



U.S. Tsubaki, Inc.

Power Transmission Components Division

Sprocket Catalog



www.ustsubaki.com

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U.S. Tsubaki Sprockets

Total quality systems start here.

System performance depends on proper chain-sprocket interaction, which means your choice for sprockets can drive your operation's success. Make the right — and easy — choice with sprockets from U.S. Tsubaki.

Only U.S. Tsubaki offers both chain and sprocket manufacturing capabilities — providing not only the best chain for your application, but sprockets designed to maximize system performance. When chains and sprockets articulate correctly, you get longer service life from your chain. That means long-term savings and real value for your operation.

- Reduced downtime for maintenance
- Increased productivity
- Lower replacement costs

Keep your system on the cutting edge with U.S. Tsubaki Sprockets.

Quality Construction

Discover the difference quality makes. U.S. Tsubaki Sprockets are built from top-grade, heat-treated carbon steel to offer long wear life, resist abrasion, and withstand heavy shock loads. Alloy and stainless steel sprockets are also available for extra corrosion resistance and food-grade applications. Precision manufacturing at our ISO-certified facilities ensures that every U.S. Tsubaki Sprocket stands up to critical design specifications and meets the highest quality standards. You get long service life and reliable performance, turn after turn, time after time.

Complete Selection

Get up and running — right away — in new or retrofit operations. U.S. Tsubaki Sprockets are available in the styles and sizes you need. No. 25 through No. 240 pitch styles ship quickly in a wide range of bore sizes and tooth counts.

- Type A Plain Bore (no hub extension)
- Type B Plain Bore (one-sided hub extension)
- Type C Plain Bore (two-sided hub extension)
- Finished Bore
- TAPER-LOCK® Sprockets and Bushings
- QD® Sprockets and Bushings

Value Delivered

Get the quality you need from one of the most trusted names in power transmission. U.S. Tsubaki Sprockets save you time and money. Take advantage of our outstanding customer service and consolidate your shipments. Simplify inventory management, improve material handling, and increase profits with U.S. Tsubaki Sprockets.



No. 25 ¹/₄" Pitch — Plain Bore

Dimensions are in inches unless otherwise indicated.

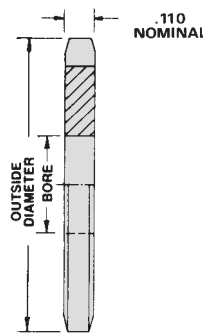
Sprocket Diameters				Type A				Type B						
No. Teeth	Outside Diameter	¹ / ₄ " Pitch		Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
		Pitch Diameter	Caliper Diameter											
9	.837	.731	.590					25B9	\$16.00		1/4	7/16	1/2	.03
10	.919	.809	.679					25B10	16.40		1/4	1/2	1/2	.04
11	1.001	.887	.748					25B11	16.80		5/16	9/16	1/2	.05
12	1.083	.966	.836					25B12	17.40		3/8	5/8	1/2	.06
13	1.164	1.045	.907					25B13	18.20		7/16	23/32	1/2	.07
14	1.245	1.123	.994					25B14	18.60		9/16	13/16	1/2	.08
15	1.326	1.203	1.066					25B15	18.60		9/16	7/8	1/2	.10
16	1.407	1.282	1.152					25B16	19.20		5/8	31/32	1/2	.12
17	1.487	1.361	1.225					25B17	19.60		21/32	11/32	1/2	.14
18	1.568	1.440	1.310	25A18	\$21.00	1/4	.04	25B18	20.40		3/4	1 1/8	1/2	.16
19	1.648	1.519	1.384	25A19	21.20	1/4	.04	25B19	20.40		13/16	17/32	1/2	.19
20	1.728	1.598	1.468	25A20	21.20	1/4	.04	25B20	21.00		7/8	19/32	5/8	.25
21	1.809	1.677	1.543	25A21	21.40	1/4	.04	25B21	21.80		7/8	1 3/8	5/8	.28
22	1.889	1.757	1.627	25A22	21.60	1/4	.06	25B22	22.20		15/16	17/16	5/8	.31
23	1.969	1.836	1.702	25A23	22.00	1/4	.06	25B23	23.20		1	1 1/2	5/8	.32
24	2.049	1.915	1.785	25A24	22.20	3/8	.08	25B24	24.40	3/8	1	1 1/2	5/8	.33
25	2.129	1.995	1.861	25A25	22.60	3/8	.08	25B25	24.80	3/8	1	1 1/2	5/8	.34
26	2.209	2.074	1.944	25A26	23.20	3/8	.09	25B26	25.80	3/8	1	1 1/2	5/8	.35
28	2.369	2.233	2.103	25A28	24.00	3/8	.10	25B28	28.00		1	1 1/2	5/8	.37
30	2.529	2.392	2.262	25A30	24.00	3/8	.12	25B30	29.80		1	1 1/2	5/8	.39
32	2.688	2.551	2.421	25A32	28.60	3/8	.14	25B32	32.40		1	1 1/2	5/8	.41
35	2.928	2.789	2.656	25A35	29.40	3/8	.16	25B35	34.20		1	1 1/2	5/8	.46
36	3.008	2.868	2.738	25A36	29.60	3/8	.18	25B36	36.60		1	1 1/2	3/4	.49
40	3.327	3.186	3.056	25A40	30.40	3/8	.20	25B40	41.80		1 1/4	2	3/4	.52
45	3.725	3.584	3.452	25A45	31.20	1/2	.25	25B45	45.80		1 1/4	2	3/4	.55
48	3.964	3.822	3.692	25A48	31.80	1/2	.32	25B48	49.40		1 1/4	2	3/4	.57
54	4.442	4.300	4.170	25A54	33.00	1/2	.38	25B54	54.80		1 1/4	2	3/4	.98
60	4.920	4.777	4.647	25A60	34.00	1/2	.54	25B60	60.60		1 1/4	2	3/4	1.10
72	5.876	5.731	5.601	25A72	36.20	1/2	.74	25B72	72.60		1 1/4	2	3/4	1.30

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

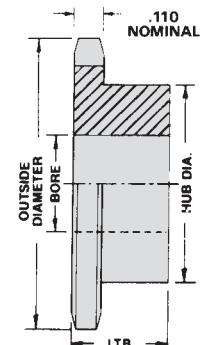
† Dimensions shown allow for standard keyway with set screw at 90°

CHAIN TECHNICAL DATA

Size	25
Pitch	1/4"
Inside Width	1/8"
Roller Diameter	.130"



TYPE A

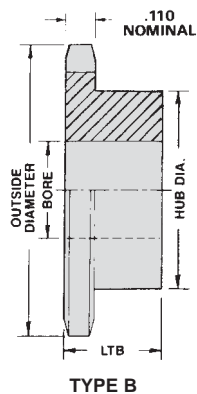


TYPE B

No. 25 ¹/₄" Pitch — Stainless Steel

Dimensions are in inches unless otherwise indicated.

Single — Type B — Stainless Steel								
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	.837	25B9SS	\$102.40	1/4	1/4	7/16	1/2	.03
10	.919	25B10SS	104.60	1/4	1/4	1/2	1/2	.04
11	1.001	25B11SS	106.80	1/4	5/16	9/16	1/2	.05
12	1.083	25B12SS	110.80	1/4	3/8	5/8	1/2	.06
13	1.164	25B13SS	115.20	1/4	7/16	29/32	1/2	.07
14	1.245	25B14SS	117.40	1/4	9/16	13/16	1/2	.08
15	1.326	25B15SS	119.20	1/4	9/16	7/8	1/2	.10
16	1.407	25B16SS	122.00	1/4	5/8	31/32	1/2	.12
17	1.487	25B17SS	123.80	1/4	21/32	11/32	1/2	.14
18	1.568	25B18SS	127.60	1/4	3/4	1 1/8	1/2	.16
19	1.648	25B19SS	130.40	1/4	19/16	17/32	1/2	.19
20	1.728	25B20SS	132.20	1/4	7/8	19/32	5/8	.25
21	1.809	25B21SS	139.40	1/4	7/8	1 3/8	5/8	.28
22	1.889	25B22SS	144.60	1/4	15/16	17/16	5/8	.31
23	1.969	25B23SS	150.80	1/4	1	1 1/2	5/8	.32
24	2.049	25B24SS	153.40	3/8	1	1 1/2	5/8	.33
25	2.129	25B25SS	158.40	3/8	1	1 1/2	5/8	.34
26	2.209	25B26SS	171.40	3/8	1	1 1/2	5/8	.35
28	2.369	25B28SS	186.80	3/8	1	1 1/2	5/8	.37
30	2.529	25B30SS	203.80	3/8	1	1 1/2	5/8	.39
36	3.008	25B36SS	286.20	3/8	1	1 1/2	3/4	.49
40	3.327	25B40SS	342.60	3/8	1 1/4	2	3/4	.52
45	3.725	25B45SS	384.80	1/2	1 1/4	2	3/4	.55
60	4.920	25B60SS	503.80	1/2	1 1/4	2	3/4	1.10



CHAIN TECHNICAL DATA

Size	25
Pitch	1/4"
Inside Width	1/8"
Roller Diameter	.130"

Dimensions are in inches unless otherwise indicated.

Type A					Type B Plain Bore						
No. Teeth	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8					35B8	\$14.20	3/8	7/16	3/4	3/4	.11
9					35B9	14.60	3/8	3/8	27/32	3/4	.12
10					35B10	15.60	3/8	9/16	31/32	3/4	.14
11					35B11	16.00	3/8	3/4	1 1/16	3/4	.16
12					35B12	16.80	1/2	3/4	1 7/32	3/4	.21
13					35B13	17.40	1/2	3/4	1 1/4	3/4	.25
14					35B14	18.20	1/2	3/4	1 1/4	3/4	.25
15	35A15	\$22.20	1/2	.11	35B15	18.60	1/2	1	1 3/8	3/4	.34
16	35A16	22.20	1/2	.12	35B16	19.60	1/2	1	1 15/32	3/4	.37
17	35A17	23.20	1/2	.14	35B17	19.60	1/2	1	1 5/8	3/4	.46
18	35A18	23.20	1/2	.16	35B18	20.40	1/2	1 1/16	1 3/4	3/4	.53
19	35A19	23.60	1/2	.17	35B19	21.00	1/2	1 3/16	1 7/8	3/4	.60
20	35A20	24.40	1/2	.19	35B20	23.20	1/2	1 3/16	1 15/16	3/4	.68
21	35A21	24.40	1/2	.21	35B21	24.80	1/2	1 1/4	2 1/8	3/4	.74
22	35A22	24.80	1/2	.24	35B22	27.60	1/2	1 1/4	2 1/8	3/4	.78
23	35A23	24.80	1/2	.26	35B23	29.80	1/2	1 1/4	2 1/8	3/4	.81
24	35A24	25.80	1/2	.28	35B24	31.60	1/2	1 1/4	2 1/8	7/8	.90
25	35A25	25.80	1/2	.31	35B25	33.80	1/2	1 1/4	2 1/8	7/8	.93
26	35A26	26.20	1/2	.33	35B26	35.20	1/2	1 1/2	2 1/4	1	1.30
27	35A27	27.20	1/2	.36	35B27	36.80	1/2	1 1/2	2 1/4	1	1.40
28	35A28	27.20	1/2	.38	35B28	37.80	1/2	1 1/2	2 1/4	1	1.40
30	35A30	27.60	1/2	.44	35B30	38.20	1/2	1 1/2	2 1/4	1	1.50
32	35A32	28.40	1/2	.50	35B32	39.60	1/2	1 1/2	2 1/4	1	1.60
35	35A35	29.00	1/2	.61	35B35	43.60	1/2	1 1/2	2 1/4	1	1.70
36	35A36	29.80	1/2	.64	35B36	44.40	1/2	1 1/2	2 1/4	1	1.70
40	35A40	31.20	5/8	.79	35B40	47.60	5/8	1 1/2	2 1/4	1	1.80
42	35A42	33.00	5/8	.90	35B42	49.80	5/8	1 1/2	2 1/4	1	1.90
45	35A45	33.80	5/8	1.00	35B45	52.40	5/8	1 1/2	2 1/4	1	2.00
48	35A48	35.20	5/8	1.10	35B48	55.20	5/8	1 1/2	2 1/4	1	2.10
54	35A54	38.20	5/8	1.40	35B54	64.40	5/8	1 1/2	2 1/4	1	2.40
60	35A60	41.80	3/4	1.80	35B60	75.20	3/4	1 1/2	2 1/4	1	2.80
70	35A70	47.20	3/4	2.40	35B70	87.20	3/4	1 1/2	2 1/4	1	3.40
72	35A72	47.60	3/4	2.60	35B72	89.00	3/4	1 1/2	2 1/4	1	3.60
80	35A80	52.40	3/4	3.20	35B80	99.20	3/4	1 1/2	2 1/4	1	4.20
84	35A84	55.60	3/4	3.50	35B84	103.60	3/4	1 1/2	2 1/4	1	4.50
96	35A96	71.60	3/4	4.60	35B96	120.60	3/4	1 1/2	2 1/4	1	5.60
112	35A112	89.00	3/4	6.30							

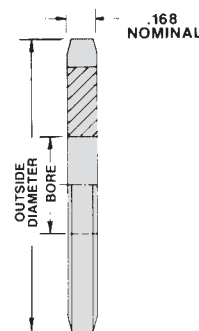
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

▲ Has recessed groove in hub for chain clearance

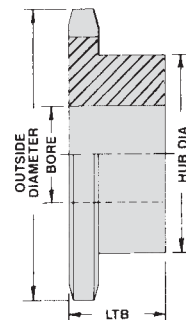
† Dimensions shown allow for standard keyway with set screw at 90°

CHAIN TECHNICAL DATA

Size	35
Pitch	3/8"
Inside Width	3/16"
Roller Diameter	.200"



TYPE A



TYPE B

No. 35 ^{3/8"} Pitch — Finished Bore

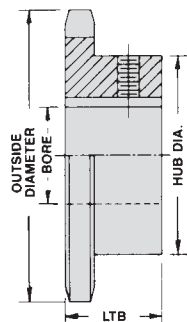
Dimensions are in inches unless otherwise indicated.

