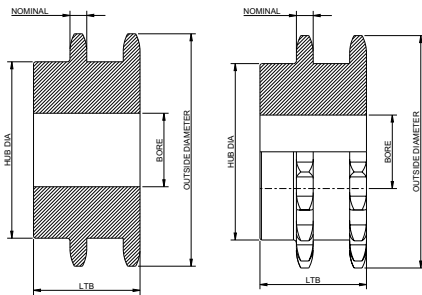


Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	5/16"	.312"

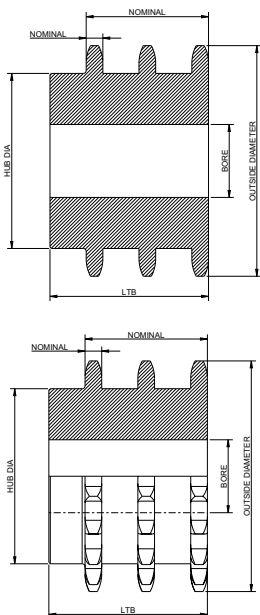
† Dimensions shown allow for standard keyway with set screw at 90°
▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B – Double Strand



TYPE B – Triple Strand



Basic Sprocket Dimensions				40-2 Double Strand					40-3 Triple Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	2.000	1.775	½	D40B11	1 7⁄16	1 ½	¾	.62	T40B11	1 7⁄16	2 ⅝	¾	.80
12	2.170	1.932	½	D40B12	1 9⁄16	1 ½	15⁄16	.76	T40B12	1 9⁄16	2 ⅝	15⁄16	1.10
13	2.330	2.089	½	D40B13	1 ½	1 ½	1	.86	T40B13	1 ½	2 ⅝	1	1.24
14	2.490	2.247	½	D40B14	1 11⁄16	1 ½	1 ⅞	1.08	T40B14	1 11⁄16	2 ⅝	1 ⅞	1.50
15	2.650	2.405	½	D40B15	1 13⁄16	1 ½	1 ¾	1.24	T40B15	1 13⁄16	2 ⅝	1 ¾	1.76
16	2.810	2.563	⅝	D40B16	2	1 ½	1 ⅜	1.42	T40B16	2	2 ⅝	1 ⅜	2.04
17	2.980	2.721	⅝	D40B17	2 ⅛	1 ½	1 7⁄16	1.64	T40B17	2 ⅛	2 ⅝	1 7⁄16	2.34
18	3.140	2.879	⅝	D40B18	2 5⁄16	1 ½	1 ½	1.92	T40B18	2 5⁄16	2 ⅝	1 ½	2.72
19	3.300	3.038	⅝	D40B19	2 ½	1 ½	1 ¾	2.22	T40B19	2 ½	2 ⅝	1 ¾	3.10
20	3.460	3.196	⅝	D40B20	2 ⅝	1 ⅝	1 7⁄8	2.64	T40B20	2 ⅝	2 ¾	1 7⁄8	3.72
21	3.620	3.355	⅝	D40B21	2 ¾	1 ⅝	1 7⁄8	2.94	T40B21	2 ¾	2 ¾	1 7⁄8	4.06
22	3.720	3.513	⅝	D40B22	2 7⁄8	1 ⅝	1 7⁄8	3.18	T40B22	2 7⁄8	2 ¾	1 7⁄8	4.52
23	3.940	3.672	⅝	D40B23	3	1 ⅝	2	3.52	T40B23	3	2 ¾	2	4.96
24	4.100	3.831	⅝	D40B24	3 ¼	1 ⅝	2 ¼	4.04	T40B24	3 ¼	2 ¾	2 ¼	5.64
25	4.260	3.989	⅝	D40B25	3 ¼	1 ⅝	2 ¼	4.26	T40B25	3 ¼	2 ¾	2 ¼	6.02
26	4.420	4.148	⅝	D40B26	3 ¼	1 ⅝	2 ¼	4.48	T40B26	3 ¼	2 ¾	2 ¼	6.36
30	5.060	4.783	7⁄8	D40B30	3 ¼	1 ⅝	2 ¼	5.34	T40B30	3 ¼	2 ¾	2 ¼	7.84
35	5.860	5.578	7⁄8	D40B35	3 ¼	1 ⅝	2 ¼	6.80	T40B35	3 ¼	2 ¾	2 ¼	10.30
36	6.020	5.737	15⁄16	D40B36	3 ¼	1 ⅝	2 ½	7.20	T40B36	3 ¾	2 ⅝	2 ½	11.72
40	6.650	6.373	15⁄16	D40B40	3 ¼	1 ¾	2 ½	9.40					
45	7.450	7.168	15⁄16	D40B45	3 ¾	1 ¾	2 ½	11.36					
48	7.930	7.645	15⁄16	D40B48	3 ¾	1 ¾	2 ½	12.66					
54	8.890	8.599	15⁄16	D40B54	3 ¾	1 ¾	2 ½	15.48					
60	9.840	9.554	15⁄16	D40B60	3 ¾	1 ¾	2 ½	18.60					

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

No. 40 1/2" Pitch — Tapered Bushing

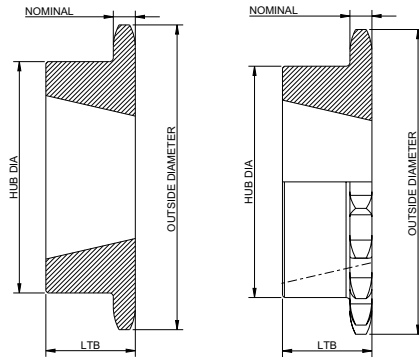


Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	5/16"	.312"

▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



Type B Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
14	2.491	2.247	40BTL14	1008	1	▲ 1 13/16	7/8	.30
15	2.652	2.405	40BTL15	1008	1	1 13/16	7/8	.40
16	2.814	2.563	40BTL16	1008	1	1 15/16	7/8	.50
17	2.975	2.721	40BTL17	1210	1 1/4	▲ 2 3/8	1	.50
18	3.135	2.879	40BTL18	1210	1 1/4	▲ 2 15/32	1	.60
19	3.296	3.038	40BTL19	1210	1 1/4	2 15/32	1	.70
20	3.457	3.196	40BTL20	1610	1 5/8	▲ 2 25/32	1	.70
21	3.617	3.355	40BTL21	1610	1 5/8	2 25/32	1	.80
22	3.778	3.513	40BTL22	1610	1 5/8	2 25/32	1	.90
23	3.938	3.672	40BTL23	1610	1 5/8	3	1	1.00
24	4.098	3.831	40BTL24	1610	1 5/8	3 1/4	1	1.40
25	4.258	3.989	40BTL25	1610	1 5/8	3 1/4	1	1.50
26	4.418	4.148	40BTL26	1610	1 5/8	3 1/4	1	1.70
28	4.738	4.465	40BTL28	1610	1 5/8	3	1	1.80
30	5.057	4.783	40BTL30	1610	1 5/8	3	1	1.90
32	5.377	5.101	40BTL32	1610	1 5/8	3	1	1.90
35	5.855	5.578	40BTL35	1610	1 5/8	3	1	2.30
36	6.015	5.737	40BTL36	1610	1 5/8	3	1	2.40
40	6.653	6.373	40BTL40	1610	1 5/8	3	1	2.80
42	6.972	6.691	40BTL42	1610	1 5/8	3	1	2.90
45	7.451	7.168	40BTL45	1610	1 5/8	3	1	3.50
48	7.928	7.645	40BTL48	1610	1 5/8	3	1	4.00
54	8.885	8.599	40BTL54	1610	1 5/8	3	1	4.90
60	9.841	9.554	40BTL60	1610	1 5/8	3	1	6.00
70	11.434	11.145	40BTL70	2012	2	3 9/16	1 1/4	8.20
72	11.752	11.463	40BTL72	2012	2	3 9/16	1 1/4	9.00
80	13.026	12.736	40BTL80	2012	2	3 9/16	1 1/4	10.80
84	13.663	13.372	40BTL84	2012	2	3 9/16	1 1/4	11.30
96	15.573	15.282	40BTL96	2012	2	3 9/16	1 1/4	14.60
112	18.122	17.827	40BTL112	2517	2 1/2	4 1/4	1 3/4	20.50

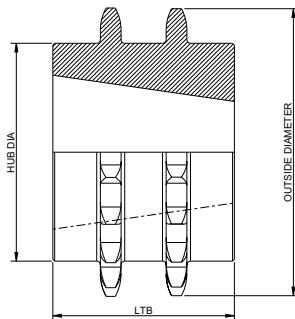
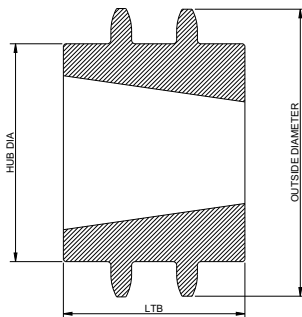
Some sizes are Made-To-Order, consult iwis for availability.

No. 40 1/2" Pitch — Tapered Bushing



Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	5/16"	.312"

Sprockets supplied without keyway and setscrews unless specifically requested.



Double Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
15	2.652	2.405	D40ATL15	1008	1	1 17/64	7/8	.50
16	2.814	2.563	D40ATL16	1008	1	1 17/64	7/8	.60
17	2.975	2.721	D40ATL17	1008	1	1 17/64	7/8	.70
18	3.135	2.879	D40BTL18	1210	1 1/4	2 3/16	1	.70
19	3.296	3.038	D40BTL19	1210	1 1/4	2 1/2	1	.90
20	3.457	3.196	D40BTL20	1610	1 5/8	2 5/8	1	.90
21	3.617	3.355	D40BTL21	1610	1 5/8	2 3/4	1	1.00
23	3.938	3.672	D40BTL23	1610	1 5/8	3	1	1.30
25	4.258	3.989	D40BTL25	2012	2	3 13/32	1 1/4	1.60
30	5.057	4.783	D40BTL30	2012	2	4 15/64	1 1/4	3.40
36	6.015	5.737	D40BTL36	2012	2	5 5/32	1 1/4	5.90
42	6.972	6.691	D40CTL42	2517	2 1/2	4 1/4	1 3/4	7.00
48	7.928	7.645	D40CTL48	2517	2 1/2	4 1/4	1 3/4	9.60

Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
1008	1/2 — 1	.30
1210	1/2 — 1 1/4	.60
1610	1/2 — 1 5/8	.90
2012	1/2 — 2	1.70
2517	1/2 — 2 1/2	3.50

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

No. 40 1/2" Pitch — QD®



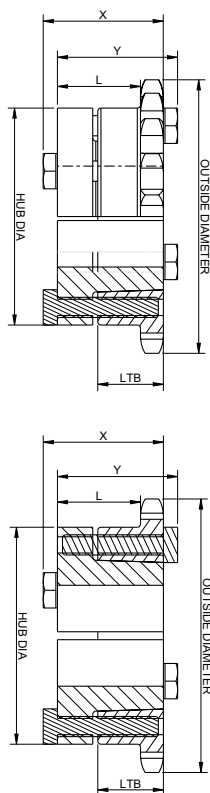
40 QD® 1/2" Pitch

Pitch	Inner width	Roller- Ø
inch	inch	inch
1/2"	5/16"	.312"

QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
15	2.650	2.405	40JA15	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	23/32	.34
16	2.810	2.563	40JA16	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	23/32	.40
17	2.980	2.721	40JA17	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	23/32	.48
18	3.140	2.879	40JA18	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	23/32	.54
19	3.300	3.038	40JA19	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	23/32	.60
20	3.460	3.196	40SH20	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	.76
21	3.620	3.355	40SH21	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	.84
22	3.780	3.513	40SH22	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	.92
23	3.940	3.672	40SH23	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.14
24	4.100	3.831	40SH24	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.22
25	4.260	3.989	40SH25	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.30
26	4.420	4.148	40SH26	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.44
27	4.580	4.307	40SH27	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.46
28	4.740	4.465	40SH28	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.54
30	5.060	4.783	40SH30	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.72
32	5.380	5.101	40SH32	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	1.90
35	5.860	5.578	40SH35	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	31/32	2.22
36	6.020	5.737	40SDS36	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	1 1/32	2.20
40	6.650	6.373	40SDS40	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	1 1/32	2.72
42	6.970	6.691	40SDS42	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	1 1/32	2.92
45	7.450	7.168	40SDS45	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	1 1/32	3.32
48	7.930	7.645	40SDS48	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	1 1/32	3.70
54	8.890	8.599	40SDS54	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	1 1/32	4.78
60	9.840	9.554	40SDS60	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	1 1/32	5.86
70	11.430	11.145	40SK70	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 19/32	8.68
72	11.750	11.463	40SK72	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 19/32	8.84
80	13.030	12.736	40SK80	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 19/32	11.20
84	13.660	13.372	40SK84	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 19/32	11.56
96	15.570	15.282	40SK96	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 19/32	15.76
112	18.120	17.827	40SK112	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 19/32	20.28

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
JA	1/2 — 1	1/16 — 1 3/16	1 1/4	.80
SH	1/2 — 1 3/8	7/16 — 1 5/8	1 11/16	.70
SDS	1/2 — 1 11/16	3/4 — 1 15/16	2	1.00
SK	1/2 — 2 1/8	2 3/16 — 2 1/2	2 9/16 — 2 5/8	2.10

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

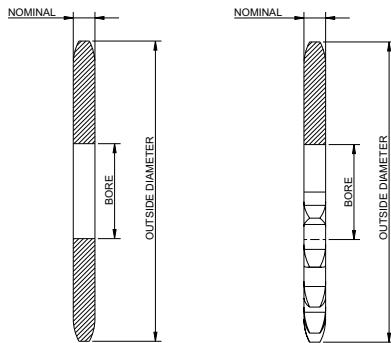
No. 41 1/2" Pitch — Plain Bore



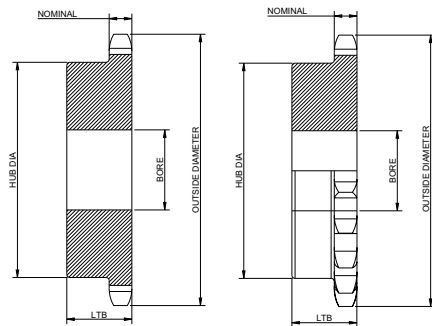
Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	1/4"	.306"

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Type A				Type B Plain bore						Sprocket Diameters	
No. Teeth	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Outside Diameter	Pitch Diameter
6	41A6	3/8		41B6	3/8	3/8	2 1/32	7/8	.07	1.170	1.000
7	41A7	3/8		41B7	3/8	3/8	3/4	7/8	.10	1.340	1.152
8	41A8	13/32		41B8	1/2	1/2	63/64	7/8	.19	1.507	1.307
9	41A9	13/32		41B9	1/2	5/8	1 1/8	7/8	.20	1.670	1.462
10	41A10	1/2		41B10	1/2	3/4	1 1/4	7/8	.27	1.840	1.618
11	41A11	1/2		41B11	1/2	7/8	1 7/16	7/8	.35	2.000	1.775
12	41A12	1/2		41B12	1/2	15/16	1 9/16	7/8	.44	2.170	1.932
13	41A13	1/2		41B13	1/2	1	1 9/16	7/8	.50	2.330	2.089
14	41A14	1/2		41B14	1/2	1 1/4	1 3/4	7/8	.57	2.490	2.247
15	41A15	5/8	.28	41B15	1/2	1 1/16	1 29/32	7/8	.72	2.650	2.405
16	41A16	5/8	.34	41B16	5/8	1 3/8	2 1/16	7/8	.91	2.810	2.563
17	41A17	5/8	.36	41B17	5/8	1 1/2	2 15/64	1	1.09	2.980	2.721
18	41A18	5/8	.44	41B18	5/8	1 5/8	2 3/8	1	1.25	3.140	2.879
19	41A19	5/8	.46	41B19	5/8	1 3/4	2 15/32	1	1.49	3.300	3.038
20	41A20	5/8	.52	41B20	5/8	1 7/8	2 3/4	1	1.64	3.460	3.196
21	41A21	5/8	.60	41B21	5/8	1 7/8	2 7/8	1	1.81	3.620	3.355
22	41A22	5/8	.66	41B22	5/8	2	3	1	1.93	3.780	3.513
23	41A23	5/8	.72	41B23	5/8	2 1/4	3 3/16	1	2.25	3.940	3.672
24	41A24	5/8	.82	41B24	5/8	2 1/4	3 1/4	1	2.33	4.100	3.831
25	41A25	5/8	.88	41B25	5/8	2 1/4	3 1/4	1	2.46	4.260	3.989
26	41A26	5/8	.94	41B26	5/8	2 1/4	3 1/4	1	2.50	4.420	4.148
27	41A27	5/8	1.00	41B27	5/8	2 1/4	3 1/4	1	2.56	4.580	4.307
28	41A28	5/8	1.08	41B28	5/8	2 1/4	3 1/4	1	2.64	4.740	4.465
30	41A30	5/8	1.20	41B30	5/8	2 1/4	3 1/4	1	2.80	5.060	4.783
32	41A32	19/32	1.44	41B32	5/8	2 1/4	3 1/4	1	2.96	5.380	5.101
35	41A35	19/32	1.70	41B35	5/8	2 3/8	3 1/4	1	3.12	5.860	5.578
36	41A36	19/32	1.84	41B36	5/8	2 3/8	3 1/4	1	3.30	6.020	5.737
40	41A40	23/32	2.22	41B40	3/4	2 3/8	3 1/4	1 1/16	4.06	6.650	6.373
42	41A42	23/32	2.32	41B42	3/4	2 3/8	3 1/2	1 1/16	4.10	6.970	6.691
45	41A45	23/32	2.62	41B45	3/4	2 3/8	3 1/2	1 1/16	4.18	7.450	7.168
48	41A48	23/32	2.92	41B48	3/4	2 3/8	3 1/2	1 1/16	4.92	7.930	7.645
54	41A54	23/32	3.54	41B54	3/4	2 3/8	3 1/2	1 1/16	5.68	8.890	8.599
60	41A60	23/32	4.60	41B60	3/4	2 3/8	3 1/2	1 1/16	6.78	9.840	9.554
70	41A70	23/32	6.22	41B70	3/4	2 3/4	4	1 3/16	9.54	11.430	11.145
72	41A72	23/32	6.32	41B72	3/4	2 3/4	4	1 3/16	9.64	11.750	11.463
80	41A80	23/32	8.46	41B80	3/4	2 3/4	4	1 3/16	11.54	13.030	12.736
84	41A84	23/32	9.12	41B84	3/4	2 3/4	4	1 3/16	12.20	13.660	13.372
96	41A96	15/16	11.84	41B96	1	2 3/4	4	1 3/16	14.86	15.570	15.282
112	41A112	15/16	15.84	41B112	1	2 3/4	4	1 3/16	19.16	18.120	17.827

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

No. 41 1/2" Pitch — Finished Bore

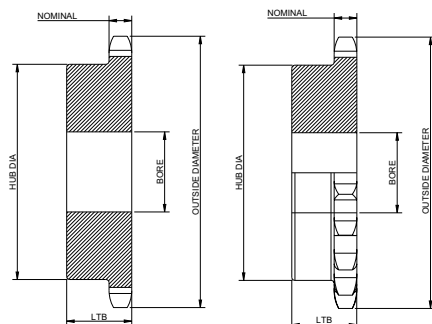


Pitch	Innerwidth	Roller- ø
inch	inch	inch
1/2"	1/4"	.306"

• Indicates setscrews only in 1/2" bore at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



Type B Bored to Size

Type B Bored to Size												Sprocket Diameters	
												½" Pitch	
No. Teeth	Catalog Number	Available Bores (includes Standard KW & SS)										Outside Diameter	Pitch Diameter
9	41BS9	• ½	⅝									1.670	1.462
10	41BS10	• ½	⅝									1.840	1.618
11	41BS11	• ½	⅝	¾								2.000	1.775
12	41BS12	• ½	⅝	¾	⅞							2.170	1.932
13	41BS13	• ½	⅝	¾	⅞	1						2.330	2.089
14	41BS14	• ½	⅝	¾	⅞	1						2.490	2.247
15	41BS15	• ½	⅝	¾		1						2.650	2.405
16	41BS16		⅝	¾		1						2.810	2.563
17	41BS17		⅝	¾		1						2.980	2.721
18	41BS18		⅝	¾		1						3.140	2.879
19	41BS19		⅝	¾		1						3.300	3.038
20	41BS20		⅝	¾		1						3.460	3.196
21	41BS21		⅝	¾		1						3.620	3.355
22	41BS22		⅝	¾		1						3.780	3.513
23	41BS23		⅝	¾		1						3.940	3.672
24	41BS24		⅝	¾		1						4.100	3.831
25	41BS25		⅝	¾		1						4.260	3.989
26	41BS26		⅝	¾		1						4.420	4.148
27	41BS27		⅝	¾		1						4.580	4.307
28	41BS28		⅝	¾		1						4.740	4.465
30	41BS30		⅝	¾		1						5.060	4.783
32	41BS32		⅝	¾		1						5.380	5.101
35	41BS35		⅝	¾		1						5.860	5.578
36	41BS36		⅝	¾		1						6.020	5.737
40	41BS40			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	6.650	6.373
42	41BS42			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	6.970	6.691
45	41BS45			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	7.450	7.168
48	41BS48			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	7.930	7.645
54	41BS54			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	8.890	8.599
60	41BS60			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	9.840	9.554
70	41BS70			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	11.430	11.145
72	41BS72			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	11.750	11.463
80	41BS80			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	13.030	12.736
84	41BS84			¾		1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	13.660	13.372
96	41BS96					1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	15.570	15.282
112	41BS112					1	1 ⅛	1 ⅜	1 ½	1 ⅝	1 ⅞	18.120	17.827

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

No. 41 1/2" Pitch — Tapered Bushing

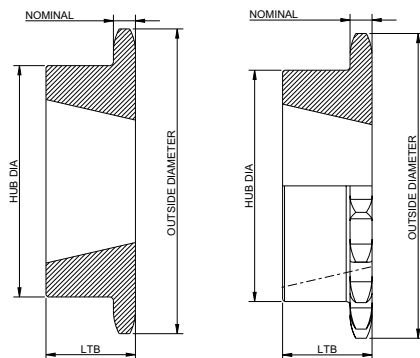


Pitch	Inner width	Roller- ø
inch	inch	inch
1/2"	1/4"	.306"

▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



Type B Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
14	2.491	2.247	41BTL14	1008	1	± 1 7/8	7/8	.4
15	2.652	2.405	41BTL15	1008	1	1 7/8	7/8	.5
16	2.814	2.563	41BTL16	1008	1	2	7/8	.6
17	2.975	2.721	41BTL17	1210	1 1/4	± 2 3/8	1	.7
18	3.135	2.879	41BTL18	1210	1 1/4	2 3/8	1	.9
19	3.296	3.038	41BTL19	1210	1 1/4	2 1/2	1	1.1
20	3.457	3.196	41BTL20	1610	1 5/8	± 2 7/8	1	1.1
21	3.617	3.355	41BTL21	1610	1 5/8	± 3	1	1.2
22	3.778	3.513	41BTL22	1610	1 5/8	3	1	1.3
23	3.938	3.672	41BTL23	1610	1 5/8	3	1	1.4
24	4.098	3.831	41BTL24	1610	1 5/8	3 1/4	1	1.4
25	4.258	3.989	41BTL25	1610	1 5/8	3 1/4	1	1.5
26	4.418	4.148	41BTL26	1610	1 5/8	3 1/4	1	1.5
28	4.738	4.465	41BTL28	1610	1 5/8	3 1/4	1	1.7
30	5.057	4.783	41BTL30	1610	1 5/8	3 1/4	1	1.8
32	5.377	5.101	41BTL32	1610	1 5/8	3 1/4	1	1.9
35	5.855	5.578	41BTL35	1610	1 5/8	3 1/4	1	2.3
36	6.015	5.737	41BTL36	1610	1 5/8	3 1/4	1	2.4
40	6.653	6.373	41BTL40	1610	1 5/8	3 1/4	1	2.7
45	7.451	7.168	41BTL45	1610	1 5/8	3 1/4	1	3.5
48	7.928	7.645	41BTL48	1610	1 5/8	3 1/4	1	4.1
54	8.885	8.599	41BTL54	1610	1 5/8	3 1/4	1	4.9
60	9.841	9.554	41BTL60	1610	1 5/8	3 1/4	1	5.7
70	11.434	11.145	41BTL70	1610	1 5/8	3 1/4	1	7.4
72	11.752	11.463	41BTL72	1610	1 5/8	3 1/4	1	8.2
80	13.026	12.736	41BTL80	1610	1 5/8	3 1/4	1	9.6
96	15.573	15.282	41BTL96	1610	1 5/8	3 1/4	1	13.1

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

No. 50 $\frac{5}{8}$ " Pitch — Plain Bore



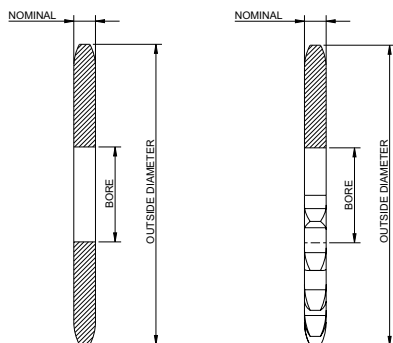
Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{5}{8}$ "	$\frac{3}{8}$ "	.400"

▲ Has recessed groove in hub for chain clearance

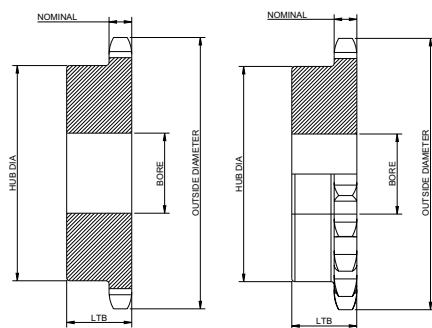
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Type A				Type B Plain Bore					Sprocket Diameters	
No. Teeth	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	$\frac{5}{8}$ " Pitch
										Outside Diameter Pitch Diameter
8				50B8	$\frac{5}{8}$	$\frac{5}{8}$	▲ 1 $\frac{1}{8}$	1	.25	1.880 1.633
9				50B9	$\frac{5}{8}$	$\frac{3}{4}$	▲ 1 $\frac{1}{8}$	1	.36	2.090 1.827
10				50B10	$\frac{5}{8}$	$\frac{7}{8}$	▲ 1 $\frac{1}{16}$	1	.48	2.300 2.023
11				50B11	$\frac{5}{8}$	1	▲ 1 $\frac{1}{4}$	1	.64	2.500 2.219
12	50A12	$\frac{5}{8}$	.34	50B12	$\frac{5}{8}$	1 $\frac{1}{4}$	▲ 2	1	.83	2.710 2.415
13	50A13	$\frac{5}{8}$	.42	50B13	$\frac{5}{8}$	1 $\frac{5}{16}$	▲ 1 $\frac{7}{8}$	1	.88	2.910 2.612
14	50A14	$\frac{5}{8}$	.50	50B14	$\frac{5}{8}$	1 $\frac{7}{16}$	2 $\frac{1}{8}$	1	1.13	3.110 2.803
15	50A15	$\frac{5}{8}$	.54	50B15	$\frac{5}{8}$	1 $\frac{1}{2}$	2 $\frac{3}{8}$	1	1.34	3.320 3.006
16	50A16	$\frac{5}{8}$	.68	50B16	$\frac{5}{8}$	1 $\frac{3}{4}$	2 $\frac{1}{2}$	1	1.51	3.520 3.204
17	50A17	$\frac{5}{8}$	.76	50B17	$\frac{5}{8}$	1 $\frac{7}{8}$	2 $\frac{11}{16}$	1	1.74	3.720 3.401
18	50A18	$\frac{5}{8}$	.86	50B18	$\frac{5}{8}$	1 $\frac{7}{8}$	2 $\frac{7}{8}$	1	2.00	3.920 3.599
19	50A19	$\frac{5}{8}$	.94	50B19	$\frac{5}{8}$	2	3	1	2.22	4.120 3.797
20	50A20	$\frac{3}{4}$	1.06	50B20	$\frac{3}{4}$	2	3	1	2.28	4.320 3.995
21	50A21	$\frac{3}{4}$	1.12	50B21	$\frac{3}{4}$	2	3	1	2.40	4.520 4.194
22	50A22	$\frac{3}{4}$	1.30	50B22	$\frac{3}{4}$	2	3	1	2.56	4.720 4.392
23	50A23	$\frac{3}{4}$	1.44	50B23	$\frac{3}{4}$	2	3	1	2.66	4.920 4.590
24	50A24	$\frac{23}{32}$	1.50	50B24	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.30	5.120 4.788
25	50A25	$\frac{23}{32}$	1.62	50B25	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.40	5.320 4.987
26	50A26	$\frac{23}{32}$	1.72	50B26	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.44	5.520 5.185
27	50A27	$\frac{23}{32}$	1.96	50B27	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.74	5.720 5.384
28	50A28	$\frac{23}{32}$	2.04	50B28	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.80	5.920 5.582
29	50A29	$\frac{23}{32}$	2.36	50B29	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	4.06	6.120 5.781
30	50A30	$\frac{23}{32}$	2.54	50B30	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	4.56	6.320 5.979
31	50A31	$\frac{23}{32}$	2.80	50B31	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	4.74	6.520 6.178
32	50A32	$\frac{23}{32}$	2.92	50B32	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	4.96	6.720 6.376
33	50A33	$\frac{23}{32}$	3.14	50B33	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	5.14	6.920 6.575
34	50A34	$\frac{23}{32}$	3.20	50B34	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	5.29	7.120 6.774
35	50A35	$\frac{23}{32}$	3.34	50B35	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	5.44	7.320 6.972
36	50A36	$\frac{23}{32}$	3.82	50B36	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	5.64	7.520 7.171
37	50A37	$\frac{23}{32}$	3.98	50B37	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	5.90	7.720 7.370
38	50A38	$\frac{23}{32}$	4.14	50B38	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	6.08	7.920 7.569
39	50A39	$\frac{23}{32}$	4.42	50B39	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	6.30	8.120 7.767
40	50A40	$\frac{23}{32}$	4.46	50B40	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	6.50	8.320 7.966
42	50A42	$\frac{23}{32}$	4.98	50B42	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	6.96	8.720 8.363
43	50A43	$\frac{23}{32}$	5.24	50B43	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	7.06	8.910 8.562
44	50A44	$\frac{23}{32}$	5.42	50B44	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	7.58	9.110 8.761
45	50A45	$\frac{23}{32}$	5.92	50B45	$\frac{3}{4}$	2 $\frac{1}{2}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	8.08	9.310 8.960
48	50A48	$\frac{15}{16}$	6.58	50B48	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	9.28	9.910 9.556
49	50A49	$\frac{15}{16}$	7.06	50B49	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	9.52	10.110 9.755
50	50A50	$\frac{15}{16}$	7.10	50B50	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	9.78	10.310 9.954
52	50A52	$\frac{15}{16}$	7.98	50B52	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	10.24	10.710 10.351
54	50A54	$\frac{15}{16}$	8.30	50B54	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	10.80	11.110 10.749
55	50A55	$\frac{15}{16}$	8.56	50B55	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	11.00	11.310 10.948
60	50A60	$\frac{15}{16}$	10.80	50B60	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	13.00	12.300 11.942
70	50A70	$\frac{15}{16}$	14.00	50B70	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	18.16	14.290 13.931
72	50A72	$\frac{15}{16}$	15.24	50B72	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	19.48	14.690 14.329
80	50A80	$\frac{15}{16}$	21.00	50B80	1	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	24.74	16.280 15.920
84	50A84	$\frac{15}{16}$	22.08							17.080 16.715
96	50A96	$\frac{15}{16}$	27.40							19.470 19.102
112	50A112	$\frac{15}{16}$	37.70							22.650 22.285

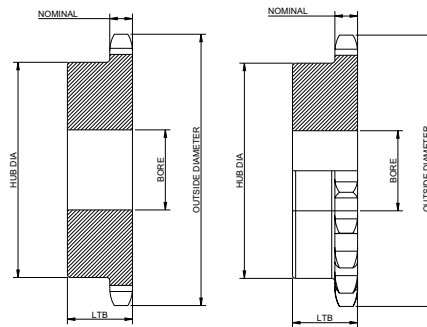
Some sizes are Made-To-Order, consult iwis for availability.

No. 50 $\frac{5}{8}$ " Pitch — Finished Bore

Pitch	Inner width	Roller- Ø
inch	inch	inch
$\frac{5}{8}$ "	$\frac{3}{8}$ "	.400"

Hub diameters may vary to suit bore sizes
• Indicates set screw at 90° and 180° from keyway

Sprockets supplied without keyway and setscrews unless specifically requested.