Type F Bored to Size							Sprocket Diameters ^{3/8"} Pitch		
No. Teeth	Catalog Number	List Price	Available Bores (Includes Standard KW & 2SS)				Outside Diameter	Pitch Diameter	Caliper Diameter
9	35B9F	\$19.20	$\frac{3}{8}$ ■				1.255	1.096	.880
10	35B10F	19.60	$\frac{3}{8}$ ■, $\frac{1}{2}$, $\frac{5}{8}$ ●				1.379	1.214	1.014
11	35B11F	20.40	$\frac{3}{8}$ ■, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ ●				1.502	1.331	1.118
12	35B12F	21.00		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$			1.625	1.449	1.249
13	35B13F	21.80		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$			1.746	1.567	1.356
14	35B14F	21.80		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$			1.868	1.685	1.485
15	35B15F	22.20		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1 ●			1.989	1.804	1.594
16	35B16F	23.60		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1 ●			2.110	1.922	1.722
17	35B17F	24.40		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			2.231	2.041	1.832
18	35B18F	25.80		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			2.352	2.160	1.960
19	35B19F	29.00		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			2.472	2.278	2.071
20	35B20F	32.40		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			2.593	2.397	2.197
21	35B21F	36.00		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			2.713	2.516	2.309
22	35B22F	39.20		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			2.833	2.635	2.435
23	35B23F	41.80		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			2.953	2.754	2.548
24	35B24F	44.40		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			3.073	2.873	2.673
25	35B25F	47.60		$\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1			3.194	2.992	2.786
26	35B26F	50.40		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			3.313	3.111	2.911
28	35B28F	54.80		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			3.553	3.349	3.149
30	35B30F	59.20		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			3.793	3.588	3.388
32	35B32F	64.20		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			4.032	3.826	3.626
35	35B35F	71.20		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			4.392	4.183	3.979
36	35B36F	72.80		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			4.511	4.303	4.103
40	35B40F	74.40		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			4.990	4.780	4.580
42	35B42F	76.80		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			5.229	5.018	4.818
45	35B45F	79.20		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			5.588	5.376	5.173
48	35B48F	82.80		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			5.946	5.734	5.534
54	35B54F	93.20		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			6.664	6.449	6.249
60	35B60F	105.40		$\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$			7.380	7.165	6.965

Hub diameter may vary to suit bore sizes

● Indicates set screw at 90° and 180° from keyway

■ Furnished without keyway



TYPE B

CHAIN TECHNICAL DATA

Size	35
Pitch	$\frac{3}{8}$ "
Inside Width	$\frac{3}{16}$ "
Roller Diameter	.200"

No. 35 ^{3/8"} Pitch — Stainless Steel

Dimensions are in inches unless otherwise indicated.

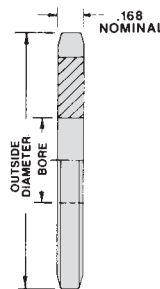
Single — Type B — Stainless Steel								
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	1.260	35B9SS	\$93.80	3/8	3/8	27/32 ▲	3/4	.10
10	1.380	35B10SS	98.00	3/8	9/16	31/32 ▲	3/4	.15
11	1.500	35B11SS	102.40	3/8	9/16	1 1/16 ▲	3/4	.20
12	1.630	35B12SS	106.80	1/2	5/8	1 7/32 ▲	3/4	.22
13	1.750	35B13SS	110.80	1/2	3/4	1 1/4 ▲	3/4	.25
14	1.870	35B14SS	115.20	1/2	7/8	1 1/4	3/4	.26
15	1.990	35B15SS	119.20	1/2	7/8	1 11/32	3/4	.30
16	2.110	35B16SS	123.80	1/2	15/16	1 15/32	3/4	.40
17	2.230	35B17SS	125.60	1/2	1 1/16	1 19/32	3/4	.43
18	2.350	35B18SS	127.60	1/2	1 3/16	1 23/32	3/4	.50
19	2.470	35B19SS	134.00	1/2	1 1/4	1 27/32	3/4	.56
20	2.590	35B20SS	146.00	1/2	1 5/16	1 15/16	3/4	.68
21	2.710	35B21SS	159.00	1/2	1 3/8	2	7/8	.80
22	2.833	35B22SS	171.40	1/2	1 3/8	2	7/8	.82
23	2.950	35B23SS	189.20	1/2	1 3/8	2	7/8	.87
24	3.070	35B24SS	206.80	1/2	1 3/8	2	7/8	.89
25	3.190	35B25SS	225.20	1/2	1 3/8	2	7/8	.91
26	3.310	35B26SS	243.60	1/2	1 3/8	2	7/8	.93
28	3.550	35B28SS	287.00	1/2	1 1/2	2 1/4	1	1.00
30	3.790	35B30SS	314.60	1/2	1 1/2	2 1/4	1	1.06
32	4.032	35B32SS	339.20	1/2	1 1/2	2 1/4	1	1.13
35	4.390	35B35SS	363.60	1/2	1 1/2	2 1/4	1	1.56
40	4.990	35B40SS	398.60	1/2	1 1/2	2 1/4	1	1.70
45	5.590	35B45SS	447.60	1/2	1 1/2	2 1/4	1	2.18
60	7.380	35B60SS	629.20	1/2	1 1/2	2 1/4	1	3.00

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

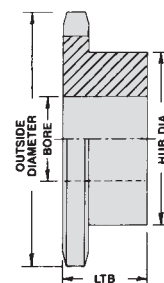
▲ Has recessed groove in hub for chain clearance

CHAIN TECHNICAL DATA

Size	35SS
Pitch	3/8"
Inside Width	3/16"
Roller Diameter	.200"



TYPE A



TYPE B

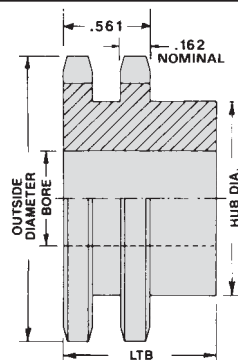
No. 35 ^{3/8"} Pitch — Multiple Strand

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			35-2 Double Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
13	1.746	1/2	D35B13	\$44.40	1 1/8	1 1/4	3/4	.35
14	1.868	1/2	D35B14	45.00	1 1/4	1 1/4	13/16	.42
15	1.989	1/2	D35B15	45.80	1 11/32	1 1/4	7/8	.53
16	2.110	1/2	D35B16	46.20	1 15/32	1 1/4	15/16	.63
17	2.231	1/2	D35B17	49.80	1 19/32	1 1/4	1 1/16	.74
18	2.352	1/2	D35B18	52.40	1 23/32	1 1/4	1 1/8	.86
19	2.472	1/2	D35B19	55.20	1 27/32	1 1/4	1 1/4	.98
20	2.593	1/2	D35B20	58.80	1 31/32	1 3/8	1 5/16	1.21
21	2.713	1/2	D35B21	61.00	2 1/16	1 3/8	1 3/8	1.37
22	2.833	1/2	D35B22	63.60	2 3/16	1 3/8	1 7/16	1.54
23	2.954	1/2	D35B23	65.80	2 5/16	1 3/8	1 1/2	1.70
24	3.074	1/2	D35B24	68.00	2 7/16	1 3/8	1 5/8	1.90
25	3.194	1/2	D35B25	70.40	2 9/16	1 3/8	1 11/16	2.07
26	3.314	1/2	D35B26	72.40	2 11/16	1 3/8	1 3/4	2.26
30	3.793	1/2	D35B30	73.80	3 5/32	1 3/8	2	3.15
36	4.511	1 1/16	D35B36	88.60	2 1/2	1 3/8	1 3/4	3.30
42	5.229	1 1/16	D35B42	103.20	2 1/2	1 3/8	1 3/4	4.30
48	5.946	1 1/16	D35B48	108.60	2 1/2	1 3/8	1 3/4	5.40
52	6.425	1 1/16	D35B52	123.20	2 1/2	1 3/8	1 3/4	6.20
60	7.380	1 1/16	D35B60	139.40	2 1/2	1 3/8	1 3/4	8.00

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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



TYPE B

CHAIN TECHNICAL DATA

Size	35-2
Pitch	3/8"
Inside Width	3/16"
Roller Diameter	.200"

Dimensions are in inches unless otherwise indicated.

Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
18	2.352	35BTL18	\$51.00	1008	1	1 7/8 ▲	7/8	.40
19	2.472	35BTL19	52.20	1008	1	1 13/16	7/8	.50
20	2.593	35BTL20	54.40	1008	1	1 9/16	7/8	.60
21	2.713	35BTL21	55.80	1008	1	2 1/16	7/8	.70
22	2.883	35BTL22	57.60	1210	1 1/4	2 3/8 ▲	1	.80

▲Has recessed groove in hub for chain clearance

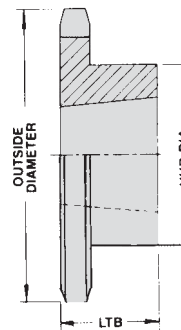
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings			
Bushing	List Price	Bore Range	Wt. Lbs.
1008	\$11.60	1/2 — 1	.20
1210	12.80	1/2 — 1 1/4	.55

TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	35
Pitch	3/8"
Inside Width	3/16"
Roller Diameter	.200"



TYPE B

No. 35 ^{3/8"} Pitch — QD®

Dimensions are in inches unless otherwise indicated.

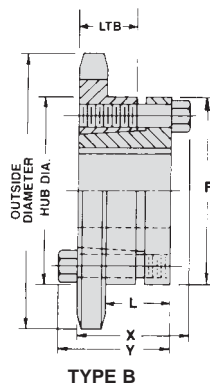
35 QD® 3/8" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Type	Dia.	LTB	X	Y	L	F	Wt. Lbs.
19	2.472	35JA19	\$37.40	JA	1¼	B	2 ¹ / ₁₆	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.30
20	2.593	35JA20	39.20	JA	1¼	B	2 ¹ / ₁₆	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.30
21	2.713	35JA21	41.00	JA	1¼	B	2 ¹ / ₁₆	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.30
24	3.074	35JA24	53.40	JA	1¼	B	2 ¹ / ₄	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.50
25	3.194	35JA25	56.00	JA	1¼	B	2 ¹ / ₄	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.50
26	3.314	35JA26	58.20	JA	1¼	B	2 ¹ / ₄	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.50
27	3.434	35JA27	59.60	JA	1¼	B	2 ¹ / ₄	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.60
28	3.553	35JA28	61.00	JA	1¼	B	2 ¹ / ₄	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.60
30	3.793	35JA30	61.80	JA	1¼	B	2 ¹ / ₄	⁹ / ₁₆	1	1	⁴⁵ / ₆₄	2	.70
40	4.990	35SH40	68.00	SH	1 ¹¹ / ₁₆	B	3	⁹ / ₁₆	1 ³ / ₈	1 ³ / ₈	1 ¹ / ₆₄	2 ¹¹ / ₁₆	1.40
48	5.946	35SH48	76.60	SH	1 ¹¹ / ₁₆	B	3	¹³ / ₁₆	1 ³ / ₈	1 ³ / ₈	1 ¹ / ₆₄	2 ¹¹ / ₁₆	1.70

Dimensions are in inches unless otherwise indicated.

QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
JA	\$10.90	½ — 1	1 ¹ / ₁₆ — 1 ³ / ₁₆	1¼	.80
SH	14.90	½ — 1 ³ / ₈	1 ⁷ / ₁₆ — 1 ⁵ / ₈	1 ¹¹ / ₁₆	.70

Refer to page 72 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.



CHAIN TECHNICAL DATA

Size	35
Pitch	³ / ₈ "
Inside Width	³ / ₁₆ "
Roller Diameter	.200"

No. 40 ¹/₂" Pitch — Plain Bore

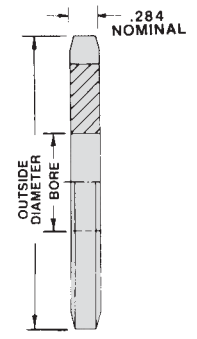
Dimensions are in inches unless otherwise indicated.