Type B Bored to Size

No. Teeth	Catalog Number	Available Bores (Includes Standard KW & SS)													Sprocket Diameters	
															$\frac{5}{8}$ " Pitch	
															Outside Diameter	Pitch Diameter
9	50BS9	$\frac{5}{8}$	$\frac{3}{4}$												2.090	1.827
10	50BS10	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	• 1										2.300	2.023
11	50BS11	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1										2.500	2.219
12	50BS12	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$							2.710	2.415
13	50BS13	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$							2.910	2.612
14	50BS14	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$							3.110	2.803
15	50BS15	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				3.320	3.006
16	50BS16		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				3.520	3.204
17	50BS17		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				3.720	3.401
18	50BS18		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				3.920	3.599
19	50BS19		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				4.120	3.797
20	50BS20		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				4.320	3.995
21	50BS21		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				4.520	4.194
22	50BS22		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				4.720	4.392
23	50BS23		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				4.920	4.590
24	50BS24		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				5.120	4.788
25	50BS25		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				5.320	4.987
26	50BS26		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				5.520	5.185
27	50BS27		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				5.720	5.384
28	50BS28		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				5.920	5.582
29	50BS29		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				6.120	5.781
30	50BS30		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$				6.320	5.979
31	50BS31		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		6.520	6.178
32	50BS32		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		6.720	6.376
33	50BS33		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		6.920	6.575
34	50BS34		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		7.120	6.774
35	50BS35		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		7.320	6.972
36	50BS36		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		7.520	7.171
37	50BS37		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		7.720	7.370
38	50BS38		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		7.920	7.569
40	50BS40		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		8.320	7.966
42	50BS42		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		8.720	8.363
45	50BS45		$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		9.310	8.960
48	50BS48				1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		9.910	9.556
50	50BS50				1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		10.310	9.954
55	50BS55				1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		11.310	10.948
60	50BS60				1	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{15}{16}$		12.300	11.942

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

No. 50 $\frac{5}{8}$ " Pitch — Stainless Steel



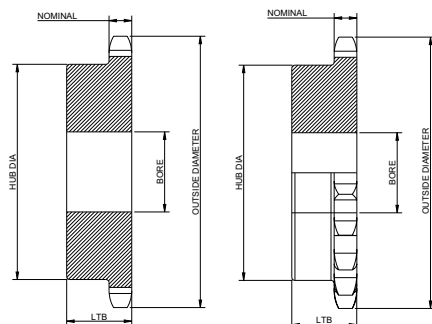
Single — Type B — Stainless Steel

Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{5}{8}$ "	$\frac{3}{8}$ "	.400"

▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
10	2.300	2.023	50B10SS	$\frac{5}{8}$	$\frac{7}{8}$	▲ 1 $\frac{9}{16}$	1	.48
11	2.500	2.219	50B11SS	$\frac{5}{8}$	1	▲ 1 $\frac{3}{4}$	1	.64
12	2.710	2.415	50B12SS	$\frac{5}{8}$	1 $\frac{1}{4}$	▲ 1 $\frac{63}{64}$	1	.83
13	2.910	2.612	50B13SS	$\frac{5}{8}$	1 $\frac{5}{16}$	1 $\frac{7}{8}$	1	.88
14	3.110	2.803	50B14SS	$\frac{5}{8}$	1 $\frac{7}{16}$	2 $\frac{1}{8}$	1	1.13
15	3.320	3.006	50B15SS	$\frac{5}{8}$	1 $\frac{1}{2}$	2 $\frac{3}{8}$	1	1.34
16	3.520	3.204	50B16SS	$\frac{5}{8}$	1 $\frac{3}{4}$	2 $\frac{1}{2}$	1	1.51
17	3.720	3.401	50B17SS	$\frac{5}{8}$	1 $\frac{7}{8}$	2 $\frac{11}{16}$	1	1.74
18	3.920	3.599	50B18SS	$\frac{5}{8}$	1 $\frac{7}{8}$	2 $\frac{7}{8}$	1	2.00
19	4.120	3.797	50B19SS	$\frac{5}{8}$	2	3	1	2.22
20	4.320	3.995	50B20SS	$\frac{3}{4}$	2	3	1	2.28
21	4.520	4.194	50B21SS	$\frac{3}{4}$	2	3	1	2.40
22	4.720	4.392	50B22SS	$\frac{3}{4}$	2	3	1	2.56
23	4.920	4.590	50B23SS	$\frac{3}{4}$	2	3	1	2.66
24	5.120	4.788	50B24SS	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.30
25	5.320	4.987	50B25SS	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.40
26	5.520	5.185	50B26SS	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.44
28	5.920	5.582	50B28SS	$\frac{3}{4}$	2	3	1 $\frac{1}{4}$	3.80
30	6.320	5.979	50B30SS	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	4.56
35	7.320	6.972	50B35SS	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	5.44
40	8.320	7.966	50B40SS	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	6.50
45	9.310	8.960	50B45SS	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	8.08
60	12.300	11.942	50B60SS	1	2 $\frac{1}{2}$	3 $\frac{3}{4}$	1 $\frac{1}{4}$	13.00

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

No. 50 $\frac{5}{8}$ " Pitch — Multiple Strand



Basic Sprocket Dimensions				50-2 Double Strand					50-3 Triple Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	2.500	2.219	$\frac{5}{8}$	D50B11	$1 \frac{15}{32}$	$1 \frac{3}{4}$	$\frac{15}{16}$	.90	T50B11	$1 \frac{15}{32}$	$2 \frac{1}{2}$	$\frac{15}{16}$	1.42
12	2.710	2.415	$\frac{5}{8}$	D50B12	$1 \frac{11}{16}$	$1 \frac{3}{4}$	$1 \frac{1}{8}$	1.20	T50B12	$1 \frac{11}{16}$	$2 \frac{1}{2}$	$1 \frac{1}{8}$	1.84
13	2.910	2.612	$\frac{5}{8}$	D50B13	$1 \frac{7}{8}$	$1 \frac{3}{4}$	$1 \frac{5}{16}$	1.50	T50B13	$1 \frac{7}{8}$	$2 \frac{1}{2}$	$1 \frac{5}{16}$	2.28
14	3.110	2.803	$\frac{5}{8}$	D50B14	$2 \frac{1}{16}$	$1 \frac{3}{4}$	$1 \frac{3}{8}$	1.90	T50B14	$2 \frac{1}{16}$	$2 \frac{1}{2}$	$1 \frac{3}{8}$	2.72
15	3.320	3.006	$\frac{3}{4}$	D50B15	$2 \frac{5}{16}$	$1 \frac{3}{4}$	$1 \frac{1}{2}$	2.30	T50B15	$2 \frac{5}{16}$	$2 \frac{1}{2}$	$1 \frac{1}{2}$	3.24
16	3.520	3.204	$\frac{3}{4}$	D50B16	$2 \frac{1}{2}$	$1 \frac{3}{4}$	$1 \frac{3}{4}$	2.70	T50B16	$2 \frac{1}{2}$	$2 \frac{1}{2}$	$1 \frac{3}{4}$	3.76
17	3.720	3.401	$\frac{3}{4}$	D50B17	$2 \frac{11}{16}$	$1 \frac{3}{4}$	$1 \frac{7}{8}$	3.10	T50B17	$2 \frac{11}{16}$	$2 \frac{1}{2}$	$1 \frac{7}{8}$	4.38
18	3.920	3.599	$\frac{3}{4}$	D50B18	$2 \frac{15}{16}$	$1 \frac{3}{4}$	$1 \frac{15}{16}$	3.60	T50B18	$2 \frac{15}{16}$	$2 \frac{1}{2}$	$1 \frac{15}{16}$	5.10
19	4.120	3.797	1	D50B19	$3 \frac{1}{8}$	$1 \frac{3}{4}$	$2 \frac{1}{8}$	4.10	T50B19	$3 \frac{1}{8}$	$2 \frac{1}{2}$	$2 \frac{1}{8}$	5.60
20	4.320	3.995	1	D50B20	$3 \frac{1}{4}$	$1 \frac{3}{4}$	$2 \frac{1}{4}$	4.60	T50B20	$3 \frac{1}{4}$	$2 \frac{5}{8}$	$2 \frac{1}{4}$	6.42
21	4.520	4.194	1	D50B21	$3 \frac{1}{2}$	$1 \frac{3}{4}$	$2 \frac{3}{8}$	5.10	T50B21	$3 \frac{1}{2}$	$2 \frac{5}{8}$	$2 \frac{3}{8}$	7.42
22	4.720	4.392	1	D50B22	$3 \frac{9}{16}$	$1 \frac{7}{8}$	$2 \frac{3}{8}$	5.90	T50B22	$3 \frac{9}{16}$	$2 \frac{5}{8}$	$2 \frac{3}{8}$	7.92
23	4.920	4.590	1	D50B23	$3 \frac{5}{8}$	$1 \frac{7}{8}$	$2 \frac{1}{2}$	6.50	T50B23	$3 \frac{5}{8}$	$2 \frac{5}{8}$	$2 \frac{1}{2}$	8.80
24	5.120	4.788	1	D50B24	$3 \frac{3}{4}$	$1 \frac{7}{8}$	$2 \frac{1}{2}$	6.90	T50B24	$3 \frac{3}{4}$	$2 \frac{5}{8}$	$2 \frac{1}{2}$	9.42
25	5.320	4.987	1	D50B25	$3 \frac{7}{8}$	$1 \frac{7}{8}$	$2 \frac{1}{2}$	7.10	T50B25	$3 \frac{7}{8}$	$2 \frac{5}{8}$	$2 \frac{1}{2}$	10.16
26	5.520	5.185	1	D50B26	$3 \frac{3}{4}$	$1 \frac{7}{8}$	$2 \frac{1}{2}$	7.80	T50B26	$3 \frac{3}{4}$	$2 \frac{5}{8}$	$2 \frac{1}{2}$	11.02
30	6.320	5.979	1	D50B30	$3 \frac{3}{4}$	$1 \frac{7}{8}$	$2 \frac{1}{2}$	9.80	T50B30	$3 \frac{3}{4}$	$2 \frac{5}{8}$	$2 \frac{1}{2}$	14.24
32	6.720	6.376	1	D50B32	$3 \frac{3}{4}$	$1 \frac{7}{8}$	$2 \frac{1}{2}$	11.00					
35	7.320	6.972	1	D50B35	$3 \frac{3}{4}$	$1 \frac{7}{8}$	$2 \frac{1}{2}$	12.90	T50B35	$3 \frac{3}{4}$	$2 \frac{5}{8}$	$2 \frac{1}{2}$	18.96
36	7.520	7.171	$1 \frac{3}{16}$	D50B36	4	$2 \frac{1}{8}$	$2 \frac{3}{4}$	16.00	T50B36	4	$2 \frac{3}{4}$	$2 \frac{3}{4}$	20.60
40	8.320	7.966	$1 \frac{3}{16}$	D50B40	4	$2 \frac{1}{8}$	$2 \frac{3}{4}$	18.80					
42	8.720	8.363	$1 \frac{3}{16}$	D50B42	4	$2 \frac{1}{8}$	$2 \frac{3}{4}$	20.40					
45	9.310	8.960	$1 \frac{3}{16}$	D50B45	4	$2 \frac{1}{8}$	$2 \frac{3}{4}$	22.90					
48	9.910	9.556	$1 \frac{3}{16}$	D50B48	$4 \frac{1}{4}$	$2 \frac{3}{8}$	$2 \frac{3}{4}$	25.50					
52	10.710	10.351	$1 \frac{3}{16}$	D50B52	$4 \frac{1}{4}$	$2 \frac{3}{8}$	$2 \frac{3}{4}$	29.30					

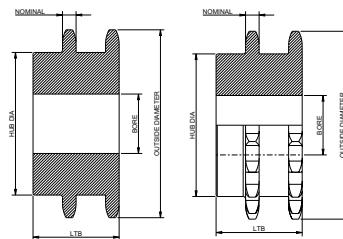
Some sizes are Made-To-Order, consult iwis for availability.

Pitch	Inner width	Roller- Ø
inch	inch	inch
$\frac{5}{8}$ "	$\frac{3}{8}$ "	.400"

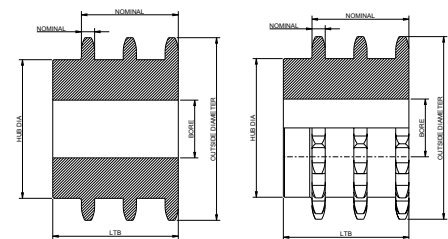
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B – Double Strand



TYPE B – Triple Strand



No. 50 $\frac{5}{8}$ " Pitch — Tapered Bushing

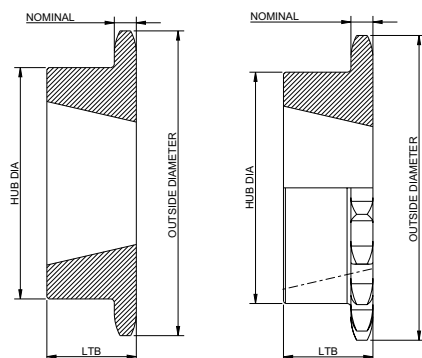


Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{5}{8}$ "	$\frac{3}{8}$ "	.400"

▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



Type B Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
12	2.708	2.415	50BTL12	1008	1	$\Delta 1 \frac{15}{16}$	$\frac{7}{8}$	.50
13	2.911	2.612	50BTL13	1008	1	$1 \frac{13}{16}$	$\frac{7}{8}$	.50
14	3.113	2.803	50BTL14	1008	1	$1 \frac{13}{16}$	$\frac{7}{8}$	.60
15	3.315	3.006	50BTL15	1210	$1 \frac{1}{4}$	$\Delta 2 \frac{15}{32}$	1	.70
16	3.517	3.204	50BTL16	1610	$1 \frac{5}{8}$	$\Delta 2 \frac{25}{32}$	1	.70
17	3.719	3.401	50BTL17	1610	$1 \frac{5}{8}$	$\Delta 2 \frac{25}{32}$	1	.80
18	3.920	3.599	50BTL18	1610	$1 \frac{5}{8}$	$2 \frac{25}{32}$	1	.90
19	4.120	3.797	50BTL19	1610	$1 \frac{5}{8}$	3	1	1.30
20	4.321	3.995	50BTL20	1610	$1 \frac{5}{8}$	$3 \frac{1}{4}$	1	1.60
21	4.522	4.194	50BTL21	1610	$1 \frac{5}{8}$	3	1	1.50
22	4.722	4.392	50BTL22	1610	$1 \frac{5}{8}$	3	1	1.60
23	4.922	4.590	50BTL23	2012	2	$3 \frac{9}{16}$	1	2.00
24	5.122	4.788	50BTL24	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	2.20
25	5.322	4.987	50BTL25	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	2.40
26	5.522	5.185	50BTL26	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	2.50
27	5.723	5.384	50BTL27	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	2.60
28	5.922	5.582	50BTL28	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	2.80
30	6.321	5.979	50BTL30	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	3.20
32	6.721	6.376	50BTL32	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	3.60
35	7.319	6.972	50BTL35	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	4.20
36	7.519	7.171	50BTL36	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	4.30
40	8.316	7.966	50BTL40	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	5.20
42	8.715	8.363	50BTL42	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	5.90
45	9.313	8.960	50BTL45	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	6.50
48	9.911	9.556	50BTL48	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	7.30
54	11.106	10.749	50BTL54	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	9.00
60	12.301	11.942	50BTL60	2012	2	$3 \frac{9}{16}$	$1 \frac{1}{4}$	10.80
70	14.292	13.931	50BTL70	2517	$2 \frac{1}{2}$	$4 \frac{1}{4}$	$1 \frac{3}{4}$	14.00
72	14.690	14.329	50BTL72	2517	$2 \frac{1}{2}$	$4 \frac{1}{4}$	$1 \frac{3}{4}$	15.50
80	16.282	15.920	50BTL80	2517	$2 \frac{1}{2}$	$4 \frac{1}{4}$	$1 \frac{3}{4}$	19.50
84	17.079	16.715	50BTL84	2517	$2 \frac{1}{2}$	$4 \frac{1}{4}$	$1 \frac{3}{4}$	22.50
96	19.466	19.102	50BTL96	2517	$2 \frac{1}{2}$	$4 \frac{1}{4}$	$1 \frac{3}{4}$	29.00
112	22.651	22.285	50BTL112	2517	$2 \frac{1}{2}$	$4 \frac{1}{4}$	$1 \frac{3}{4}$	38.70

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

No. 50 $\frac{5}{8}$ " Pitch — Tapered Bushing

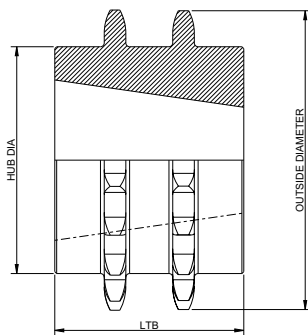
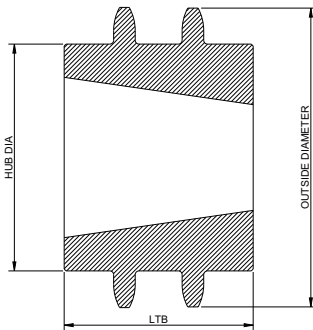


50 Double Tapered Bushing

Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{5}{8}$ "	$\frac{3}{8}$ "	.400"

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
14	3.113	2.803	D50ATL14	1008	1		$\frac{7}{8}$	.80
15	3.315	3.006	D50ATL15	1210	1 $\frac{1}{4}$		1	.90
16	3.517	3.204	D50ATL16	1210	1 $\frac{1}{4}$		1	1.10
17	3.719	3.401	D50ATL17	1610	1 $\frac{5}{8}$		1	1.10
18	3.920	3.599	D50ATL18	1610	1 $\frac{5}{8}$		1	1.30
19	4.120	3.797	D50ATL19	1610	1 $\frac{5}{8}$		1	1.60
20	4.321	3.995	D50BTL20	2012	2	3 $\frac{1}{4}$	1 $\frac{1}{4}$	1.50
21	4.522	4.194	D50BTL21	2012	2	3 $\frac{1}{2}$	1 $\frac{1}{4}$	1.90
25	5.322	4.987	D50BTL25	2012	2	4 $\frac{9}{32}$	1 $\frac{1}{4}$	3.80
30	6.321	5.979	D50BTL30	2517	2 $\frac{1}{2}$	5 $\frac{9}{32}$	1 $\frac{3}{4}$	7.50
36	7.519	7.171	D50CTL36	2517	2 $\frac{1}{2}$	5 $\frac{9}{32}$	1 $\frac{3}{4}$	9.40
42	8.715	8.363	D50CTL42	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	13.40
60	12.301	11.942	D50CTL60	2517	2 $\frac{1}{2}$	4 $\frac{3}{8}$	1 $\frac{3}{4}$	30.30

Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
1008	$\frac{1}{2}$ — 1	.30
1210	$\frac{1}{2}$ — 1 $\frac{1}{4}$	.60
1610	$\frac{1}{2}$ — 1 $\frac{5}{8}$	.90
2012	$\frac{1}{2}$ — 2	1.70
2517	$\frac{1}{2}$ — 2 $\frac{1}{2}$	3.50

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

No. 50 QD® 5/8" Pitch



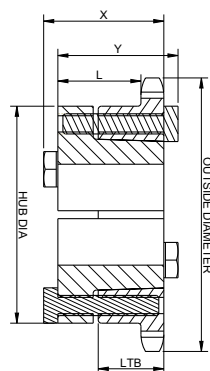
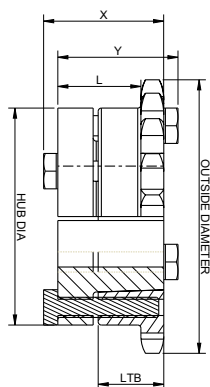
50 QD® 5/8" Pitch

Pitch	Inner width	Roller- Ø
inch	inch	inch
5/8"	3/8"	.400"

QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
12	2.710	2.415	50JA12	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	2 1/32	.34
13	2.910	2.612	50JA13	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	2 1/32	.40
14	3.110	2.803	50JA14	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	2 1/32	.52
15	3.320	3.006	50JA15	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	2 1/32	.80
16	3.520	3.204	50JA16	JA	1 1/4	B	2 1/16	5/8	1 1/8	1 1/8	2 1/32	.68
17	3.720	3.401	50SH17	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	2 9/32	.84
18	3.920	3.599	50SH18	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	2 9/32	1.04
19	4.120	3.797	50SH19	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	2 9/32	1.24
20	4.320	3.995	50SDS20	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	1.20
21	4.520	4.194	50SDS21	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	1.32
22	4.720	4.392	50SDS22	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	1.42
23	4.920	4.590	50SDS23	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	1.58
24	5.120	4.788	50SDS24	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	1.70
25	5.320	4.987	50SDS25	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	1.86
26	5.520	5.185	50SDS26	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	2.00
27	5.720	5.384	50SDS27	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	2.12
28	5.920	5.582	50SDS28	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	2.32
30	6.320	5.979	50SDS30	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	2.64
32	6.720	6.376	50SDS32	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	2.98
35	7.320	6.972	50SDS35	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	3.62
36	7.520	7.171	50SDS36	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	3.64
40	8.320	7.966	50SDS40	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	4.74
42	8.720	8.363	50SDS42	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	5.40
45	9.310	8.960	50SDS45	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	5.90
48	9.910	9.556	50SDS48	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	3 1/32	6.66
54	11.110	10.749	50SK54	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 17/32	9.68
60	12.300	11.942	50SK60	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 17/32	11.88
70	14.290	13.931	50SK70	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 17/32	15.52
72	14.690	14.329	50SK72	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 17/32	16.44
80	16.280	15.920	50SF80	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 21/32	19.90
96	19.470	19.102	50SF96	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 21/32	29.88

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
JA	1/2 - 1	1/16 - 1 3/16	1 1/4	.80
SH	1/2 - 1 3/8	7/16 - 1 5/8	1 11/16	.70
SDS	1/2 - 1 11/16	3/4 - 1 15/16	2	1.00
SK	1/2 - 2 1/8	2 3/16 - 2 1/2	2 9/16 - 2 5/8	2.10
SF	1/2 - 2 5/16	2 3/8 - 2 13/16	2 13/16 - 2 15/16	3.10

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

No. 60 $\frac{3}{4}$ " Pitch — Plain Bore



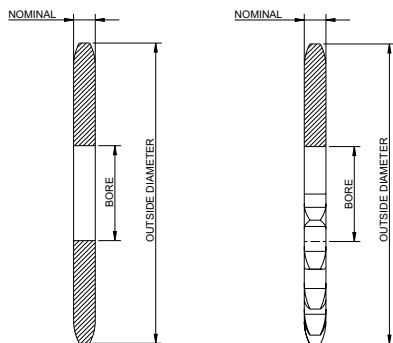
Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{4}$ "	$\frac{1}{2}$ "	.469"

▲ Has recessed groove in hub for chain clearance

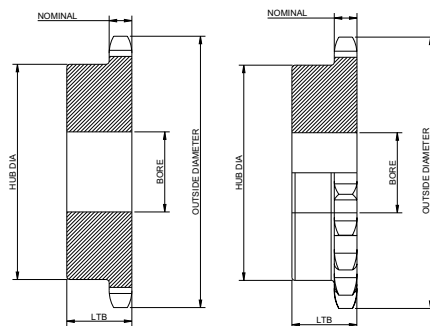
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Type A				Type B Plain Bore					Sprocket Diameters		
No. Teeth	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Outside Diameter	Pitch Diameter
8				60B8	$\frac{5}{8}$	$\frac{5}{8}$	▲ 1 $\frac{15}{32}$	1 $\frac{1}{4}$	.54	2.260	1.960
9				60B9	$\frac{3}{4}$	$\frac{7}{8}$	▲ 1 $\frac{9}{16}$	1 $\frac{1}{4}$	.64	2.510	2.193
10	60A10	$\frac{3}{4}$	.44	60B10	$\frac{3}{4}$	1 $\frac{1}{8}$	▲ 1 $\frac{15}{16}$	1 $\frac{1}{4}$	.99	2.760	2.427
11	60A11	$\frac{3}{4}$	.54	60B11	$\frac{3}{4}$	1 $\frac{1}{8}$	▲ 2 $\frac{1}{16}$	1 $\frac{1}{4}$	1.16	3.010	2.663
12	60A12	$\frac{3}{4}$	.68	60B12	$\frac{3}{4}$	1 $\frac{3}{8}$	▲ 2 $\frac{3}{8}$	1 $\frac{1}{4}$	1.47	3.250	2.898
13	60A13	$\frac{3}{4}$	.80	60B13	$\frac{3}{4}$	1 $\frac{1}{2}$	2 $\frac{11}{32}$	1 $\frac{1}{4}$	1.66	3.490	3.134
14	60A14	$\frac{3}{4}$	.94	60B14	$\frac{3}{4}$	1 $\frac{3}{4}$	2 $\frac{9}{16}$	1 $\frac{1}{4}$	2.00	3.740	3.371
15	60A15	$\frac{3}{4}$	1.08	60B15	$\frac{3}{4}$	1 $\frac{7}{8}$	2 $\frac{7}{8}$	1 $\frac{1}{4}$	2.51	3.980	3.608
16	60A16	$\frac{3}{4}$	1.24	60B16	$\frac{3}{4}$	2	3 $\frac{1}{16}$	1 $\frac{1}{4}$	2.81	4.220	3.845
17	60A17	$\frac{3}{4}$	1.44	60B17	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	3.22	4.460	4.082
18	60A18	$\frac{3}{4}$	1.62	60B18	$\frac{3}{4}$	2 $\frac{3}{8}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	3.72	4.700	4.319
19	60A19	$\frac{3}{4}$	1.84	60B19	$\frac{3}{4}$	2 $\frac{3}{8}$	3 $\frac{1}{2}$	1 $\frac{1}{4}$	3.92	4.950	4.557
20	60A20	$\frac{3}{4}$	2.12	60B20	$\frac{3}{4}$	2 $\frac{5}{8}$	3 $\frac{7}{8}$	1 $\frac{1}{4}$	4.63	5.190	4.794
21	60A21	$\frac{3}{4}$	2.28	60B21	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.00	5.430	5.033
22	60A22	$\frac{3}{4}$	2.48	60B22	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.25	5.670	5.270
23	60A23	$\frac{3}{4}$	2.68	60B23	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.48	5.910	5.508
24	60A24	$\frac{23}{32}$	3.00	60B24	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.78	6.150	5.746
25	60A25	$\frac{23}{32}$	3.34	60B25	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	6.13	6.390	5.984
26	60A26	$\frac{23}{32}$	3.54	60B26	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	6.38	6.630	6.222
27	60A27	$\frac{23}{32}$	3.96	60B27	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	6.72	6.870	6.461
28	60A28	$\frac{23}{32}$	4.14	60B28	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	6.88	7.110	6.698
29	60A29	$\frac{23}{32}$	4.40	60B29	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	7.28	7.350	6.937
30	60A30	$\frac{23}{32}$	4.78	60B30	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	7.58	7.590	7.175
31	60A31	$\frac{23}{32}$	5.24	60B31	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	7.72	7.830	7.413
32	60A32	$\frac{23}{32}$	5.52	60B32	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	8.26	8.070	7.652
33	60A33	$\frac{15}{16}$	5.86	60B33	1	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	8.42	8.310	7.890
34	60A34	$\frac{15}{16}$	6.16	60B34	1	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	8.80	8.540	8.129
35	60A35	$\frac{15}{16}$	6.78	60B35	1	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	9.04	8.790	8.367
36	60A36	$\frac{15}{16}$	6.82	60B36	1	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	9.60	9.020	8.606
37	60A37	$\frac{15}{16}$	7.52	60B37	1	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	10.24	9.260	8.844
38	60A38	$\frac{15}{16}$	7.84	60B38	1	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	10.84	9.500	9.038
39	60A39	$\frac{15}{16}$	8.28	60B39	1	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	11.36	9.740	9.321
40	60A40	$\frac{15}{16}$	8.56	60B40	1	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	11.50	9.980	9.560
41	60A41	$\frac{15}{16}$	9.10	60B41	1	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	12.14	10.220	9.798
42	60A42	$\frac{15}{16}$	9.74	60B42	1	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	12.74	10.460	10.037
44	60A44	$\frac{15}{16}$	10.76	60B44	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	13.88	10.940	10.514
45	60A45	$\frac{15}{16}$	11.08	60B45	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	13.98	11.180	10.752
46	60A46	$\frac{15}{16}$	11.50	60B46	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	14.60	11.420	10.991
48	60A48	$\frac{15}{16}$	12.42	60B48	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	15.42	11.890	11.468
49	60A49	$\frac{15}{16}$	12.92	60B49	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	15.90	12.130	11.706
50	60A50	$\frac{15}{16}$	13.98	60B50	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	16.40	12.370	11.945
52	60A52	$\frac{15}{16}$	14.60	60B52	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	17.43	12.850	12.422
54	60A54	$\frac{15}{16}$	15.92	60B54	$\frac{15}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	20.60	13.330	12.889
60	60A60	1 $\frac{1}{4}$	20.02	60B60	1 $\frac{1}{4}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	25.22	14.760	14.330
70	60A70	1 $\frac{1}{4}$	27.20	60B70	1 $\frac{1}{4}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	31.98	17.150	16.717
72	60A72	1 $\frac{1}{4}$	28.90	60B72	1 $\frac{1}{4}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	2	34.18	17.630	17.195
80	60A80	1 $\frac{1}{4}$	40.18	60B80	1 $\frac{1}{4}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	2	41.88	19.540	19.103
84	60A84	1 $\frac{1}{4}$	43.44	60B84	1 $\frac{1}{4}$	3 $\frac{1}{4}$	4 $\frac{3}{4}$	2	46.46	20.490	20.058
96	60A96	1 $\frac{1}{4}$	52.02	60B96	1 $\frac{1}{4}$	3 $\frac{3}{4}$	5 $\frac{1}{2}$	2 $\frac{1}{4}$	65.08	23.360	22.922
112	60A112	1 $\frac{1}{4}$	70.80	60B112	1 $\frac{1}{4}$	3 $\frac{3}{4}$	5 $\frac{1}{2}$	2 $\frac{1}{4}$	81.78	27.180	26.741

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

No. 60 $\frac{3}{4}$ " Pitch — Finished Bore

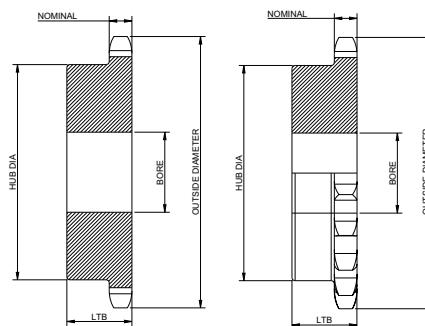
Pitch	Inner width	Roller- Ø
inch	inch	inch
$\frac{3}{4}$ "	$\frac{1}{2}$ "	.469"

Hub diameters may vary to suit bore sizes

Sprockets supplied without keyway and setscrews unless specifically requested.



Type B Bored to Size



Type B Bored to Size																Sprocket Diameters		
																¾" Pitch		
No. Teeth	Catalog Number	Available Bores (Includes Standard KW & SS)														Outside Diameter	Pitch Diameter	
9	60BS9	¾	7⁄8	1												2.510	2.193	
10	60BS10	¾	7⁄8	1	1 1⁄8	1 3⁄16	1 ¼									2.760	2.427	
11	60BS11	¾	7⁄8	1	1 1⁄8	1 3⁄16	1 ¼									3.010	2.663	
12	60BS12	¾	7⁄8	1	1 1⁄8	1 3⁄16	1 ¼		1 7⁄16							3.250	2.898	
13	60BS13	¾	7⁄8	1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16							3.490	3.134	
14	60BS14	¾	7⁄8	1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16							3.740	3.371	
15	60BS15	¾	7⁄8	1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾				3.980	3.608	
16	60BS16	¾	7⁄8	1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			4.220	3.845	
17	60BS17			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			4.460	4.082	
18	60BS18			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			4.700	4.319	
19	60BS19			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			4.950	4.557	
20	60BS20			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			5.190	4.794	
21	60BS21			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			5.430	5.033	
22	60BS22			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			5.670	5.270	
23	60BS23			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			5.910	5.508	
24	60BS24			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			6.150	5.746	
25	60BS25			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			6.390	5.984	
26	60BS26			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			6.630	6.222	
27	60BS27			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			6.870	6.461	
28	60BS28			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			7.110	6.698	
29	60BS29			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			7.350	6.937	
30	60BS30			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			7.590	7.175	
31	60BS31			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			7.830	7.413	
32	60BS32			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			8.070	7.652	
33	60BS33			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			8.310	7.890	
35	60BS35			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16			8.790	8.367	
36	60BS36			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	9.020	8.606
38	60BS38			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	9.500	9.038
40	60BS40			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	9.980	9.560
42	60BS42			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	10.460	10.037
45	60BS45			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	11.180	10.752
48	60BS48			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	11.890	11.468
54	60BS54			1	1 1⁄8	1 3⁄16	1 ¼	1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	13.330	12.889
60	60BS60							1 3⁄8	1 7⁄16	1 ½	1 5⁄8	1 ¾	1 15⁄16	2	2 3⁄16	2 7⁄16	14.760	14.330

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

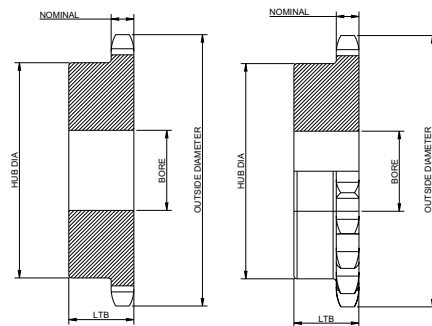
No. 60 $\frac{3}{4}$ " Pitch — Stainless Steel



Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{4}$ "	$\frac{1}{2}$ "	.469"

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



Single — Type B — Stainless Steel

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
12	3.250	2.898	60B12SS	$\frac{3}{4}$	1 $\frac{3}{8}$	2 $\frac{3}{8}$	1 $\frac{1}{4}$	1.41
13	3.490	3.134	60B13SS	$\frac{3}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{32}$	1 $\frac{1}{4}$	1.66
14	3.740	3.371	60B14SS	$\frac{3}{4}$	1 $\frac{3}{4}$	2 $\frac{9}{16}$	1 $\frac{1}{4}$	2.00
15	3.980	3.608	60B15SS	$\frac{3}{4}$	1 $\frac{7}{8}$	2 $\frac{7}{8}$	1 $\frac{1}{4}$	2.51
16	4.220	3.845	60B16SS	$\frac{3}{4}$	2	3 $\frac{1}{16}$	1 $\frac{1}{4}$	2.81
17	4.460	4.082	60B17SS	$\frac{3}{4}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	1 $\frac{1}{4}$	3.22
18	4.700	4.319	60B18SS	$\frac{3}{4}$	2 $\frac{3}{8}$	3 $\frac{1}{2}$	1 $\frac{1}{4}$	3.72
19	4.950	4.557	60B19SS	$\frac{3}{4}$	2 $\frac{3}{8}$	3 $\frac{1}{2}$	1 $\frac{1}{4}$	3.92
20	5.190	4.794	60B20SS	$\frac{3}{4}$	2 $\frac{5}{8}$	3 $\frac{7}{8}$	1 $\frac{1}{4}$	4.63
21	5.430	5.033	60B21SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.00
22	5.670	5.270	60B22SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.25
23	5.910	5.508	60B23SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.48
24	6.150	5.746	60B24SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	5.78
25	6.390	5.984	60B25SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	6.13
26	6.630	6.222	60B26SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	6.38
28	7.110	6.698	60B28SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	6.72
30	7.590	7.175	60B30SS	$\frac{3}{4}$	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	7.58
35	8.780	8.367	60B35SS	1	2 $\frac{3}{4}$	4	1 $\frac{1}{4}$	9.04
40	9.980	9.560	60B40SS	1	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	11.50
45	11.180	10.752	60B45SS	$1\frac{1}{16}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{1}{4}$	13.98
60	14.760	14.330	60B60SS	1 $\frac{1}{4}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	25.22

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

No. 60 $\frac{3}{4}$ " Pitch — Multiple Strand



Basic Sprocket Dimensions				60-2 Double Strand					60-3 Triple Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	3.010	2.663	1	D60B11	1 $\frac{13}{16}$	2 $\frac{1}{8}$	1 $\frac{1}{4}$	1.62	T60B11	1 $\frac{13}{16}$	3	1 $\frac{1}{4}$	2.50
12	3.250	2.898	1	D60B12	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{7}{16}$	2.20	T60B12	2 $\frac{1}{8}$	3	1 $\frac{7}{16}$	3.30
13	3.490	3.134	1	D60B13	2 $\frac{1}{4}$	2 $\frac{1}{8}$	1 $\frac{1}{2}$	2.60	T60B13	2 $\frac{1}{4}$	3	1 $\frac{1}{2}$	3.90
14	3.740	3.371	1	D60B14	2 $\frac{1}{2}$	2 $\frac{1}{8}$	1 $\frac{3}{4}$	3.24	T60B14	2 $\frac{1}{2}$	3	1 $\frac{3}{4}$	4.50
15	3.980	3.608	1	D60B15	2 $\frac{13}{16}$	2 $\frac{1}{8}$	1 $\frac{7}{8}$	3.96	T60B15	2 $\frac{13}{16}$	3	1 $\frac{7}{8}$	5.40
16	4.220	3.845	1	D60B16	3	2 $\frac{1}{8}$	2	4.62	T60B16	3	3	2	6.50
17	4.460	4.082	1	D60B17	3 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{4}$	5.40	T60B17	3 $\frac{1}{4}$	3	2 $\frac{1}{4}$	7.70
18	4.700	4.319	1	D60B18	3 $\frac{1}{2}$	2 $\frac{1}{8}$	2 $\frac{3}{8}$	6.24	T60B18	3 $\frac{1}{2}$	3	2 $\frac{3}{8}$	8.50
19	4.950	4.557	1	D60B19	3 $\frac{11}{16}$	2 $\frac{1}{8}$	2 $\frac{1}{2}$	7.00	T60B19	3 $\frac{11}{16}$	3	2 $\frac{1}{2}$	10.00
20	5.190	4.794	1	D60B20	3 $\frac{3}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{2}$	7.72	T60B20	3 $\frac{3}{4}$	3	2 $\frac{1}{2}$	11.20
21	5.430	5.033	1	D60B21	4 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	8.82	T60B21	4 $\frac{1}{8}$	3	2 $\frac{3}{4}$	12.50
22	5.670	5.270	1	D60B22	4 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	9.68	T60B22	4 $\frac{1}{4}$	3	2 $\frac{3}{4}$	13.20
23	5.910	5.508	1	D60B23	4 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	10.30	T60B23	4 $\frac{1}{4}$	3	2 $\frac{3}{4}$	14.60
24	6.150	5.746	1	D60B24	4 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	11.14	T60B24	4 $\frac{1}{4}$	3	2 $\frac{3}{4}$	15.80
25	6.390	5.984	1	D60B25	4 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	11.96	T60B25	4 $\frac{1}{4}$	3	2 $\frac{3}{4}$	17.00
26	6.630	6.222	1	D60B26	4 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	12.70	T60B26	4 $\frac{1}{4}$	3	2 $\frac{3}{4}$	18.60
30	7.590	7.175	1	D60B30	4 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	16.36	T60B30	4 $\frac{1}{4}$	3	2 $\frac{3}{4}$	23.00
32	8.070	7.652	1 $\frac{1}{4}$	D60B32	4 $\frac{1}{2}$	2 $\frac{3}{8}$	3	19.52					
35	8.780	8.367	1 $\frac{1}{4}$	D60B35	4 $\frac{1}{2}$	2 $\frac{3}{8}$	3	22.80	T60B35	4 $\frac{1}{2}$	3 $\frac{1}{4}$	3	34.50
36	9.020	8.606	1 $\frac{1}{4}$	D60B36	4 $\frac{1}{2}$	2 $\frac{3}{8}$	3	23.82	T60B36	4 $\frac{1}{2}$	3 $\frac{1}{4}$	3	37.00
40	9.980	9.560	1 $\frac{1}{4}$	D60B40	4 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$	30.84					
45	11.180	10.752	1 $\frac{1}{4}$	D60B45	4 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$	37.08					
60	14.760	14.330	1 $\frac{1}{4}$	D60B60	4 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{1}{4}$	63.10					

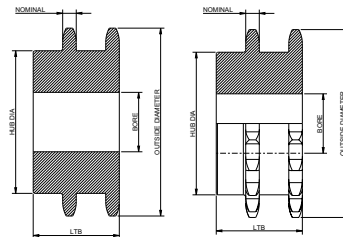
Some sizes are Made-To-Order, consult iwis for availability.

Pitch	Inner width	Roller- Ø
inch	inch	inch
$\frac{3}{4}$ "	$\frac{1}{2}$ "	.469"

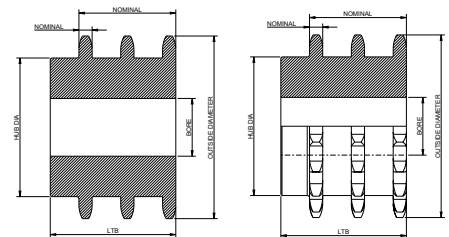
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B – Double Strand



TYPE B – Triple Strand



No. 60 $\frac{3}{4}$ " Pitch — Tapered Bushing

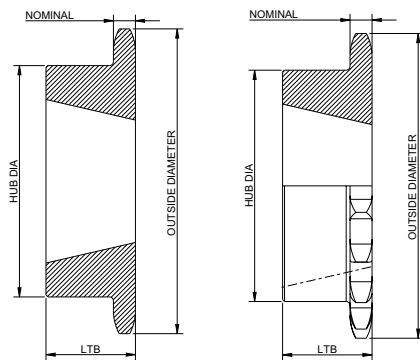


Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{4}$ "	$\frac{1}{2}$ "	.469"

▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B

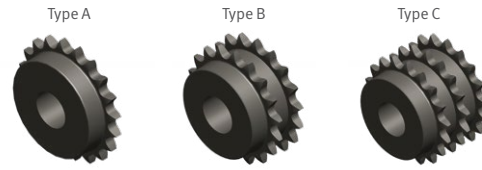


Type B Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
13	3.493	3.134	60BTL13	1210	1 $\frac{1}{4}$	▲ 2 $\frac{15}{32}$	1	.80
14	3.736	3.371	60BTL14	1210	1 $\frac{1}{4}$	2 $\frac{15}{32}$	1	1.00
15	3.979	3.608	60BTL15	1610	1 $\frac{5}{8}$	2 $\frac{25}{32}$	1	1.00
16	4.221	3.845	60BTL16	1610	1 $\frac{5}{8}$	3	1	1.40
17	4.462	4.082	60BTL17	1610	1 $\frac{5}{8}$	3 $\frac{1}{4}$	1	1.80
18	4.704	4.319	60BTL18	1610	1 $\frac{5}{8}$	3 $\frac{1}{4}$	1	1.90
19	4.945	4.557	60BTL19	1610	1 $\frac{5}{8}$	3 $\frac{1}{4}$	1	2.20
20	5.185	4.794	60BTL20	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	2.20
21	5.426	5.033	60BTL21	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	2.50
22	5.666	5.270	60BTL22	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	2.80
23	5.907	5.508	60BTL23	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	3.10
24	6.147	5.746	60BTL24	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	3.40
25	6.387	5.984	60BTL25	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	3.70
26	6.627	6.222	60BTL26	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	4.00
27	6.867	6.461	60BTL27	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	4.20
28	7.107	6.698	60BTL28	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	4.60
30	7.586	7.175	60BTL30	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	5.20
32	8.065	7.652	60BTL32	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	5.60
35	8.783	8.367	60BTL35	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	6.40
36	9.022	8.606	60BTL36	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	6.60
40	9.980	9.560	60BTL40	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	8.30
42	10.458	10.037	60BTL42	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	10.00
45	11.175	10.752	60BTL45	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	11.50
48	11.893	11.468	60BTL48	2012	2	3 $\frac{9}{16}$	1 $\frac{1}{4}$	13.20
54	13.327	12.889	60BTL54	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	17.10
60	14.761	14.330	60BTL60	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	21.00
70	17.150	16.717	60BTL70	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	27.60
72	17.628	17.195	60BTL72	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	30.00
80	19.539	19.103	60BTL80	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	36.30
84	20.494	20.058	60BTL84	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	40.60

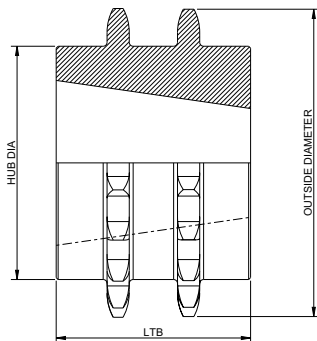
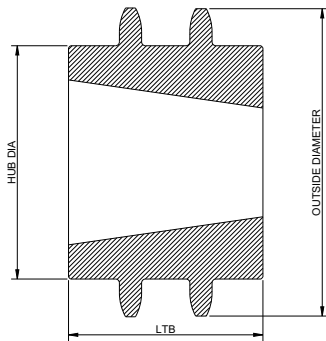
Some sizes are Made-To-Order, consult iwis for availability.

No. 60 $\frac{3}{4}$ " Pitch — Tapered Bushing



Pitch	Inner width	Roller- ø
inch	inch	inch
$\frac{3}{4}$ "	$\frac{1}{2}$ "	.469"

Sprockets supplied without keyway and setscrews unless specifically requested.



Double Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	Type	LTB	Wt. Lbs.
13	3.493	3.134	D60BTL13	1215	1 $\frac{1}{4}$	2 $\frac{1}{4}$	B	1 $\frac{1}{2}$	1.20
14	3.736	3.371	D60BTL14	1215	1 $\frac{1}{4}$	2 $\frac{1}{2}$	B	1 $\frac{1}{2}$	1.60
15	3.979	3.608	D60BTL15	1615	1 $\frac{5}{8}$	2 $\frac{13}{16}$	B	1 $\frac{1}{2}$	1.30
16	4.221	3.845	D60BTL16	1615	1 $\frac{5}{8}$	3	B	1 $\frac{1}{2}$	2.20
17	4.462	4.082	D60BTL17	1615	1 $\frac{5}{8}$	3 $\frac{1}{4}$	B	1 $\frac{1}{2}$	2.50
18	4.704	4.319	D60ATL18	2012	2		A	1 $\frac{1}{4}$	3.00
19	4.945	4.557	D60ATL19	2012	2		A	1 $\frac{1}{4}$	3.50
20	5.185	4.794	D60BTL20	2517	2 $\frac{1}{2}$	3 $\frac{61}{64}$	B	1 $\frac{3}{4}$	4.00
21	5.426	5.033	D60BTL21	2517	2 $\frac{1}{2}$	4 $\frac{3}{16}$	B	1 $\frac{3}{4}$	5.00
25	6.387	5.984	D60BTL25	2517	2 $\frac{1}{2}$	5 $\frac{5}{32}$	B	1 $\frac{3}{4}$	7.50
30	7.586	7.175	D60BTL30	2517	2 $\frac{1}{2}$	6 $\frac{11}{32}$	B	1 $\frac{3}{4}$	13.50
36	9.022	8.606	D60CTL36	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	C	1 $\frac{3}{4}$	17.50
42	10.458	10.037	D60CTL42	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	C	1 $\frac{3}{4}$	25.50
45	11.176	10.752	D60CTL45	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	C	1 $\frac{3}{4}$	29.50

Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
1215	$\frac{1}{2}$ — 1 $\frac{1}{4}$	.60
1615	$\frac{1}{2}$ — 1 $\frac{5}{8}$	1.00
2012	$\frac{1}{2}$ — 2	1.40
2517	$\frac{1}{2}$ — 2 $\frac{1}{2}$	3.20

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

No. 60 $\frac{3}{4}$ " Pitch — QD®

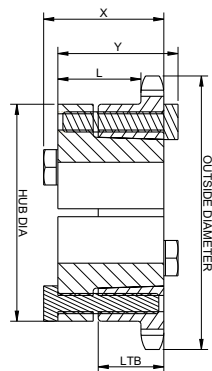
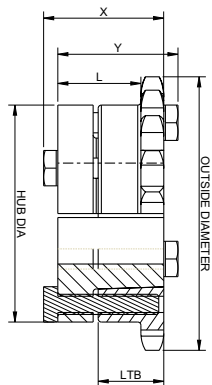


60 QD® $\frac{3}{4}$ " Pitch

Pitch	Inner width	Roller- Ø
inch	inch	inch
$\frac{3}{4}$ "	$\frac{1}{2}$ "	.469"

QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
11	3.005	2.663	60JA11	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{35}{64}$	.46
12	3.249	2.898	60JA12	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{35}{64}$	.60
13	3.493	3.134	60JA13	JA	1 $\frac{1}{4}$	B	2 $\frac{1}{16}$	$\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{35}{64}$	.76
14	3.736	3.371	60SH14	SH	1 $\frac{5}{8}$	B	2 $\frac{11}{16}$	$\frac{13}{16}$	1 $\frac{7}{16}$	1 $\frac{7}{16}$	$\frac{51}{64}$	.88
15	3.978	3.608	60SH15	SH	1 $\frac{5}{8}$	B	2 $\frac{11}{16}$	$\frac{13}{16}$	1 $\frac{7}{16}$	1 $\frac{7}{16}$	$\frac{51}{64}$	1.08
16	4.220	3.845	60SH16	SH	1 $\frac{5}{8}$	B	2 $\frac{11}{16}$	$\frac{13}{16}$	1 $\frac{7}{16}$	1 $\frac{7}{16}$	$\frac{51}{64}$	1.26
17	4.462	4.082	60SDS17	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	1.38
18	4.703	4.319	60SDS18	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	1.56
19	4.945	4.557	60SDS19	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	1.76
20	5.186	4.794	60SDS20	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	2.00
21	5.426	5.033	60SDS21	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	2.20
22	5.666	5.270	60SDS22	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	2.44
23	5.907	5.508	60SDS23	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	2.70
24	6.147	5.746	60SDS24	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	2.94
25	6.387	5.984	60SDS25	SDS	2	B	3 $\frac{3}{16}$	$\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	$\frac{55}{64}$	3.24
26	6.627	6.222	60SK26	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	4.18
27	6.867	6.461	60SK27	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	4.52
28	7.106	6.698	60SK28	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	4.72
30	7.586	7.175	60SK30	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	5.34
32	8.065	7.652	60SK32	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	6.10
35	8.783	8.367	60SK35	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	7.42
36	9.023	8.606	60SK36	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	7.70
40	9.980	9.560	60SK40	SK	2 $\frac{5}{8}$	B	3 $\frac{7}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{27}{64}$	9.56
42	10.458	10.037	60SF42	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	10.78
45	11.176	10.752	60SF45	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	12.40
48	11.893	11.468	60SF48	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	14.26
54	13.327	12.889	60SF54	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	17.02
60	14.761	14.330	60SF60	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	20.76
70	17.150	16.717	60SF70	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	28.60
72	17.628	17.195	60SF72	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	29.58
80	19.539	19.103	60SF80	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	38.24
84	20.495	20.058	60SF84	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	40.94
96	23.360	22.922	60SF96	SF	2 $\frac{15}{16}$	B	4 $\frac{5}{8}$	1 $\frac{1}{4}$	2 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{35}{64}$	52.40
112	27.181	26.741	60E112	E	3 $\frac{1}{2}$	B	6	1 $\frac{5}{8}$	2 $\frac{15}{16}$	2 $\frac{15}{16}$	2 $\frac{3}{16}$	73.76

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
JA	$\frac{1}{2}$ — 1	$\frac{1}{16}$ — 1 $\frac{3}{16}$	1 $\frac{1}{4}$	.80
SH	$\frac{1}{2}$ — 1 $\frac{3}{8}$	$\frac{7}{16}$ — 1 $\frac{5}{8}$	1 $\frac{11}{16}$	.70
SDS	$\frac{1}{2}$ — 1 $\frac{11}{16}$	$\frac{3}{4}$ — 1 $\frac{15}{16}$	2	1.00
SK	$\frac{1}{2}$ — 2 $\frac{1}{8}$	2 $\frac{3}{16}$ — 2 $\frac{1}{2}$	2 $\frac{9}{16}$ — 2 $\frac{5}{8}$	2.10
SF	$\frac{1}{2}$ — 2 $\frac{5}{16}$	2 $\frac{3}{8}$ — 2 $\frac{13}{16}$	2 $\frac{13}{16}$ — 2 $\frac{15}{16}$	3.10
E	$\frac{1}{2}$ — 2 $\frac{7}{8}$	2 $\frac{15}{16}$ — 3 $\frac{1}{2}$	—	7.10

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

No. 80 1" Pitch — Plain Bore



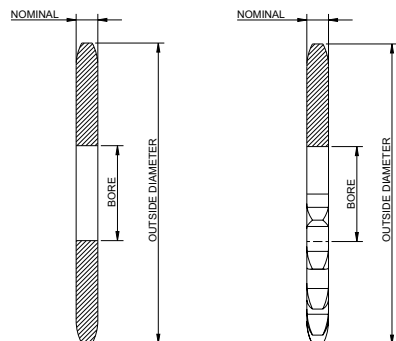
Pitch	Inner width	Roller- ø
inch	inch	inch
1"	5/8"	.625"

▲ Has recessed groove in hub for chain clearance

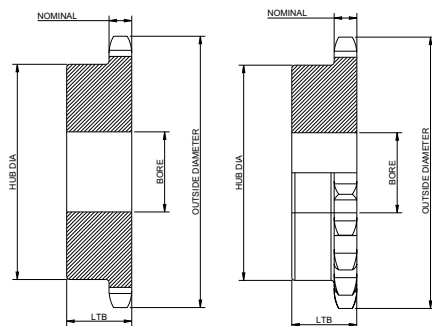
† Dimensions shown allow for standard keyway with set screw at 90°

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE A



TYPE B



Type A				Type B Plain Bore						Sprocket Diameters	
No. Teeth	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Outside Diameter	Pitch Diameter
				80B8	1	1	▲ 1 15/16	1 5/8	1.40	3.010	2.613
9	80A9	1 15/16	.80	80B9	1	1 1/16	▲ 2 1/4	1 5/8	1.80	3.350	2.924
10	80A10	1 15/16	1.00	80B10	1	1 1/2	▲ 2 9/16	1 5/8	2.40	3.680	3.236
11	80A11	1 15/16	1.30	80B11	1	1 5/8	▲ 2 13/16	1 5/8	2.90	4.000	3.550
12	80A12	1 15/16	1.50	80B12	1	1 7/8	3 1/8	1 1/2	3.60	4.330	3.864
13	80A13	1 15/16	1.80	80B13	1	2	3	1 1/2	3.80	4.660	4.179
14	80A14	1 15/16	2.20	80B14	1	2 1/4	3 1/4	1 1/2	4.40	4.980	4.494
15	80A15	1 15/16	2.50	80B15	1	2 3/4	3 13/16	1 1/2	5.60	5.300	4.810
16	80A16	1 15/16	2.80	80B16	1	2 3/4	4	1 1/2	6.10	5.630	5.126
17	80A17	1 15/16	3.30	80B17	1	2 3/4	4	1 1/2	6.50	5.950	5.442
18	80A18	1 15/16	3.70	80B18	1	2 3/4	3 3/4	1 1/2	6.90	6.270	5.759
19	80A19	1 15/16	4.10	80B19	1	2 3/4	3 3/4	1 1/2	7.40	6.590	6.076
20	80A20	1 15/16	4.70	80B20	1	2 3/4	4 1/4	1 1/2	10.40	6.910	6.392
21	80A21	1 15/16	4.90	80B21	1	2 3/4	4 1/4	1 3/4	10.90	7.240	6.710
22	80A22	1 15/16	5.50	80B22	1	2 3/4	4 1/4	1 3/4	11.40	7.560	7.027
23	80A23	1 15/16	6.30	80B23	1	2 3/4	4 1/4	1 3/4	12.00	7.880	7.344
24	80A24	1 15/16	6.70	80B24	1	2 3/4	4 1/4	1 3/4	12.50	8.200	7.661
25	80A25	1 15/16	7.20	80B25	1	2 3/4	4 1/4	1 3/4	13.10	8.520	7.979
26	80A26	1 3/16	7.80	80B26	1 1/4	3 1/4	4 1/4	2	14.00	8.840	8.296
27	80A27	1 3/16	8.60	80B27	1 1/4	3 1/4	4 1/4	2	14.70	9.160	8.614
28	80A28	1 3/16	9.30	80B28	1 1/4	3 1/4	4 1/4	2	15.40	9.480	8.931
29	80A29	1 3/16	9.80	80B29	1 3/16	3 1/4	4 1/4	2	16.00	9.800	9.249
30	80A30	1 3/16	10.70	80B30	1 3/16	3 1/4	4 1/4	2	16.80	10.110	9.567
31	80A31	1 3/16	11.30	80B31	1 3/16	3 1/4	4 1/4	2	17.50	10.430	9.884
32	80A32	1 3/16	12.10	80B32	1 3/16	3 1/4	4 1/4	2	18.30	10.750	10.202
33	80A33	1 3/16	13.60	80B33	1 3/16	3 1/4	4 1/4	2	19.00	11.070	10.520
34	80A34	1 3/16	14.30	80B34	1 3/16	3 1/4	4 1/4	2	20.00	11.390	10.838
35	80A35	1 3/16	14.80	80B35	1 3/16	3 1/4	4 1/4	2	20.70	11.710	11.156
36	80A36	1 3/16	16.10	80B36	1 3/16	3 1/4	4 1/4	2	21.60	12.030	11.471
37	80A37	1 3/16	16.80	80B37	1 3/16	3 1/4	4 1/4	2	22.40	12.350	11.792
38	80A38	1 3/16	17.20	80B38	1 3/16	3 1/4	4 1/4	2	23.30	12.670	12.110
40	80A40	1 3/16	18.90	80B40	1 3/16	3 1/4	4 1/4	2	25.20	13.310	12.746
45	80A45	1 1/4	25.20	80B45	1 1/4	3 1/4	4 1/4	2	30.30	14.900	14.336
46	80A46	1 1/4	26.00	80B46	1 1/4	3 1/4	4 1/4	2	31.40	15.220	14.654
48	80A48	1 1/4	27.80	80B48	1 1/4	3 1/4	4 1/4	2	33.70	15.860	15.290
49	80A49	1 1/4	28.90	80B49	1 1/4	3 1/4	4 1/4	2	34.90	16.180	15.608
54	80A54	1 1/4	36.60	80B54	1 1/4	3 1/2	5 1/4	2	41.00	17.770	17.198
60	80A60	1 1/4	45.30	80B60	1 1/4	3 1/2	5 1/4	2	49.30	19.680	19.107
65	80A65	1 1/4	52.20							21.270	20.698
70	80A70	1 1/2	59.80							22.870	22.289
72	80A72	1 1/2	65.70							23.500	22.926
80	80A80	1 1/2	79.60							26.050	25.471
84	80A84	1 1/2	86.10							27.330	26.744
96	80A96	1 1/2	120.00							31.150	30.563
112	80A112	1 1/2	165.00							36.240	35.655

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

No. 80 1" Pitch — Finished Bore

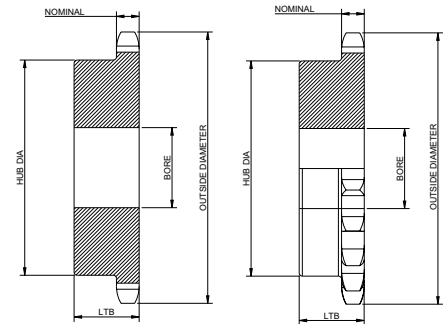
Pitch	Inner width	Roller- ø
inch	inch	inch
1"	5/6"	.625"

Hub diameters may vary to suit bore sizes

Sprockets supplied without keyway and setscrews unless specifically requested.



Type B Bored to Size



Type B Bored to Size																	Sprocket Diameters	
																	1" Pitch	
No. Teeth	Catalog Number	Available Bores (Includes Standard KW & SS)															Outside Diameter	Pitch Diameter
9	80BS9	1	1 1/8	1 3/16	1 1/4												3.350	2.924
10	80BS10	1	1 1/8	1 3/16	1 1/4												3.680	3.236
11	80BS11	1	1 1/8	1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8								4.000	3.550
12	80BS12	1	1 1/8	1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8								4.330	3.864
13	80BS13	1	1 1/8	1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16	2				4.660	4.179
14	80BS14	1	1 1/8	1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16	2				4.980	4.494
15	80BS15	1	1 1/8	1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16	2				5.300	4.810
16	80BS16	1	1 1/8	1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	1 15/16	2	2 3/16			5.630	5.126
17	80BS17	1		1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16		5.950	5.442
18	80BS18	1		1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16		6.270	5.759
19	80BS19	1		1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16		6.590	6.076
20	80BS20	1		1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16		6.910	6.392
21	80BS21	1		1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16		7.240	6.710
22	80BS22	1		1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16		7.560	7.027
24	80BS24	1		1 3/16	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16		8.200	7.661
26	80BS26				1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16	2 15/16	8.840	8.296
27	80BS27				1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16	2 15/16	9.160	8.614
28	80BS28				1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16	2 15/16	9.480	8.931
30	80BS30				1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16	2 15/16	10.110	9.567
36	80BS36				1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16	2 15/16	12.030	11.471
60	80BS60					1 3/8	1 7/16	1 1/2	1 5/8	1 3/4		1 15/16	2	2 3/16	2 7/16	2 15/16	19.680	19.107

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

No. 80 1" Pitch — Stainless Steel



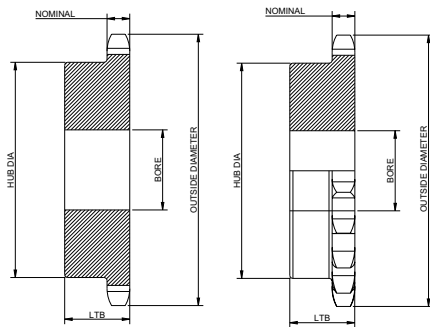
Single — Type B — Stainless Steel

Pitch	Inner width	Roller- ø
inch	inch	inch
1"	5/8"	.625"

• Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
10	3.680	3.236	80B10SS	1	1 1/2	▲ 2 9/16	1 3/8	2.20
11	4.010	3.550	80B11SS	1	1 5/8	▲ 2 13/16	1 3/8	3.20
12	4.330	3.864	80B12SS	1	1 7/8	3 1/8	1 3/8	3.40
13	4.660	4.179	80B13SS	1	2	3	1 1/2	3.50
14	4.980	4.494	80B14SS	1	2 1/4	3 1/4	1 1/2	4.10
15	5.300	4.810	80B15SS	1	2 1/2	3 13/16	1 1/2	5.30
16	5.630	5.126	80B16SS	1	2 3/4	4	1 1/2	5.90
18	6.270	5.759	80B18SS	1	2 3/4	4 1/4	1 1/2	7.30
19	6.590	6.076	80B19SS	1	2 3/4	4 1/4	1 1/2	7.80
20	6.910	6.392	80B20SS	1	2 3/4	4 1/4	1 1/2	8.40
22	7.560	7.027	80B22SS	1	2 3/4	4 1/4	1 3/4	10.00
23	7.880	7.344	80B23SS	1	2 3/4	4 1/4	1 3/4	10.70
24	8.200	7.661	80B24SS	1	2 3/4	4 1/4	1 3/4	11.30

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

No. 80 1" Pitch — Multiple Strand

Pitch	Inner width	Roller- ø
inch	inch	inch
1"	5/8"	.625"

★ Has recessed groove in hub for chain clearance

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

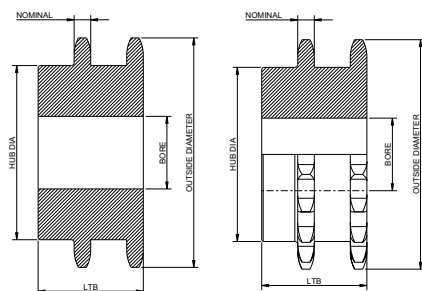
Sprockets supplied without keyway and setscrews unless specifically requested.



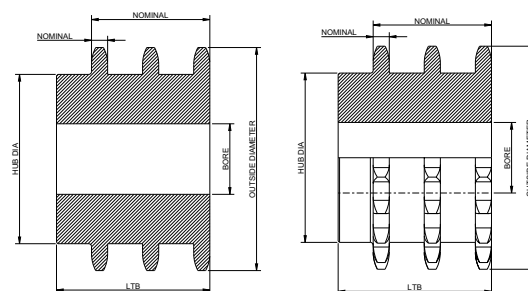
Basic Sprocket Dimensions				80-2 Double Strand					80-3 Triple Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
10	3.680	3.236	1	D80B10	4 2 9/16	2 3/4	1 1/2	3.60					
11	4.010	3.550	1	D80B11	2 1/2	2 1/2	1 3/4	4.00	T80B11	2 1/2	3 5/8	1 3/4	5.90
12	4.330	3.864	1	D80B12	3 27/32	2 1/2	1 7/8	5.10	T80B12	3 27/32	3 7/8	1 7/8	7.50
13	4.660	4.179	1	D80B13	3 5/32	2 1/2	2 1/4	6.30	T80B13	3 5/32	3 7/8	2 1/4	9.20
14	4.980	4.494	1	D80B14	3 15/32	2 1/2	2 3/8	7.60	T80B14	3 15/32	3 7/8	2 3/8	11.00
15	5.300	4.810	1	D80B15	3 51/64	2 1/2	2 1/2	9.00	T80B15	3 51/64	3 7/8	2 1/2	13.10
16	5.630	5.126	1	D80B16	4	2 3/4	2 3/4	11.00	T80B16	4	3 7/8	2 3/4	15.80
17	5.950	5.442	1	D80B17	4 27/64	2 3/4	3	13.20	T80B17	4 27/64	3 7/8	3	18.60
18	6.270	5.759	1	D80B18	4 47/64	2 3/4	3 1/4	15.00	T80B18	4 47/64	3 7/8	3 1/4	21.20
19	6.590	6.076	1	D80B19	5	2 3/4	3 5/16	17.00	T80B19	5	3 7/8	3 5/16	23.70
20	6.910	6.392	1	D80B20	5	2 3/4	3 5/16	18.20	T80B20	5	3 7/8	3 5/16	26.00
21	7.240	6.710	1	D80B21	5	2 3/4	3 5/16	19.60	T80B21	5	3 7/8	3 5/16	28.40
22	7.560	7.027	1	D80B22	5	2 3/4	3 5/16	21.00	T80B22	5	3 7/8	3 5/16	31.00
23	7.880	7.344	1	D80B23	5	2 3/4	3 5/16	22.80	T80B23	5	3 7/8	3 5/16	33.60
24	8.200	7.661	1	D80B24	5 1/4	2 3/4	3 1/2	25.10	T80B24	5 1/4	3 7/8	3 1/2	37.10
25	8.520	7.979	1	D80B25	5 1/4	3	3 1/2	28.30	T80B25	5 1/4	3 7/8	3 1/2	40.10
30	10.110	9.567	1	D80B30	5 3/4	3	3 3/4	39.50	T80B30	5 3/4	4 1/4	3 3/4	54.50
36	12.030	11.471	1 1/4	D80B36	5 3/4	3 3/8	3 3/4	54.20					

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

TYPE B – Double Strand



TYPE B – Triple Strand



No. 80 1" Pitch — Tapered Bushing

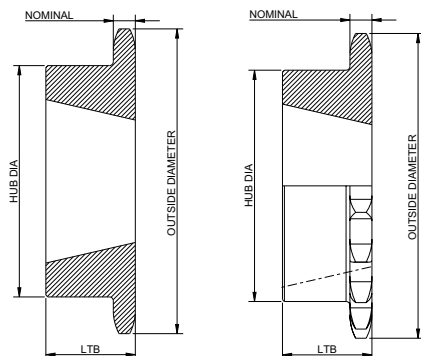


Pitch	Inner width	Roller- ø
inch	inch	inch
1"	5/8"	.625"

▲ Has recessed groove in hub for chain clearance

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



80 Type B Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
10	3.678	3.236	80BTL10	1215	1 1/4	▲ 2 3/8	1 1/2	1.10
11	4.006	3.550	80BTL11	1215	1 1/4	▲ 2 15/32	1 1/2	1.50
12	4.332	3.864	80BTL12	1615	1 5/8	▲ 3	1 1/2	1.80
13	4.657	4.179	80BTL13	1615	1 5/8	3	1 1/2	2.30
14	4.982	4.494	80BTL14	1615	1 5/8	3 1/4	1 1/2	2.50
15	5.305	4.810	80BTL15	1615	1 5/8	3 1/4	1 1/2	2.70
16	5.627	5.126	80BTL16	2012	2	3 9/16	1 3/4	2.80
17	5.950	5.442	80BTL17	2012	2	3 9/16	1 3/4	3.10
18	6.271	5.759	80BTL18	2012	2	3 9/16	1 3/4	3.60
19	6.593	6.076	80BTL19	2012	2	3 9/16	1 3/4	4.10
20	6.914	6.392	80BTL20	2517	2 1/2	4 1/4	1 3/4	5.50
21	7.235	6.710	80BTL21	2517	2 1/2	4 1/4	1 3/4	6.00
22	7.555	7.027	80BTL22	2517	2 1/2	4 1/4	1 3/4	6.50
23	7.875	7.344	80BTL23	2517	2 1/2	4 1/4	1 3/4	7.00
24	8.196	7.661	80BTL24	2517	2 1/2	4 1/4	1 3/4	7.50
25	8.516	7.979	80BTL25	2517	2 1/2	4 1/4	1 3/4	8.10
26	8.836	8.296	80BTL26	2517	2 1/2	4 1/4	1 3/4	8.80
27	9.156	8.614	80BTL27	2517	2 1/2	4 1/4	1 3/4	9.00
28	9.475	8.931	80BTL28	2517	2 1/2	4 1/4	1 3/4	9.50
30	10.114	9.567	80BTL30	2517	2 1/2	4 1/4	1 3/4	11.50
32	10.753	10.202	80BTL32	2517	2 1/2	4 1/4	1 3/4	12.00
35	11.711	11.156	80BTL35	2517	2 1/2	4 1/4	1 3/4	15.20
36	12.030	11.471	80BTL36	2517	2 1/2	4 1/4	1 3/4	17.00
40	13.306	12.746	80BTL40	2517	2 1/2	4 1/4	1 3/4	21.00
45	14.901	14.336	80BTL45	2517	2 1/2	4 1/4	1 3/4	26.50
48	15.857	15.290	80BTL48	2517	2 1/2	4 1/4	1 3/4	29.50
54	17.769	17.198	80BTL54	2517	2 1/2	4 1/4	1 3/4	38.50
60	19.681	19.107	80BTL60	2517	2 1/2	4 1/4	1 3/4	45.00
70	22.867	22.289	80BTL70	3020	3	5 1/4	2	52.30
80	26.052	25.471	80BTL80	3020	3	5 1/4	2	69.20

Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
1615	1/2 — 1 1/4	1.20
2012	1/2 — 2	1.70
2517	1/2 — 2 1/2	3.50
3020	15/16 — 3	6.50

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

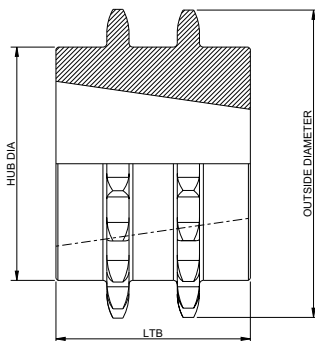
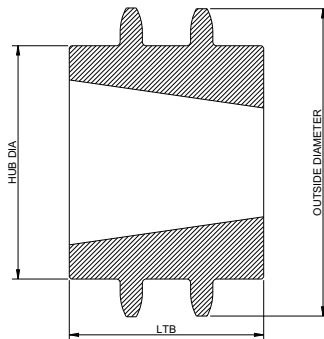
No. 80 1" Pitch — Tapered Bushing



80 Double Tapered Bushing

Pitch	Inner width	Roller- ø
inch	inch	inch
1"	5/8"	.625"

Sprockets supplied without keyway and setscrews unless specifically requested.