Type A					Type B Plain Bore						
No. Teeth	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8					40B8	\$17.40	1/2	1/2	3 ¹ / ₃₂ ▲	7/8	.12
9					40B9	18.20	1/2	5/8	1 ¹ / ₈ ▲	7/8	.22
10					40B10	18.60	1/2	3/4	1 ¹ / ₄ ▲	7/8	.25
11					40B11	20.40	1/2	7/8	1 ²⁹ / ₆₄ ▲	7/8	.38
12	40A12	\$24.40	1/2	.26	40B12	21.80	1/2	1	1 ⁹ / ₁₆ ▲	7/8	.44
13	40A13	24.80	1/2	.30	40B13	22.20	1/2	1	1 ⁹ / ₁₆	7/8	.50
14	40A14	25.80	1/2	.34	40B14	22.20	1/2	1	1 ¹¹ / ₁₆	7/8	.57
15	40A15	26.20	5/8	.38	40B15	22.20	1/2	1 ¹ / ₄	1 ¹³ / ₁₆	7/8	.69
16	40A16	26.20	5/8	.41	40B16	23.20	5/8	1 ¹ / ₄	2	7/8	.81
17	40A17	27.20	5/8	.44	40B17	27.20	5/8	1 ⁵ / ₁₆	2 ¹ / ₈	7/8	.94
18	40A18	27.20	5/8	.46	40B18	29.00	5/8	1 ¹ / ₂	2 ⁵ / ₁₆	7/8	1.12
19	40A19	27.60	5/8	.52	40B19	33.00	5/8	1 ³ / ₄	2 ¹ / ₂	7/8	1.30
20	40A20	28.40	5/8	.58	40B20	37.80	5/8	1 ³ / ₄	2 ⁵ / ₈	1	1.60
21	40A21	29.00	5/8	.64	40B21	41.80	5/8	1 ³ / ₄	2 ²⁹ / ₃₂	1	1.80
22	40A22	29.80	5/8	.70	40B22	45.80	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.00
23	40A23	30.20	5/8	.77	40B23	50.40	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.10
24	40A24	31.20	5/8	.84	40B24	53.00	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.20
25	40A25	31.60	5/8	.91	40B25	55.60	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.30
26	40A26	32.40	5/8	1.00	40B26	58.20	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.40
27	40A27	33.00	5/8	1.10	40B27	61.40	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.50
28	40A28	33.80	5/8	1.10	40B28	63.60	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.50
29	40A29	34.20	5/8	1.20	40B29	64.80	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.60
30	40A30	35.20	5/8	1.30	40B30	65.80	5/8	1 ³ / ₄	2 ¹ / ₂	1	2.70
31	40A31	35.60	3/4	1.40	40B31	66.40	3/4	1 ³ / ₄	2 ¹ / ₂	1	2.70
32	40A32	36.60	3/4	1.50	40B32	67.20	3/4	1 ³ / ₄	2 ¹ / ₂	1	2.80
33	40A33	37.80	3/4	1.60	40B33	69.00	3/4	1 ³ / ₄	2 ¹ / ₂	1	2.90
34	40A34	38.20	3/4	1.70	40B34	69.80	3/4	1 ³ / ₄	2 ¹ / ₂	1	3.00
35	40A35	38.20	3/4	1.80	40B35	70.40	3/4	1 ³ / ₄	2 ¹ / ₂	1	3.10
36	40A36	39.20	3/4	1.90	40B36	71.60	3/4	1 ³ / ₄	2 ¹ / ₂	1	3.20
38	40A38	42.20	3/4	2.10	40B38	74.80	3/4	2	3	1 ¹ / ₈	3.80
40	40A40	43.20	3/4	2.40	40B40	78.00	3/4	2	3	1 ¹ / ₈	4.10
42	40A42	45.00	3/4	2.60	40B42	79.60	3/4	2	3	1 ¹ / ₈	4.30
44	40A44	47.20	3/4	2.90	40B44	80.40	3/4	2	3	1 ¹ / ₈	4.60
45	40A45	47.60	3/4	3.00	40B45	80.60	3/4	2	3	1 ¹ / ₈	4.70
46	40A46	48.60	3/4	3.10	40B46	82.00	3/4	2	3	1 ¹ / ₈	4.90
47	40A47	49.80	3/4	3.30	40B47	85.00	3/4	2	3	1 ¹ / ₈	5.10
48	40A48	50.40	3/4	3.40	40B48	85.80	3/4	2	3	1 ¹ / ₈	5.20
50	40A50	53.00	3/4	3.70	40B50	89.80	3/4	2	3	1 ¹ / ₈	5.40
54	40A54	56.60	3/4	4.30	40B54	91.20	3/4	2	3	1 ¹ / ₈	6.00
60	40A60	63.60	3/4	5.30	40B60	96.60	3/4	2	3	1 ¹ / ₈	7.00
70	40A70	75.60	1	7.20	40B70	113.80	1	2	3	1 ¹ / ₈	8.90
72	40A72	78.20	1	7.70	40B72	118.40	1	2	3	1 ¹ / ₈	9.50
80	40A80	96.60	1	9.50	40B80	138.40	1	2	3	1 ¹ / ₈	11.20
84	40A84	105.00	1	10.40	40B84	150.40	1	2	3	1 ¹ / ₈	12.10
96	40A96	134.00	1	13.70	40B96	200.60	1	2	3	1 ¹ / ₈	15.40
112	40A112	187.40	1	18.60	40B112	267.40	1	2	3	1 ¹ / ₈	20.30

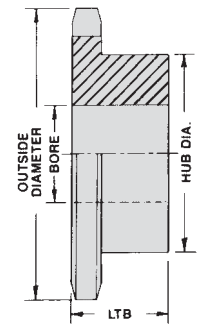
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

▲Has recessed groove in hub for chain clearance †Dimensions shown allow for standard keyway with set screw at 90°
 Note: Consult U.S. Tsubaki for availability of No. 41 Plain Bore Sprockets.

CHAIN TECHNICAL DATA	
Size	40
Pitch	1/2"
Inside Width	5/16"
Roller Diameter	.312"



TYPE A



TYPE B

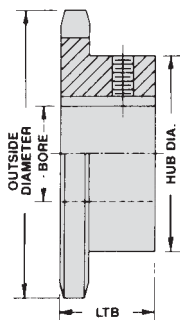
No. 40

1/2" Pitch — Finished Bore

Dimensions are in inches unless otherwise indicated.

Type F Bored to Size										Sprocket Diameters 1/2" Pitch		
No. Teeth	Catalog Number	List Price	Available Bores (Includes Standard KW & 2SS)							Outside Diameter	Pitch Diameter	Caliper Diameter
9	40B9F	\$21.40	1/2,	5/8						1.674	1.462	1.127
10	40B10F	22.20	1/2,	5/8,	3/4					1.839	1.618	1.305
11	40B11F	23.20	1/2,	5/8,	3/4,	7/8				2.003	1.775	1.444
12	40B12F	25.40	1/2,	5/8,	3/4,	7/8,	1			2.166	1.932	1.620
13	40B13F	26.60	1/2,	5/8,	3/4,	7/8,	1			2.328	2.089	1.761
14	40B14F	28.00	1/2,	5/8,	3/4,	7/8,	1			2.490	2.247	1.934
15	40B15F	30.20	1/2,	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16 ●, 1 1/4 ●	2.652	2.405	2.079
16	40B16F	32.00		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4	2.814	2.563	2.250
17	40B17F	33.80		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4	2.974	2.721	2.397
18	40B18F	35.60		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	2.567
19	40B19F	39.60		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	2.715
20	40B20F	45.40		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	2.883
21	40B21F	49.40		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	3.033
22	40B22F	54.20		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	3.201
23	40B23F	60.00		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	3.351
24	40B24F	64.40		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	3.518
25	40B25F	70.00		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	3.669
26	40B26F	74.40		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	3.835
27	40B27F	78.00		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	3.987
28	40B28F	85.00		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	4.153
30	40B30F	93.00		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	4.471
32	40B32F	94.40		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	4.788
34	40B34F	98.00		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	5.696	5.419	5.107
35	40B35F	99.20		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	5.260
36	40B36F	100.60		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	5.425
38	40B38F	104.00		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	6.334	6.055	5.742
40	40B40F	107.20		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	6.653	6.373	6.061
42	40B42F	109.20		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	6.972	6.691	6.379
45	40B45F	111.20		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	7.450	7.168	6.851
48	40B48F	114.80		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	7.928	7.645	7.332
49	40B49F	116.00		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	8.088	7.804	7.487
50	40B50F	117.20		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	8.248	7.963	7.650
54	40B54F	122.00		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	8.884	8.599	8.286
60	40B60F	129.00		5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16, 1 1/4, 1 7/16, 1 1/2	9.840	9.554	9.241

● Indicates set screw at 90° and 180° from keyway
 Note: Consult U.S. Tsubaki for availability of No. 41 Finished Bore Sprockets.



TYPE B

CHAIN TECHNICAL DATA

Size	40
Pitch	1/2"
Inside Width	5/16"
Roller Diameter	.312"

No. 40 ¹/₂" Pitch — Stainless Steel

Dimensions are in inches unless otherwise indicated.

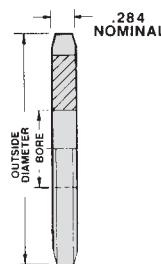
Single — Type B — Stainless Steel									Single — Type A			
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Wt. Lbs.
10	1.840	40B10SS	\$119.20	1/2	3/4	1 1/4 ▲	7/8	.28				
11	2.000	40B11SS	127.60	1/2	13/16	1 3/8 ▲	7/8	.36				
12	2.170	40B12SS	136.20	1/2	15/16	1 9/16 ▲	7/8	.44				
13	2.330	40B13SS	140.60	1/2	1 1/16	1 9/16	7/8	.50				
14	2.490	40B14SS	146.00	1/2	1 1/8	1 11/16	7/8	.60				
15	2.650	40B15SS	152.20	1/2	1 1/4	1 13/16	7/8	.68				
16	2.810	40B16SS	158.40	5/8	1 3/8	2	7/8	.82				
17	2.980	40B17SS	170.40	5/8	1 7/16	2 1/8	1	1.20				
18	3.140	40B18SS	182.40	5/8	1 1/2	2 5/16	1	1.24				
19	3.300	40B19SS	208.60	5/8	1 3/4	2 1/2	1	1.42				
20	3.460	40B20SS	238.60	5/8	1 7/8	2 5/8	1	1.60				
21	3.620	40B21SS	260.40	5/8	1 7/8	2 3/4	1	1.68				
22	3.780	40B22SS	284.80	5/8	1 7/8	2 7/8	1	1.81				
23	3.940	40B23SS	304.80	5/8	2	3	1	2.18				
24	4.100	40B24SS	331.40	5/8	2	3	1	2.20	40A24SS	\$251.20	1 9/32	.80
25	4.260	40B25SS	352.80	5/8	2	3	1	2.39	40A25SS	266.80	1 9/32	.90
26	4.420	40B26SS	378.20	5/8	2	3	1	2.40	40A26SS	302.60	1 9/32	1.30
28	4.740	40B28SS	407.20	5/8	2	3	1	2.75	40A28SS	327.00	1 9/32	1.30
30	5.060	40B30SS	475.60	5/8	2	3	1	2.88	40A30SS	402.80	1 9/32	1.30
35	5.860	40B35SS	510.40	5/8	2	3	1	3.32	40A35SS	431.60	1 9/32	1.90
40	6.650	40B40SS	608.20	5/8	2	3	1	4.28	40A40SS	516.20	1 9/32	2.30
45	7.450	40B45SS	650.00	5/8	2	3	1	4.68	40A45SS	551.80	1 9/32	3.10
60	9.840	40B60SS	755.20	5/8	2	3	1	7.00	40A60SS	640.80	1 9/32	5.50

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

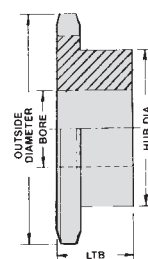
▲Has recessed groove in hub for chain clearance

CHAIN TECHNICAL DATA

Size	40SS
Pitch	1/2"
Inside Width	5/16"
Roller Diameter	.312"



TYPE A



TYPE B

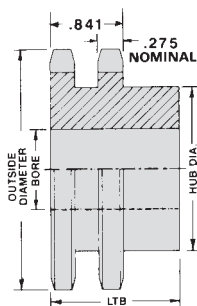
No. 40 ¹/₂" Pitch — Multiple Strand

Dimensions are in inches unless otherwise indicated.

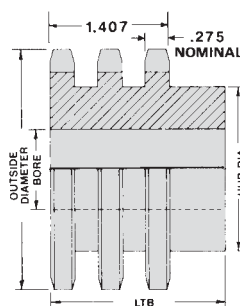
Basic Sprocket Dimensions			40-2 Double Strand						40-3 Triple Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	2.003	1/2	D40B11	\$68.60	1 ⁷ / ₁₆ ▲	1 1/2	3/4	.60	T40B11	\$103.20	1 ⁷ / ₁₆ ▲	2 1/8	3/4	.80
12	2.166	1/2	D40B12	69.00	1 ⁹ / ₁₆ ▲	1 1/2	7/8	.70	T40B12	104.60	1 ⁹ / ₁₆ ▲	2 1/8	7/8	1.10
13	2.328	1/2	D40B13	69.80	1 1/2	1 1/2	1	.80	T40B13	105.00	1 1/2	2 1/8	1	1.20
14	2.490	1/2	D40B14	71.20	1 ²¹ / ₃₂	1 1/2	1 1/8	1.00	T40B14	105.00	1 ²¹ / ₃₂	2 1/8	1 1/8	1.50
15	2.650	1/2	D40B15	71.20	1 ¹³ / ₁₆	1 1/2	1 1/4	1.20	T40B15	105.80	1 ¹³ / ₁₆	2 1/8	1 1/4	1.70
16	2.814	5/8	D40B16	71.60	1 ³¹ / ₃₂	1 1/2	1 3/8	1.40	T40B16	108.60	1 ³¹ / ₃₂	2 1/8	1 3/8	2.00
17	2.974	5/8	D40B17	73.80	2 ⁵ / ₃₂	1 1/2	1 ⁷ / ₁₆	1.60	T40B17	113.80	2 ⁵ / ₃₂	2 1/8	1 ⁷ / ₁₆	2.40
18	3.136	5/8	D40B18	78.00	2 ⁵ / ₁₆	1 1/2	1 1/2	1.90	T40B18	120.60	2 ⁵ / ₁₆	2 1/8	1 1/2	2.70
19	3.292	5/8	D40B19	81.80	2 ¹⁵ / ₃₂	1 1/2	1 5/8	2.10	T40B19	126.40	2 ¹⁵ / ₃₂	2 1/8	1 5/8	3.10
20	3.457	5/8	D40B20	87.20	2 ⁵ / ₈	1 5/8	1 ³ / ₄	2.60	T40B20	134.00	2 ⁵ / ₈	2 1/4	1 ³ / ₄	3.70
21	3.618	5/8	D40B21	91.20	2 ²⁵ / ₃₂	1 5/8	1 ⁷ / ₈	2.90	T40B21	142.00	2 ²⁵ / ₃₂	2 1/4	1 ⁷ / ₈	4.10
22	3.778	5/8	D40B22	94.80	2 ¹⁵ / ₁₆	1 5/8	1 7/8	3.30	T40B22	149.00	2 ¹⁵ / ₁₆	2 1/4	1 7/8	4.60
23	3.938	5/8	D40B23	101.00	3 ³ / ₃₂	1 5/8	2	3.60	T40B23	156.60	3 ³ / ₃₂	2 1/4	2	5.10
24	4.098	5/8	D40B24	106.40	3 ⁹ / ₃₂	1 5/8	2 1/4	4.00	T40B24	164.60	3 ⁹ / ₃₂	2 1/4	2 1/4	5.60
25	4.258	5/8	D40B25	109.00	3 ⁷ / ₁₆	1 5/8	2 1/4	4.40	T40B25	168.60	3 ⁷ / ₁₆	2 1/4	2 1/4	6.20
26	4.418	5/8	D40B26	109.00	3 ¹⁹ / ₃₂	1 5/8	2 ³ / ₈	4.80	T40B26	168.60	3 ¹⁹ / ₃₂	2 1/4	2 ³ / ₈	6.80
30	5.057	1 1/16	D40B30	111.20	3 1/4	1 5/8	2 1/4	5.60	T40B30	174.00	3 1/4	2 1/4	2 1/4	8.00
35	5.856	1 1/16	D40B35	129.00	3 1/4	1 5/8	2 1/4	7.10	T40B35	191.80	3 1/4	2 1/4	2 1/4	10.50
36	6.015	1 ⁵ / ₁₆	D40B36	134.40	3 ³ / ₄	1 ³ / ₄	2 1/2	9.40	T40B36	210.40	3 ³ / ₄	2 ³ / ₈	2 1/2	12.20
40	6.653	1 ⁵ / ₁₆	D40B40	153.20	3 ³ / ₄	1 ³ / ₄	2 1/2	10.80						
45	7.450	1 ⁵ / ₁₆	D40B45	190.00	3 ³ / ₄	1 ³ / ₄	2 1/2	12.90						
48	7.928	1 ⁵ / ₁₆	D40B48	198.00	3 ³ / ₄	1 ³ / ₄	2 1/2	14.20						
54	8.884	1 ⁵ / ₁₆	D40B54	228.60	3 ³ / ₄	1 ³ / ₄	2 1/2	17.20						
60	9.840	1 ⁵ / ₁₆	D40B60	235.40	3 ³ / ₄	1 ³ / ₄	2 1/2	20.60						

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

▲Has recessed groove in hub for chain clearance



TYPE B



TYPE B

CHAIN TECHNICAL DATA

Size	40-2, 40-3
Pitch	1/2"
Inside Width	5/16"
Roller Diameter	.312"

No. 40 ¹/₂" Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

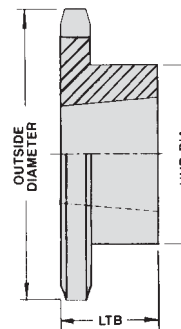
Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
14	2.491	40BTL14	\$46.60	1008	1	1 ¹³ / ₁₆ ▲	7/8	.30
15	2.652	40BTL15	47.60	1008	1	1 ¹³ / ₁₆	7/8	.40
16	2.814	40BTL16	48.40	1008	1	1 ¹⁵ / ₁₆	7/8	.50
17	2.975	40BTL17	53.00	1210	1 1/4	2 3/8 ▲	1	.50
18	3.135	40BTL18	55.20	1210	1 1/4	2 ¹⁵ / ₃₂ ▲	1	.60
19	3.296	40BTL19	58.60	1210	1 1/4	2 ¹⁵ / ₃₂	1	.70
20	3.457	40BTL20	63.80	1610	1 5/8	2 ²⁵ / ₃₂ ▲	1	.70
21	3.617	40BTL21	68.40	1610	1 5/8	2 ²⁵ / ₃₂	1	.80
22	3.778	40BTL22	74.00	1610	1 5/8	2 ²⁵ / ₃₂	1	.90
23	3.938	40BTL23	77.40	1610	1 5/8	3	1	1.00
24	4.098	40BTL24	80.80	1610	1 5/8	3 1/4	1	1.40
25	4.258	40BTL25	83.40	1610	1 5/8	3 1/4	1	1.50
26	4.418	40BTL26	86.40	1610	1 5/8	3 1/4	1	1.70
28	4.738	40BTL28	89.80	1610	1 5/8	3	1	1.80
30	5.057	40BTL30	94.20	1610	1 5/8	3	1	1.90
32	5.377	40BTL32	96.80	1610	1 5/8	3	1	1.90
35	5.855	40BTL35	99.60	1610	1 5/8	3	1	2.30
36	6.015	40BTL36	101.00	1610	1 5/8	3	1	2.40
40	6.653	40BTL40	108.60	1610	1 5/8	3	1	2.80
42	6.972	40BTL42	110.00	1610	1 5/8	3	1	2.90
45	7.451	40BTL45	111.80	1610	1 5/8	3	1	3.50
48	7.928	40BTL48	116.40	1610	1 5/8	3	1	4.00
54	8.885	40BTL54	122.40	1610	1 5/8	3	1	4.90
60	9.841	40BTL60	128.00	1610	1 5/8	3	1	6.00
70	11.434	40BTL70	144.60	2012	2	3 5/8	1 1/4	8.20
72	11.752	40BTL72	149.40	2012	2	3 5/8	1 1/4	9.00
80	13.026	40BTL80	171.60	2012	2	3 5/8	1 1/4	10.80
84	13.663	40BTL84	188.20	2012	2	3 5/8	1 1/4	11.30
96	15.573	40BTL96	242.20	2012	2	3 5/8	1 1/4	14.60
112	18.122	40BTL112	278.20	2517	2 1/2	4 1/4	1 3/4	20.50

▲Has recessed groove in hub for chain clearance
 Note: Consult U.S. Tsubaki for availability of No. 41 TAPER-LOCK Sprockets.

TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	40
Pitch	1/2"
Inside Width	5/16"
Roller Diameter	.312"



TYPE B

No. 40 ¹/₂" Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

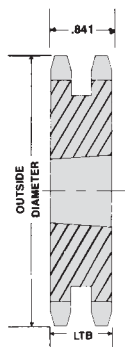
Double TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
15	2.652	D40ATL15	\$101.80	1008	1	1 ¹⁷ / ₆₄	⁷ / ₈	.50
16	2.814	D40ATL16	101.80	1008	1	1 ¹⁷ / ₆₄	⁷ / ₈	.60
17	2.975	D40ATL17	104.40	1008	1	1 ¹⁷ / ₆₄	⁷ / ₈	.80
18	3.135	D40BTL18	106.60	1210	1 ¹ / ₄	2 ⁵ / ₁₆	1	.70
19	3.296	D40BTL19	110.00	1210	1 ¹ / ₄	2 ¹ / ₂	1	.90
20	3.457	D40BTL20	114.60	1610	1 ⁵ / ₈	2 ⁵ / ₈	1	.70
21	3.617	D40BTL21	117.60	1610	1 ⁵ / ₈	2 ³ / ₄	1	.90
23	3.938	D40BTL23	139.00	1610	1 ⁵ / ₈	3	1	1.30
25	4.258	D40BTL25	141.20	2012	2	3 ¹³ / ₃₂	1 ¹ / ₄	1.70
30	5.057	D40BTL30	147.60	2012	2	4 ¹⁵ / ₆₄	1 ¹ / ₄	3.40
36	6.015	D40BTL36	185.20	2012	2	5 ⁵ / ₃₂	1 ¹ / ₄	6.00
42	6.972	D40CTL42	199.40	2517	2 ¹ / ₂	4 ¹ / ₄	1 ³ / ₄	7.00
48	7.928	D40CTL48	234.00	2517	2 ¹ / ₂	4 ¹ / ₄	1 ³ / ₄	9.60

Dimensions are in inches unless otherwise indicated.

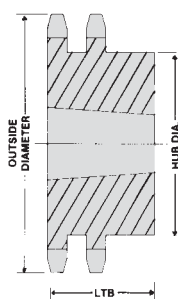
TAPER-LOCK® Bushings			
Bushing	List Price	Bore Range	Wt. Lbs.
1008	\$11.60	¹ / ₂ — 1	.20
1210	12.80	¹ / ₂ — 1 ¹ / ₄	.50
1610	14.80	¹ / ₂ — 1 ⁵ / ₈	.70
2012	20.00	¹ / ₂ — 2	1.40
2517	24.60	¹ / ₂ — 2 ¹ / ₂	3.20

Refer to page 69 for bushing specifications

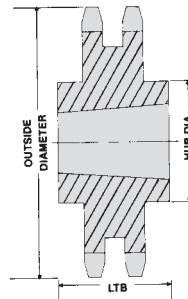
TAPER-LOCK® is a registered trademark of Rockwell Automation.



TYPE A



TYPE B



TYPE C

CHAIN TECHNICAL DATA

Size	40
Pitch	¹ / ₂ "
Inside Width	⁵ / ₁₆ "
Roller Diameter	.312"

No. 40 ¹/₂" Pitch — QD®

Dimensions are in inches unless otherwise indicated.

40 QD® 1/2" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
15	2.652	40JA15	\$37.80	JA	1 1/4	B	2 1/16	9/16	1	1	19/32	2	.30
16	2.814	40JA16	39.60	JA	1 1/4	B	2 1/16	9/16	1	1	19/32	2	.40
17	2.974	40JA17	43.20	JA	1 1/4	B	2 3/16	9/16	1	1	19/32	2	.50
18	3.136	40JA18	46.20	JA	1 1/4	B	2 1/4	9/16	1	1	19/32	2	.50
19	3.292	40JA19	49.40	JA	1 1/4	B	2 1/4	9/16	1	1	19/32	2	.60
20	3.457	40SH20	53.40	SH	1 11/16	B	2 3/4	13/16	1 3/8	1 3/8	29/32	2 11/16	.60
21	3.618	40SH21	57.80	SH	1 11/16	B	2 3/4	13/16	1 3/8	1 3/8	29/32	2 11/16	.80
22	3.778	40SH22	65.00	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.10
23	3.938	40SH23	69.40	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.10
24	4.098	40SH24	73.00	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.20
25	4.258	40SH25	77.40	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.30
26	4.418	40SH26	81.00	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.40
27	4.578	40SH27	82.80	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.50
28	4.738	40SH28	85.40	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.60
30	5.057	40SH30	88.20	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.70
32	5.376	40SH32	97.40	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	1.90
35	5.856	40SH35	100.60	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	29/32	2 11/16	2.20
36	6.015	40SDS36	101.00	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	3 1/32	3 3/16	2.30
40	6.653	40SDS40	111.20	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	3 1/32	3 3/16	2.80
42	6.972	40SDS42	113.40	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	3 1/32	3 3/16	3.00
45	7.450	40SDS45	115.60	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	3 1/32	3 3/16	3.40
48	7.928	40SDS48	120.60	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	3 1/32	3 3/16	3.90
54	8.884	40SDS54	126.80	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	3 1/32	3 3/16	4.70
60	9.840	40SDS60	132.60	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	3 1/32	3 3/16	5.80
70	11.433	40SK70	134.80	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 17/32	3 7/8	9.00
72	11.752	40SK72	135.80	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 17/32	3 7/8	9.10
80	13.026	40SK80	150.80	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 17/32	3 7/8	11.10
84	13.663	40SK84	162.00	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 17/32	3 7/8	11.60
96	15.573	40SK96	248.80	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 17/32	3 7/8	15.30
112	18.121	40SK112	288.00	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 17/32	3 7/8	19.50

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.