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
13	4.657	4.179	D80ATL13	1615	1 5/8		1 1/2	3.40
14	4.982	4.494	D80ATL14	2012	2		1 3/4	3.50
15	5.305	4.810	D80ATL15	2012	2		1 3/4	4.30
16	5.627	5.126	D80ATL16	2517	2 1/2		1 3/4	3.80
17	5.950	5.442	D80ATL17	2517	2 1/2		1 3/4	5.10
18	6.271	5.759	D80ATL18	2517	2 1/2		1 3/4	6.40
19	6.593	6.076	D80BTL19	3020	3	5	2	5.60
20	6.914	6.392	D80BTL20	3020	3	5 1/4	2	7.10
21	7.235	6.710	D80BTL21	3020	3	5 9/16	2	8.90
25	8.516	7.979	D80BTL25	3020	3	6 7/8	2	16.50

Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
1615	1/2 — 1 5/8	1.20
2012	1/2 — 2	1.70
2517	1/2 — 2 1/2	3.50
3020	1 5/16 — 3	6.50

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

No. 80 1" Pitch — QD®

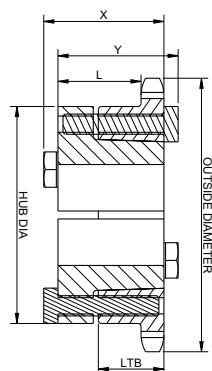
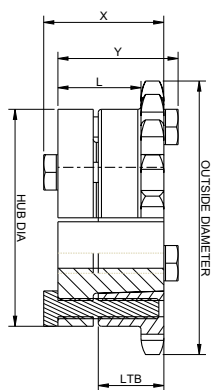


80 QD® 1" Pitch

Pitch	Inner width	Roller- ø
inch	inch	inch
1"	5/8"	.625"

QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
11	4.010	3.550	80SH11	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	21/32	1.00
12	4.330	3.864	80SH12	SH	1 5/8	B	2 11/16	13/16	1 7/16	1 7/16	21/32	1.40
13	4.660	4.179	80SDS13	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	47/64	1.50
14	4.980	4.494	80SDS14	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	47/64	1.80
15	5.300	4.810	80SK15	SK	2 5/8	B	3 7/8	1 1/4	2 3/8	2 3/8	1 19/64	2.50
16	5.630	5.126	80SK16	SK	2 5/8	B	3 7/8	1 1/4	2 3/8	2 3/8	1 19/64	3.10
17	5.950	5.442	80SK17	SK	2 5/8	B	3 7/8	1 1/4	2 3/8	2 3/8	1 19/64	3.50
18	6.270	5.759	80SK18	SK	2 5/8	B	3 7/8	1 1/4	2 3/8	2 3/8	1 19/64	3.90
19	6.590	6.076	80SK19	SK	2 5/8	B	3 7/8	1 1/4	2 3/8	2 3/8	1 19/64	4.40
20	6.910	6.392	80SF20	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	5.30
21	7.240	6.710	80SF21	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	5.70
22	7.560	7.027	80SF22	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	6.30
23	7.880	7.344	80SF23	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	6.80
24	8.200	7.661	80SF24	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	7.50
25	8.520	7.979	80SF25	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	8.00
26	8.840	8.296	80SF26	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	8.60
27	9.160	8.614	80SF27	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	9.40
28	9.480	8.931	80SF28	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	10.20
30	10.110	9.567	80SF30	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	11.30
32	10.750	10.202	80SF32	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	13.00
33	11.070	10.520	80SF33	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	13.50
34	11.390	10.838	80SF34	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	14.10
35	11.710	11.156	80SF35	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	15.50
36	12.030	11.471	80SF36	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	16.90
40	13.310	12.746	80SF40	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	20.60
42	13.940	13.382	80SF42	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	22.40
45	14.900	14.336	80SF45	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	25.10
48	15.860	15.290	80SF48	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	28.60
54	17.770	17.198	80SF54	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	36.80
60	19.680	19.107	80SF60	SF	2 15/16	B	4 5/8	1 1/4	2 3/4	2 3/4	1 27/64	45.80

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
SH	1/2 — 1 3/8	7/16 — 1 5/8	1 11/16	.70
SDS	1/2 — 1 11/16	3/4 — 1 15/16	2	1.00
SK	1/2 — 2 1/8	2 3/16 — 2 1/2	2 9/16 — 2 5/8	2.10
SF	1/2 — 2 5/16	2 3/8 — 2 13/16	2 13/16 — 2 15/16	3.10

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

No. 100 1 1/4" Pitch — Plain Bore

Pitch	Inner width	Roller- ø
inch	inch	inch
1 1/4"	3/4"	.750"

- ▲ Has recessed groove in hub for chain clearance
- † Dimensions shown allow for standard keyway with set screw at 90°
- ★ Hub diameter may vary to suit bore sizes

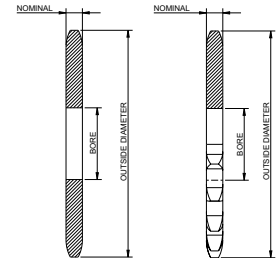
Sprockets supplied without keyway and setscrews unless specifically requested.

Sprocket Diameters			Type A			Type B, Type C					
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	★ Hub Dia.	LTB	Wt. Lbs.
8	3.770	3.266	100A8	1	1.40	100B8	1	1 1/4	▲ 2 7/16	1 7/8	2.30
9	4.180	3.655	100A9	1	1.60	100B9	1	1 5/8	▲ 2 13/16	1 7/8	3.20
10	4.600	4.045	100A10	1	2.00	100B10	1	1 7/8	▲ 3 1/4	1 7/8	4.10
11	5.010	4.438	100A11	1 1/4	2.50	100B11	1	2 1/4	▲ 3 9/16	1 7/8	5.30
12	5.420	4.830	100A12	1 1/4	3.00	100B12	1	2 3/4	▲ 4	1 7/8	6.40
13	5.820	5.224	100A13	1 1/4	3.50	100B13	1	2 3/8	3 7/8	1 7/8	6.60
14	6.230	5.618	100A14	1 1/4	4.10	100B14	1 1/4	2 3/4	4 3/16	1 7/8	7.40
15	6.630	6.013	100A15	1 1/4	4.70	100B15	1 1/4	3	4 1/2	1 3/4	9.20
16	7.030	6.408	100A16	1 1/4	5.40	100B16	1 1/2	3	4 1/2	1 3/4	9.90
17	7.440	6.803	100A17	1 1/4	6.10	100B17	1 1/2	3	4 1/2	1 3/4	10.80
18	7.840	7.199	100A18	1 1/4	7.00	100B18	1 1/2	3	4 1/2	1 3/4	11.50
19	8.240	7.595	100A19	1 1/4	7.80	100B19	1 1/2	3	4 1/2	2	13.10
20	8.640	7.990	100A20	1 1/4	8.80	100B20	1 1/2	3	4 1/2	2	14.20
21	9.040	8.388	100A21	1 1/4	9.80	100B21	1 1/2	3	4 1/2	2	15.30
22	9.440	8.784	100A22	1 1/4	10.50	100B22	1 1/2	3	4 1/2	2	16.10
23	9.840	9.180	100A23	1 1/4	11.80	100B23	1 1/4	3	4 1/2	2	17.20
24	10.250	9.576	100A24	1 1/4	12.80	100B24	1 1/4	3	4 1/2	2	19.20
25	10.650	9.974	100A25	1 1/4	13.90	100B25	1 1/4	3	4 1/2	2	19.50
26	11.050	10.370	100A26	1 1/4	15.00	100B26	1 1/4	3 5/16	5	2	21.70
27	11.440	10.768	100A27	1 1/4	16.00	100B27	1 1/4	3 5/16	5	2	23.00
28	11.840	11.164	100A28	1 1/4	17.40	100B28	1 1/4	3 5/16	5	2	24.40
30	12.640	11.959	100A30	1 1/4	20.10	100B30	1 1/4	3 5/16	5	2	26.90
32	13.440	12.753	100A32	1 1/4	22.60	100B32	1 1/4	3 5/16	5	2	29.80
35	14.640	13.945	100A35	1 1/4	27.20	100B35	1 1/4	3 5/16	5	2 1/2	36.90
36	15.040	14.343	100A36	1 1/4	30.00	100B36	1 1/4	3 5/16	5	2 1/2	38.60
40	16.630	15.933	100A40	1 1/4	37.00	100B40	1 1/4	3 5/16	5	2 1/2	46.90
42	17.430	16.728	100A42	1 1/4	40.00	100B42	1 1/4	3 5/16	5	2 1/2	50.40
45	18.630	17.920	100A45	1 1/2	47.00	100B45	1 1/2	3 5/16	5	2 1/2	54.00
48	19.820	19.113	100A48	1 1/2	54.00	100B48	1 1/2	3 5/16	6 1/4	2 1/2	61.00
54	22.210	21.498	100A54	1 1/2	68.00						
60	24.600	23.884	100A60	1 1/2	80.00	100C60	1 1/2	3 3/4	6	3 3/4	89.00
70	28.580	27.861	100A70	1 1/2	113.00	100C70	1 1/2	3 3/4	7	3 3/4	125.00
72	29.380	28.658	100A72	1 1/2	119.00	100C72	1 1/2	3 3/4	7	3 3/4	134.00
80	32.570	31.839	100A80	1 1/2	146.00	100C80	1 1/2	3 3/4	7	3 3/4	151.00
84	34.160	33.430	100A84	1 1/2	162.00	100C84	1 1/2	3 3/4	7	3 3/4	170.00
90	36.550	35.818	100A90	1 1/2	193.00	100C90	1 1/2	3 3/4	7	3 3/4	184.00
96	38.930	38.204	100A96	1 1/2	215.00	100C96	1 1/2	3 1/2	7	3 1/2	203.00

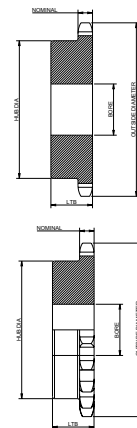
Some sizes are Made-To-Order, consult iwisis for availability.



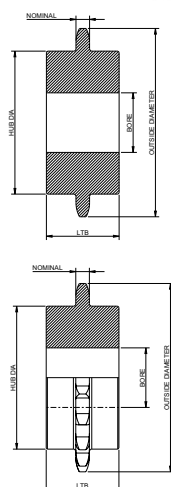
TYPE A



TYPE B



TYPE C



No. 100 1 1/4" Pitch — Multiple Strand

Pitch	Inner width	Roller- Ø
inch	inch	inch
1 1/4"	3/4"	.750"

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

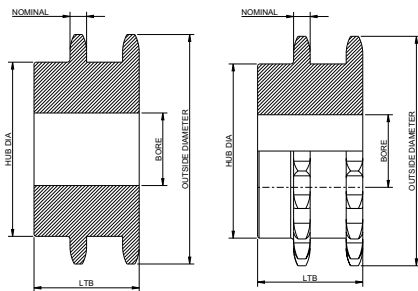
Sprockets supplied without keyway and setscrews unless specifically requested.



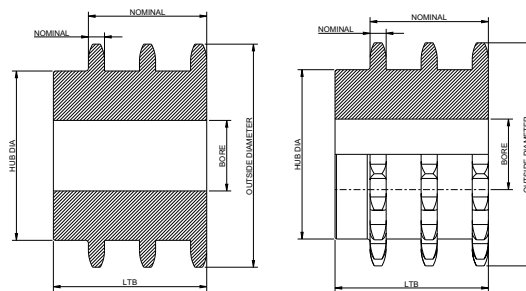
Basic Sprocket Dimensions				100-2 Double Strand					100-3 Triple Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
9	4.180	3.655	1	D100B9	2 3/8	2 7/8	1 5/8	4.60					
10	4.600	4.045	1	D100B10	2 3/4	2 7/8	1 7/8	6.20					
11	5.010	4.438	1	D100B11	3 1/8	2 7/8	2 1/8	7.90					
12	5.420	4.830	1 1/8	D100B12	3 3/8	2 7/8	2 1/4	9.30					
13	5.820	5.224	1 1/8	D100B13	3 13/16	2 7/8	2 1/2	11.40	T100B13	3 13/16	4 1/4	2 1/2	16.90
14	6.230	5.618	1 1/8	D100B14	4 1/16	2 7/8	2 3/4	13.60	T100B14	4 1/16	4 1/4	2 3/4	20.20
15	6.630	6.013	1 1/4	D100B15	4 5/8	3 3/8	3 3/8	17.10	T100B15	4 5/8	4 1/2	3 3/8	25.00
16	7.030	6.408	1 1/4	D100B16	5	3 3/8	3 3/16	20.10	T100B16	5	4 1/2	3 3/16	29.30
17	7.440	6.803	1 1/4	D100B17	5 1/4	3 3/8	3 1/2	23.10	T100B17	5 1/4	4 3/4	3 1/2	33.80
18	7.840	7.199	1 1/4	D100B18	5 1/4	3 3/8	3 1/2	25.40	T100B18	5 1/4	4 3/4	3 1/2	38.60
19	8.240	7.595	1 1/4	D100B19	5 1/2	3 3/8	3 3/4	29.60	T100B19	5 1/2	4 3/4	3 3/4	43.30
20	8.640	7.990	1 1/4	D100B20	5 1/2	3 3/8	3 3/4	32.40	T100B20	5 1/2	4 3/4	3 3/4	47.90
21	9.040	8.388	1 1/4	D100B21	5 1/2	3 3/8	3 3/4	35.30	T100B21	5 1/2	4 3/4	3 3/4	52.30
22	9.440	8.784	1 1/4	D100B22	5 1/2	3 3/8	3 3/4	38.40	T100B22	5 1/2	4 3/4	3 3/4	57.50
23	9.850	9.180	1 1/4	D100B23	5 1/2	3 3/8	3 3/4	41.30	T100B23	5 1/2	4 3/4	3 3/4	62.50
24	10.250	9.576	1 1/4	D100B24	5 3/4	3 3/8	3 3/4	45.10	T100B24	5 3/4	4 3/4	3 3/4	69.00
25	10.650	9.974	1 1/4	D100B25	5 3/4	3 3/8	3 3/4	48.50	T100B25	5 3/4	4 3/4	3 3/4	73.00
26	11.050	10.370	1 1/2	D100B26	5 3/4	3 3/8	3 3/4	51.50	T100B26	5 3/4	4 3/4	3 13/16	79.00
30	12.640	11.959	1 1/2	D100B30	5 3/4	3 3/8	3 3/4	65.00	T100B30	5 3/4	4 3/4	3 13/16	103.00

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

TYPE B – Double Strand



TYPE B – Triple Strand



No. 100 1 1/4" Pitch — Tapered Bushing



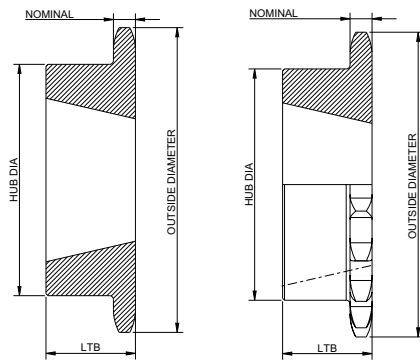
Pitch	Inner width	Roller- ø
inch	inch	inch
1 1/4"	3/4"	.750"

Sprockets supplied without keyway and setscrews unless specifically requested.

100 Type B Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
11	5.007	4.438	100BTL11	1615	1 3/8	3	1 1/2	2.70
12	5.415	4.830	100BTL12	1615	1 3/8	3 1/4	1 1/2	3.50
13	5.821	5.224	100BTL13	2012	2	3 9/16	1 3/4	3.60
14	6.227	5.618	100BTL14	2012	2	3 9/16	1 3/4	3.90
15	6.631	6.013	100BTL15	2517	2 1/2	4 1/4	1 3/4	5.00
16	7.034	6.408	100BTL16	2517	2 1/2	4 1/2	1 3/4	6.40
17	7.437	6.803	100BTL17	2517	2 1/2	4 1/2	1 3/4	7.10
18	7.839	7.199	100BTL18	2517	2 1/2	4 1/2	1 3/4	7.80
19	8.241	7.595	100BTL19	2517	2 1/2	4 1/2	1 3/4	8.70
20	8.642	7.990	100BTL20	2517	2 1/2	4 1/2	1 3/4	9.60
21	9.043	8.388	100BTL21	2517	2 1/2	4 1/2	1 3/4	10.60
22	9.444	8.784	100BTL22	2517	2 1/2	4 1/2	1 3/4	11.00
24	10.245	9.576	100BTL24	2517	2 1/2	4 1/2	1 3/4	13.00
26	11.045	10.370	100BTL26	2517	2 1/2	4 1/2	1 3/4	15.00
28	11.844	11.164	100BTL28	3020	3	5 1/4	2	16.50
30	12.643	11.959	100BTL30	3020	3	5 1/4	2	22.00
32	13.442	12.753	100BTL32	3020	3	5 1/4	2	23.00
35	14.639	13.945	100BTL35	3020	3	5 1/4	2	28.00
36	15.038	14.343	100BTL36	3020	3	5 1/4	2	31.00
40	16.633	15.933	100BTL40	3020	3	5 1/4	2	37.00
45	18.626	17.920	100BTL45	3020	3	5 1/4	2	46.00
48	19.821	19.113	100BTL48	3020	3	5 1/4	2	53.00
54	22.212	21.498	100BTL54	3020	3	5 1/4	2	62.00
60	24.601	23.884	100BTL60	3020	3	5 1/4	2	72.00

TYPE B



Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
1615	1/2 — 1 3/8	1.00
2012	1/2 — 2	1.40
2517	1/2 — 2 1/2	3.20
3020	15/16 — 3	5.80

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

No. 100 1 1/4" Pitch — QD®

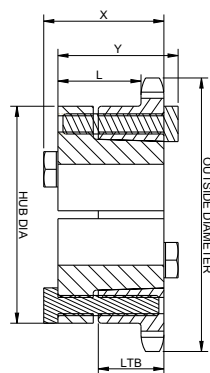
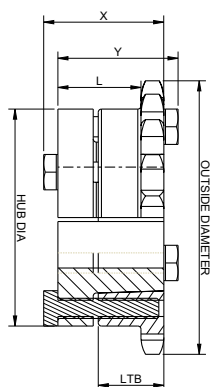


100 QD® 1 1/4" Pitch

Pitch	Inner width	Roller- ø
inch	inch	inch
1 1/4"	3/4"	.750"

QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
11	5.010	4.438	100SDS11	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	5/8	2.00
12	5.420	4.830	100SDS12	SDS	2	B	3 3/16	3/4	1 1/2	1 1/2	5/8	2.60
13	5.820	5.224	100SK13	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 13/64	3.30
14	6.230	5.618	100SK14	SK	2 5/8	B	3 7/8	1 1/4	2 1/8	2 1/8	1 13/64	4.10
15	6.630	6.013	100SF15	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 19/64	4.80
16	7.030	6.408	100SF16	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 19/64	5.60
17	7.440	6.803	100SF17	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 19/64	6.50
18	7.840	7.199	100E18	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	9.00
19	8.240	7.595	100E19	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	10.20
20	8.640	7.990	100E20	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	11.60
21	9.040	8.388	100E21	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	12.50
22	9.440	8.784	100E22	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	13.50
24	10.250	9.576	100E24	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	14.60
28	11.840	11.164	100E28	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	20.70
30	12.640	11.959	100E30	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	23.20
32	13.440	12.753	100E32	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	25.40
35	14.640	13.945	100E35	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	30.50
36	15.040	14.343	100E36	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	32.30
40	16.630	15.933	100E40	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	39.10
42	17.430	16.728	100E42	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	43.40
45	18.630	17.920	100E45	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	48.90
48	19.820	19.113	100E48	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	1 13/16	54.00
54	22.210	21.498	100E54	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	7/8	62.00
60	24.600	23.884	100E60	E	3 1/2	B	6	1 5/8	2 5/8	2 5/8	7/8	74.00

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
SDS	1/2 — 1 13/16	1 3/4 — 1 15/16	2	1.00
SK	1/2 — 2 1/8	2 3/16 — 2 1/2	2 9/16 — 2 5/8	2.00
SF	1/2 — 2 1/4	2 5/16 — 2 3/4	2 13/16 — 2 15/16	3.00
E	7/8 — 2 3/4	2 13/16 — 3 7/16	3 1/2	10.00

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

No. 120 1 1/2" Pitch — Plain Bore

Pitch	Inner width	Roller- ø
inch	inch	inch
1 1/2"	1"	.875"

- ▲ Has recessed groove in hub for chain clearance
- † Dimensions shown allow for standard keyway with set screw at 90°
- ★ Hub diameter may vary to suit bore sizes

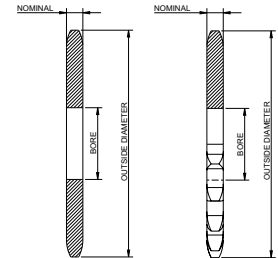
Sprockets supplied without keyway and setscrews unless specifically requested.

Sprocket Diameters			Type A			Type B, Type C					
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	★ Hub Dia.	LTB	Wt. Lbs.
9	5.020	4.386	120A9	1 1/4	3.00	120B9	1 3/8	1 13/16	▲ 3 3/8	2 1/4	5.30
10	5.520	4.854	120A10	1 1/4	3.80	120B10	1 3/8	2 1/4	▲ 3 3/4	2 1/4	7.10
11	6.010	5.325	120A11	1 1/4	4.80	120B11	1 3/8	2 3/8	3 9/16	2 1/8	7.60
12	6.500	5.796	120A12	1 1/4	5.80	120B12	1 3/8	3	4 1/8	2 1/8	9.90
13	6.990	6.269	120A13	1 1/4	6.70	120B13	1 3/8	3 1/4	4 9/16	2 1/4	12.40
14	7.470	6.741	120A14	1 1/4	8.00	120B14	1 3/8	3 1/4	4 3/4	2 1/4	14.40
15	7.960	7.215	120A15	1 1/4	9.10	120B15	1 1/4	3 1/2	4 3/4	2 3/8	16.70
16	8.440	7.689	120A16	1 1/4	10.60	120B16	1 1/4	3 1/2	5 1/4	2 3/8	19.90
17	8.920	8.163	120A17	1 1/4	12.60	120B17	1 1/4	3 1/2	5 1/4	2 3/8	20.80
18	9.410	8.639	120A18	1 1/4	13.60	120B18	1 1/4	3 1/2	5 1/4	2 3/8	22.20
19	9.890	9.114	120A19	1 1/4	15.10	120B19	1 1/4	3 1/2	5 1/4	2 3/8	24.80
20	10.370	9.588	120A20	1 1/4	16.90	120B20	1 1/4	3 1/2	5 1/4	2 3/8	25.80
21	10.850	10.065	120A21	1 1/4	18.70	120B21	1 1/4	3 1/2	5 1/4	2 3/8	26.70
22	11.330	10.541	120A22	1 1/4	20.00	120B22	1 1/4	3 1/2	5 1/4	2 3/8	28.20
23	11.810	11.016	120A23	1 1/4	22.10	120B23	1 1/4	3 1/2	5 1/4	2 3/8	30.30
24	12.290	11.492	120A24	1 1/4	24.80	120B24	1 1/4	3 1/2	5 1/4	2 3/8	32.10
25	12.770	11.969	120A25	1 1/4	26.80	120B25	1 1/4	3 1/2	5 1/4	2 3/8	34.60
26	13.250	12.444	120A26	1 1/2	28.30	120B26	1 1/2	4	6	2 1/2	40.00
27	13.730	12.921	120A27	1 1/2	30.90	120B27	1 1/2	4	6	2 1/2	42.50
28	14.210	13.397	120A28	1 1/2	33.60	120B28	1 1/2	4	6	2 1/2	44.90
30	15.170	14.351	120A30	1 1/2	39.00	120B30	1 1/2	4	6	2 1/2	50.20
32	16.130	15.303	120A32	1 1/2	43.90	120B32	1 1/2	4	6	2 1/2	56.00
35	17.570	16.734	120A35	1 1/2	52.00	120B35	1 1/2	4	6	2 1/2	62.90
36	18.050	17.211	120A36	1 1/2	56.00	120B36	1 1/2	4	6	2 1/2	66.40
40	19.960	19.119	120A40	1 1/2	71.00	120C40	1 1/2	4	6	3 3/4	92.00
42	20.920	20.073	120A42	1 1/2	85.00	120C42	1 1/2	4	6	3 3/4	98.00
45	22.350	21.504	120A45	1 1/2	88.00	120C45	1 1/2	4	6	3 3/4	99.20
48	23.790	22.935	120A48	1 1/2	103.00	120C48	1 1/2	4	6	4	113.00
54	26.650	25.797	120A54	1 1/2	140.00						
60	29.520	28.661	120A60	1 1/2	160.00						
70	34.300	33.434	120A70	1 1/2	216.00						
80	39.080	38.207	120A80	1 1/2	284.00						

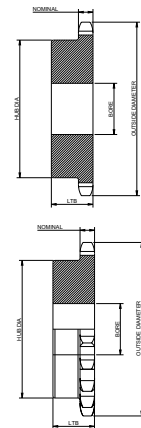
Some sizes are Made-To-Order, consult iwisis for availability.



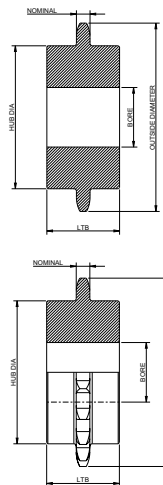
TYPE A



TYPE B



TYPE C



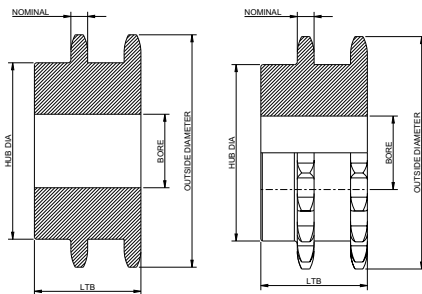
No. 120 1 1/2" Pitch — Multiple Strand



Pitch	Inner width	Roller- Ø
inch	inch	inch
1 1/2"	1"	.875"

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

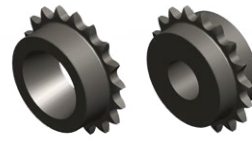
Sprockets supplied without keyway and setscrews unless specifically requested.



Basic Sprocket Dimensions				120-2 Double Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	6.010	5.325	1 1/2	D120B11	3 5/16	3 3/4	2 3/8	13.60
12	6.500	5.796	1 1/2	D120B12	4 1/16	3 3/4	2 3/4	17.30
13	6.990	6.269	1 1/2	D120B13	4 1/2	3 3/4	3	21.10
14	7.470	6.741	1 1/2	D120B14	5	3 3/4	3 5/16	25.60
15	7.960	7.215	1 1/2	D120B15	5 1/4	3 3/4	3 1/2	29.90
16	8.440	7.689	1 1/2	D120B16	5 3/4	3 3/4	3 1/2	33.80
17	8.920	8.163	1 1/2	D120B17	5 3/4	3 3/4	3 1/2	36.90
18	9.410	8.639	1 1/2	D120B18	5 3/4	3 3/4	3 1/2	41.90
19	9.890	9.114	1 1/2	D120B19	5 3/4	3 3/4	3 1/2	46.50
20	10.370	9.588	1 1/2	D120B20	5 1/2	3 3/4	3 1/2	50.20
21	10.850	10.065	1 1/2	D120B21	5 1/2	3 3/4	3 1/2	55.60
22	11.330	10.541	1 1/2	D120B22	5 3/4	4	3 13/16	64.00
23	11.810	11.016	1 1/2	D120B23	6 1/2	4	4 1/4	75.00
24	12.290	11.492	1 1/2	D120B24	6 1/2	4	4 1/4	79.00
25	12.780	11.969	1 1/2	D120B25	6 1/2	4	4 1/4	84.00
26	13.250	12.444	1 1/2	D120B26	6 1/2	4	4 1/4	90.00
30	15.170	14.351	1 1/2	D120B30	6 1/2	4	4 1/4	119.00

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

No. 120 1 1/2" Pitch — Tapered Bushing



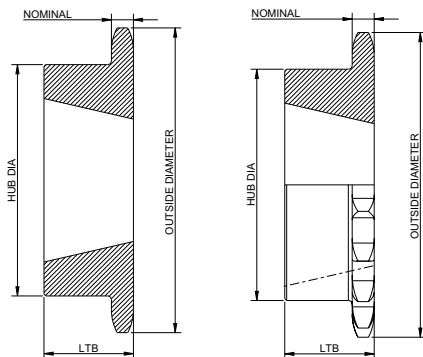
120 Type B & C Tapered Bushing

Pitch	Inner width	Roller- ø
inch	inch	inch
1 1/2"	1"	.875"

Sprockets supplied without keyway and setscrews unless specifically requested.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
35	17.566	16.734	120BTL35	3020	3	5 1/4	2	52.00
45	22.351	21.504	120CTL45	3030	3	5 7/8	3	82.00
60	29.522	28.661	120CTL60	3535	3 1/2	6 1/2	3 1/2	140.00
70	34.301	33.434	120CTL70	3535	3 1/2	6 1/2	3 1/2	175.00
80	39.078	38.207	120CTL80	3535	3 1/2	6 1/2	3 1/2	220.00

TYPE B – BTL

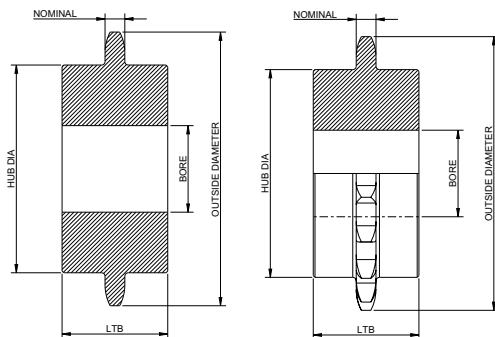


Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
3020	1 5/16 – 3	6.50
3030	1 1/16 – 3 7/16	9.20
3535	1 3/16 – 3 15/16	14.00

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

TYPE C – CTL



No. 120 1 1/2" Pitch — QD®



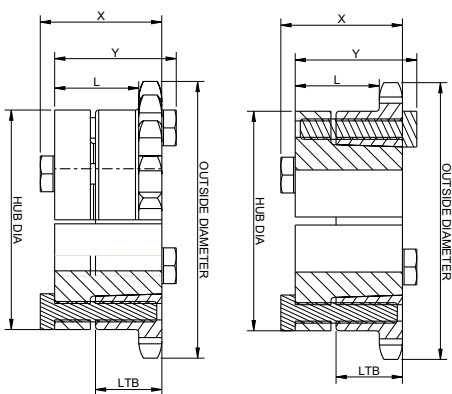
120 QD® 1 1/2" Pitch

Pitch	Inner width	Roller- ø
inch	inch	inch
1 1/2"	1"	.875"

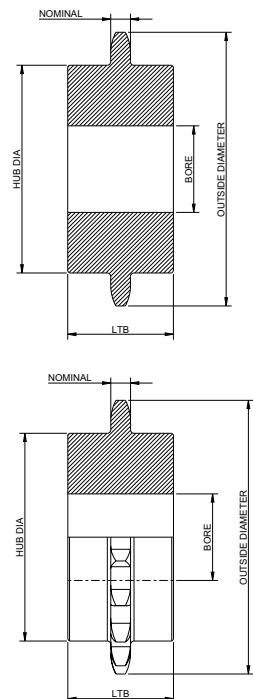
QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



TYPE C



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
12	6.500	5.796	120SF12	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 5/64	4.70
13	6.990	6.269	120SF13	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 5/64	6.10
14	7.470	6.741	120SF14	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 5/64	7.40
15	7.960	7.215	120SF15	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 5/64	8.00
16	8.440	7.689	120E16	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	11.20
17	8.920	8.163	120E17	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	13.40
18	9.410	8.639	120E18	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	14.80
19	9.890	9.114	120E19	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	16.50
20	10.370	9.588	120E20	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	19.20
21	10.850	10.065	120E21	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	19.90
22	11.330	10.541	120E22	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	21.60
23	11.810	11.016	120E23	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	23.80
24	12.290	11.492	120E24	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	25.80
25	12.770	11.969	120E25	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	28.10
26	13.250	12.444	120E26	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	29.90
28	14.210	13.397	120E28	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	34.70
30	15.170	14.351	120E30	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 1/16	39.40
32	16.130	15.303	120F32	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	50.50
35	17.570	16.734	120F35	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	59.50
36	18.050	17.211	120F36	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	63.40
40	19.960	19.119	120F40	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	77.00
42	20.920	20.073	120F42	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	83.00
45	22.350	21.504	120F45	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	87.50
48	23.790	22.935	120F48	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	92.00
54	26.650	25.797	120F54	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	114.00
60	29.520	28.661	120J60	J	4 7/16	C	7 1/4	3 3/16	4 1/2	5	1 3/16	177.00

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
SF	1/2 — 2 1/4	2 5/16 — 2 3/4	2 13/16 — 2 15/16	3.10
E	7/8 — 2 3/4	2 13/16 — 3 7/16	3 1/2	7.10
F	1 — 3 1/4	3 3/16 — 3 15/16	4	8.70
J	1 7/16 — 3 3/4	3 13/16 — 4 1/2	—	16.80

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

No. 140 1 3/4" Pitch — Plain Bore

Pitch	Inner width	Roller- ø
inch	inch	inch
1 3/4"	1"	1.000"

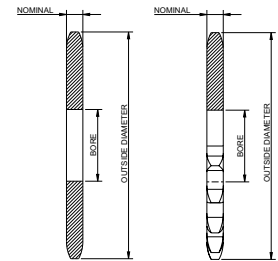
† Dimensions shown allow for standard keyway with set screw at 90°
★ Hub diameter may vary to suit bore sizes

Sprockets supplied without keyway and setscrews unless specifically requested.