Dimensions are in inches unless otherwise indicated.

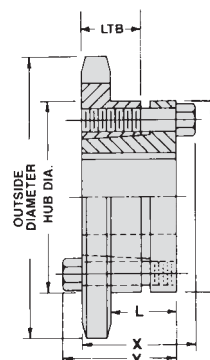
Note: Consult U.S. Tsubaki for availability of No. 41 QD Sprockets.

QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
JA	\$10.90	1/2 — 1	1/16 — 13/16	1 1/4	.80
SH	14.90	1/2 — 1 3/8	7/16 — 1 5/8	1 11/16	.70
SDS	17.30	1/2 — 1 11/16	3/4 — 1 15/16	2	1.00
SK	26.80	1/2 — 2 1/8	2 3/16 — 2 1/2	2 9/16 — 2 5/8	2.10

Refer to page 72 for bushing specifications

CHAIN TECHNICAL DATA

Size	40
Pitch	1/2"
Inside Width	5/16"
Roller Diameter	.312"



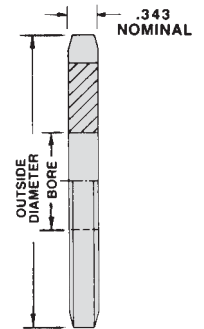
TYPE B

No. 50 ^{5/8"} Pitch — Plain Bore

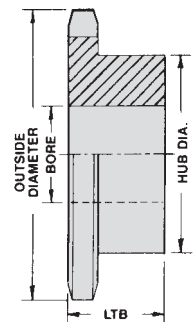
Dimensions are in inches unless otherwise indicated.

Type A					Type B Plain Bore							
No. Teeth	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	
8					50B8	\$24.40	5/8	3/4	1 1/8	▲	1	.25
9					50B9	24.80	5/8	3/4	1 3/8	▲	1	.43
10					50B10	27.20	5/8	1	1 9/16	▲	1	.49
11					50B11	29.00	5/8	1	1 13/16	▲	1	.64
12	50A12	\$29.00	5/8	.33	50B12	30.20	5/8	1 1/4	2	▲	1	.81
13	50A13	29.00	5/8	.42	50B13	31.60	5/8	1 1/4	2	▲	1	.92
14	50A14	29.00	5/8	.48	50B14	33.00	5/8	1 1/4	2 1/8	▲	1	1.00
15	50A15	29.80	5/8	.54	50B15	34.20	5/8	1 1/2	2 3/8	▲	1	1.20
16	50A16	30.20	5/8	.67	50B16	36.80	5/8	1 9/16	2 1/2	▲	1	1.40
17	50A17	31.20	5/8	.71	50B17	39.60	5/8	1 7/8	2 11/16	▲	1	1.80
18	50A18	31.60	5/8	.82	50B18	43.20	5/8	1 7/8	2 7/8	▲	1 1/8	2.20
19	50A19	32.40	5/8	.94	50B19	45.80	5/8	2	3	▲	1 1/8	2.50
20	50A20	33.00	5/8	1.00	50B20	51.20	5/8	2	3	▲	1 1/8	2.70
21	50A21	33.80	3/4	1.10	50B21	55.60	3/4	2	3	▲	1 1/4	2.90
22	50A22	35.20	3/4	1.30	50B22	59.60	3/4	2	3	▲	1 1/4	3.00
23	50A23	36.60	3/4	1.40	50B23	63.60	3/4	2	3	▲	1 1/4	3.10
24	50A24	36.80	3/4	1.50	50B24	67.20	3/4	2	3	▲	1 1/4	3.20
25	50A25	37.80	3/4	1.60	50B25	72.60	3/4	2	3	▲	1 1/4	3.30
26	50A26	39.60	3/4	1.80	50B26	75.20	3/4	2	3	▲	1 1/4	3.40
27	50A27	41.00	3/4	1.90	50B27	78.00	3/4	2	3	▲	1 1/4	3.60
28	50A28	41.80	3/4	2.10	50B28	78.20	3/4	2	3	▲	1 1/4	3.80
29	50A29	43.20	3/4	2.20	50B29	79.60	3/4	2	3	▲	1 1/4	3.90
30	50A30	43.60	3/4	2.30	50B30	80.60	3/4	2	3	▲	1 1/4	4.00
31	50A31	45.80	3/4	2.40	50B31	83.20	3/4	2 1/8	3 1/4	▲	1 3/8	4.90
32	50A32	46.20	3/4	2.60	50B32	83.60	3/4	2 1/8	3 1/4	▲	1 3/8	5.10
33	50A33	49.00	3/4	3.00	50B33	87.20	3/4	2 1/8	3 1/4	▲	1 3/8	5.20
34	50A34	49.80	3/4	3.20	50B34	87.60	3/4	2 1/8	3 1/4	▲	1 3/8	5.30
35	50A35	50.40	3/4	3.30	50B35	88.60	3/4	2 1/8	3 1/4	▲	1 3/8	5.40
36	50A36	51.60	3/4	3.50	50B36	89.80	3/4	2 1/8	3 1/4	▲	1 3/8	5.70
37	50A37	53.00	3/4	3.90	50B37	93.40	3/4	2 1/8	3 1/4	▲	1 3/8	6.00
38	50A38	54.20	3/4	3.90	50B38	95.60	3/4	2 1/8	3 1/4	▲	1 3/8	6.30
39	50A39	55.20	3/4	4.00	50B39	96.60	3/4	2 1/8	3 1/4	▲	1 3/8	6.40
40	50A40	55.60	3/4	4.30	50B40	97.00	3/4	2 1/8	3 1/4	▲	1 3/8	6.60
42	50A42	57.80	3/4	4.70	50B42	99.60	3/4	2 1/8	3 1/4	▲	1 3/8	7.10
43	50A43	59.60	3/4	4.90	50B43	101.60	3/4	2 1/8	3 1/4	▲	1 3/8	7.40
44	50A44	61.80	3/4	5.10	50B44	103.20	3/4	2 1/8	3 1/4	▲	1 3/8	7.70
45	50A45	62.40	3/4	5.30	50B45	103.60	3/4	2 1/8	3 1/4	▲	1 3/8	7.80
48	50A48	65.80	1	6.10	50B48	109.00	1	2 1/8	3 1/4	▲	1 3/8	8.50
49	50A49	67.60	1	6.30	50B49	115.60	1	2 1/8	3 1/4	▲	1 3/8	9.00
50	50A50	70.40	1	6.70	50B50	118.00	1	2 1/8	3 1/4	▲	1 3/8	9.40
52	50A52	73.80	1	7.30	50B52	119.20	1	2 1/8	3 1/4	▲	1 3/8	10.10
54	50A54	75.20	1	8.10	50B54	120.60	1	2 1/8	3 1/4	▲	1 3/8	10.80
55	50A55	80.60	1	8.20	50B55	122.80	1	2 1/8	3 1/4	▲	1 3/8	11.00
60	50A60	87.20	1	10.30	50B60	135.20	1	2 1/8	3 1/4	▲	1 3/8	12.10
70	50A70	111.80	1	13.60	50B70	183.40	1	2 1/8	3 1/4	▲	1 3/8	15.70
72	50A72	117.00	1	14.50	50B72	192.60	1	2 1/8	3 1/4	▲	1 3/8	16.40
80	50A80	143.20	1	18.40	50B80	234.00	1	2 3/4	4	▲	1 3/8	22.80
84	50A84	154.40	1	19.30								
96	50A96	200.60	1	26.00								
112	50A112	280.80	1	36.40								

CHAIN TECHNICAL DATA	
Size	50
Pitch	5/8"
Inside Width	3/8"
Roller Diameter	.400"



TYPE A



TYPE B

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

Dimensions are in inches unless otherwise indicated.

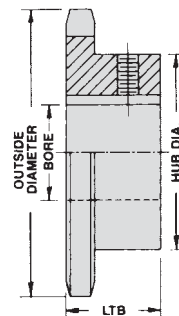
Type F Bored to Size								Sprocket Diameters 5/8" Pitch									
No. Teeth	Catalog Number	List Price	Available Bores (Includes Standard KW & 2SS)					Outside Diameter	Pitch Diameter	Caliper Diameter							
			9	50B9F	\$29.40	5/8,	3/4							2.093	1.828	1.400	
10	50B10F	31.60	5/8,	3/4,	7/8,	1•		2.299	2.023	1.623							
11	50B11F	33.00	5/8,	3/4,	7/8,	1		2.504	2.219	1.796							
12	50B12F	34.20	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4	2.708	2.415	2.015					
13	50B13F	35.60	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4	2.911	2.612	2.193					
14	50B14F	37.80	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4	3.113	2.809	2.409					
15	50B15F	39.60	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16	3.315	3.006	2.590			
16	50B16F	41.80	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	3.517	3.204	2.804		
17	50B17F	46.80	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	3.718	3.401	2.987		
18	50B18F	52.00	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	3.919	3.599	3.199		
19	50B19F	57.80	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	4.121	3.798	3.384		
20	50B20F	62.80	5/8,	3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	4.321	3.995	3.595		
21	50B21F	75.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	4.522	4.194	3.782		
22	50B22F	81.80		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	4.722	4.392	3.992		
23	50B23F	88.20		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	4.923	4.590	4.179		
24	50B24F	96.20		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	5.123	4.788	4.388		
25	50B25F	101.40		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	5.323	4.987	4.577		
26	50B26F	105.00		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	5.523	5.185	4.785		
27	50B27F	106.40		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	5.723	5.384	4.975		
28	50B28F	108.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	5.922	5.582	5.182		
29	50B29F	110.00		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	6.122	5.781	5.371		
30	50B30F	111.20		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2	6.321	5.979	5.579		
31	50B31F	113.20		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	6.521	6.178	5.770
32	50B32F	114.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	6.721	6.376	5.976
33	50B33F	116.80		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	6.921	6.575	6.168
34	50B34F	118.40		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	7.120	6.774	6.374
35	50B35F	120.20		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	7.319	6.973	6.565
36	50B36F	123.40		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	7.519	7.171	6.771
37	50B37F	125.00		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	7.718	7.370	6.963
38	50B38F	126.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	7.918	7.569	7.169
40	50B40F	130.00		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	8.316	7.966	7.566
42	50B42F	133.20		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	8.715	8.364	7.964
45	50B45F	137.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	9.313	8.960	8.554
48	50B48F	142.80		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	9.911	9.556	9.156
50	50B50F	147.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	10.309	9.954	9.554
55	50B55F	159.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	11.305	10.948	10.543
60	50B60F	173.60		3/4,	7/8,	1,	1 1/8,	1 3/16,	1 1/4,	1 3/8,	1 7/16,	1 1/2,	1 3/4,	1 15/16	12.301	11.942	11.542

Hub diameters may vary to suit bore sizes

- Indicates set screw at 90° and 180° from keyway

CHAIN TECHNICAL DATA

Size	50
Pitch	5/8"
Inside Width	3/8"
Roller Diameter	.400"



TYPE B

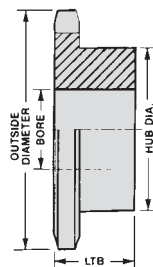
No. 50 $\frac{5}{8}$ " Pitch — Stainless Steel

Dimensions are in inches unless otherwise indicated.

Single — Type B — Stainless Steel								
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
10	2.300	50B10SS	\$170.40	$\frac{5}{8}$	$\frac{7}{8}$	$1\frac{9}{16}$ ▲	1	.50
11	2.500	50B11SS	183.40	$\frac{5}{8}$	1	$1\frac{3}{4}$ ▲	1	.60
12	2.710	50B12SS	191.80	$\frac{5}{8}$	$1\frac{1}{4}$	$1\frac{63}{64}$ ▲	1	.70
13	2.910	50B13SS	200.60	$\frac{5}{8}$	$1\frac{5}{16}$	$1\frac{7}{8}$	1	.80
14	3.110	50B14SS	208.60	$\frac{5}{8}$	$1\frac{7}{16}$	$2\frac{1}{8}$	1	1.00
15	3.320	50B15SS	217.20	$\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{3}{8}$	1	1.30
16	3.520	50B16SS	234.00	$\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{1}{2}$	1	1.50
17	3.720	50B17SS	251.40	$\frac{5}{8}$	$1\frac{7}{8}$	$2\frac{11}{16}$	1	1.80
18	3.920	50B18SS	273.60	$\frac{5}{8}$	$1\frac{7}{8}$	$2\frac{7}{8}$	1	2.00
19	4.120	50B19SS	291.80	$\frac{5}{8}$	$1\frac{3}{4}$	$2\frac{1}{2}$	1	2.30
20	4.320	50B20SS	334.40	$\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	1	2.50
21	4.520	50B21SS	382.60	$\frac{3}{4}$	2	3	1	2.70
22	4.720	50B22SS	440.60	$\frac{3}{4}$	2	3	1	3.30
23	4.920	50B23SS	487.20	$\frac{3}{4}$	2	3	1	3.80
24	5.120	50B24SS	531.80	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	4.10
25	5.320	50B25SS	583.80	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	4.30
26	5.520	50B26SS	611.80	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	4.60
28	5.920	50B28SS	631.80	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	5.00
30	6.320	50B30SS	675.00	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	5.20
35	7.320	50B35SS	729.80	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	6.50
40	8.320	50B40SS	802.80	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	7.80
45	9.310	50B45SS	875.60	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	8.50
60	12.300	50B60SS	1,094.20	$\frac{3}{4}$	2	3	$1\frac{1}{4}$	14.00

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

▲Has recessed groove in hub for chain clearance



TYPE B

CHAIN TECHNICAL DATA

Size	50SS
Pitch	$\frac{5}{8}$ "
Inside Width	$\frac{3}{8}$ "
Roller Diameter	.400"

No. 50 ^{5/8"} Pitch — Multiple Strand

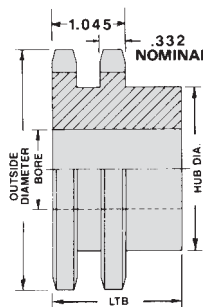
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			50-2 Double Strand						50-3 Triple Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	2.504	5/8	D50B11	\$98.00	1 ¹⁵ / ₃₂	1 ³ / ₄	1 ⁵ / ₁₆	.90	T50B11	\$130.40	1 ¹⁵ / ₃₂	2 ¹ / ₂	1 ⁵ / ₁₆	1.40
12	2.708	5/8	D50B12	98.40	1 ¹¹ / ₁₆	1 ³ / ₄	1 ¹ / ₈	1.20	T50B12	131.20	1 ¹¹ / ₁₆	2 ¹ / ₂	1 ¹ / ₈	1.80
13	2.911	5/8	D50B13	101.00	1 ⁷ / ₈	1 ³ / ₄	1 ⁵ / ₁₆	1.50	T50B13	134.00	1 ⁷ / ₈	2 ¹ / ₂	1 ⁵ / ₁₆	2.20
14	3.113	5/8	D50B14	103.20	2 ³ / ₃₂	1 ³ / ₄	1 ³ / ₈	1.90	T50B14	134.40	2 ³ / ₃₂	2 ¹ / ₂	1 ³ / ₈	2.70
15	3.315	5/8	D50B15	103.20	2 ⁹ / ₃₂	1 ³ / ₄	1 ¹ / ₂	2.30	T50B15	135.20	2 ⁹ / ₃₂	2 ¹ / ₂	1 ¹ / ₂	3.30
16	3.517	5/8	D50B16	105.80	2 ¹ / ₂	1 ³ / ₄	1 ⁵ / ₈	2.70	T50B16	143.80	2 ¹ / ₂	2 ¹ / ₂	1 ⁵ / ₈	3.80
17	3.718	5/8	D50B17	108.60	2 ¹¹ / ₁₆	1 ³ / ₄	1 ⁷ / ₈	3.10	T50B17	147.80	2 ¹¹ / ₁₆	2 ¹ / ₂	1 ⁷ / ₈	4.50
18	3.919	5/8	D50B18	111.20	2 ⁷ / ₈	1 ³ / ₄	1 ¹⁵ / ₁₆	3.60	T50B18	154.00	2 ⁷ / ₈	2 ¹ / ₂	1 ¹⁵ / ₁₆	5.70
19	4.121	5/8	D50B19	113.00	3 ³ / ₃₂	1 ³ / ₄	2 ¹ / ₈	4.10	T50B19	158.40	3 ³ / ₃₂	2 ¹ / ₂	2 ¹ / ₈	5.90
20	4.321	5/8	D50B20	117.40	3 ⁹ / ₃₂	1 ³ / ₄	2 ¹ / ₄	4.60	T50B20	165.60	3 ⁹ / ₃₂	2 ⁵ / ₈	2 ¹ / ₄	6.90
21	4.522	3/4	D50B21	123.20	3 ¹ / ₂	1 ³ / ₄	2 ³ / ₈	5.10	T50B21	172.60	3 ¹ / ₂	2 ⁵ / ₈	2 ³ / ₈	7.60
22	4.722	3/4	D50B22	123.20	3 ⁹ / ₁₆	1 ⁷ / ₈	2 ³ / ₈	5.90	T50B22	173.60	3 ⁹ / ₁₆	2 ⁵ / ₈	2 ³ / ₈	8.30
23	4.923	3/4	D50B23	128.60	3 ³ / ₄	1 ⁷ / ₈	2 ¹ / ₂	6.50	T50B23	176.60	3 ³ / ₄	2 ⁵ / ₈	2 ¹ / ₂	9.20
24	5.123	3/4	D50B24	135.20	3 ³ / ₄	1 ⁷ / ₈	2 ¹ / ₂	6.90	T50B24	184.60	3 ³ / ₄	2 ⁵ / ₈	2 ¹ / ₂	9.90
25	5.323	1	D50B25	138.00	3 ³ / ₄	1 ⁷ / ₈	2 ¹ / ₂	7.10	T50B25	188.60	3 ³ / ₄	2 ⁵ / ₈	2 ¹ / ₂	10.40
26	5.523	1 ⁵ / ₁₆	D50B26	153.20	3 ³ / ₄	1 ⁷ / ₈	2 ¹ / ₂	7.80	T50B26	200.20	3 ³ / ₄	2 ⁵ / ₈	2 ¹ / ₂	11.20
30	6.321	1 ⁵ / ₁₆	D50B30	171.40	3 ³ / ₄	1 ⁷ / ₈	2 ¹ / ₂	9.80	T50B30	228.20	3 ³ / ₄	2 ⁵ / ₈	2 ¹ / ₂	14.40
32	6.721	1 ⁵ / ₁₆	D50B32	180.60	3 ³ / ₄	1 ⁷ / ₈	2 ¹ / ₂	11.00						
35	7.319	1 ⁵ / ₁₆	D50B35	199.80	3 ³ / ₄	1 ⁷ / ₈	2 ¹ / ₂	12.90	T50B35	307.00	3 ³ / ₄	2 ⁵ / ₈	2 ¹ / ₂	19.20
36	7.519	1 ⁵ / ₁₆	D50B36	206.10	4	2 ¹ / ₈	2 ³ / ₄	16.00	T50B36	313.80	4	2 ³ / ₄	2 ³ / ₄	21.80
40	8.316	1 ⁵ / ₁₆	D50B40	212.80	4	2 ¹ / ₈	2 ³ / ₄	18.80						
42	8.715	1 ⁵ / ₁₆	D50B42	236.80	4	2 ¹ / ₈	2 ³ / ₄	20.40						
45	9.313	1 ⁵ / ₁₆	D50B45	255.40	4	2 ¹ / ₈	2 ³ / ₄	22.90						
48	9.911	1 ⁵ / ₁₆	D50B48	291.40	4 ¹ / ₄	2 ³ / ₈	2 ⁷ / ₈	25.50						
52	10.708	1 ⁵ / ₁₆	D50B52	324.80	4 ¹ / ₄	2 ³ / ₈	2 ⁷ / ₈	29.30						

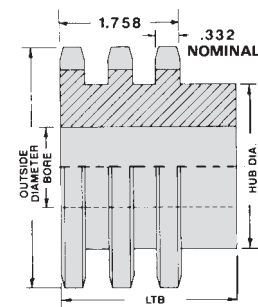
† Dimensions shown allow for standard keyway with set screw at 90°

CHAIN TECHNICAL DATA

Size	50-2, 50-3
Pitch	5/8"
Inside Width	3/8"
Roller Diameter	.400"



TYPE B



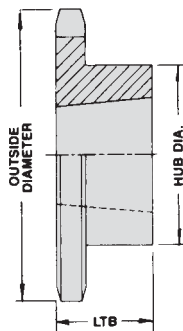
TYPE B

No. 50 $\frac{5}{8}$ " Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
12	2.708	50BTL12	\$55.20	1008	1 ▲	1 $\frac{15}{16}$	$\frac{7}{8}$	.50
13	2.911	50BTL13	56.00	1008	1	1 $\frac{15}{16}$	$\frac{7}{8}$	.50
14	3.113	50BTL14	58.60	1008	1	1 $\frac{15}{16}$	$\frac{7}{8}$	.60
15	3.315	50BTL15	60.40	1210	1 $\frac{1}{4}$ ▲	2 $\frac{15}{32}$	1	.70
16	3.517	50BTL16	63.80	1610	1 $\frac{5}{8}$ ▲	2 $\frac{25}{32}$	1	.70
17	3.719	50BTL17	68.40	1610	1 $\frac{5}{8}$ ▲	2 $\frac{25}{32}$	1	.80
18	3.920	50BTL18	71.80	1610	1 $\frac{5}{8}$	2 $\frac{25}{32}$	1	.90
19	4.120	50BTL19	74.00	1610	1 $\frac{5}{8}$	3	1	1.30
20	4.321	50BTL20	79.60	1610	1 $\frac{5}{8}$	3 $\frac{1}{4}$	1	1.60
21	4.522	50BTL21	90.60	1610	1 $\frac{5}{8}$	3	1	1.50
22	4.722	50BTL22	94.20	1610	1 $\frac{5}{8}$	3	1	1.60
23	4.922	50BTL23	99.60	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	2.00
24	5.122	50BTL24	103.20	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	2.20
25	5.322	50BTL25	107.80	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	2.40
26	5.522	50BTL26	110.80	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	2.50
27	5.723	50BTL27	111.20	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	2.60
28	5.922	50BTL28	111.80	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	2.80
30	6.321	50BTL30	113.40	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	3.20
32	6.721	50BTL32	116.40	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	3.60
35	7.319	50BTL35	121.00	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	4.20
36	7.519	50BTL36	123.20	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	4.30
40	8.316	50BTL40	131.40	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	5.20
42	8.715	50BTL42	134.40	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	5.90
45	9.313	50BTL45	137.80	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	6.50
48	9.911	50BTL48	143.80	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	7.30
54	11.106	50BTL54	155.80	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	9.00
60	12.301	50BTL60	172.40	2012	2	3 $\frac{5}{8}$	1 $\frac{1}{4}$	10.80
70	14.292	50BTL70	211.00	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	14.00
72	14.690	50BTL72	220.80	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	15.50
80	16.282	50BTL80	239.60	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	19.50
84	17.079	50BTL84	248.60	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	22.50
96	19.466	50BTL96	391.60	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	29.00
112	22.651	50BTL112	448.00	2517	2 $\frac{1}{2}$	4 $\frac{1}{4}$	1 $\frac{3}{4}$	38.70

▲ Has recessed groove in hub for chain clearance
TAPER-LOCK® is a registered trademark of Rockwell Automation.



TYPE B

CHAIN TECHNICAL DATA

Size	50
Pitch	$\frac{5}{8}$ "
Inside Width	$\frac{3}{8}$ "
Roller Diameter	.400"

No. 50 ^{5/8"} Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

50 Double TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
14	3.113	D50ATL14	\$139.00	1008	1		7/8	.90
15	3.315	D50ATL15	140.00	1210	1 1/4		1	.90
16	3.517	D50ATL16	141.20	1210	1 1/4		1	1.10
17	3.719	D50ATL17	142.00	1610	1 5/8		1	1.10
18	3.920	D50ATL18	144.60	1610	1 5/8		1	1.30
19	4.120	D50ATL19	145.80	1610	1 5/8		1	1.60
20	4.321	D50BTL20	146.80	2012	2	3/4	1 1/4	1.70
21	4.522	D50BTL21	149.00	2012	2	3/2	1 1/4	2.00
25	5.322	D50BTL25	172.80	2012	2	4 3/32	1 1/4	3.80
30	6.321	D50BTL30	220.80	2517	2 1/2	5 3/32	1 3/4	7.50
36	7.519	D50CTL36	253.40	2517	2 1/2	4 1/4	1 3/4	9.30
42	8.715	D50CTL42	283.80	2517	2 1/2	4 1/4	1 3/4	13.40
60	12.301	D50CTL60	475.00	2517	2 1/2	4 3/8	1 3/4	30.00

Dimensions are in inches unless otherwise indicated.