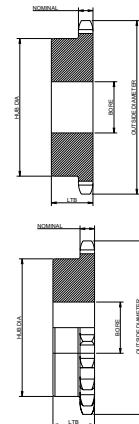
Sprocket Diameters			Type A			Type B, Type C					
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	★ Hub Dia.	LTB	Wt. Lbs.
11	7.010	6.213	140A11	1 1/2	5.00	140B11	1 1/2	2 3/4	4 1/4	2 1/4	11.30
12	7.580	6.762	140A12	1 1/2	7.80	140B12	1 1/2	3	4 1/2	2 1/4	13.20
13	8.150	7.313	140A13	1 1/2	8.20	140B13	1 1/2	3 3/4	5 1/2	2 3/8	18.90
14	8.720	7.865	140A14	1 1/2	10.00	140B14	1 1/2	3 3/4	5 1/2	2 3/8	20.40
15	9.280	8.418	140A15	1 1/2	11.00	140B15	1 1/2	4 1/4	6 1/4	2 3/8	25.10
16	9.850	8.971	140A16	1 1/2	14.00	140B16	1 1/2	4 1/4	6 1/4	2 1/2	27.90
17	10.410	9.524	140A17	1 1/2	16.00	140B17	1 1/2	4 1/4	6 1/4	2 1/2	29.80
18	10.970	10.078	140A18	1 1/2	18.00	140B18	1 1/2	4 1/4	6 1/4	2 1/2	32.00
19	11.540	10.633	140A19	1 1/2	21.00	140B19	1 1/2	4 1/4	6 1/4	2 1/2	34.10
20	12.100	11.186	140A20	1 1/2	23.00	140B20	1 1/2	4 1/4	6 1/4	2 1/2	36.00
21	12.660	11.743	140A21	1 1/2	25.00	140B21	1 1/2	4 1/4	6 1/4	2 1/2	38.70
22	13.220	12.297	140A22	1 1/2	28.00	140B22	1 1/2	4 1/4	6 1/4	2 1/2	40.60
23	13.780	12.852	140A23	1 1/2	30.00	140B23	1 1/2	4 1/4	6 1/4	2 1/2	42.10
24	14.340	13.407	140A24	1 1/2	33.00	140B24	1 1/2	4 1/4	6 1/4	2 1/2	46.20
25	14.900	13.963	140A25	1 1/2	34.00	140B25	1 1/2	4 1/4	6 1/4	2 1/2	47.80
26	15.460	14.518	140A26	1 1/2	39.00	140B26	1 1/2	4 1/4	6 1/4	3	57.20
28	16.580	15.629	140A28	1 1/2	45.00	140B28	1 1/2	4 1/4	6 1/4	3	62.20
30	17.700	16.742	140A30	1 1/2	52.00	140B30	1 1/2	4 1/4	6 1/4	3	69.80
32	18.820	17.854	140A32	1 1/2	60.00	140B32	1 1/2	4 1/4	6 1/4	3	76.30
35	20.490	19.523	140A35	1 1/2	73.00	140C35	1 1/2	5 1/4	7	4	108.00
36	21.050	20.080	140A36	1 1/2	77.00	140C36	1 1/2	5 1/4	7	4	110.00
40	23.290	22.306	140A40	1 1/2	93.00	140C40	1 1/2	5 1/4	7	4	121.00
45	26.080	25.088	140A45	1 1/2	131.00						
48	27.750	26.758	140A48	1 1/2	134.00						
54	31.100	30.097	140A54	1 1/2	173.00						
60	34.440	33.437	140A60	1 1/2	219.00						
70	40.020	39.006	140A70	1 1/2	292.00						
80	45.590	44.574	140A80	1 1/2	402.00						

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

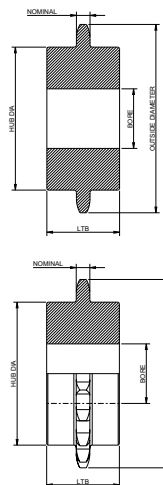
TYPE A



TYPE B



TYPE C



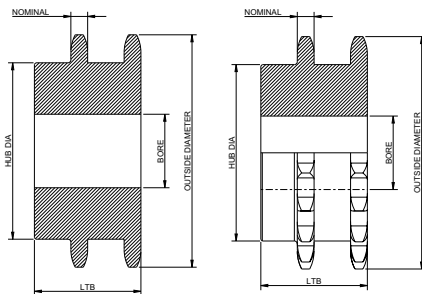
No. 140 1 3/4" Pitch — Multiple Strand



Pitch	Inner width	Roller- Ø
inch	inch	inch
1 3/4"	1"	1.000"

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

Sprockets supplied without keyway and setscrews unless specifically requested.



Basic Sprocket Dimensions				140-2 Double Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
13	8.150	7.313	1 5/8	D140B13	5	3 3/4	3 5/16	29.00
14	8.720	7.865	1 5/8	D140B14	5 1/2	3 3/4	3 3/4	34.80
15	9.280	8.418	1 5/8	D140B15	6 1/2	3 3/4	4 1/2	42.50
16	9.850	8.971	1 5/8	D140B16	7	4	5 1/4	48.10
17	10.410	9.524	1 5/8	D140B17	7	4	5 1/4	57.50
18	10.980	10.078	1 3/4	D140B18	7	4	5 1/4	65.60
19	11.540	10.633	1 3/4	D140B19	7	4	5 1/4	72.00
20	12.100	11.186	1 3/4	D140B20	7	4	5 1/4	76.00
21	12.660	11.743	1 3/4	D140B21	7	4	5 1/4	82.00
22	13.220	12.297	1 3/4	D140B22	7	4	5 1/4	94.00
23	13.780	12.852	1 3/4	D140B23	7	4	5 1/4	100.00
24	14.340	13.407	1 3/4	D140B24	7	4	5 1/4	104.00
25	14.900	13.963	1 3/4	D140B25	7	4	5 1/4	120.00
26	15.460	14.518	1 3/4	D140B26	7	4	5 1/4	128.00

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

No. 140 1 3/4" Pitch — Tapered Bushing



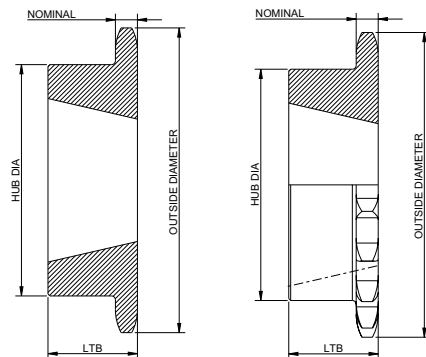
Pitch	Inner width	Roller- ø
inch	inch	inch
1 3/4"	1"	1.000"

Sprockets supplied without keyway and setscrews unless specifically requested.

Type B Tapered Bushing

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Hub. Dia.	LTB	Wt. Lbs.
35	20.494	19.523	140CTL35	3535	3 1/2	6 1/2	3 1/2	78.00
45	26.076	25.088	140CTL45	4040	4	7 3/4	4	118.00
60	34.442	33.437	140CTL60	4040	4	7 3/4	4	188.00
70	40.017	39.006	140CTL70	4040	4	7 3/4	4	241.00

TYPE B



Tapered Bushing

Bushing	Bore Range	Wt. Lbs.
3535	1 3/16 — 3 1/2	14.00
4040	2 3/16 — 4 1/2	22.00

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

No. 140 1 3/4" Pitch — QD®



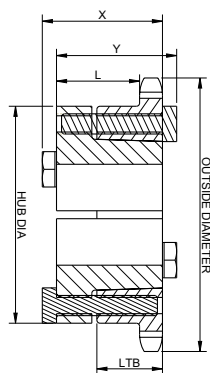
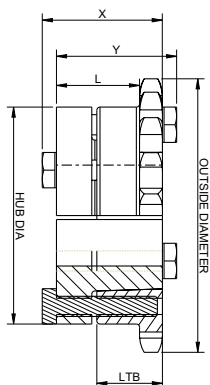
140 QD® 1 3/4" Pitch

Pitch	Inner width	Roller- ø
inch	inch	inch
1 3/4"	1"	1.000"

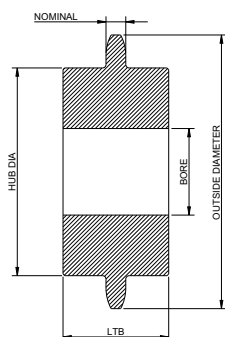
QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.

TYPE B



TYPE C



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
11	7.010	6.213	140SF11	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 5/64	5.60
12	7.580	6.762	140SF12	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 5/64	7.40
13	8.150	7.313	140SF13	SF	2 15/16	B	4 5/8	1 1/4	2 1/4	2 1/4	1 5/64	8.90
14	8.720	7.865	140E14	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	11.60
15	9.280	8.418	140E15	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	14.20
16	9.850	8.971	140E16	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	15.90
17	10.410	9.524	140E17	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	18.00
18	10.970	10.078	140E18	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	19.60
19	11.540	10.633	140E19	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	22.00
20	12.100	11.186	140E20	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	24.60
21	12.660	11.743	140E21	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	27.60
22	13.220	12.297	140E22	E	3 1/2	B	6	1 5/8	2 5/8	2 15/16	1 9/16	29.50
23	13.780	12.852	140F23	F	3 15/16	B	6 5/8	2 1/2	3 5/8	4	2 9/16	36.40
24	14.340	13.407	140F24	F	3 15/16	B	6 5/8	2 1/2	3 5/8	4	2 9/16	40.10
25	14.900	13.963	140F25	F	3 15/16	B	6 5/8	2 1/2	3 5/8	4	2 9/16	42.30
26	15.460	14.518	140F26	F	3 15/16	B	6 5/8	2 1/2	3 5/8	4	2 9/16	46.50
30	17.700	16.742	140F30	F	3 15/16	B	6 5/8	2 1/2	3 5/8	4	2 9/16	60.40
35	20.490	19.523	140F35	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	78.00
36	21.050	20.080	140F36	F	3 15/16	C	6 5/8	2 1/2	3 5/8	4	1	84.00
40	23.290	22.306	140J40	J	4 7/16	C	7 1/4	3 3/16	4 1/2	5	1 3/16	98.00
45	26.080	25.088	140J45	J	4 7/16	C	7 1/4	3 3/16	4 1/2	5	1 3/16	120.00
48	27.750	26.758	140J48	J	4 7/16	C	7 1/4	3 3/16	4 1/2	5	1 3/16	129.00
54	31.100	30.097	140J54	J	4 7/16	C	7 1/4	3 3/16	4 1/2	5	1 3/16	149.00
60	34.440	33.437	140J60	J	4 7/16	C	7 1/4	3 3/16	4 1/2	5	1 3/16	186.00
70	40.020	39.006	140M70	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 29/32	264.00
80	45.590	44.574	140M80	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 29/32	348.00

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
SF	1/2 — 2 1/4	2 5/16 — 2 3/4	2 13/16 — 2 15/16	3.00
E	7/8 — 2 3/4	2 13/16 — 3 7/16	3 1/2	10.00
F	1 — 3 1/4	3 3/16 — 3 15/16	4	11.50
J	1 7/16 — 3 3/4	3 13/16 — 4 1/2	—	19.00
M	2 — 4 3/4	4 7/8 — 5 1/2	—	37.00

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

No. 160 2" Pitch — Plain Bore

Pitch	Inner width	Roller- ø
inch	inch	inch
2"	1 1/4"	1.125"

† Dimensions shown allow for standard keyway with set screw at 90°
★ Hub diameter may vary to suit bore sizes

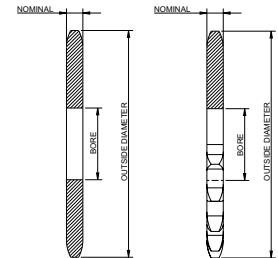
Sprockets supplied without keyway and setscrews unless specifically requested.

Sprocket Diameters 2" Pitch			Type A			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	6.030	5.226	160A8	1 1/2	5.00	160B8	1 1/2	1 7/8	3 1/4	2 1/4	8.00
9	6.700	5.848	160A9	1 1/2	7.00	160B9	1 1/2	2 5/8	3 5/8	2 1/4	10.00
10	7.360	6.472	160A10	1 1/2	8.00	160B10	1 1/2	2 3/4	4 1/8	2 1/4	12.00
11	8.010	7.100	160A11	1 1/2	10.00	160B11	1 1/2	3 1/4	4 3/4	2 1/2	17.00
12	8.660	7.728	160A12	1 1/2	12.00	160B12	1 1/2	3 3/4	5 1/2	2 1/2	21.00
13	9.310	8.358	160A13	1 1/2	16.00	160B13	1 1/2	4	6	2 3/4	28.00
14	9.960	8.988	160A14	1 1/2	17.00	160B14	1 1/2	4 1/2	6 1/2	2 3/4	32.00
15	10.610	9.620	160A15	1 1/2	21.00	160B15	1 1/2	5 1/4	7	2 3/4	37.00
16	11.260	10.252	160A16	1 1/2	24.00	160B16	1 1/2	5 1/4	7	2 3/4	41.00
17	11.900	10.844	160A17	1 1/2	27.00	160B17	1 1/2	5 1/4	7	2 3/4	45.00
18	12.540	11.518	160A18	1 1/2	30.00	160B18	1 1/2	5 1/4	7	2 3/4	48.00
19	13.190	12.152	160A19	1 1/2	34.00	160B19	1 1/2	5 1/4	7	2 3/4	52.00
20	13.830	12.784	160A20	1 1/2	38.00	160B20	1 1/2	5 1/4	7	2 3/4	56.00
21	14.470	13.420	160A21	1 1/2	42.00	160B21	1 1/2	5 1/4	7	2 3/4	59.00
22	15.110	14.054	160A22	1 1/2	46.00	160B22	1 1/2	5 1/4	7	2 3/4	65.00
23	15.750	14.688	160A23	1 1/2	50.00	160B23	1 1/2	5 1/4	7	2 3/4	68.00
24	16.390	15.322	160A24	1 1/2	56.00	160B24	1 1/2	5 1/4	7	3	77.00
25	17.030	15.958	160A25	1 1/2	61.00	160B25	1 1/2	5 1/4	7	3	81.00
26	17.670	16.592	160A26	1 1/2	65.00	160B26	1 1/2	5 1/4	7	3	86.00
27	18.310	17.228	160A27	1 1/2	71.00	160B27	1 1/2	5 1/4	7	3	91.00
28	18.950	17.862	160A28	1 1/2	77.00	160B28	1 1/2	5 1/4	7	3	98.00
30	20.230	19.134	160A30	1 1/2	90.00	160B30	1 1/2	5 1/4	7	3	108.00
35	23.420	22.312	160A35	1 1/2	121.00						
40	26.610	25.492	160A40	1 1/2	138.00						
45	29.800	28.672	160A45	1 1/2	204.00						
54	35.540	34.396	160A54	1 1/2	294.00						
60	39.360	38.214	160A60	1 1/2	366.00						
70	45.730	44.578	160A70	1 1/2	507.00						
80	52.100	50.942	160A80	1 1/2	656.00						

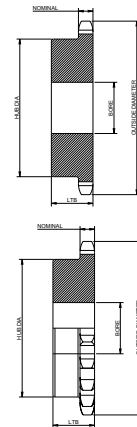
Some sizes are Made-To-Order, consult iwiss for availability.



TYPE A



TYPE B



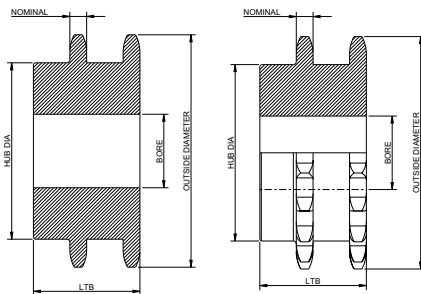
No. 160 2" Pitch — Multiple Strand



Pitch	Inner width	Roller- Ø
inch	inch	inch
2"	1 1/4"	1.125"

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

Sprockets supplied without keyway and setscrews unless specifically requested.



Basic Sprocket Dimensions				160-2 Double Strand				
No. Teeth	Outside Diameter	Pitch Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
13	9.310	8.358	2	D160B13	6	4 3/4	4	48.00
14	9.960	8.988	2	D160B14	6 3/4	4 3/4	4 3/4	58.00
15	10.610	9.620	2	D160B15	7	4 3/4	5 1/4	68.00
16	11.260	10.252	2	D160B16	7	4 3/4	5 1/4	75.00
17	11.900	10.844	2	D160B17	7	4 3/4	5 1/4	91.00
18	12.540	11.518	2	D160B18	7	4 3/4	5 1/4	96.00
19	13.190	12.152	2	D160B19	7	4 3/4	5 1/4	107.00
20	13.830	12.784	2	D160B20	7	4 3/4	5 1/4	119.00
21	14.470	13.420	2	D160B21	7 1/2	4 3/4	5 3/8	130.00
22	15.110	14.054	2	D160B22	7 1/2	4 3/4	5 3/8	141.00
23	15.750	14.688	2	D160B23	7 1/2	4 3/4	5 3/8	157.00
24	16.390	15.322	2	D160B24	7 1/2	4 3/4	5 3/8	171.00
25	17.030	15.958	2	D160B25	7 1/2	4 3/4	5 3/8	187.00
26	17.670	16.592	2	D160B26	7 1/2	4 3/4	5 3/8	201.00

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

No. 160 2" Pitch — QD®

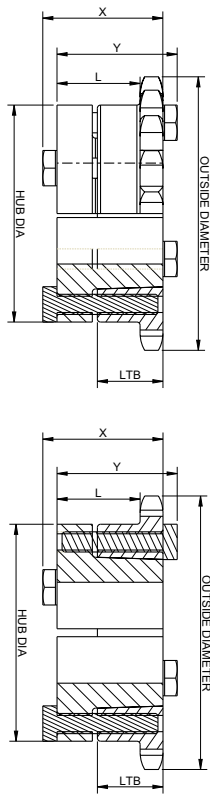


160 QD® 2" Pitch

Pitch	Inner width	Roller- Ø
inch	inch	inch
2"	1 1/4"	1.125"

QD® is a registered trademark of Emerson Power Transmission Manufacturing, L.P.

Sprockets supplied without keyway and setscrews unless specifically requested.



No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	Wt. Lbs.
12	8.660	7.728	160E12	E	3 1/2	B	6	1 5/8	2 15/16	2 5/8	1 5/16	11.00
13	9.310	8.358	160E13	E	3 1/2	B	6	1 5/8	2 15/16	2 5/8	1 5/16	14.00
14	9.960	8.988	160E14	E	3 1/2	B	6	1 5/8	2 15/16	2 5/8	1 5/16	16.00
15	10.610	9.620	160F15	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	24.00
16	11.260	10.252	160F16	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	27.00
17	11.900	10.844	160F17	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	31.00
18	12.540	11.518	160F18	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	35.00
19	13.190	12.152	160F19	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	38.00
20	13.830	12.784	160F20	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	42.00
21	14.740	13.420	160F21	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	45.00
22	15.110	14.054	160F22	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	51.00
23	15.750	14.688	160F23	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	55.00
24	16.390	15.322	160F24	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	59.00
25	17.030	15.958	160F25	F	3 15/16	B	6 5/8	2 1/2	4	3 5/8	2 5/16	64.00
26	17.670	16.592	160J26	J	4 7/16	C	7 1/4	3 3/16	5	4 1/2	1 3/16	74.00
28	18.950	17.862	160J28	J	4 7/16	C	7 1/4	3 3/16	5	4 1/2	1 3/16	84.00
30	20.230	19.134	160J30	J	4 7/16	C	7 1/4	3 3/16	5	4 1/2	1 3/16	96.00
35	23.420	22.312	160J35	J	4 7/16	C	7 1/4	3 3/16	5	4 1/2	1 3/16	116.00
40	26.610	25.492	160M40	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 11/16	174.00
45	29.800	28.672	160M45	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 11/16	208.00
54	35.540	34.396	160M54	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 11/16	262.00
60	39.360	38.214	160M60	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 11/16	310.00
70	45.730	44.578	160M70	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 11/16	431.00
80	52.100	50.942	160M80	M	5 1/2	C	9	5 3/16	6 3/4	6 3/4	2 11/16	530.00

QD® Bushings

Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
E	7/8 — 2 3/4	2 13/16 — 3 7/16	3 1/2	10.00
F	1 — 3 1/4	3 5/16 — 3 15/16	4	11.50
J	1 7/16 — 3 3/4	3 13/16 — 4 1/2	—	18.00
M	2 — 4 3/4	4 7/8 — 5 1/2	—	37.00

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

No. 180 2 1/4" Pitch — Plain Bore

Pitch	Inner width	Roller- ø
inch	inch	inch
2 1/4"	1 13/32"	1.406"

† Dimensions shown allow for standard keyway with set screw at 90°
★ Hub diameter may vary to suit bore sizes

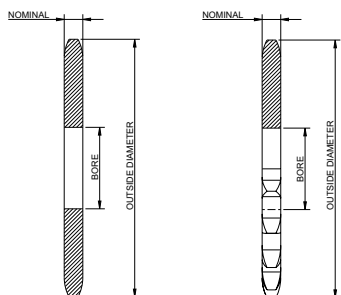
Sprockets supplied without keyway and setscrews
unless specifically requested.



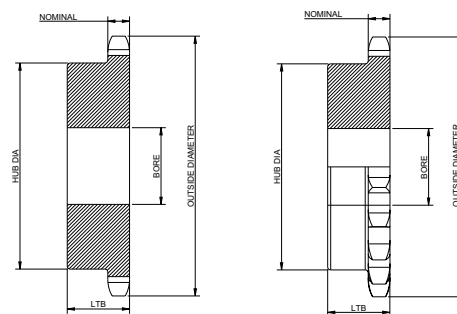
Sprocket Diameters 2 1/4" Pitch			Type A			Type B					
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	★ Hub Dia.	LTB	Wt. Lbs.
11	9.010	7.986	180A11	1 1/2	14.00	180B11	1 1/2	3 5/8	5 1/2	3	29.00
12	9.750	8.693	180A12	1 1/2	16.00	180B12	1 1/2	4	6	3	32.00
13	10.480	9.402	180A13	1 1/2	20.00	180B13	1 1/2	4 5/8	6 3/4	3 5/8	40.00
14	11.210	10.112	180A14	1 1/2	24.00	180B14	1 1/2	5 1/4	7	3 5/8	44.00
15	11.930	10.822	180A15	1 1/2	28.00	180B15	1 1/2	5 1/4	7	3 5/8	48.00
16	12.660	11.533	180A16	1 1/2	32.00	180B16	1 1/2	5 1/4	7	3 5/8	52.00
17	13.390	12.245	180A17	1 1/2	37.00	180B17	1 1/2	5 1/4	7	3 5/8	58.00
18	14.110	12.957	180A18	1 1/2	43.00	180B18	1 1/2	5 1/4	7	3 5/8	63.00
19	14.830	13.670	180A19	1 1/2	47.00	180B19	1 1/2	5 5/8	7 1/2	3 5/8	74.00
20	15.560	14.383	180A20	1 1/2	53.00	180B20	1 1/2	5 5/8	7 1/2	3 5/8	81.00
21	16.280	15.096	180A21	1 1/2	57.00	180B21	1 1/2	5 5/8	7 1/2	3 5/8	83.00
22	17.000	15.810	180A22	1 1/2	62.00	180B22	1 1/2	5 5/8	7 1/2	3 5/8	92.00
23	17.720	16.524	180A23	1 1/2	69.00	180B23	1 1/2	5 5/8	7 1/2	3 5/8	99.00
24	18.440	17.238	180A24	1 1/2	77.00	180B24	1 1/2	5 5/8	7 1/2	3 5/8	105.00
25	19.160	17.952	180A25	1 1/2	84.00	180B25	1 1/2	5 5/8	7 1/2	3 5/8	113.00
28	21.320	20.096	180A28	1 1/2	104.00	180B28	1 1/2	5 1/2	8	3 1/2	135.00
30	22.760	21.525	180A30	1 1/2	120.00						
35	26.350	25.101	180A35	1 1/2	172.00						
40	29.940	28.677	180A40	1 1/2	229.00						
45	33.530	32.255	180A45	1 1/2	284.00						
54	39.980	38.696	180A54	1 1/2	420.00						
60	44.280	42.992	180A60	1 1/2	505.00						

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

TYPE A



TYPE B



No. 200 2 1/2" Pitch — Plain Bore

Pitch	Inner width	Roller- ø
inch	inch	inch
2 1/2"	1 1/2"	1.562"

† Dimensions shown allow for standard keyway with set screw at 90°
★ Hub diameter may vary to suit bore sizes

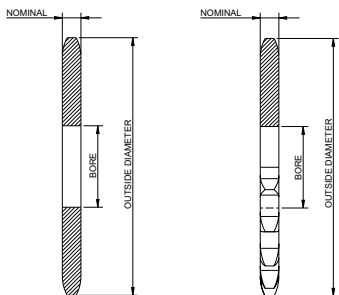
Sprockets supplied without keyway and setscrews unless specifically requested.



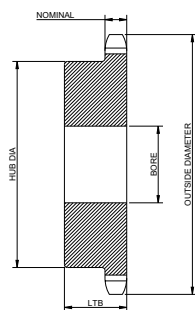
Sprocket Diameters			Type A			Type B, Type C					
2 1/2" Pitch											
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	★ Hub Dia.	LTB	Wt. Lbs.
10	9.200	8.090	200A10	1 1/2	16.00	200B10	1 1/2	3 3/4	5 1/2	3	26.00
11	10.020	8.875	200A11	1 1/2	20.00	200B11	1 1/2	4	6	3	33.00
12	10.830	9.660	200A12	1 1/2	24.00	200B12	1 1/2	4 1/2	6 1/2	3	37.00
13	11.640	10.447	200A13	1 1/2	30.00	200B13	1 1/2	5 1/4	7	3	46.00
14	12.460	11.235	200A14	1 1/2	32.00	200B14	1 1/2	5 3/8	7 1/2	3 1/2	59.00
15	13.260	12.025	200A15	1 1/2	40.00	200B15	1 1/2	5 3/8	7 1/2	3 1/2	64.00
16	14.070	12.815	200A16	1 1/2	46.00	200B16	1 1/2	5 3/8	7 1/2	3 1/2	72.00
17	14.870	13.605	200A17	1 1/2	51.00	200B17	1 1/2	5 3/8	7 1/2	3 1/2	76.00
18	15.680	14.397	200A18	1 1/2	57.00	200B18	1 1/2	5 3/8	7 1/2	3 1/2	84.00
19	16.480	15.190	200A19	1 1/2	65.00	200B19	1 1/2	5 3/8	7 1/2	3 1/2	91.00
20	17.290	15.980	200A20	1 1/2	72.00	200B20	1 1/2	5 3/8	7 1/2	3 1/2	98.00
21	18.090	16.775	200A21	1 1/2	82.00	200B21	1 1/2	5 3/8	7 1/2	3 1/2	106.00
22	18.890	17.567	200A22	1 1/2	88.00	200B22	1 1/2	5 3/4	8 1/2	4	131.00
23	19.690	18.360	200A23	1 1/2	95.00	200B23	1 1/2	5 3/4	8 1/2	4	136.00
24	20.490	19.153	200A24	1 1/2	105.00	200B24	1 1/2	5 3/4	8 1/2	4	142.00
25	21.290	19.947	200A25	1 1/2	113.00	200B25	1 1/2	5 3/4	8 1/2	4	153.00
26	22.090	20.740	200A26	1 1/2	124.00	200C26	1 1/2	5 3/4	8 1/2	4 1/2	178.00
28	23.690	22.327	200A28	1 1/2	144.00	200C28	1 1/2	5 3/4	8 1/2	4 1/2	195.00
30	25.290	23.917	200A30	1 1/2	167.00	200C30	1 1/2	5 3/4	8 1/2	4 1/2	212.00
32	26.880	25.505	200A32	1 1/2	195.00						
35	29.280	27.890	200A35	1 1/2	227.00						
40	33.270	31.865	200A40	1 1/2	301.00						
45	37.250	35.840	200A45	1 1/2	390.00						
54	44.420	42.995	200A54	1 1/2	555.00						
60	49.200	47.768	200A60	1 1/2	692.00						

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

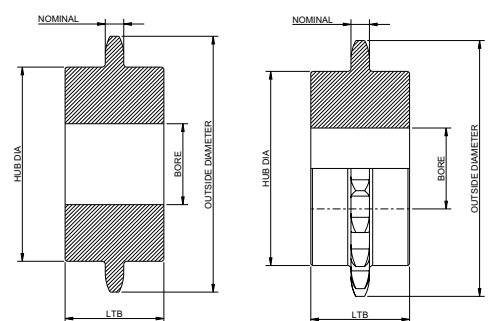
TYPE A



TYPE B



TYPE C



No. 240 3" Pitch — Plain Bore

Pitch	Inner width	Roller- ø
inch	inch	inch
3"	1 7/8"	1.875"

† Dimensions shown allow for standard keyway with set screw at 90°
★ Hub diameter may vary to suit bore sizes

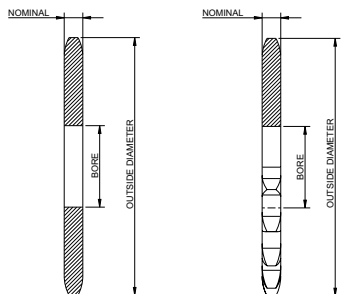
Sprockets supplied without keyway and setscrews
unless specifically requested.



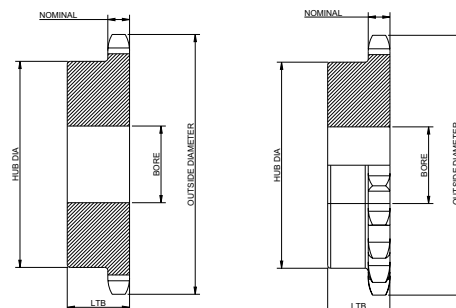
Sprocket Diameters 3" Pitch			Type A			Type B					
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	★ Hub Dia.	LTB	Wt. Lbs.
10	11.030	9.708	240A10	1 1/2	30.00	240B10	1 1/2	4 1/2	6 1/2	3 3/8	49.00
11	12.020	10.649	240A11	1 1/2	37.00	240B11	1 1/2	4 3/4	7	3 7/8	66.00
12	13.000	11.591	240A12	1 1/2	45.00	240B12	1 1/2	5 3/8	7 1/2	3 7/8	72.00
13	13.970	12.536	240A13	1 1/2	54.00	240B13	1 1/2	5 3/8	7 1/2	3 7/8	81.00
14	14.940	13.482	240A14	1 1/2	62.00	240B14	1 1/2	5 3/8	7 1/2	3 7/8	88.00
15	15.910	14.429	240A15	1 1/2	68.00	240B15	1 1/2	5 3/8	7 1/2	3 7/8	98.00
16	16.880	15.377	240A16	1 1/2	82.00	240B16	1 1/2	5 1/2	8	4 1/8	124.00
17	17.850	16.327	240A17	1 1/2	93.00	240B17	1 1/2	5 1/2	8	4 1/8	137.00
18	18.810	17.276	240A18	1 1/2	108.00	240B18	1 1/2	5 1/2	8	4 1/8	142.00
19	19.780	18.227	240A19	1 1/2	120.00	240B19	1 1/2	5 1/2	8	4 1/8	154.00
20	20.740	19.177	240A20	1 1/2	128.00	240B20	1 1/2	5 1/2	8	4 1/8	169.00
21	21.710	20.129	240A21	1 1/2	148.00	240B21	1 1/2	5 1/2	8	4 1/8	186.00
25	25.550	23.936	240A25	1 1/2	208.00	240B25	1 1/2	5 1/2	8	4 1/8	254.00
30	30.340	28.700	240A30	1 1/2	310.00						
35	35.130	33.467	240A35	1 1/2	416.00						
40	39.920	38.237	240A40	1 1/2	548.00						
45	44.700	43.007	240A45	1 1/2	702.00						
54	53.310	51.595	240A54	1 1/2	1022.00						
60	59.040	57.322	240A60	1 1/2	1268.00						

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

TYPE A



TYPE B



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.

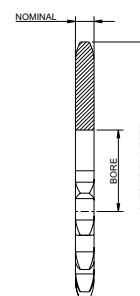
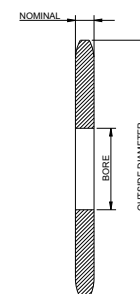
Pitch	Inner width	Roller- ø	ASME / ANSI Size
inch	inch	inch	inch
1"	5/16"	.313"	A2040
1"	5/16"	.313"	C2040
1"	5/16"	.625"	C2042



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

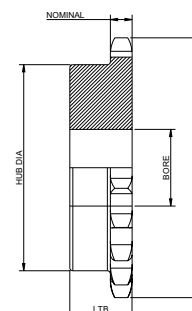
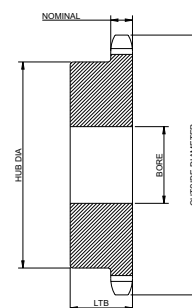


Conveyor Series — Large Roller Double Pitch Sprocket
for C2042 Chain — 1" Pitch

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 iwis for availability.

TYPE B



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.

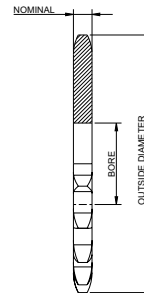
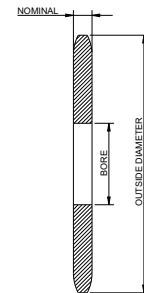
Pitch	Inner width	Roller- ø	ASME / ANSI Size
inch	inch	inch	inch
1 1/4"	3/8"	.400"	A2050
1 1/4"	3/8"	.400"	C2050
1 1/4"	3/8"	.750"	C2052



Conveyor or Drive Series — Standard Roller Double Pitch
Sprocket for C2050/A2050 Chain — 1 1/4" 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	2.500	2.315				2050B11	5/8	13/16	▲ 1 3/4	1	.62
12	2.710	2.500				2050B12	5/8	1	1 63/64	1	.80
13	2.910	2.690				2050B13	5/8	1 7/32	1 23/32	1	.82
14	3.110	2.881				2050B14	5/8	1 9/32	1 15/16	1	1.00
15	3.320	3.043				2050B15	5/8	1 13/32	2 5/32	1	1.22
16	3.520	3.266				2050B16	5/8	1 19/32	2 23/64	1	1.44
17	3.720	3.460				2050B17	5/8	1 3/4	2 9/16	1	1.68
18	3.920	3.655				2050B18	5/8	1 25/32	2 25/32	1	1.94
19	4.120	3.850				2050B19	5/8	1 31/32	2 63/64	1	2.24
20	4.320	4.045				2050B20	3/4	2	3	1	2.30
21	4.520	4.241				2050B21	3/4	2	3	1	2.40
22	4.720	4.437				2050B22	3/4	2	3	1	2.54
23	4.920	4.633				2050B23	3/4	2	3	1	2.66
24	5.120	4.830	2050A24	23/32	1.58	2050B24	3/4	2	3	1 1/4	3.30
25	5.320	5.026	2050A25	23/32	1.68	2050B25	3/4	2	3	1 1/4	3.42
26	5.520	5.223	2050A26	23/32	1.88	2050B26	3/4	2	3	1 1/4	3.62
28	5.920	5.617	2050A28	23/32	2.22	2050B28	3/4	2	3	1 1/4	3.78
30	6.320	6.012	2050A30	23/32	2.54	2050B30	3/4	2 1/4	3 1/4	1 1/4	4.58

TYPE A

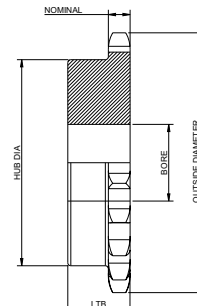
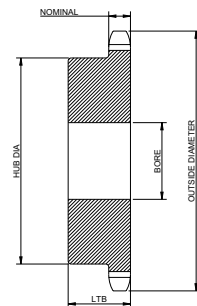


Conveyor Series — Large Roller Double Pitch Sprocket
for C2052 Chain — 1 1/4" Pitch

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	3.770	3.266				2052B8	5/8	1 19/32	2 23/64	1	1.38
9	4.190	3.655				2052B9	5/8	1 25/32	2 25/32	1	1.92
10	4.600	4.045				2052B10	5/8	2	3	1	2.30
11	5.010	4.437				2052B11	5/8	2	3	1	2.54
12	5.420	4.830	2052A12	23/32	1.60	2052B12	3/4	2	3	1 1/4	3.20
13	5.820	5.223	2052A13	23/32	1.80	2052B13	3/4	2	3	1 1/4	3.48
14	6.230	5.617	2052A14	23/32	2.30	2052B14	3/4	2	3	1 1/4	3.88
15	6.630	6.012	2052A15	23/32	2.40	2052B15	3/4	2 1/4	3 1/4	1 1/4	4.46
16	7.030	6.407	2052A16	23/32	2.80	2052B16	3/4	2 1/4	3 1/4	1 1/4	4.80
17	7.440	6.803	2052A17	23/32	3.30	2052B17	3/4	2 1/4	3 1/4	1 1/4	5.34
18	7.840	7.198	2052A18	23/32	3.60	2052B18	3/4	2 1/4	3 1/4	1 1/4	5.64
19	8.240	7.595	2052A19	23/32	4.10	2052B19	3/4	2 1/4	3 1/4	1 1/4	6.04
20	8.640	7.991	2052A20	23/32	4.70	2052B20	3/4	2 1/4	3 1/4	1 1/4	6.48
21	9.040	8.387	2052A21	23/32	5.00	2052B21	3/4	2 1/4	3 1/4	1 1/4	7.00
22	9.440	8.783	2052A22	23/32	5.20	2052B22	3/4	2 1/4	3 1/4	1 1/4	7.30
23	9.850	9.180	2052A23	15/16	5.80	2052B23	1	2 3/4	3 3/4	1 1/4	8.66
24	10.250	9.577	2052A24	15/16	6.70	2052B24	15/16	2 3/4	3 3/4	1 1/4	9.32

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

TYPE B



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.