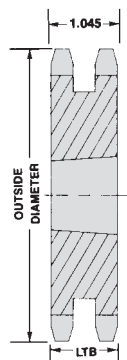
TAPER-LOCK® Bushings			
Bushing	List Price	Bore Range	Wt. Lbs.
1008	\$11.60	1/2 — 1	.20
1210	12.80	1/2 — 1 1/4	.50
1610	14.80	1/2 — 1 5/8	.70
2012	20.00	1/2 — 2	1.40
2517	24.60	1/2 — 2 1/2	3.20

Refer to page 69 for bushing specifications

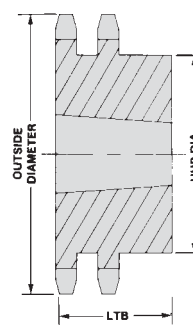
TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

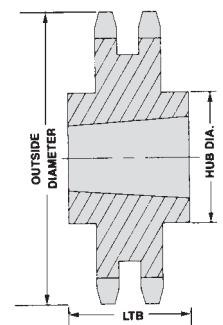
Size	50
Pitch	5/8"
Inside Width	3/8"
Roller Diameter	.400"



TYPE A



TYPE B



TYPE C

No. 50 ^{5/8"} Pitch — QD®

Dimensions are in inches unless otherwise indicated.

50 QD® 5/8" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
12	2.708	50JA12	\$43.20	JA	1¼	B	1 ⁵⁹ / ₆₄	9/16	1	1	17/32	2	.30
13	2.911	50JA13	49.40	JA	1¼	B	2 ¹ / ₁₆	9/16	1	1	17/32	2	.40
14	3.113	50JA14	50.60	JA	1¼	B	2 ¹ / ₈	9/16	1	1	17/32	2	.50
15	3.315	50JA15	53.40	JA	1¼	B	2 ¹ / ₄	9/16	1	1	17/32	2	.60
16	3.517	50JA16	54.80	JA	1¼	B	2 ¹ / ₄	9/16	1	1	17/32	2	.70
17	3.718	50SH17	57.80	SH	1 ¹¹ / ₁₆	B	2¾	13/16	1¾	1¾	27/32	2 ¹¹ / ₁₆	.80
18	3.919	50SH18	62.40	SH	1 ¹¹ / ₁₆	B	2 ⁷ / ₈	13/16	1¾	1¾	27/32	2 ¹¹ / ₁₆	1.00
19	4.121	50SH19	65.80	SH	1 ¹¹ / ₁₆	B	3	13/16	1¾	1¾	27/32	2 ¹¹ / ₁₆	1.00
20	4.321	50SDS20	67.20	SDS	2	B	3 ⁵ / ₁₆	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	1.20
21	4.522	50SDS21	80.60	SDS	2	B	3 ¹ / ₂	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	1.50
22	4.722	50SDS22	83.20	SDS	2	B	3 ¹ / ₂	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	1.60
23	4.923	50SDS23	87.60	SDS	2	B	3 ¹ / ₂	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	1.70
24	5.123	50SDS24	91.60	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	1.90
25	5.323	50SDS25	95.60	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	2.00
26	5.523	50SDS26	103.20	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	2.10
27	5.723	50SDS27	108.20	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	2.30
28	5.922	50SDS28	114.80	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	2.50
30	6.321	50SDS30	120.60	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	2.70
32	6.721	50SDS32	124.20	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	3.10
35	7.319	50SDS35	129.40	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	3.70
36	7.519	50SDS36	131.20	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	3.80
40	8.316	50SDS40	140.60	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	4.70
42	8.715	50SDS42	144.20	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	5.10
45	9.313	50SDS45	148.60	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	5.80
48	9.911	50SDS48	155.80	SDS	2	B	3 ⁵ / ₈	¾	1 ⁷ / ₁₆	1 ⁷ / ₁₆	29/32	3 ³ / ₁₆	6.90
54	11.106	50SK54	163.80	SK	2 ⁵ / ₈	B	4¼	1¼	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₃₂	3 ⁷ / ₈	10.20
60	12.301	50SK60	170.40	SK	2 ⁵ / ₈	B	4¼	1¼	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₃₂	3 ⁷ / ₈	11.30
70	14.292	50SK70	191.80	SK	2 ⁵ / ₈	B	4¼	1¼	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₃₂	3 ⁷ / ₈	14.70
72	14.690	50SK72	202.80	SK	2 ⁵ / ₈	B	4¼	1¼	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₃₂	3 ⁷ / ₈	15.60
80	16.283	50SF80	244.80	SF	2 ¹⁵ / ₁₆	B	5	1¼	2 ³ / ₁₆	2 ³ / ₁₆	1 ¹⁹ / ₃₂	4 ⁵ / ₈	19.70
96	19.467	50SF96	352.00	SF	2 ¹⁵ / ₁₆	B	5	1¼	2 ³ / ₁₆	2 ³ / ₁₆	1 ¹⁹ / ₃₂	4 ⁵ / ₈	27.60

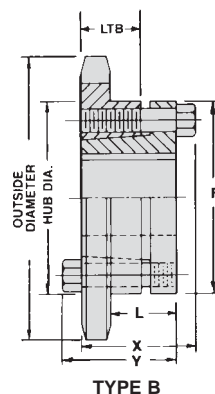
Dimensions are in inches unless otherwise indicated.

QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
JA	\$10.90	½ — 1	1/16 — 13/16	1¼	.80
SH	14.90	½ — 1¾	7/16 — 15/8	1 ¹¹ / ₁₆	.70
SDS	17.30	½ — 1 ¹¹ / ₁₆	¾ — 1 ¹⁵ / ₁₆	2	1.00
SK	26.80	½ — 2 ¹ / ₈	2¾ — 2½	2 ⁹ / ₁₆ — 2 ⁵ / ₈	2.10
SF	33.00	½ — 2 ⁵ / ₁₆	2¾ — 2 ¹³ / ₁₆	2 ¹³ / ₁₆ — 2 ¹⁵ / ₁₆	3.10

Refer to page 72 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.

CHAIN TECHNICAL DATA	
Size	50
Pitch	5/8"
Inside Width	3/8"
Roller Diameter	.400"



Dimensions are in inches unless otherwise indicated.

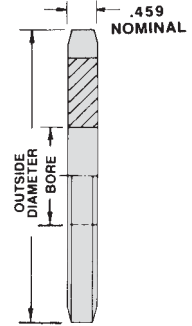
Type A					Type B Plain Bore						
No. Teeth	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8					60B8	\$27.20	5/8	13/16	1 19/32 ▲	1 1/4	.80
9					60B9	27.60	3/4	1	1 11/16 ▲	1 1/4	.60
10	60A10	\$31.20	3/4	.45	60B10	29.80	3/4	1 1/16	1 9/16 ▲	1 1/4	.90
11	60A11	32.40	3/4	.56	60B11	31.60	3/4	1 5/16	2 1/16 ▲	1 1/4	1.30
12	60A12	33.00	3/4	.68	60B12	33.80	3/4	1 3/8	2 3/8 ▲	1 1/4	1.70
13	60A13	33.80	3/4	.82	60B13	36.80	3/4	1 1/2	2 11/32	1 1/4	1.80
14	60A14	35.20	3/4	.89	60B14	39.60	3/4	1 3/4	2 9/16	1 1/4	2.10
15	60A15	36.60	3/4	1.10	60B15	45.80	3/4	1 7/8	2 7/8	1 1/4	2.60
16	60A16	37.80	3/4	1.20	60B16	51.60	3/4	2	3 1/16	1 1/4	3.00
17	60A17	39.20	3/4	1.50	60B17	54.20	3/4	2 1/4	3 1/4	1 1/4	3.40
18	60A18	40.40	3/4	1.60	60B18	57.80	3/4	2 3/8	3 1/2	1 1/4	3.90
19	60A19	41.80	3/4	1.80	60B19	65.80	3/4	2 1/2	3 3/4	1 1/4	3.80
20	60A20	43.20	3/4	2.00	60B20	70.40	3/4	2 5/8	3 3/4	1 1/4	4.00
21	60A21	44.40	1	2.20	60B21	72.60	3/4	2 1/8	3 3/4	1 1/4	4.20
22	60A22	45.80	1	2.50	60B22	78.20	3/4	2 1/8	3 3/4	1 1/4	4.40
23	60A23	47.20	1	2.70	60B23	80.60	1	2 3/4	4	1 1/2	6.30
24	60A24	48.60	1	2.90	60B24	87.20	1	2 3/4	4	1 1/2	6.60
25	60A25	49.80	1	3.00	60B25	93.80	1	2 3/4	4	1 1/2	6.90
26	60A26	51.20	1	3.50	60B26	97.00	1	2 3/4	4	1 1/2	7.20
27	60A27	53.00	1	3.80	60B27	102.40	1	2 3/4	4	1 1/2	7.50
28	60A28	53.80	1	3.90	60B28	103.20	1	2 3/4	4	1 1/2	7.80
29	60A29	57.00	1	4.40	60B29	106.40	1	2 3/4	4	1 1/2	8.10
30	60A30	57.80	1	4.70	60B30	107.20	1	2 3/4	4	1 1/2	8.40
31	60A31	61.00	1	5.30	60B31	110.00	1	2 3/4	4	1 1/2	8.80
32	60A32	61.80	1	5.50	60B32	110.40	1	2 3/4	4	1 1/2	9.10
33	60A33	66.20	1	5.80	60B33	112.60	1	2 3/4	4	1 1/2	9.50
34	60A34	67.20	1	6.10	60B34	113.00	1	2 3/4	4	1 1/2	9.90
35	60A35	67.60	1	6.60	60B35	113.80	1	2 3/4	4	1 1/2	10.30
36	60A36	69.80	1	6.90	60B36	118.40	1	2 3/4	4	1 1/2	10.70
37	60A37	74.40	1	7.40	60B37	129.00	1	2 3/4	4	1 1/2	11.10
38	60A38	75.20	1	7.70	60B38	130.00	1	2 3/4	4	1 1/2	11.50
39	60A39	75.60	1	8.10	60B39	130.40	1	2 3/4	4	1 1/2	11.90
40	60A40	76.60	1	8.40	60B40	131.20	1	2 3/4	4	1 1/2	12.30
41	60A41	79.60	1	8.80	60B41	144.60	1	2 3/4	4	1 1/2	12.80
42	60A42	80.60	1	9.70	60B42	145.00	1	2 3/4	4	1 1/2	13.30
44	60A44	85.80	1	10.50	60B44	149.00	1	2 3/4	4	1 1/2	14.20
45	60A45	87.20	1	10.60	60B45	150.00	1	2 3/4	4	1 1/2	14.70
46	60A46	89.80	1	10.90	60B46	155.20	1	2 3/4	4	1 1/2	15.20
48	60A48	93.80	1	12.20	60B48	160.60	1	2 3/4	4	1 1/2	16.30
49	60A49	103.20	1	12.60	60B49	170.20	1	2 3/4	4	1 1/2	16.80
50	60A50	112.60	1	13.10	60B50	179.80	1	2 3/4	4	1 1/2	17.40
52	60A52	113.00	1 3/8	14.50	60B52	181.00	1 3/8	2 3/4	4 1/4	1 3/4	19.60
54	60A54	113.80	1 3/8	15.80	60B54	182.40	1 3/8	2 3/4	4 1/4	1 3/4	20.80
60	60A60	140.60	1 3/8	19.30	60B60	210.40	1 3/8	2 3/4	4 1/4	1 3/4	24.60
70	60A70	204.60	1 3/8	26.80	60B70	283.40	1 3/8	2 3/4	4 1/4	1 3/4	31.80
72	60A72	215.80	1 3/8	27.50	60B72	299.00	1 3/8	2 3/4	4 1/4	1 3/4	33.40
80	60A80	262.60	1 3/8	35.10	60B80	354.20	1 3/8	2 3/4	4 1/4	1 3/4	40.20
84	60A84	302.60	1 3/8	37.00	60B84	380.80	1 3/8	2 3/4	4 1/4	1 3/4	43.80
96	60A96	387.20	1 3/8	52.40	60B96	468.00	1 3/8	2 3/4	4 1/4	1 3/4	55.90
112	60A112	478.40	1 3/8	68.00	60B112	598.00	1 3/8	2 3/4	4 1/4	1 3/4	74.40

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

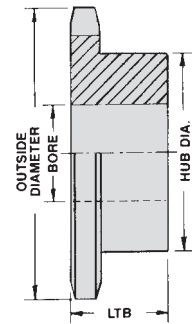
▲ Has recessed groove in hub for chain clearance †Dimensions shown allow for standard keyway with set screw at 90°

CHAIN TECHNICAL DATA

Size	60
Pitch	3/4"
Inside Width	1/2"
Roller Diameter	.469"



TYPE A



TYPE B

No. 60

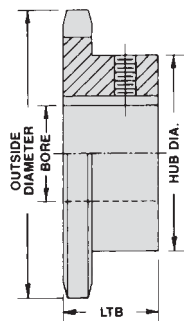
3/4" Pitch — Finished Bore

Dimensions are in inches unless otherwise indicated.