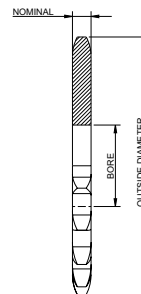
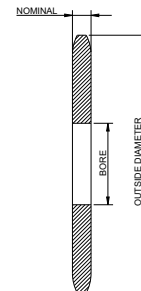
Pitch	Inner width	Roller- ø	ASME / ANSI Size
inch	inch	inch	inch
1 ½"	½"	.469"	A2060
1 ½"	½"	.469"	C2060
1 ½"	½"	.875"	C2062



Conveyor or Drive Series — Standard Roller Double Pitch Sprocket
for C2060/A2060 Chain — 1 ½" 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	3.000	2.773				2060B11	¾	1	2 1/16	1 ¼	1.14
12	3.250	3.000				2060B12	¾	1 ¼	2 3/8	1 ¼	1.46
13	3.490	3.228				2060B13	¾	1 5/16	2 5/64	1 ¼	1.52
14	3.740	3.457				2060B14	¾	1 9/16	2 21/64	1 ¼	1.86
15	3.960	3.688				2060B15	¾	1 ¾	2 19/32	1 ¼	2.24
16	4.220	3.920				2060B16	¾	1 27/32	2 27/32	1 ¼	2.64
17	4.460	4.152				2060B17	¾	2 1/32	3 3/32	1 ¼	3.08
18	4.700	4.386				2060B18	¾	2 9/32	3 11/32	1 ¼	3.56
19	4.940	4.620				2060B19	¾	2 11/32	3 1/2	1 ¼	3.94
20	5.190	4.854				2060B20	¾	2 7/16	3 7/8	1 ¼	4.50
21	5.430	5.089				2060B21	¾	2 3/4	4	1 ¼	5.02
22	5.670	5.324				2060B22	¾	2 3/4	4	1 ¼	5.26
23	5.910	5.560				2060B23	¾	2 3/4	4	1 ¼	5.54
24	6.150	5.796	2060A24	23/32	3.02	2060B24	¾	2 3/4	4	1 ¼	5.90
25	6.390	6.032	2060A25	23/32	3.36	2060B25	¾	2 3/4	4	1 ¼	6.08
26	6.630	6.268	2060A26	23/32	3.58	2060B26	¾	2 3/4	4	1 ¼	6.36
28	7.110	6.741	2060A28	23/32	4.12	2060B28	¾	2 3/4	4	1 ¼	7.02
30	7.590	7.215	2060A30	23/32	4.88	2060B30	¾	2 3/4	4	1 ¼	7.54

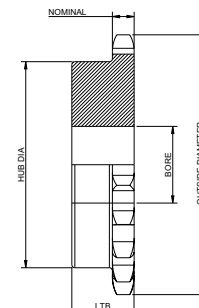
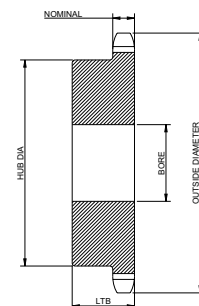
TYPE A



Conveyor Series — Large Roller Double Pitch Sprocket
for C2062 Chain — 1 ½" 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	4.520	3.920				2062B8	¾	1 27/32	2 27/32	1 ¼	2.60
9	5.020	4.386				2062B9	¾	2 9/32	3 11/32	1 ¼	3.48
10	5.520	4.854				2062B10	¾	2 7/16	3 53/64	1 ¼	4.54
11	6.010	5.324				2062B11	¾	2 3/4	4	1 ¼	5.20
12	6.500	5.796	2062A12	23/32	2.98	2062B12	¾	2 3/4	4	1 ¼	5.70
13	6.990	6.268	2062A13	23/32	3.60	2062B13	¾	2 3/4	4	1 ¼	6.28
14	7.470	6.741	2062A14	23/32	4.02	2062B14	¾	2 3/4	4	1 ¼	6.82
15	7.960	7.215	2062A15	23/32	4.76	2062B15	¾	2 3/4	4	1 ¼	7.48
16	8.440	7.689	2062A16	23/32	5.70	2062B16	¾	2 3/4	4	1 ¼	8.18
17	8.920	8.163	2062A17	15/16	6.16	2062B17	1	2 3/4	4	1 ¼	8.82
18	9.410	8.638	2062A18	15/16	6.96	2062B18	1	2 3/4	4	1 ¼	9.36
19	9.890	9.113	2062A19	15/16	8.00	2062B19	1	2 3/4	4 1/4	1 ¼	11.10
20	10.370	9.589	2062A20	15/16	8.46	2062B20	15/16	2 3/4	4 1/4	1 ¼	11.66
21	10.850	10.064	2062A21	15/16	8.93	2062B21	15/16	2 3/4	4 1/4	1 ¼	13.24
22	11.330	10.540	2062A22	15/16	10.74	2062B22	15/16	2 3/4	4 1/4	1 ¼	13.78
23	11.810	11.016	2062A23	15/16	11.64	2062B23	15/16	2 3/4	4 1/4	1 ¼	14.90
24	12.290	11.492	2062A24	15/16	12.64	2062B24	15/16	2 3/4	4 1/4	1 ¼	15.66
25	12.770	11.968	2062A25	15/16	13.78	2062B25	15/16	2 3/4	4 1/4	1 ¼	16.80
26	13.250	12.444	2062A26	15/16	15.00	2062B26	15/16	2 3/4	4 1/4	1 ¼	20.20
28	14.210	13.397	2062A28	1 ¼	17.32	2062B28	1 ¼	2 3/4	4 1/4	1 ¼	21.86
30	15.170	14.350	2062A30	1 ¼	19.50	2062B30	1 ¼	2 3/4	4 1/4	1 ¼	26.00

TYPE B



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

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.

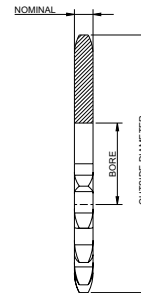
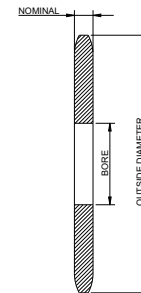
Pitch	Inner width	Roller- ø	ASME / ANSI Size
inch	inch	inch	inch
2"	5/8"	.625"	A2080
2"	5/8"	.625"	C2080
2"	5/8"	1.125"	C2082



Conveyor or Drive Series — Standard Roller Double Pitch Sprocket
for C2080/A2080 Chain — 2" 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	4.010	3.694				2080B11	1	1 1/2	▲ 2 13/16	1 5/8	2.50
12	4.330	4.000				2080B12	1	1 11/16	3 1/8	1 5/8	3.20
13	4.660	4.304				2080B13	1	1 25/32	2 25/32	1 1/2	3.30
14	4.980	4.610				2080B14	1	2 1/8	3 1/8	1 1/2	4.00
15	5.300	4.917				2080B15	1	2 9/32	3 29/64	1 1/2	4.80
16	5.630	5.226				2080B16	1	2 17/32	3 51/64	1 1/2	5.70
17	5.950	5.536	2080A17	15/16	3.40	2080B17	1	2 3/4	4	1 1/2	6.40
18	6.270	5.848	2080A18	15/16	3.80	2080B18	1	2 3/4	4 1/4	1 1/2	7.40
19	6.590	6.160	2080A19	15/16	4.30	2080B19	1	2 3/4	4 1/4	1 1/2	7.70
20	6.910	6.472	2080A20	15/16	4.80	2080B20	1	2 3/4	4 1/4	1 1/2	8.30
21	7.230	6.785	2080A21	15/16	5.30	2080B21	1	2 3/4	4 1/4	1 3/4	9.40
22	7.560	7.099	2080A22	15/16	5.80	2080B22	1	2 3/4	4 1/4	1 3/4	10.00
23	7.880	7.413	2080A23	15/16	6.40	2080B23	1	2 3/4	4 1/4	1 3/4	10.50
24	8.200	7.727	2080A24	15/16	7.10	2080B24	1	2 3/4	4 1/4	1 3/4	11.10
25	8.520	8.042	2080A25	15/16	7.50	2080B25	1	2 3/4	4 1/4	1 3/4	12.00
26	8.840	8.357	2080A26	1 3/16	8.30	2080B26	1 1/4	3 1/4	4 3/4	2	14.80
28	9.480	8.988	2080A28	1 3/16	9.20	2080B28	1 3/16	3 1/4	4 3/4	2	16.60
30	10.110	9.620	2080A30	1 3/16	10.70	2080B30	1 3/16	3 1/4	4 3/4	2	17.80

TYPE A

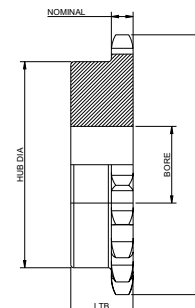
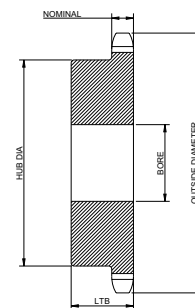


Conveyor Series — Large Roller Double Pitch Sprocket
for C2082 Chain — 2" Pitch

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	6.030	5.226				2082B8	1	2 27/32	3 51/64	1 3/4	6.40
9	6.700	5.848				2082B9	1	2 3/4	4 1/4	1 3/4	8.20
10	7.360	6.472				2082B10	1	2 3/4	4 1/4	1 3/4	9.20
11	8.010	7.099	2082A11	15/16	5.70	2082B11	1	2 3/4	4 1/4	1 3/4	10.10
12	8.660	7.727	2082A12	15/16	6.80	2082B12	1	2 3/4	4 1/4	1 3/4	11.20
13	9.310	8.357	2082A13	1 3/16	7.70	2082B13	1 1/4	3 1/4	4 3/4	2	15.00
14	9.960	8.988	2082A14	1 3/16	9.10	2082B14	1 1/4	3 1/4	4 3/4	2	15.80
15	10.610	9.620	2082A15	1 3/16	10.70	2082B15	1 3/16	3 1/4	4 3/4	2	17.80
16	11.250	10.252	2082A16	1 3/16	12.40	2082B16	1 3/16	3 1/4	4 3/4	2	19.30
17	11.900	10.885	2082A17	1 3/16	14.10	2082B17	1 3/16	3 1/4	4 3/4	2	21.40
18	12.540	11.518	2082A18	1 3/16	15.40	2082B18	1 3/16	3 1/4	4 3/4	2	22.90
19	13.190	12.151	2082A19	1 3/16	18.00	2082B19	1 3/16	3 1/4	4 3/4	2	24.40
20	13.830	12.785	2082A20	1 3/16	19.20	2082B20	1 3/16	3 1/4	4 3/4	2	26.70
21	14.470	13.419	2082A21	1 1/4	20.80	2082B21	1 1/4	3 1/4	4 3/4	2	28.40
22	15.110	14.053	2082A22	1 1/4	23.70	2082B22	1 1/4	3 1/4	4 3/4	2	39.60
23	15.750	14.688	2082A23	1 1/4	24.90	2082B23	1 1/4	3 1/4	4 3/4	2	32.20
24	16.390	15.323	2082A24	1 1/4	27.60	2082B24	1 1/4	3 1/4	4 3/4	2	34.90

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

TYPE B



Double Speed Sprockets

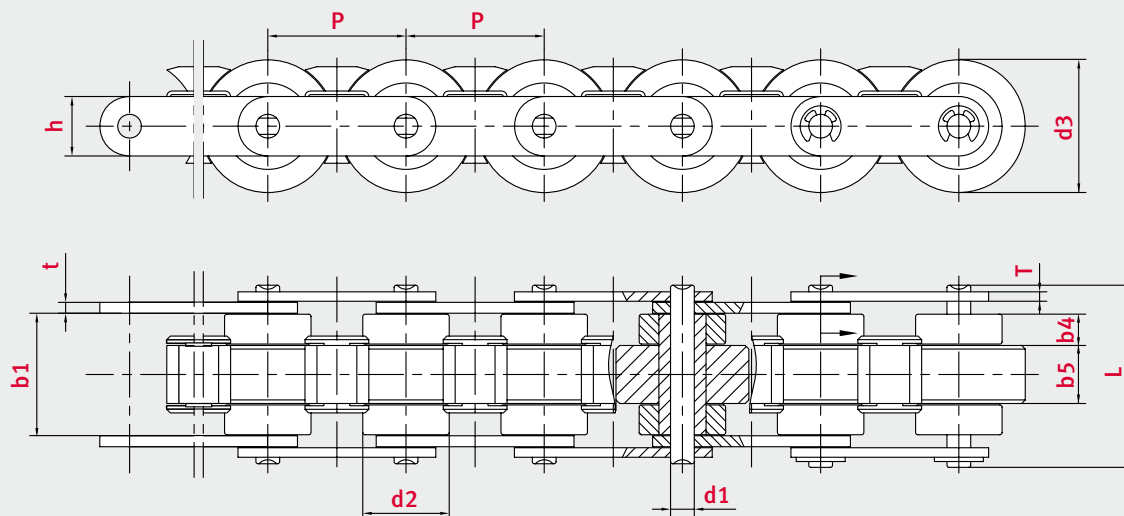
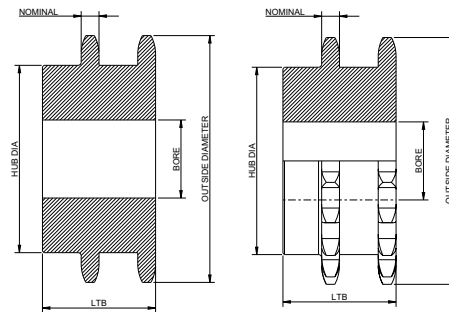


Dimensions are in inches unless otherwise indicated.

Sprockets supplied without keyway and setscrews unless specifically requested.

No. Teeth	Outside Diameter D_o	Pitch Diameter D_p	Catalog Number	Plain Bore d	Hub Diameter D_h	Length Thru Bore LTB	Weight Lbs.
10	2.480	2.427	C2030W-10T	.500	1.457	.984	.44
10	3.346	3.236	C2040W-10T	.630	2.047	1.575	1.76
10	4.213	4.045	C2050W-10T	.630	2.598	1.772	3.31
10	5.039	4.854	C2060W-10T	.748	3.189	1.969	5.52
10	6.772	6.472	C2080W-10T	.906	4.331	2.638	15.40

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



Double Single Sprockets



40 Double Single Sprockets 1/2" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
15	2.650	2.405	DS40A15	1/2	1 1/4	1 13/32	1 1/8	1 13/16	1.20
16	2.810	2.563	DS40A16	1/2	1 1/4	1 13/32	1 1/8	2	1.40
17	2.980	2.721	DS40A17	1/2	1 5/16	1 13/32	1 1/8	2 1/8	1.60
18	3.140	2.879	DS40A18	1/2	1 1/2	1 13/32	1 1/8	2 1/16	1.80
19	3.300	3.038	DS40A19	5/8	1 11/16	1 13/32	1 1/8	2 1/2	2.20
20	3.460	3.196	DS40A20	5/8	1 3/4	1 13/32	1 1/8	2 5/8	2.60
21	3.620	3.355	DS40A21	5/8	1 3/4	1 13/32	1 1/8	2 15/16	2.90
22	3.780	3.513	DS40A22	5/8	1 13/16	1 13/32	1 1/8	2 15/16	3.00
23	3.940	3.672	DS40A23	5/8	2 1/16	1 13/32	1 1/8	3 3/32	3.50
24	4.100	3.831	DS40A24	5/8	2 1/4	1 13/32	1 1/8	3 17/64	4.00

50 Double Single Sprockets 5/8" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
15	3.320	3.006	DS50A15	5/8	1 1/2	1 21/32	1 5/16	2 3/8	2.10
16	3.520	3.204	DS50A16	5/8	1 11/16	1 21/32	1 5/16	2 1/2	2.40
17	3.720	3.401	DS50A17	5/8	1 3/4	1 21/32	1 5/16	2 11/16	2.90
18	3.920	3.599	DS50A18	5/8	1 7/8	1 21/32	1 5/16	2 57/64	3.30
19	4.120	3.797	DS50A19	5/8	2 1/16	1 21/32	1 5/16	3 3/64	3.70
20	4.320	3.995	DS50A20	5/8	2 1/4	1 21/32	1 5/16	3 9/32	4.20
21	4.520	4.194	DS50A21	5/8	2 1/4	1 21/32	1 5/16	3 31/64	4.80
22	4.720	4.392	DS50A22	5/8	2 7/16	1 21/32	1 5/16	3 11/16	5.30
23	4.920	4.590	DS50A23	5/8	2 5/8	1 21/32	1 5/16	3 57/64	5.80
24	5.120	4.788	DS50A24	5/8	2 3/4	1 21/32	1 5/16	4 5/64	6.30

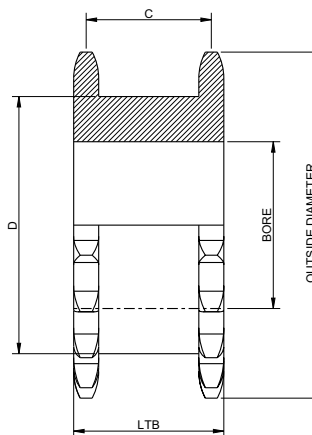
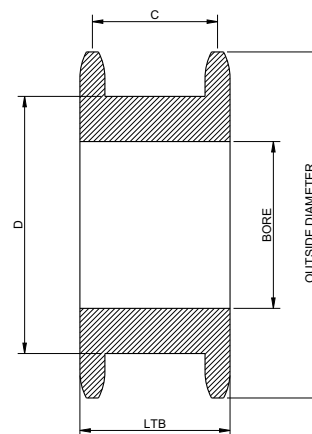
60 Double Single Sprockets 3/4" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	3.490	3.134	DS60A13	3/4	1 1/4	1 15/16	1 31/64	2 11/32	2.60
14	3.740	3.371	DS60A14	3/4	1 5/16	1 15/16	1 31/64	2 9/16	3.20
15	3.980	3.608	DS60A15	3/4	1 1/2	1 15/16	1 31/64	2 7/8	3.80
16	4.220	3.845	DS60A16	3/4	1 11/16	1 15/16	1 31/64	3 3/64	4.50
17	4.460	4.082	DS60A17	3/4	1 3/4	1 15/16	1 31/64	3 1/4	5.30
18	4.700	4.319	DS60A18	3/4	1 7/8	1 15/16	1 31/64	3 1/2	6.50
19	4.950	4.557	DS60A19	3/4	2 1/16	1 15/16	1 31/64	3 45/64	6.80
20	5.190	4.794	DS60A20	3/4	2 1/4	1 15/16	1 31/64	3 57/64	7.00
21	5.430	5.033	DS60A21	3/4	2 3/4	1 15/16	1 31/64	4 3/16	7.50

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

Sprockets supplied without keyway and setscrews unless specifically requested.



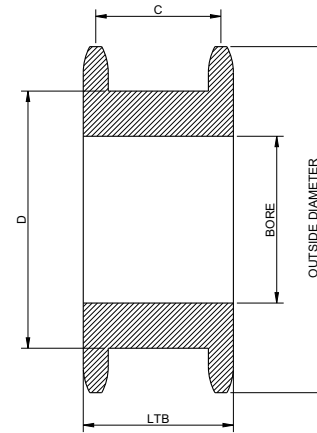
Double Single Sprockets



80 Double Single Sprockets 1" Pitch

Dimensions are in inches unless otherwise indicated.

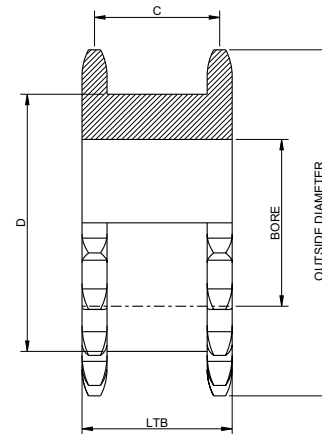
No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	4.660	4.179	DS80A13	1	2	2 3/16	1 5/8	3 1/64	6.50
14	4.980	4.494	DS80A14	1	2 1/4	2 3/16	1 5/8	3 11/32	7.70
15	5.300	4.810	DS80A15	1	2 3/8	2 3/16	1 5/8	3 13/16	9.10
16	5.630	5.126	DS80A16	1	2 11/16	2 3/16	1 5/8	4	9.50
17	5.950	5.442	DS80A17	1	2 13/16	2 3/16	1 5/8	4 3/16	10.80
18	6.270	5.759	DS80A18	1	3 1/8	2 3/16	1 5/8	4 41/64	12.10
19	6.590	6.067	DS80A19	1	3 1/4	2 3/16	1 5/8	4 61/64	12.80
20	6.910	6.392	DS80A20	1	3 1/2	2 3/16	1 5/8	5 3/32	14.00
21	7.240	6.710	DS80A21	1	3 3/4	2 3/16	1 5/8	5 19/32	16.50
22	7.560	7.027	DS80A22	1	3 7/8	2 3/16	1 5/8	5 59/64	18.40



100 Double Single Sprockets 1 1/4" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	5.820	5.224	DS100A13	1	2 1/2	2 11/16	2	3 25/32	11.20
14	6.230	5.618	DS100A14	1 1/4	2 3/4	2 11/16	2	4 3/16	13.50
15	6.630	6.031	DS100A15	1 1/4	3 1/16	2 11/16	2	4 19/32	16.80
16	7.030	6.408	DS100A16	1 1/4	3 1/4	2 11/16	2	4 1/2	19.30
17	7.440	6.803	DS100A17	1 1/4	3 5/8	2 11/16	2	4 29/32	21.50
18	7.840	7.199	DS100A18	1 1/4	3 3/4	2 11/16	2	5 3/32	23.00
19	8.240	7.595	DS100A19	1 1/4	4 3/16	2 11/16	2	6 11/64	25.00
20	8.640	7.990	DS100A20	1 1/4	4 13/16	2 11/16	2	6 39/64	26.50
21	9.040	8.388	DS100A21	1 1/4	5 1/4	2 11/16	2	7	29.00



Sprockets supplied without keyway and setscrews unless specifically requested.

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

Double Single Tapered Bushing



40 Double Single Tapered Bushing 1/2" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
19	3.300	3.038	DS40ATL19	1215	1 1/4	1 13/32	1 1/8	2 1/2	1.10
23	3.940	3.672	DS40ATL23	1615	1 5/8	1 13/32	1 1/8	3 3/32	1.50
24	4.100	3.831	DS40ATL24	1615	1 5/8	1 13/32	1 1/8	3 17/64	1.70

50 Double Single Tapered Bushing 3/8" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	3.520	3.401	DS50ATL17	1615	1 5/8	1 21/32	1 5/16	2 11/16	1.80
19	4.120	3.797	DS50ATL19	1615	1 5/8	1 21/32	1 5/16	3 3/64	2.70
21	4.520	4.194	DS50ATL21	2012	2	1 21/32	1 5/16	3 15/16	3.30
24	5.120	4.788	DA50ATL24	2012	2	1 21/32	1 5/16	4 5/64	4.10

60 Double Single Tapered Bushing 3/4" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	4.460	4.082	DS60ATL17	1615	1 5/8	1 15/16	1 31/64	3 7/32	4.50
18	4.700	4.319	DS60ATL18	2012	2	1 15/16	1 31/64	3 15/32	5.00
19	4.950	4.557	DS60ATL19	2012	2	1 15/16	1 31/64	3 45/64	5.80
20	5.190	4.794	DS60ATL20	2517	2 1/2	1 15/16	1 31/64	3 41/64	5.60
21	5.430	5.033	DS60ATL21	2517	2 1/2	1 15/16	1 31/64	4 3/16	6.40
24	6.150	5.746	DA60ATL24	2517	2 1/2	1 15/16	1 31/64	4 29/32	8.20

80 Double Single Tapered Bushing 1" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	5.950	5.442	DS80ATL17	2517	2 1/2	2 3/16	1 5/8	4 3/16	7.60
19	6.590	6.067	DS80ATL19	3020	3	2 3/16	1 5/8	4 41/64	9.70
20	6.910	6.392	DS80ATL20	3020	3	2 3/16	1 5/8	5 9/32	10.00

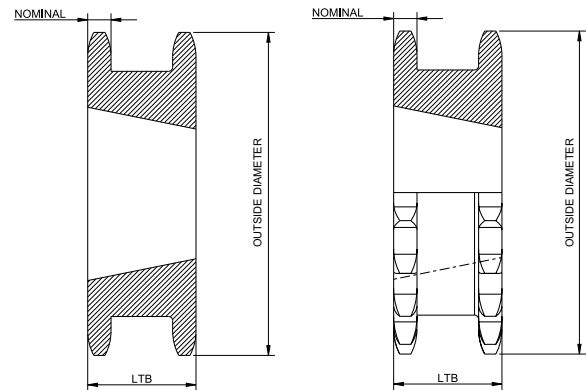
100 Double Single Tapered Bushing 1 1/4" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Pitch Diameter	Catalog Number	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	7.440	6.803	DS100ATL17	3020	3	2 11/16	2	5 13/32	14.00
21	9.040	8.388	DS100ATL21	3020	3	2 11/16	2	7	27.50

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

Sprockets supplied without keyway and setscrews unless specifically requested.



Notes

A large rectangular area filled with a fine grid of small squares, typical of graph paper, intended for writing notes.

ISO 06B-1 9.525 mm (3/8") Pitch — Plain Bore



Type A



Type B Plain Bore

Pitch		Inner width		Roller-ø	
inch	mm	inch	mm	inch	mm
3/8"	9.525	.225"	5.72	1/4"	6.35

Sprockets supplied without keyway and setscrew unless specifically requested.

No. Teeth	Catalog Number	Plain Bore		Wt. Lbs.	Catalog Number	Plain Bore		Max. Bore		Hub Dia.		LTB		Wt. Lbs.	Outside Diameter		Pitch Diameter	
		inch	mm			inch	mm	inch	mm	inch	mm	inch	mm		inch	mm	inch	mm
8	06BA8	0.236	6	.04	06B8	0.315	8	0.354	9	0.591	15	0.866	22	.07	1.102	28.0	0.980	24.89
9	06BA9	0.276	7	.04	06B9	0.315	8	0.394	10	0.709	18	0.866	22	.09	1.220	31.0	1.096	27.85
10	06BA10	0.276	7	.05	06B10	0.315	8	0.472	12	0.787	20	0.866	22	.14	1.339	34.0	1.213	30.82
11	06BA11	0.315	8	.06	06B11	0.315	8	0.551	14	0.866	22	0.984	25	.17	1.457	37.0	1.331	33.8
12	06BA12	0.315	8	.07	06B12	0.315	8	0.630	16	0.984	25	0.984	25	.20	1.575	40.0	1.449	36.8
13	06BA13	0.315	8	.08	06B13	0.394	10	0.709	18	1.102	28	0.984	25	.23	1.693	43.0	1.567	39.8
14	06BA14	0.315	8	.08	06B14	0.394	10	0.787	20	1.220	31	0.984	25	.25	1.823	46.3	1.685	42.8
15	06BA15	0.315	8	.10	06B15	0.394	10	0.866	22	1.339	34	0.984	25	.29	1.941	49.3	1.804	45.81
16	06BA16	0.394	10	.12	06B16	0.394	10	0.866	22	1.457	37	1.102	28	.35	2.059	52.3	1.922	48.82
17	06BA17	0.394	10	.12	06B17	0.394	10	0.984	25	1.575	40	1.102	28	.42	2.177	55.3	2.041	51.83
18	06BA18	0.394	10	.14	06B18	0.394	10	1.063	27	1.693	43	1.102	28	.48	2.295	58.3	2.159	54.85
19	06BA19	0.394	10	.16	06B19	0.394	10	1.102	28	1.772	45	1.102	28	.54	2.413	61.3	2.278	57.87
20	06BA20	0.394	10	.20	06B20	0.394	10	1.142	29	1.811	46	1.102	28	.59	2.531	64.3	2.397	60.89
21	06BA21	0.394	10	.20	06B21	0.472	12	1.181	30	1.890	48	1.102	28	.80	2.677	68.0	2.516	63.91
22	06BA22	0.394	10	.22	06B22	0.472	12	1.181	30	1.969	50	1.102	28	.81	2.795	71.0	2.635	66.93
23	06BA23	0.394	10	.24	06B23	0.472	12	1.260	32	2.047	52	1.102	28	.82	2.894	73.5	2.754	69.95
24	06BA24	0.394	10	.26	06B24	0.472	12	1.339	34	2.126	54	1.102	28	.88	3.031	77.0	2.873	72.97
25	06BA25	0.394	10	.28	06B25	0.472	12	1.417	36	2.244	57	1.102	28	.89	3.150	80.0	2.992	76.0
26	06BA26	0.394	10	.28	06B26	0.472	12	1.496	38	2.362	60	1.102	28	.90	3.268	83.0	3.111	79.02
27	06BA27	0.394	10	.34	06B27	0.472	12	1.496	38	2.362	60	1.102	28	.94	3.386	86.0	3.230	82.04
28	06BA28	0.394	10	.39	06B28	0.472	12	1.496	38	2.362	60	1.102	28	.96	3.504	89.0	3.349	85.07
29	06BA29	0.394	10	.42	06B29	0.472	12	1.496	38	2.362	60	1.102	28	.99	3.622	92.0	3.468	88.09
30	06BA30	0.394	10	.45	06B30	0.472	12	1.496	38	2.362	60	1.181	30	1.02	3.728	94.7	3.587	91.12
31	06BA31	0.472	12	.48	06B31	0.551	14	1.654	42	2.559	65	1.181	30	1.06	3.870	98.3	3.707	94.15
32	06BA32	0.472	12	.51	06B32	0.551	14	1.654	42	2.559	65	1.181	30	1.10	3.988	101.3	3.826	97.17
33	06BA33	0.472	12	.53	06B33	0.551	14	1.654	42	2.559	65	1.181	30	1.19	4.106	104.3	3.945	100.2
34	06BA34	0.472	12	.58	06B34	0.551	14	1.654	42	2.559	65	1.181	30	1.28	4.224	107.3	4.064	103.23
35	06BA35	0.472	12	.60	06B35	0.551	14	1.654	42	2.559	65	1.181	30	1.36	4.346	110.4	4.183	106.26
36	06BA36	0.472	12	.62	06B36	0.630	16	1.772	45	2.756	70	1.181	30	1.40	4.465	113.4	4.303	109.29
37	06BA37	0.472	12	.64	06B37	0.630	16	1.772	45	2.756	70	1.181	30	1.46	4.583	116.4	4.422	112.32
38	06BA38	0.472	12	.66	06B38	0.630	16	1.772	45	2.756	70	1.181	30	1.52	4.705	119.5	4.541	115.34
39	06BA39	0.472	12	.68	06B39	0.630	16	1.772	45	2.756	70	1.181	30	1.58	4.823	122.5	4.660	118.37
40	06BA40	0.472	12	.70	06B40	0.630	16	1.772	45	2.756	70	1.181	30	1.62	4.941	125.5	4.780	121.4
41	06BA41	0.630	16	.74	06B41	0.630	16	1.969	50	3.150	80	1.260	32	1.65	5.059	128.5	4.899	124.43
42	06BA42	0.630	16	.78	06B42	0.630	16	1.969	50	3.150	80	1.260	32	1.68	5.181	131.6	5.018	127.46
43	06BA43	0.630	16	.82	06B43	0.630	16	1.969	50	3.150	80	1.260	32	1.70	5.299	134.6	5.137	130.49
44	06BA44	0.630	16	.87	06B44	0.630	16	1.969	50	3.150	80	1.260	32	1.73	5.417	137.6	5.257	133.52
48	06BA48	0.630	16	1.21	06B45	0.630	16	1.969	50	3.150	80	1.260	32	1.88	5.894	149.7	5.734	145.64
54	06BA54	0.630	16	1.32	06B54	0.630	16	1.969	50	3.150	80	1.260	32	2.20	6.606	167.8	6.450	163.82
60	06BA60	0.630	16	1.66	06B60	0.630	16	1.969	50	3.150	80	1.260	32	2.48	7.323	186.0	7.165	181.99
70	06BA70	0.787	20	2.30	06B70	0.630	16	1.969	50	3.150	80	1.260	32	3.12	8.531	216.7	8.358	212.30
72	06BA72	0.787	20	2.56	06B72	0.630	16	1.969	50	3.150	80	1.260	32	3.42	8.772	222.8	8.597	218.37
80	06BA80	0.787	20	3.16	06B80	0.630	16	1.969	50	3.150	80	1.260	32	3.82	9.728	247.1	9.552	242.61
85	06BA85	0.787	20	3.50	06B85	0.630	16	1.969	50	3.150	80	1.260	32	4.50	10.323	262.2	10.148	257.77
95	06BA95	0.787	20	4.54	06B95	0.630	16	1.969	50	3.150	80	1.260	32	5.16	11.516	292.5	11.342	288.08
110	06BA110	0.787	20	5.00														

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

ISO 08B-1 12.7 mm (½") Pitch — Plain Bore



Type A



Type B Plain bore

Pitch		Inner width		Roller-ø	
inch	mm	inch	mm	inch	mm
½"	12.7	.305"	7.75	.335"	8.51

Sprockets supplied without keyway and setscrew unless specifically requested.

No. Teeth	Catalog Number	Plain Bore		Wt. Lbs.	Catalog Number	Plain Bore		Max. Bore		Hub Dia.		LTB		Wt. Lbs.	Outside Diameter		Pitch Diameter	
		inch	mm			inch	mm	inch	mm	inch	mm	inch	mm		inch	mm	inch	mm
8	08BA8	0.315	8	.07	08B8	0.394	10	0.472	12	0.787	20	0.984	25	.18	1.465	37.2	1.306	33.18
9	08BA9	0.315	8	.09	08B9	0.394	10	0.591	15	0.945	24	0.984	25	.20	1.614	41.0	1.462	37.13
10	08BA10	0.315	8	.11	08B10	0.394	10	0.630	16	1.024	26	0.984	25	.27	1.780	45.2	1.618	41.1
11	08BA11	0.315	8	.14	08B11	0.394	10	0.709	18	1.142	29	0.984	25	.35	1.917	48.7	1.774	45.07
12	08BA12	0.315	8	.18	08B12	0.394	10	0.827	21	1.299	33	1.102	28	.45	2.087	53.0	1.932	49.07
13	08BA13	0.315	8	.22	08B13	0.394	10	0.906	23	1.457	37	1.102	28	.50	2.260	57.4	2.089	53.06
14	08BA14	0.315	8	.26	08B14	0.394	10	1.024	26	1.614	41	1.102	28	.59	2.433	61.8	2.247	57.07
15	08BA15	0.315	8	.30	08B15	0.394	10	1.102	28	1.772	45	1.102	28	.70	2.579	65.5	2.405	61.09
16	08BA16	0.394	10	.34	08B16	0.472	12	1.220	31	1.969	50	1.102	28	.79	2.736	69.5	2.563	65.1
17	08BA17	0.394	10	.36	08B17	0.472	12	1.220	31	2.047	52	1.102	28	1.04	2.898	73.6	2.721	69.11
18	08BA18	0.394	10	.44	08B18	0.472	12	1.378	35	2.205	56	1.102	28	1.22	3.063	77.8	2.880	73.14
19	08BA19	0.394	10	.46	08B19	0.472	12	1.496	38	2.362	60	1.102	28	1.43	3.217	81.7	3.038	77.16
20	08BA20	0.394	10	.56	08B20	0.472	12	1.575	40	2.520	64	1.102	28	1.56	3.378	85.8	3.196	81.19
21	08BA21	0.394	10	.58	08B21	0.472	12	1.654	42	2.677	68	1.102	28	1.73	3.531	89.7	3.355	85.22
22	08BA22	0.394	10	.66	08B22	0.472	12	1.732	44	2.756	70	1.102	28	1.96	3.693	93.8	3.513	89.24
23	08BA23	0.394	10	.72	08B23	0.551	14	1.732	44	2.756	70	1.102	28	2.13	3.866	98.2	3.672	93.27
24	08BA24	0.394	10	.82	08B24	0.551	14	1.732	44	2.756	70	1.102	28	2.41	4.008	101.8	3.830	97.29
25	08BA25	0.394	10	.88	08B25	0.551	14	1.732	44	2.756	70	1.102	28	2.54	4.165	105.8	3.989	101.33
26	08BA26	0.472	12	.94	08B26	0.630	16	1.732	44	2.756	70	1.181	30	2.58	4.331	110.0	4.148	105.36
27	08BA27	0.472	12	.98	08B27	0.630	16	1.732	44	2.756	70	1.181	30	2.66	4.488	114.0	4.307	109.4
28	08BA28	0.472	12	1.10	08B28	0.630	16	1.732	44	2.756	70	1.181	30	2.73	4.646	118.0	4.465	113.42
29	08BA29	0.472	12	1.22	08B29	0.630	16	1.969	50	3.150	80	1.181	30	2.80	4.803	122.0	4.624	117.46
30	08BA30	0.472	12	1.26	08B30	0.630	16	1.969	50	3.150	80	1.181	30	2.98	4.965	126.1	4.783	121.5
31	08BA31	0.472	12	1.40	08B31	0.630	16	2.205	56	3.543	90	1.181	30	3.10	5.126	130.2	4.943	125.54
32	08BA32	0.472	12	1.48	08B32	0.630	16	2.205	56	3.543	90	1.181	30	3.16	5.287	134.3	5.101	129.56
33	08BA33	0.472	12	1.56	08B33	0.630	16	2.205	56	3.543	90	1.181	30	3.22	5.449	138.4	5.260	133.6
34	08BA34	0.472	12	1.64	08B34	0.630	16	2.205	56	3.543	90	1.181	30	3.30	5.614	142.6	5.419	137.64
35	08BA35	0.472	12	1.70	08B35	0.630	16	2.205	56	3.543	90	1.181	30	3.46	5.776	146.7	5.578	141.68
36	08BA36	0.630	16	1.84	08B36	0.630	16	2.205	56	3.543	90	1.378	35	3.58	5.945	151.0	5.737	145.72
37	08BA37	0.630	16	1.92	08B37	0.630	16	2.205	56	3.543	90	1.378	35	3.64	6.087	154.6	5.896	149.76
38	08BA38	0.630	16	2.00	08B38	0.630	16	2.205	56	3.543	90	1.378	35	3.70	6.244	158.6	6.055	153.8
39	08BA39	0.630	16	2.11	08B39	0.630	16	2.205	56	3.543	90	1.378	35	4.24	6.406	162.7	6.214	157.83
40	08BA40	0.630	16	2.22	08B40	0.630	16	2.205	56	3.543	90	1.378	35	4.69	6.567	166.8	6.373	161.87
41	08BA41	0.630	16	2.36	08B41	0.630	16	2.205	56	3.543	90	1.575	40	4.76	6.748	171.4	6.532	165.91
42	08BA42	0.630	16	2.50	08B42	0.630	16	2.205	56	3.543	90	1.575	40	4.82	6.906	175.4	6.691	169.95
43	08BA43	0.630	16	2.68	08B43	0.630	16	2.205	56	3.543	90	1.575	40	5.01	7.075	179.7	6.850	173.99
44	08BA44	0.630	16	2.85	08B44	0.630	16	2.205	56	3.543	90	1.575	40	5.15	7.236	183.8	7.009	178.03
48	08BA48	0.787	20	3.42	08B45	0.630	16	2.205	56	3.543	90	1.575	40	5.74	7.886	200.3	7.645	194.18
54	08BA54	0.787	20	4.44	08B54	0.630	16	2.205	56	3.543	90	1.575	40	6.42	8.823	224.1	8.600	218.43
60	08BA60	0.787	20	5.48	08B60	0.630	16	2.205	56	3.543	90	1.575	40	7.86	9.787	248.6	9.554	242.66
70	08BA70	0.984	25	7.24	08B70	0.630	16	2.205	56	3.543	90	1.575	40	11.00	11.378	289.0	11.144	283.07
72	08BA72	0.984	25	7.74	08B72	0.630	16	2.205	56	3.543	90	1.575	40	11.50	11.701	297.2	11.463	291.16
80	08BA80	0.984	25	9.30	08B80	0.630	16	2.205	56	3.543	90	1.575	40	13.40	12.969	329.4	12.735	323.48
85	08BA85	0.984	25	10.90	08B85	0.630	16	2.205	56	3.543	90	1.575	40	15.10	13.740	349.0	13.531	343.69
95	08BA95	0.984	25	11.80	08B95	0.630	16	2.205	56	3.543	90	1.575	40	16.90	15.358	390.1	13.705	348.11
110	08BA110	0.984	25	19.00											17.744	450.7	17.509	444.74

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

ISO 10B-1 15.875 mm (5/8") Pitch — Plain Bore



Type A



Type B Plain bore

Sprocket Dimensions

Pitch		Inner width		Roller-ø	
inch	mm	inch	mm	inch	mm
5/8"	15.875	.379"	9.65	.400"	10.16

Sprockets supplied without keyway and setscrew unless specifically requested.

No. Teeth	Catalog Number	Plain Bore		Wt. Lbs.	Catalog Number	Plain Bore		Max. Bore		Hub Dia.		LTB		Wt. Lbs.	Outside Diameter		Pitch Diameter	
		inch	mm			inch	mm	inch	mm	inch	mm	inch	mm		inch	mm	inch	mm
8	10BA8	0.394	10	.09	10B8	0.394	10	0.630	16	0.984	25	0.984	25	.25	1.850	47.0	1.633	41.48
9	10BA9	0.394	10	.13	10B9	0.394	10	0.709	18	1.181	30	0.984	25	.36	2.071	52.6	1.828	46.42
10	10BA10	0.394	10	.19	10B10	0.394	10	0.787	20	1.378	35	0.984	25	.48	2.264	57.5	2.022	51.37
11	10BA11	0.394	10	.26	10B11	0.472	12	0.906	23	1.457	37	1.181	30	.64	2.480	63.0	2.218	56.34
12	10BA12	0.394	10	.34	10B12	0.472	12	1.024	26	1.654	42	1.181	30	.85	2.677	68.0	2.415	61.34
13	10BA13	0.394	10	.42	10B13	0.472	12	1.142	29	1.850	47	1.181	30	.88	2.874	73.0	2.611	66.32
14	10BA14	0.394	10	.50	10B14	0.472	12	1.260	32	2.047	52	1.181	30	1.13	3.071	78.0	2.809	71.34
15	10BA15	0.394	10	.54	10B15	0.472	12	1.378	35	2.244	57	1.181	30	1.34	3.268	83.0	3.006	76.36
16	10BA16	0.394	10	.68	10B16	0.472	12	1.496	38	2.362	60	1.181	30	1.51	3.465	88.0	3.204	81.37
17	10BA17	0.472	12	.76	10B17	0.472	12	1.496	38	2.362	60	1.181	30	1.74	3.661	93.0	3.401	86.39
18	10BA18	0.472	12	.86	10B18	0.551	14	1.732	44	2.756	70	1.181	30	2.00	3.870	98.3	3.599	91.42
19	10BA19	0.472	12	.94	10B19	0.551	14	1.732	44	2.756	70	1.181	30	2.22	4.067	103.3	3.797	96.45
20	10BA20	0.472	12	1.06	10B20	0.551	14	1.850	47	2.953	75	1.181	30	2.28	4.268	108.4	3.996	101.49
21	10BA21	0.472	12	1.12	10B21	0.630	16	1.850	47	2.953	75	1.181	30	2.40	4.465	113.4	4.194	106.52
22	10BA22	0.472	12	1.30	10B22	0.630	16	1.969	50	3.150	80	1.181	30	2.56	4.646	118.0	4.392	111.55
23	10BA23	0.472	12	1.44	10B23	0.630	16	1.969	50	3.150	80	1.181	30	2.66	4.858	123.4	4.590	116.58
24	10BA24	0.472	12	1.50	10B24	0.630	16	1.969	50	3.150	80	1.181	30	3.30	5.051	128.3	4.788	121.62
25	10BA25	0.472	12	1.62	10B25	0.630	16	1.969	50	3.150	80	1.181	30	3.40	5.276	134.0	4.987	126.66
26	10BA26	0.630	16	1.72	10B26	0.787	20	2.087	53	3.346	85	1.378	35	3.44	5.472	139.0	5.185	131.70
27	10BA27	0.630	16	1.96	10B27	0.787	20	2.087	53	3.346	85	1.378	35	3.74	5.669	144.0	5.384	136.75
28	10BA28	0.630	16	2.04	10B28	0.787	20	2.205	56	3.543	90	1.378	35	3.80	5.854	148.7	5.582	141.78
29	10BA29	0.630	16	2.36	10B29	0.787	20	2.205	56	3.543	90	1.378	35	4.06	6.055	153.8	5.781	146.83
30	10BA30	0.630	16	2.54	10B30	0.787	20	2.205	56	3.543	90	1.378	35	4.56	6.252	158.8	5.979	151.87
31	10BA31	0.630	16	2.80	10B31	0.787	20	2.362	60	3.740	95	1.378	35	4.74	6.453	163.9	6.178	156.92
32	10BA32	0.630	16	2.92	10B32	0.787	20	2.362	60	3.740	95	1.378	35	4.96	6.650	168.9	6.376	161.95
33	10BA33	0.630	16	3.14	10B33	0.787	20	2.362	60	3.740	95	1.378	35	5.14	6.870	174.5	6.575	167.00
34	10BA34	0.630	16	3.20	10B34	0.787	20	2.362	60	3.740	95	1.378	35	5.29	7.047	179.0	6.774	172.05
35	10BA35	0.630	16	3.34	10B35	0.787	20	2.362	60	3.740	95	1.378	35	5.44	7.248	184.1	6.972	177.10
36	10BA36	0.787	20	3.82	10B36	0.787	20	2.480	63	3.937	100	1.378	35	5.64	7.445	189.1	7.171	182.15
37	10BA37	0.787	20	3.98	10B37	0.787	20	2.480	63	3.937	100	1.378	35	5.90	7.646	194.2	7.370	187.20
38	10BA38	0.787	20	4.14	10B38	0.787	20	2.480	63	3.937	100	1.378	35	6.08	7.843	199.2	7.569	192.24
39	10BA39	0.787	20	4.42	10B39	0.787	20	2.480	63	3.937	100	1.378	35	6.30	8.039	204.2	7.767	197.29
40	10BA40	0.787	20	4.46	10B40	0.787	20	2.480	63	3.937	100	1.378	35	6.50	8.240	209.3	7.966	202.34
41	10BA41	0.787	20	4.70	10B41	0.787	20	2.480	63	3.937	100	1.575	40	6.75	8.496	215.8	8.165	207.39
42	10BA42	0.787	20	4.98	10B42	0.787	20	2.480	63	3.937	100	1.575	40	6.96	8.693	220.8	8.364	212.44
43	10BA43	0.787	20	5.24	10B43	0.787	20	2.480	63	3.937	100	1.575	40	7.06	9.091	230.9	8.563	217.49
44	10BA44	0.787	20	5.42	10B44	0.787	20	2.480	63	3.937	100	1.575	40	7.58	10.075	255.9	8.761	222.53
54	10BA54	0.787	20	8.30	10B54	0.787	20	2.480	63	3.937	100	1.575	40	10.80	11.079	281.4	10.749	273.03
60	10BA60	0.984	25	10.80	10B60	0.787	20	2.480	63	3.937	100	1.969	50	13.00	12.272	311.7	11.942	303.32
70	10BA70	0.984	25	14.00	10B70	0.787	20	2.480	63	3.937	100	1.969	50	18.16	14.260	362.2	13.931	353.84
72	10BA72	0.984	25	15.24	10B72	0.787	20	2.480	63	3.937	100	1.969	50	19.48	14.657	372.3	14.329	363.95
80	10BA80	0.984	25	21.50											16.232	412.3	15.919	404.35
85	10BA85	0.984	25	23.60											17.228	437.6	16.914	429.62
95	10BA95	0.984	25	26.80											19.232	488.5	18.903	480.14
110	10BA110	0.984	25	36.90											22.201	563.9	21.887	555.92

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

ISO 12B-1 19.05 mm ($\frac{3}{4}$ " Pitch — Plain Bore



Type A



Type B Plain bore

Pitch		Inner width		Roller-ø	
inch	mm	inch	mm	inch	mm
$\frac{3}{4}$ "	19.05	.459"	11.68	.475"	12.07

Sprockets supplied without keyway and setscrew unless specifically requested.

Type A				Type B Plain bore								Sprocket Dimensions						
No. Teeth	Catalog Number	Plain Bore		Wt. Lbs.	Catalog Number	Plain Bore		Max. Bore		Hub Dia.		LTB		Wt. Lbs.	Outside Diameter		Pitch Diameter	
		inch	mm			inch	mm	inch	mm	inch	mm	inch	mm		inch	mm	inch	mm
8	12BA8	0.472	12	.32	12B8	0.472	12	0.787	20	1.220	31	1.181	30	.54	2.268	57.6	1.960	49.78
9	12BA9	0.472	12	.38	12B9	0.472	12	0.906	23	1.457	37	1.181	30	.64	2.441	62.0	2.193	55.70
10	12BA10	0.472	12	.44	12B10	0.472	12	1.024	26	1.654	42	1.181	30	.99	2.717	69.0	2.427	61.64
11	12BA11	0.551	14	.54	12B11	0.551	14	1.102	28	1.811	46	1.378	35	1.16	2.953	75.0	2.662	67.61
12	12BA12	0.551	14	.68	12B12	0.551	14	1.260	32	2.047	52	1.378	35	1.47	3.209	81.5	2.898	73.60
13	12BA13	0.551	14	.80	12B13	0.551	14	1.417	36	2.283	58	1.378	35	1.66	3.445	87.5	3.133	79.59
14	12BA14	0.551	14	.94	12B14	0.551	14	1.575	40	2.520	64	1.378	35	2.00	3.685	93.6	3.370	85.61
15	12BA15	0.551	14	1.08	12B15	0.551	14	1.732	44	2.756	70	1.378	35	2.51	3.929	99.8	3.607	91.63
16	12BA16	0.551	14	1.24	12B16	0.551	14	1.969	50	2.953	75	1.378	35	2.81	4.154	105.5	3.844	97.65
17	12BA17	0.551	14	1.44	12B17	0.630	16	1.969	50	3.150	80	1.378	35	3.22	4.390	111.5	4.081	103.67
18	12BA18	0.551	14	1.62	12B18	0.630	16	1.969	50	3.150	80	1.378	35	3.72	4.646	118.0	4.319	109.71
19	12BA19	0.551	14	1.84	12B19	0.630	16	1.969	50	3.150	80	1.378	35	3.92	4.890	124.2	4.557	115.75
20	12BA20	0.551	14	2.12	12B20	0.630	16	1.969	50	3.150	80	1.378	35	4.63	5.106	129.7	4.794	121.78
21	12BA21	0.630	16	2.28	12B21	0.787	20	2.205	56	3.543	90	1.575	40	5.00	5.354	136.0	5.032	127.82
22	12BA22	0.630	16	2.48	12B22	0.787	20	2.205	56	3.543	90	1.575	40	5.25	5.583	141.8	5.270	133.86
23	12BA23	0.630	16	2.68	12B23	0.787	20	2.205	56	3.543	90	1.575	40	5.48	5.866	149.0	5.508	139.90
24	12BA24	0.630	16	3.00	12B24	0.787	20	2.205	56	3.543	90	1.575	40	5.78	6.059	153.9	5.746	145.94
25	12BA25	0.630	16	3.34	12B25	0.787	20	2.205	56	3.543	90	1.575	40	6.13	6.299	160.0	5.984	152.00
26	12BA26	0.630	16	3.54	12B26	0.787	20	2.283	58	3.543	90	1.575	40	6.38	6.531	165.9	6.222	158.04
27	12BA27	0.630	16	3.96	12B27	0.787	20	2.283	58	3.740	95	1.575	40	6.72	6.783	172.3	6.460	164.09
28	12BA28	0.630	16	4.14	12B28	0.787	20	2.283	58	3.740	95	1.575	40	6.88	7.008	178.0	6.698	170.13
29	12BA29	0.630	16	4.40	12B29	0.787	20	2.283	58	3.740	95	1.575	40	7.28	7.248	184.1	6.937	176.19
30	12BA30	0.630	16	4.78	12B30	0.787	20	2.283	58	3.740	95	1.575	40	7.58	7.500	190.5	7.175	182.25
31	12BA31	0.787	20	5.24	12B31	0.787	20	2.480	63	3.937	100	1.575	40	7.72	7.728	196.3	7.414	188.31
32	12BA32	0.787	20	5.52	12B32	0.787	20	2.480	63	3.937	100	1.575	40	8.26	8.004	203.3	7.652	194.35
33	12BA33	0.787	20	5.86	12B33	0.787	20	2.480	63	3.937	100	1.575	40	8.42	8.240	209.3	7.890	200.40
34	12BA34	0.787	20	6.16	12B34	0.787	20	2.480	63	3.937	100	1.575	40	8.80	8.449	214.6	8.128	206.46
35	12BA35	0.787	20	6.78	12B35	0.787	20	2.480	63	3.937	100	1.575	40	9.04	8.701	221.0	8.367	212.52
36	12BA36	0.787	20	6.82	12B36	0.787	20	2.480	63	3.937	100	1.575	40	9.60	8.929	226.8	8.606	218.58
37	12BA37	0.787	20	7.52	12B37	0.787	20	2.480	63	3.937	100	1.575	40	10.24	9.169	232.9	8.844	224.64
38	12BA38	0.787	20	7.84	12B38	0.787	20	2.480	63	3.937	100	1.575	40	10.84	9.409	239.0	9.082	230.69
39	12BA39	0.787	20	8.28	12B39	0.787	20	2.480	63	3.937	100	1.575	40	11.36	9.650	245.1	9.321	236.75
40	12BA40	0.787	20	8.56	12B40	0.787	20	2.480	63	3.937	100	1.575	40	11.50	9.894	251.3	9.559	242.81
41	12BA41	0.984	25	9.10	12B41	0.787	20	2.480	63	3.937	100	1.575	40	12.14	10.130	257.3	9.798	248.87
42	12BA42	0.984	25	9.74	12B42	0.787	20	2.480	63	3.937	100	1.575	40	12.74	10.413	264.5	10.037	254.93
43	12BA43	0.984	25	10.30	12B43	0.787	20	2.756	70	4.331	110	2.205	56	13.35	10.650	270.5	10.275	260.98
44	12BA44	0.984	25	10.76	12B44	0.787	20	2.756	70	4.331	110	2.205	56	13.88	10.886	276.5	10.513	267.03
54	12BA54	0.984	25	15.92	12B54	0.787	20	2.756	70	4.331	110	2.205	56	20.60	13.252	336.6	12.899	327.64
60	12BA60	0.984	25	20.02	12B60	0.787	20	2.756	70	4.331	110	2.205	56	25.22	14.685	373.0	14.330	363.99
70	12BA70	1.181	30	27.20	12B70	0.787	20	2.756	70	4.331	110	2.205	56	31.98	17.071	433.6	16.717	424.60
72	12BA72	1.181	30	28.00	12B72	0.787	20	2.756	70	4.331	110	2.205	56	34.18	17.598	447.0	17.194	436.74
80	12BA80	1.181	30	40.10											19.457	494.2	19.103	485.22
85	12BA85	1.181	30	43.44											20.649	524.5	20.297	515.55
95	12BA95	1.181	30	51.00											23.035	585.1	22.684	576.17
110	12BA110	1.181	30	68.90											26.618	676.1	26.264	667.11

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

ISO 16B-1 25.4 mm (1") Pitch — Plain Bore



Type A



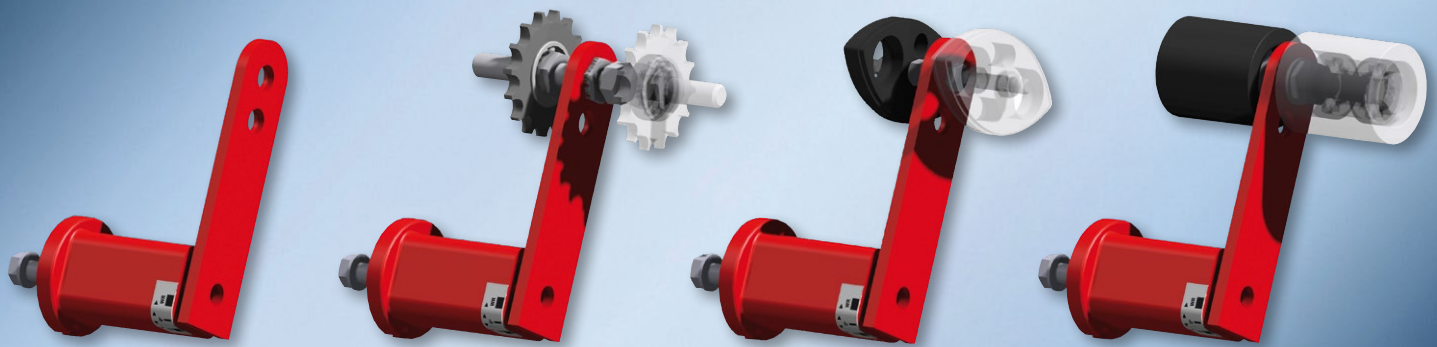
Type B Plain bore

Pitch		Inner width		Roller-ø	
inch	mm	inch	mm	inch	mm
1"	25.4	.670"	17.02	.625"	15.88

Sprockets supplied without keyway and setscrew unless specifically requested.

No. Teeth	Catalog Number	Plain Bore		Wt. Lbs.	Catalog Number	Plain Bore		Max. Bore		Hub Dia.		LTB		Wt. Lbs.	Outside Diameter		Pitch Diameter	
		inch	mm			inch	mm	inch	mm	inch	mm	inch	mm		inch	mm	inch	mm
8	16BA8	0.472	12	.70	16B8	0.630	16	1.024	26	1.654	42	1.378	35	1.40	3.031	77.0	2.613	66.37
9	16BA9	0.472	12	.80	16B9	0.630	16	1.220	31	1.969	50	1.378	35	1.60	3.346	85.0	2.924	74.27
10	16BA10	0.591	15	1.00	16B10	0.630	16	1.339	34	2.165	55	1.378	35	2.20	3.661	93.0	3.236	82.19
11	16BA11	0.591	15	1.30	16B11	0.630	16	1.496	38	2.402	61	1.575	40	3.20	3.917	99.5	3.549	90.14
12	16BA12	0.591	15	1.50	16B12	0.630	16	1.693	43	2.717	69	1.575	40	3.40	4.291	109.0	3.864	98.14
13	16BA13	0.591	15	1.80	16B13	0.630	16	1.929	49	3.071	78	1.575	40	3.50	4.606	117.0	4.178	106.12
14	16BA14	0.591	15	2.20	16B14	0.630	16	2.047	52	3.307	84	1.575	40	4.10	4.921	125.0	4.494	114.15
15	16BA15	0.591	15	2.50	16B15	0.630	16	2.283	58	3.622	92	1.575	40	5.30	5.157	131.0	4.810	122.17
16	16BA16	0.787	20	2.80	16B16	0.787	20	2.520	64	3.937	100	1.772	45	5.90	5.236	133.0	5.126	130.20
17	16BA17	0.787	20	3.30	16B17	0.787	20	2.520	64	3.937	100	1.772	45	6.60	5.866	149.0	5.442	138.22
18	16BA18	0.787	20	3.70	16B18	0.787	20	2.520	64	3.937	100	1.772	45	7.30	6.181	157.0	5.759	146.28
19	16BA19	0.787	20	4.10	16B19	0.787	20	2.520	64	3.937	100	1.772	45	7.80	6.504	165.2	6.076	154.33
20	16BA20	0.787	20	4.70	16B20	0.787	20	2.520	64	3.937	100	1.772	45	8.40	6.819	173.2	6.393	162.38
21	16BA21	0.787	20	4.90	16B21	0.787	20	2.756	70	4.331	110	1.969	50	9.40	7.134	181.2	6.710	170.43
22	16BA22	0.787	20	5.50	16B22	0.787	20	2.756	70	4.331	110	1.969	50	10.00	7.453	189.3	7.027	178.48
23	16BA23	0.787	20	6.30	16B23	0.787	20	2.756	70	4.331	110	1.969	50	10.70	7.776	197.5	7.344	186.53
24	16BA24	0.787	20	6.70	16B24	0.787	20	2.756	70	4.331	110	1.969	50	11.30	8.091	205.5	7.661	194.59
25	16BA25	0.787	20	7.20	16B25	0.787	20	2.756	70	4.331	110	1.969	50	11.90	8.406	213.5	7.979	202.66
26	16BA26	0.787	20	7.80	16B26	0.787	20	2.992	76	4.724	120	1.969	50	14.30	8.724	221.6	8.296	210.72
27	16BA27	0.787	20	8.60	16B27	0.787	20	2.992	76	4.724	120	1.969	50	15.40	9.039	229.6	8.614	218.79
28	16BA28	0.787	20	9.30	16B28	0.787	20	2.992	76	4.724	120	1.969	50	16.00	9.358	237.7	8.931	226.85
29	16BA29	0.787	20	9.80	16B29	0.787	20	2.992	76	4.724	120	1.969	50	17.10	9.677	245.8	9.249	234.92
30	16BA30	0.787	20	10.70	16B30	0.787	20	2.992	76	4.724	120	1.969	50	17.40	10.000	254.0	9.567	243.00
31	16BA31	0.984	25	11.30	16B31	0.984	25	2.992	76	4.724	120	1.969	50	18.70	10.315	262.0	9.885	251.08
32	16BA32	0.984	25	12.10	16B32	0.984	25	2.992	76	4.724	120	1.969	50	19.50	10.630	270.0	10.202	259.13
33	16BA33	0.984	25	13.60	16B33	0.984	25	2.992	76	4.724	120	1.969	50	20.10	10.965	278.5	10.520	267.21
34	16BA34	0.984	25	14.30	16B34	0.984	25	2.992	76	4.724	120	1.969	50	21.30	11.299	287.0	10.838	275.28
35	16BA35	0.984	25	14.80	16B35	0.984	25	2.992	76	4.724	120	1.969	50	22.10	11.661	296.2	11.156	283.36
36	16BA36	0.984	25	16.10	16B36	0.984	25	2.992	76	4.724	120	1.969	50	23.10	11.992	304.6	11.474	291.44
37	16BA37	0.984	25	16.80	16B37	0.984	25	2.992	76	4.724	120	1.969	50	23.80	12.307	312.6	11.792	299.51
38	16BA38	0.984	25	17.20	16B38	0.984	25	2.992	76	4.724	120	1.969	50	24.70	12.626	320.7	12.110	307.59
39	16BA39	0.984	25	17.90	16B39	0.984	25	2.992	76	4.724	120	1.969	50	25.70	12.945	328.8	12.428	315.67
40	16BA40	0.984	25	18.20	16B40	0.984	25	2.992	76	4.724	120	1.969	50	26.70	13.264	336.9	12.745	323.73
41	16BA41	0.984	25	18.80	16B41	0.984	25	2.992	76	4.724	120	1.969	50	27.90	13.606	345.6	13.064	331.82
42	16BA42	0.984	25	19.40	16B42	0.984	25	2.992	76	4.724	120	1.969	50	29.10	13.925	353.7	13.382	339.90
43	16BA43	0.984	25	20.10											14.240	361.7	13.700	347.98
44	16BA44	0.984	25	20.90											14.559	369.8	14.018	356.06
54	16BA54	1.181	30	36.60											17.740	450.6	17.199	436.85
60	16BA60	1.181	30	45.30	16B60	1.181	30	3.150	80	5.236	133	2.756	70	54.50	19.618	498.3	19.107	485.32
70	16BA70	1.181	30	59.80											22.803	579.2	22.289	566.14
72	16BA72	1.181	30	65.70											23.441	595.4	22.926	582.32
80	16BA80	1.181	30	79.60											25.984	660.0	25.471	646.96
85	16BA85	1.181	30	87.50											27.555	699.9	27.063	687.40
95	16BA95	1.181	30	119.00	16B95	1.181	30	3.740	95	6.299	160	3.150	80	129.50	30.787	782.0	30.245	768.22
110	16BA110	1.181	30	162.00											35.512	902.0	35.019	889.48

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



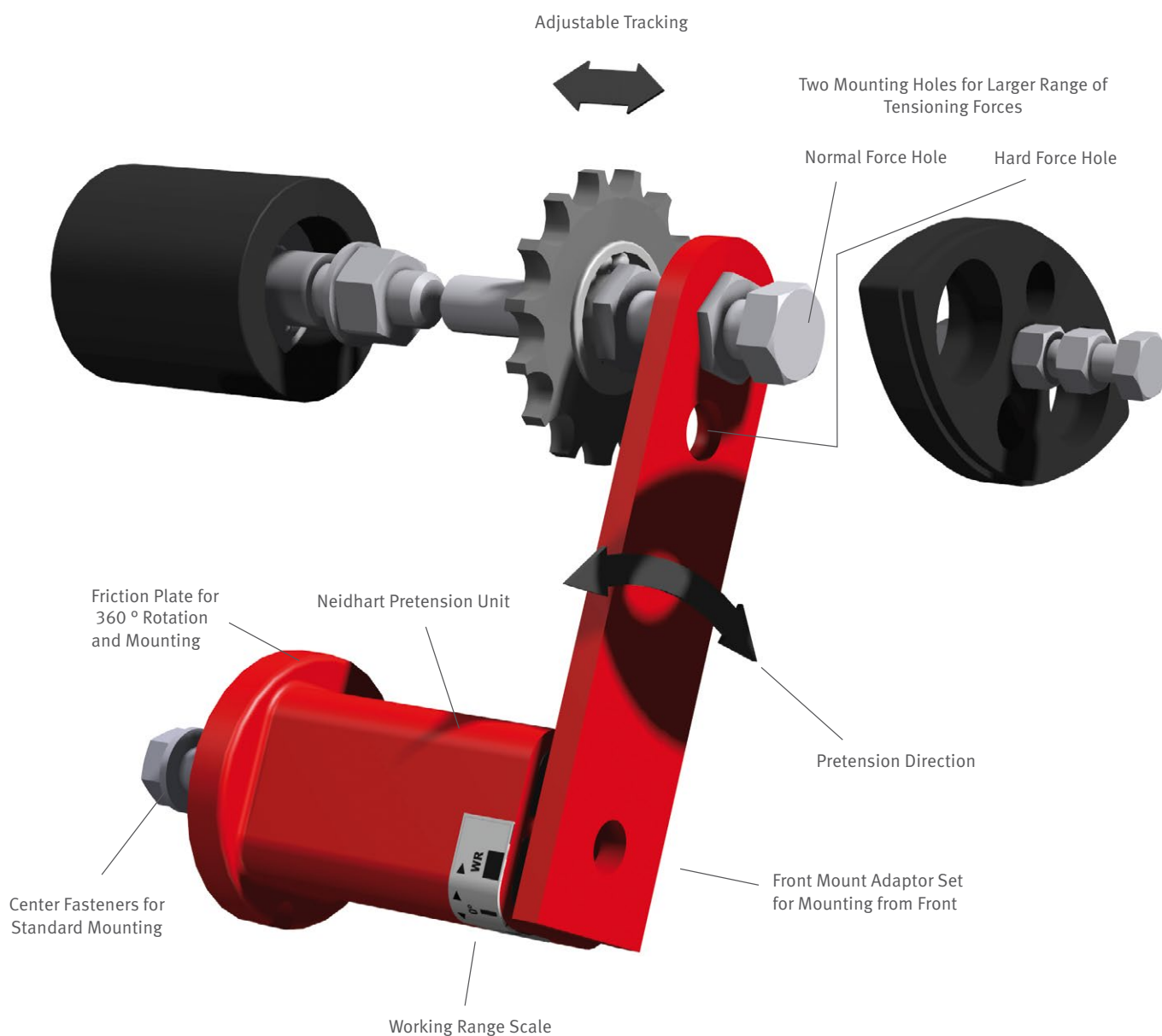
Tensioning Elements



Automatic chain tensioners compensate the chain elongation in the machines and conveyor systems and that way further the run time of the applied chain. iwis chain tensioners are made from high quality materials. Depending on the application various types are available.

Features of Tensioning Element

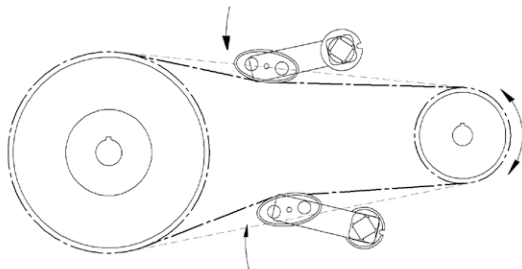
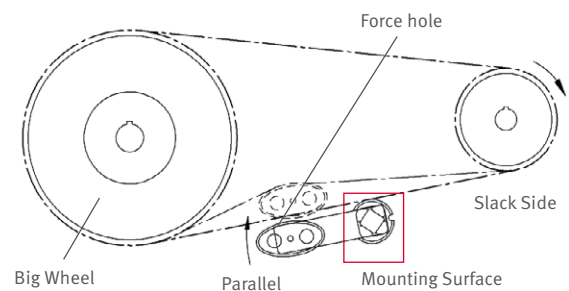
- Chain and belt life is increased
- Noise and vibration damping
- Maintenance free
- Absorbs shock loads
- Safe in operation
- Self adjusting
- Progressive spring characteristics
- Operating angle -30° to 30°
- Resistant to temperature -100° to 185°F



General Mounting Guidelines

Chain Drives

- Always use **Chain Rider** if possible.
- Tensioning Element should be located on the slack side of the chain.
- Mount closer to the big wheel.
- Mount parallel as possible to chain drive
- Mounting surface must be strong, flat and big enough for friction plate.

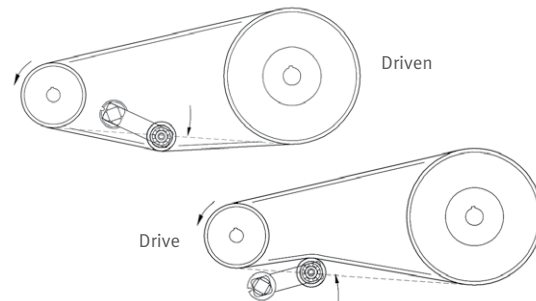


Reversible Chain Drives

- Always use Chain Rider.
- Tensioning Elements on both side of chain.
- Mount closer to the big wheel.
- Mount parallel as possible to chain drive.
- Mounting surface must be strong, flat and big enough for friction plate.

V-Belt & Flat Belt Drives

- Use **Roller** or v-belt pulley with bearing
- Tensioning Element should be located on the slack side of the belt.
- Mount closer to the drive pulley.
- Mount parallel as possible to belt drive
- Mounting surface must be strong, flat and big enough for friction plate.



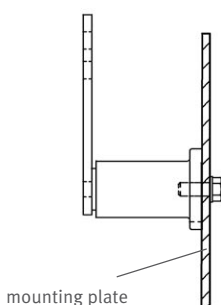
Back Mounted

- Turn unit with a wrench to the desired direction to working deflection scale.
- Retighten mounting bolt and torque to standard specifications

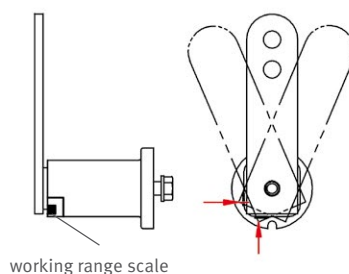
Front Mounted

- Remove center fasteners and insert Front Mount Adaptor Kit.
- Mount Tensioning Element.
- Turn Neidhart Pretension unit with a wrench to the desired direction to working deflection scale.
- Fasten cap screw and torque to standard specification.

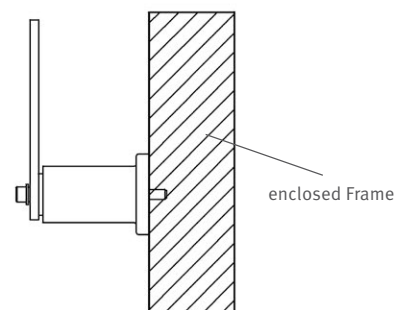
Back mounted



Working range



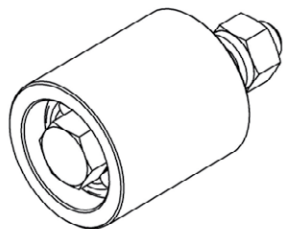
Front mounted



Application Table

ANSI Chain Size	Pitch	Various Sets and their Part No.'s						Tensioning Element Type
		Simplex Sprocket Set	Duplex Sprocket Set	Triplex Sprocket Set	Simplex Rider Set	Duplex Rider Set	Tensioning Element	
35	3/8"				RC 038 08S	RC 038 08S RC 038 08	TEJ0 030	TE 2
		SP 038 10S	SP 038 10S SP 038 10D10				TEJ0 040	TE 3
		SP 038 10S	SP 038 10S SP 038 10D10	SP 038 10S SP 038 10D10 SP 038 10D10			TEJ0 050	TE 4
40	1/2"				RC 012 10S	RC 012 10S RC 012 10	TEH0 040	TE 3
		SP 012 10S	SP 012 10S SP 012 10D10		RC 012 10S	RC 012 10S RC 012 10	TEG0 050	TE 4
				SP 012 12T				TE 5
50	5/8"				RC 058 10S	RC 058 10S RC 058 10	TEH0 040	TE 3
					RC 058 10S	RC 058 10S RC 058 10	TEG0 050	TE 4
		SP 058 12S	SP 058 12S SP 058 12D10	058 12D10 SP 058 12D10 SP 058 12D10			TEF0 075	TE 5
				SP 058 20T			TEE0 100	TE 6
60	3/4"	SP 034 12S	SP 034 12S SP 034 12D10		RC 034 12S	RC 034 12S RC 034 12	TEF0 075	TE 5
		SP 034 20S	SP 034 20S SP 034 20D10	SP 034 20S SP 034 20D10 SP 034 20D10			TEE0 100	TE 6
80	1"	SP 100 20S	SP 100 20S SP 100 20D10				TEE0 100	TE 6
				SP 100 20S SP 100 20D10 SP 100 20D10			TED0 150	TE 7
100	1 1/4"	SP 114 20S	SP 114 20S SP 114 20D10	SP 114 20S SP 114 20D10 SP 114 20D10			TED0 150	TE 7
		SP 114 20S	SP 114 20S SP 114 20D10	SP 114 20S SP 114 20D10 SP 114 20D10			TEA0 150	TE 8
120	1 1/2"	SP 112 20S	SP 112 20S SP 112 20D10	SP 112 20S SP 112 20D10 SP 112 20D10			TED0 150	TE 7
		SP 112 20S	SP 112 20S SP 112 20D10	SP 112 20D10 SP 112 20D10 SP 112 20D10			TEA0 150	TE 8

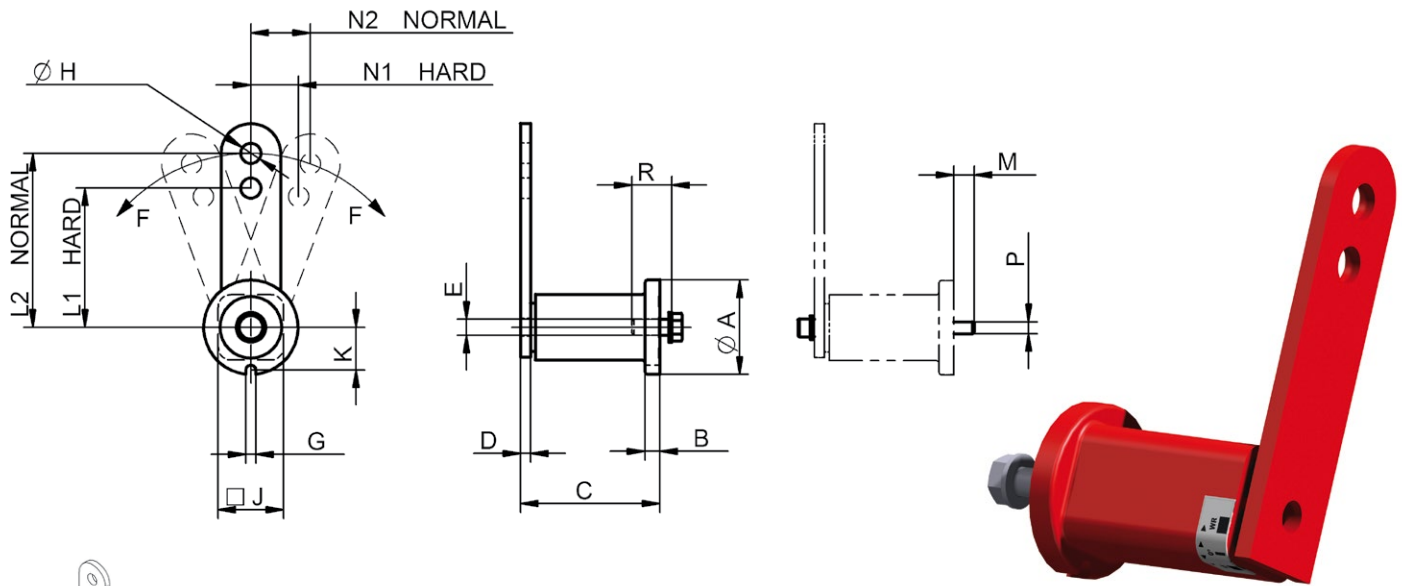
Range of rollers



Max. Belt Width	Part No.'s		Tensioning Element Type
	Roller Set	Tensioning	
1.18"	ROJ0 035	TEJ0 030	TE 2
1.57"	ROH0 045	TEH0 040	TE 3
1.57"	ROH0 045	TEG0 040	TE 4
2.16"	ROF0 060	TEF0 075	TE 5
3.35"	ROE0 090	TEE0 100	TE 6

Tensioning Element

Technical Data



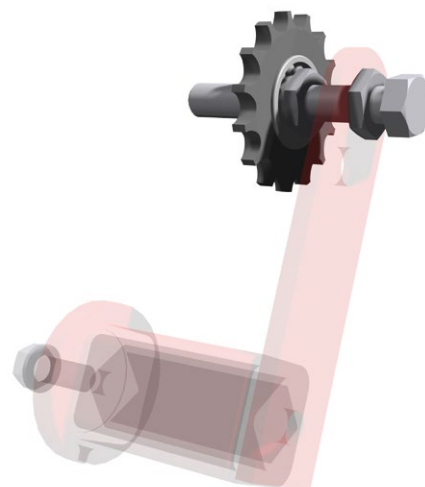
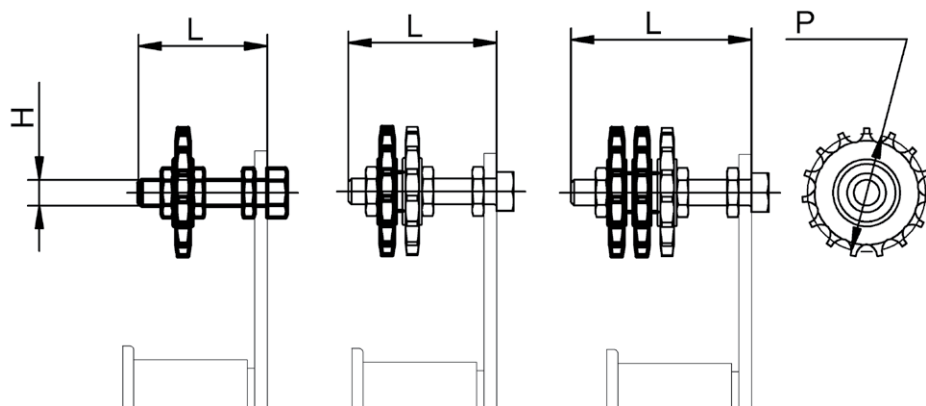
 Tensioning Element Part No	 Weight in lbs	 Front Mount Adaptor Kit Part No.	Force in lb				Deflection in inches				Tensioning Element Type
			Position: Hard (N1)		Position: Normal (L2)		Position: Hard (N1)		Position: Normal (L2)		
			@ Ideal Work Force	@ Max Force	@ Ideal Work Force	@ Max Force	@ Ideal Work Force	@ Max Force	@ Ideal Work Force	@ Max Force	
TEJ0 030	0.55	—	6.7 - 12.4	22.5	5.6 - 9.0	16.9	0.59 - 0.79	1.18	0.79 - 1.18	1.57	TE 2
TEH0 040	0.88	TEHF 04010	11.2 - 18.0	37.1	9.0 - 14.6	29.2	0.79 - 1.18	1.57	0.98 - 1.38	1.97	TE 3
TEG0 050	1.54	TEGF 05010	38.2 - 50.6	105.7	30.3 - 45.0	85.4	0.79 - 1.18	1.57	0.98 - 1.38	1.97	TE 4
TEF0 075	4.41	TEFF 07510	74.2 - 113.5	240.5	56.2 - 87.7	184.3	0.98 - 1.38	1.97	1.38 - 1.77	2.56	TE 5
TEE0 100	8.82	TEEF 10010	134.9 - 209.1	433.9	107.9 - 167.5	346.2	1.38 - 1.97	2.76	1.77 - 2.36	3.46	TE 6
TED0 150	17.64	TEDF 15010	243.9 - 375.4	748.6	194.5 - 300.1	600.2	1.77 - 2.56	3.54	2.36 - 3.15	4.45	TE 7
TEA0 150	22.05	TEAF 15010	283.3 - 477.7	1095.9	227.1 - 382.2	876.8	1.97 - 2.76	3.98	2.56 - 3.35	4.96	TE 8

Dimensions

Part No.	A	B	C	D	E	Tightening Torque lb.ft	G	H	J	K	L1	L2	M	P	Tightening Torque lb.ft	R	Tensioning Element
TEJ0 030	1.38	0.24	2.01	0.20	M6	9	0.28	0.33	0.87	0.67	2.36	3.15	—	—	—	0.75	TE 2
TEH0 040	1.77	0.31	2.52	0.20	M8	21	0.28	0.41	1.18	0.83	3.15	3.94	0.47	M6	14	2.00	TE 3
TEG0 050	2.28	0.39	3.07	0.24	M10	41	0.31	0.41	1.38	0.98	3.15	3.94	0.75	M8	34	1.25	TE 4
TEF0 075	3.07	0.55	4.21	0.28	M12	72	0.39	0.49	2.05	1.34	3.94	5.12	0.71	M10	68	1.50	TE 5
TEE0 100	3.74	0.59	5.51	0.39	M16	180	0.39	0.81	2.60	1.69	5.51	6.89	0.71	M12	118	1.50	TE 6
TED0 150	4.53	0.63	7.87	0.47	M20	351	0.47	0.81	3.15	1.97	7.09	8.86	1.30	M16	293	2.00	TE 7
TEA0 150	5.12	0.79	8.27	0.79	M24	606	0.67	0.81	3.07	2.22	7.87	9.84	0.91	M20	572	2.50	TE 8

Sprocket Set

Technical Data

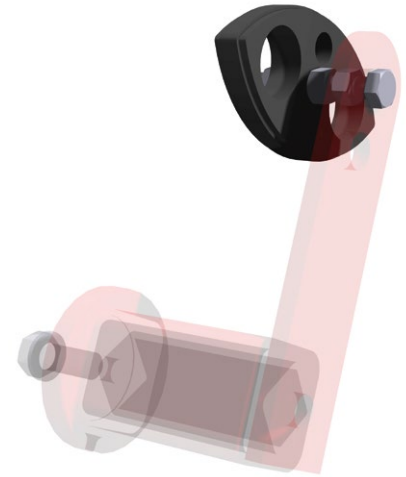
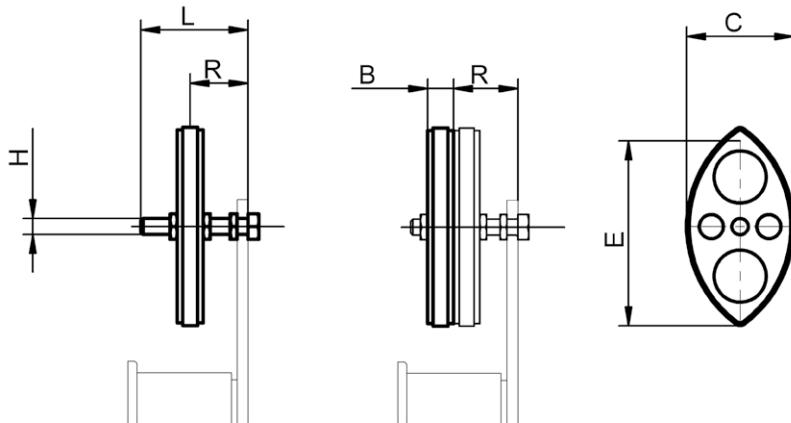


Sprocket Part No

Simplex "S"	Duplex "D"	Triplex „T“	Pitch	ANSI Chain Size	No. of Teeth	Dimensions - inches			Tensioning Element Type
						H	L	P	
SP 038 10S	SP 038 10S SP 038 10D10	SP 038 10S SP 038 10D10 SP 038 10D10	3/8"	35	19	M10	2.25	2.28	TE 3 / 4
						M10	2.75		TE 4
SP 012 10S	SP 012 10S SP 012 10D10	SP 012 12T	1/2"	40	18	M10	2.25	2.28	TE 4
						M12	3.25		TE 5
SP 058 12S	SP 058 12S SP 058 12D10	SP 058 12S SP 058 12D10 SP 058 12D10	5/8"	50	17	M12	3.25	3.40	TE 5
		SP 058 20T				M20	4.75		TE 6
SP 034 12S	SP 034 12S SP 034 12D10	SP 034 20S SP 034 20D10 SP 034 20D10	3/4"	60	15	M12	3.25	3.61	TE 5
SP 034 20S	SP 034 20S SP 034 20D10					M20	4.75		TE 6
SP 100 20S	SP 100 20S SP 100 20D10	SP 058 20T	1"	80	12	M20	4.75	3.86	TE 6
		SP 100 20S SP 100 20D10 SP 100 20T10				M20	6.25		TE 7
SP 114 20S	SP 114 20S SP 114 20D10	SP 114 20S SP 114 20D10 SP 114 20D10	1 1/4"	100	11	M20	6.25	4.44	TE 7 / 8
SP 112 20S	SP 112 20S SP 112 20D10	SP 112 20S SP 112 20D10 SP 112 20D10	1 1/2"	120	11	M20	7.00	5.32	TE 7 / 8

Chain Rider

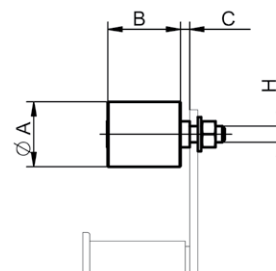
Technical Data



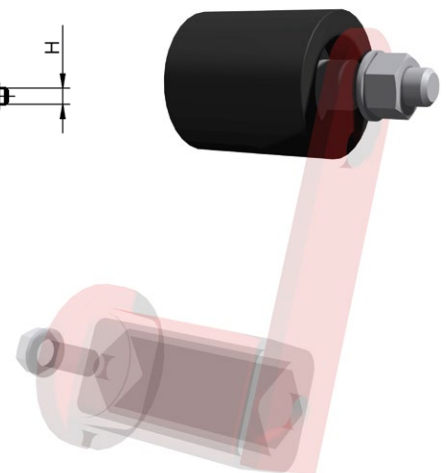
Part No		Part No				Dimensions - Inches					Adjusting Range R		Tensioning Element Type
	Weight in lbs		Weight in lbs	Pitch	ANSI Chain Size	B	C	E	H	L	Simplex	Duplex	
RC 038 5165	0.13	RC 038 085 RC 038 08	0.20	3/8"	35	0.40	1.57	2.95	5/16	1.75	0.75-1.34	0.98-1.18	TE 2
RC 012 0385	0.29	RC 012 10S RC 012 10	0.42	1/2"	40	0.55	1.97	3.74	3/8	2.25	0.91-1.61	1.18-1.34	TE 3 / 4
RC 058 0385	0.40	RC 058 10S RC 058 10	0.64	5/8"	50	0.65	2.56	4.92	3/8	2.25	0.94-1.73	1.34-1.42	TE 3 / 4
RC 034 1125	0.71	RC 034 12S RC 034 12	1.15	3/4"	60	0.77	2.95	5.91	1/2	3.25	1.18-2.40	1.57-2.05	TE 5

Roller Set

Technical Data



Part No			Dimensions - Inches				Tensioning Element Type
	Weight in lbs	Max Speed rpm	A	B	C	H	
ROJ0 035	0.18	8000	1.18	1.38	0.04	5/16	TE 2
ROH0 045	0.37	8000	1.57	1.77	0.24	3/8	TE 3 / 4
ROF0 060	0.88	6000	2.36	2.36	0.28	1/2	TE 5
ROE0 090	2.54	5000	3.15	3.54	0.33	5 / 8	TE 6
ROD0 135	3.86	4500	3.54	5.31	0.39	3 / 4	TE 7 / 8



Chemical Resistance

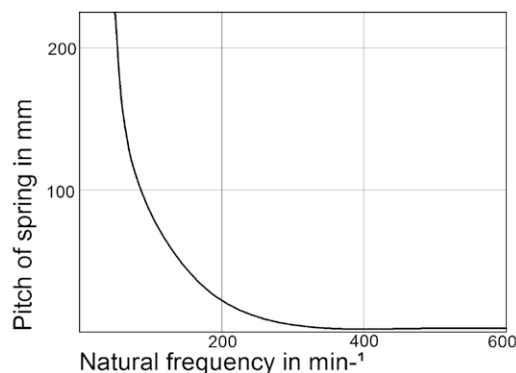
The rubber suspension units are fitted with elastomeric elements containing a natural rubber base (standard quality "Oscillating Mix 01"). The superior technology represents a high standard supported by decades of experience and empirical know-how. The resistance to most chemical agents is excellent.

The following table is merely a guideline and represents the ability of the rubber to resist exposure to various liquids and solvents. It is important to know the degree of concentration of the chemical solvent. Therefore we suggest making a test installation for difficult environments.

ELASTOMER MIX	01	ELASTOMER MIX	01	ELASTOMER MIX	01
Acetic Acid up to 25%	o	Hydraulic Oil	oo	Seawater	++
Acetone	+	Hydrochloric Acid up to 25%	++	Soda Lye up to 25% (20°)	++
Alcohol	++	Hydrogen Sulfide	oo	Sugar Molasses	++
Ammonia	+	Javel Water	+	Sulfuric Acid up to 10%	++
Benzole	oo	Lactic Acid	++	Tannic Acid	++
Citric Acid	++	Lubrication Oil	oo	Tartaric Acid	++
Formic Acid	++	Lye	+	Toluene	oo
Fruit Juice	++	Milk	+	Varnish Solvent	oo
Fuel Oil	oo	Nitric Acid up to 10%	o	Water	++
Gasoline	oo	Petroleum	oo	Wine	++
Glycerine	++	Phosphoric Acid up to 85%	++		

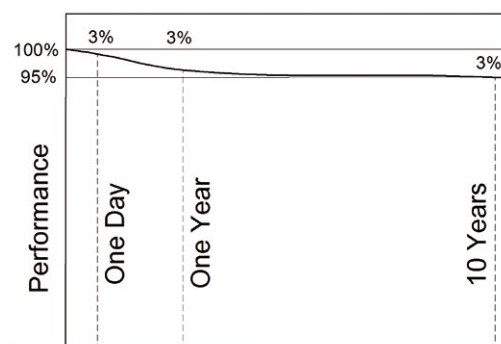
++ excellent + good o sufficient oo insufficient

Characteristics of Rubber



Natural Frequency and Deflection Relation

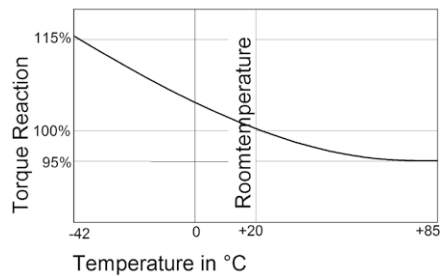
- The empirical setting factor of the rubber suspension unit lies within 3° and 5°, i.e. the inner part does not move back to the neutral 0-position.



Cold Flow and Setting

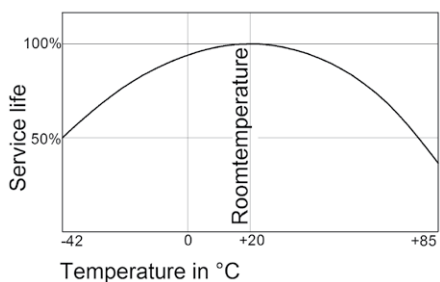
- Average lifespan of the element ±10 years
- Static performance of molecules has to be considered by the designer.
- According to the respective diagram more than 50% of the permanent deformation has been compensated after only one day of service.

Characteristics of Rubber



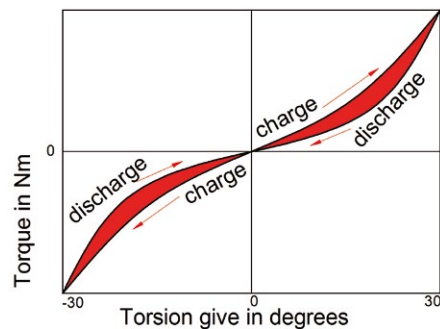
Temperature Influence

- Torque reaction ideal at 20 °C
- With falling temperature (minus temperatures) the resulting torque and the corresponding hysteresis increases.
- Due to molecular friction the rubber inserts warm up. Therefore the effective element temperature does not directly correspond with the ambient temperature.



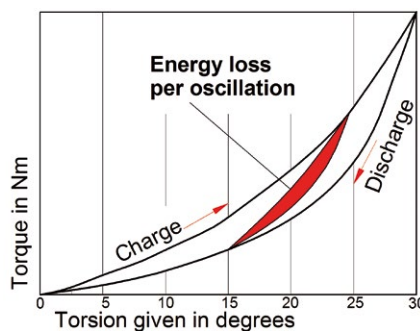
Service Life

- Service life 100% at 20°
- The opposite service life curve shows the deduction of the life expectation to factor 1 at extreme temperatures.



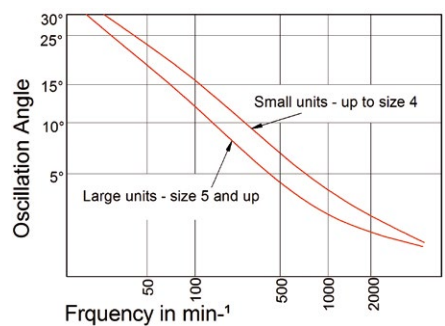
Progressive Spring Characteristics

- Corresponding to the unique system of the rubber suspension units an analogous and slightly progressive spring characteristic may be achieved, when load is applied in the + or - torsion range.



Noise and Vibration Damping

- The damping rate of the rubber suspension unit lies within the ideal range of 15 to 25°.



Permissible Frequencies

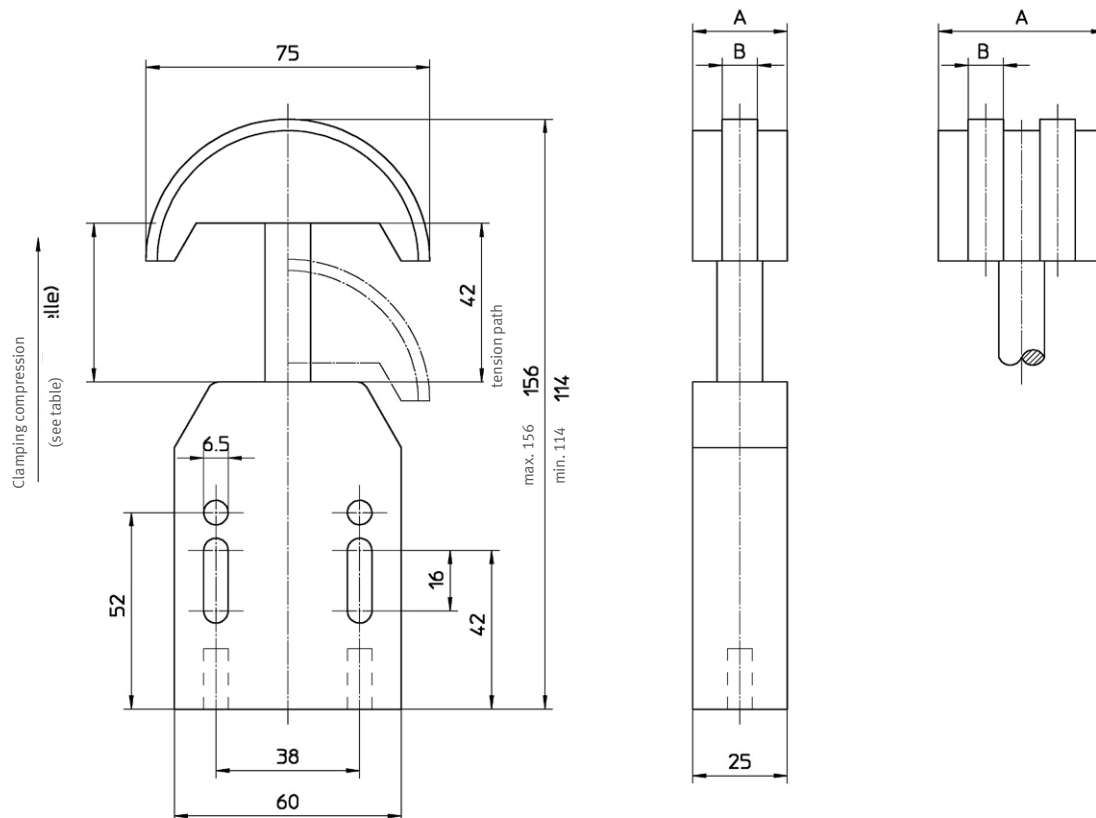
- Small oscillating angles = high frequencies
- Large oscillating angles = low frequencies

Chain Tensioner Size 1

The tensioning pressure of the newly developed chain adjuster is transferred to the chain by means of a recoil-attenuated gas-filled spring device via the sliding pad. By using the familiar gas-filled spring device with recoil attenuation a consistent tensioning pressure is attained over the entire tension path. This key advantage compared with the previous design of chain adjusters with a flat spiral spring (sharply falling spring characteristic), guarantees a largely vibration-free chain drive.

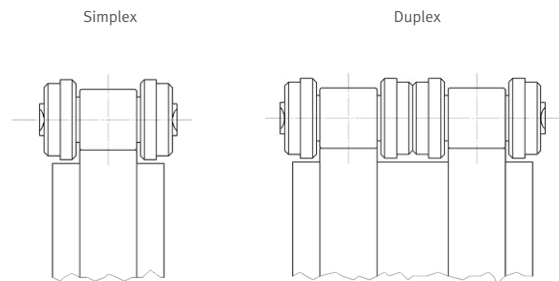
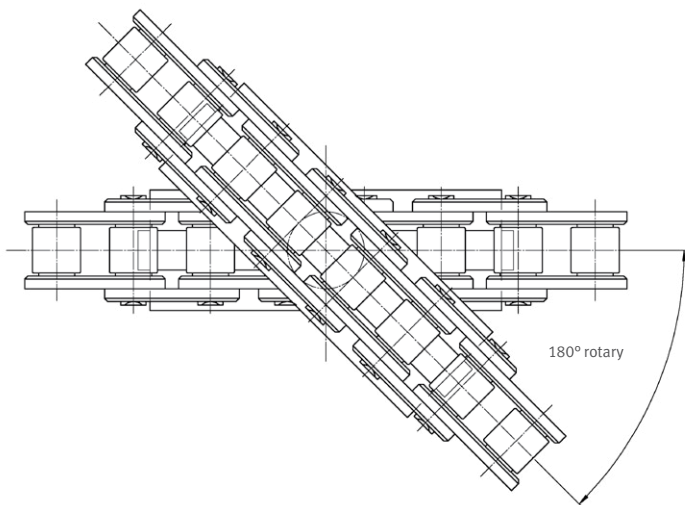
Advantages:

- Consistent tensioning pressure along the entire tensioning path
- Vibration and noise attenuating
- Low coefficient of friction
- Wear-resistant
- Self-lubricating
- Range of application from -30 to +80 °C



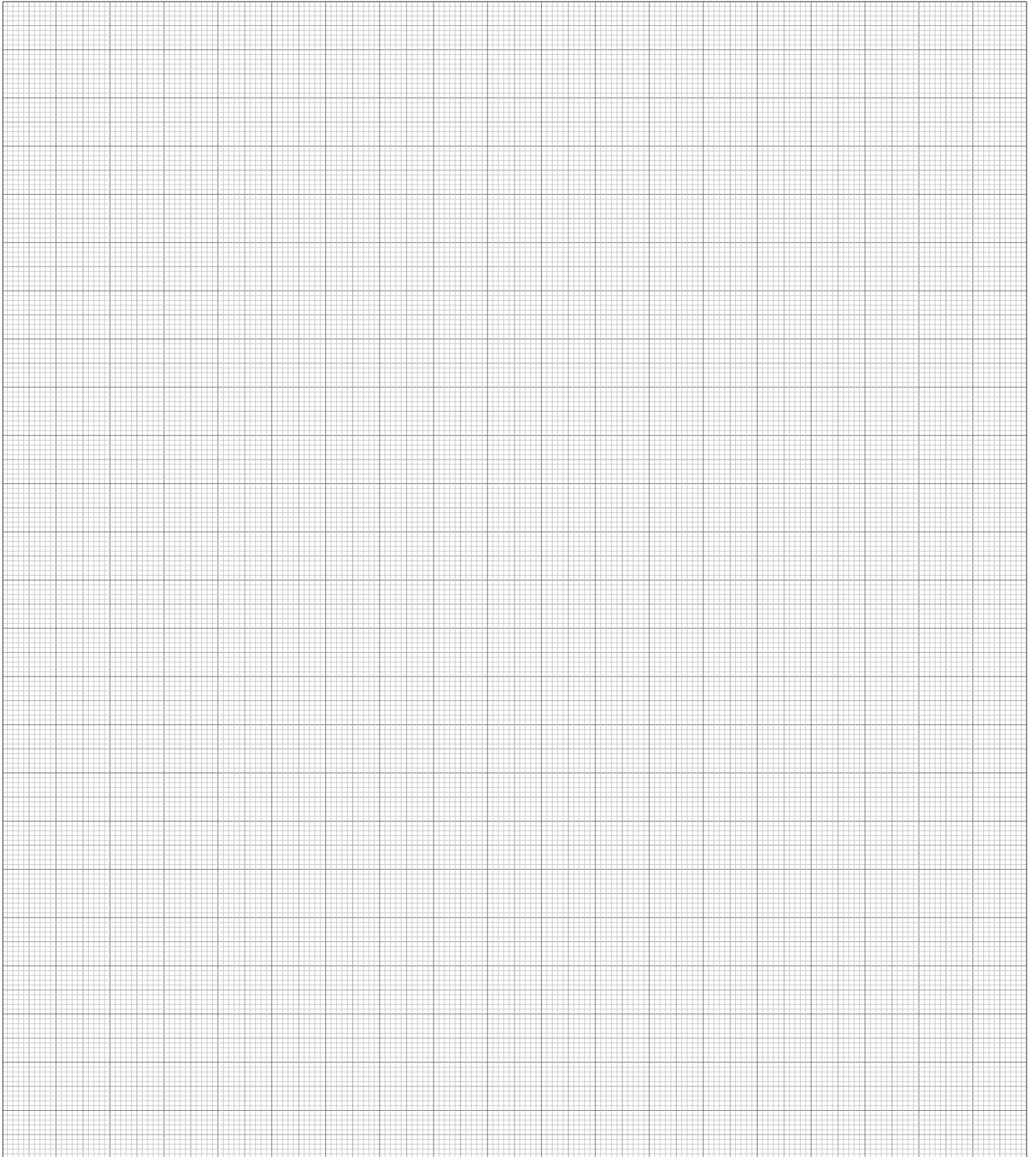
Chain Tensioner Size 1

The housing of the chain adjuster is made from high-grade fibre-glass reinforced polyamide. The wear-resistant and noise-damping slide pads are made from the ultra high molecular high-density polyethylene material FT 1000.



Roller chain		Simplex				Duplex			
DIN 8187 DIN 8188		Clamping compression	A	B	Gr.1	Clamping compression	A	B	Gr.1
		N	mm	mm	Form	N	mm	mm	Form
05 B	–	60	25	2,8		–	–	–	
06 B	ANSI 35	60	25	4,5		60	25	4,5	
08 B	ANSI 40	60	25	7,5		120	25	7,4	
10 B	ANSI 50	60	25	9,3		120	25	8,1	
12 B	ANSI 60	120	25	11,5		200	25	7,8	
16 B	–	200	40	16,8		–	–	–	–

Notes





High Precision Chains



Engineering Manual



MEGAlife Roller Chains



Transfer Chains



Spike Chains



Flat Top Chains



Drive and Conveyor Chains



Sprockets and
Drive Components



Roller and Conveyor Chains



Agricultural Chains



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