No. Teeth	Catalog Number	List Price	Type F Bored to Size		Sprocket Diameters 3/4" Pitch		
					Outside Diameter	Pitch Diameter	Caliper Diameter
9	60B9F	\$31.60	3/4,	1	2.511	2.193	1.691
10	60B10F	33.00	5/8, 3/4, 7/8,	1	2.759	2.427	1.958
11	60B11F	35.60	3/4,	1, 1 1/8, 1 1/4 ●	3.005	2.663	2.166
12	60B12F	39.60	3/4, 7/8,	1, 1 1/8, 1 1/4 ●	3.249	2.898	2.429
13	60B13F	44.40	3/4, 7/8,	1, 1 1/8, 1 3/16, 1 1/4, 1 3/8 ●, 1 7/16 ●, 1 1/2 ●	3.493	3.134	2.642
14	60B14F	52.00	3/4, 7/8,	1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16 ●, 1 1/2 ●	3.736	3.371	2.902
15	60B15F	60.00	3/4, 7/8,	1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4 ●	3.978	3.608	3.119
16	60B16F	66.80	3/4, 7/8,	1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16 ●	4.220	3.845	3.375
17	60B17F	73.80		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 15/16 ●	4.462	4.082	3.595
18	60B18F	81.40		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 15/16	4.703	4.319	3.850
19	60B19F	85.00		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16	4.945	4.557	4.072
20	60B20F	89.00		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16	5.186	4.794	4.325
21	60B21F	101.40		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 15/16	5.426	5.033	4.549
22	60B22F	108.60		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 15/16	5.666	5.270	4.801
23	60B23F	111.20		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16	5.907	5.508	5.026
24	60B24F	118.80		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 15/16	6.147	5.746	5.277
25	60B25F	126.40		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 15/16	6.387	5.984	5.503
26	60B26F	128.60		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 15/16	6.627	6.222	5.753
27	60B27F	131.00		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16	6.867	6.461	5.980
28	60B28F	137.00		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16	7.106	6.698	6.229
29	60B29F	139.60		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 15/16	7.346	6.937	6.458
30	60B30F	142.00		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16	7.586	7.175	6.706
31	60B31F	143.40		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 15/16	7.826	7.413	6.935
32	60B32F	144.60		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 15/16	8.065	7.652	7.183
33	60B33F	146.20		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16	8.305	7.890	7.412
35	60B35F	149.60		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 15/16	8.783	8.367	7.889
36	60B36F	153.40		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 15/16, 2, 2 3/16, 2 7/16	9.023	8.606	8.137
38	60B38F	161.00		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16, 2, 2 3/16, 2 7/16	9.501	9.083	8.614
40	60B40F	168.60		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 15/16, 2, 2 3/16, 2 7/16	9.980	9.560	9.091
42	60B42F	177.40		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 15/16, 2, 2 3/16, 2 7/16	10.458	10.037	9.568
45	60B45F	190.40		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 15/16, 2, 2 3/16, 2 7/16	11.176	10.752	10.276
48	60B48F	205.20		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16, 2, 2 3/16, 2 7/16	11.893	11.468	10.999
54	60B54F	215.60		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 15/16, 2, 2 3/16, 2 7/16	13.327	12.889	12.430
60	60B60F	226.00		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 15/16, 2, 2 3/16, 2 7/16	14.761	14.330	13.861

● Indicates set screw at 90° and 180° from keyway

Hub diameters may vary to suit bore sizes



TYPE B

CHAIN TECHNICAL DATA

Size	60
Pitch	3/4"
Inside Width	1/2"
Roller Diameter	.469"

No. 60 ^{3/4"} Pitch — Stainless Steel

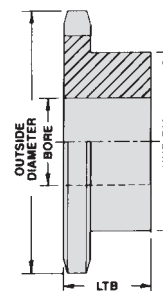
Dimensions are in inches unless otherwise indicated.

Single — Type B — Stainless Steel								
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
12	3.250	60B12SS	\$213.20	3/4	1 3/8	2 3/8 ▲	1 1/4	1.50
13	3.490	60B13SS	234.00	3/4	1 3/8	2 11/32	1 1/4	1.80
14	3.740	60B14SS	255.40	3/4	1 3/4	2 9/16	1 1/4	2.00
15	3.980	60B15SS	310.20	3/4	1 7/8	2 7/8	1 1/4	2.40
16	4.220	60B16SS	336.00	3/4	2	3 1/16	1 1/4	2.80
17	4.466	60B17SS	371.60	3/4	2 1/4	3 1/4	1 1/4	3.30
18	4.700	60B18SS	404.80	3/4	2	3	1 1/4	3.80
19	4.950	60B19SS	440.60	3/4	2	3	1 1/4	4.00
20	5.190	60B20SS	474.40	3/4	2	3	1 1/4	4.60
21	5.430	60B21SS	498.40	3/4	2	3	1 1/4	5.00
22	5.670	60B22SS	554.00	3/4	2	3	1 1/4	5.30
23	5.910	60B23SS	614.00	3/4	2	3	1 1/4	5.70
24	6.150	60B24SS	680.80	3/4	2	3	1 1/4	5.90
25	6.390	60B25SS	766.20	3/4	2	3	1 1/4	6.10
26	6.630	60B26SS	803.20	3/4	2	3	1 1/4	6.30
28	7.110	60B28SS	843.20	3/4	2 3/8	3 1/2	1 1/4	6.70
30	7.590	60B30SS	875.60	3/4	2 3/8	3 1/2	1 1/4	7.00
35	8.780	60B35SS	948.60	3/4	2 3/8	3 1/2	1 1/4	9.00
40	9.980	60B40SS	1,070.20	3/4	2 3/8	3 1/2	1 1/4	11.70
45	11.180	60B45SS	1,240.00	3/4	2 3/8	3 1/2	1 1/4	14.50
60	14.760	60B60SS	1,763.00	3/4	2 3/8	3 1/2	1 1/4	25.00

▲ Has recessed groove in hub for chain clearance

CHAIN TECHNICAL DATA

Size	60SS
Pitch	3/4"
Inside Width	1/2"
Roller Diameter	.469"



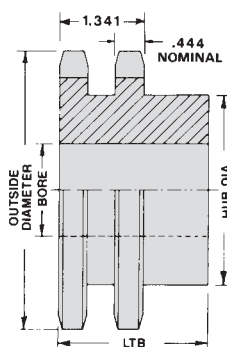
TYPE B

No. 60 ^{3/4"} Pitch — Multiple Strand

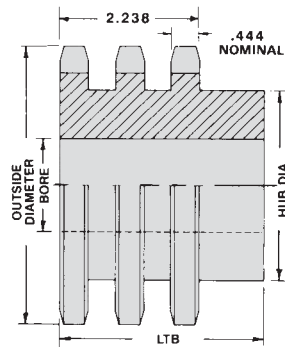
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			60-2 Double Strand						60-3 Triple Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	3.005	3/4	D60B11	\$91.60	1 ²⁵ / ₃₂	2 1/8	1 3/16	1.80	T60B11	\$134.40	1 ²⁵ / ₃₂	3	1 3/16	2.60
12	3.249	3/4	D60B12	95.20	2 ¹ / ₃₂	2 1/8	1 3/8	2.30	T60B12	138.40	2 ¹ / ₃₂	3	1 3/8	3.30
13	3.493	3/4	D60B13	103.20	2 1/4	2 1/8	1 1/2	2.80	T60B13	150.00	2 1/4	3	1 1/2	4.10
14	3.736	3/4	D60B14	108.60	2 1/2	2 1/8	1 3/4	3.50	T60B14	154.00	2 1/2	3	1 3/4	4.90
15	3.978	3/4	D60B15	113.00	2 3/4	2 1/8	1 7/8	4.10	T60B15	159.80	2 3/4	3	1 7/8	5.90
16	4.220	3/4	D60B16	121.00	3	2 1/8	2	4.80	T60B16	167.20	3	3	2	6.90
17	4.462	3/4	D60B17	127.60	3 ⁷ / ₃₂	2 1/8	2 1/4	5.60	T60B17	177.20	3 ⁷ / ₃₂	3	2 1/4	8.00
18	4.703	1	D60B18	133.00	3 ⁷ / ₁₆	2 1/8	2 3/8	6.20	T60B18	186.00	3 ⁷ / ₁₆	3	2 3/8	8.80
19	4.945	1	D60B19	140.60	3 ¹¹ / ₁₆	2 1/8	2 1/2	7.00	T60B19	195.80	3 ¹¹ / ₁₆	3	2 1/2	10.00
20	5.186	1	D60B20	150.40	3 3/4	2 1/8	2 1/2	7.70	T60B20	210.40	3 3/4	3	2 1/2	11.10
21	5.426	1	D60B21	159.80	4 1/8	2 1/8	2 3/4	8.90	T60B21	223.00	4 1/8	3	2 3/4	12.70
22	5.666	1	D60B22	162.00	4 1/4	2 1/8	2 3/4	9.70	T60B22	230.00	4 1/4	3	2 3/4	14.00
23	5.907	1	D60B23	163.40	4 1/4	2 1/8	2 3/4	10.40	T60B23	236.80	4 1/4	3	2 3/4	15.10
24	6.147	1	D60B24	166.00	4 1/4	2 1/8	2 3/4	11.10	T60B24	243.40	4 1/4	3	2 3/4	16.30
25	6.387	1	D60B25	172.60	4 1/4	2 1/8	2 3/4	12.00	T60B25	250.00	4 1/4	3	2 3/4	17.70
26	6.627	1 5/16	D60B26	179.40	4 1/4	2 1/8	2 3/4	13.00	T60B26	262.00	4 1/4	3	2 3/4	18.20
30	7.586	1 9/16	D60B30	255.00	4 1/4	2 1/8	2 3/4	16.70	T60B30	358.20	4 1/4	3	2 3/4	23.00
32	8.065	1 3/16	D60B32	267.40	4 1/2	2 3/8	3	19.90						
35	8.783	1 3/16	D60B35	284.80	4 1/2	2 3/8	3	23.20	T60B35	437.40	4 1/2	3 1/4	3	31.40
36	9.023	1 3/16	D60B36	292.80	4 1/2	2 3/8	3	27.90	T60B36	449.40	4 1/2	3 1/4	3	35.30
40	9.980	1 3/16	D60B40	349.40	4 3/4	2 3/4	3 1/4	33.00						
45	11.176	1 3/16	D60B45	445.00	4 3/4	2 3/4	3 1/4	40.20						
48	11.893	1 3/16	D60B48	478.40	4 3/4	2 3/4	3 1/4	44.90						
60	14.761	1 3/16	D60B60	627.40	4 3/4	2 3/4	3 1/4	67.00						

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



TYPE B



TYPE B

CHAIN TECHNICAL DATA

Size	60-2, 60-3
Pitch	3/4"
Inside Width	1/2"
Roller Diameter	.469"

No. 60 ^{3/4"} Pitch — TAPER-LOCK®

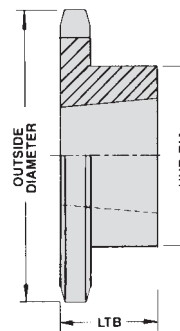
Dimensions are in inches unless otherwise indicated.

Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
13	3.493	60BTL13	\$62.80	1210	1 ▲	2 ¹⁵ / ₃₂	1	.80
14	3.736	60BTL14	72.80	1210	1 1/4	2 ¹⁵ / ₃₂	1	1.00
15	3.979	60BTL15	77.40	1610	1 5/8	2 ²⁵ / ₃₂	1	1.00
16	4.221	60BTL16	79.60	1610	1 5/8	3	1	1.40
17	4.462	60BTL17	83.40	1610	1 5/8	3 1/4	1	1.80
18	4.704	60BTL18	94.20	1610	1 5/8	3 1/4	1	1.90
19	4.945	60BTL19	98.40	1610	1 5/8	3 1/4	1	2.20
20	5.185	60BTL20	103.20	2012	2	3 5/8	1 1/4	2.40
21	5.426	60BTL21	104.40	2012	2	3 5/8	1 1/4	2.50
22	5.666	60BTL22	110.80	2012	2	3 5/8	1 1/4	2.80
23	5.907	60BTL23	114.60	2012	2	3 5/8	1 1/4	3.10
24	6.147	60BTL24	121.00	2012	2	3 5/8	1 1/4	3.40
25	6.387	60BTL25	126.60	2012	2	3 5/8	1 1/4	3.70
26	6.627	60BTL26	131.40	2012	2	3 5/8	1 1/4	4.00
27	6.867	60BTL27	134.00	2012	2	3 5/8	1 1/4	4.20
28	7.107	60BTL28	136.60	2012	2	3 5/8	1 1/4	4.60
30	7.586	60BTL30	141.20	2012	2	3 5/8	1 1/4	5.20
32	8.065	60BTL32	145.80	2012	2	3 5/8	1 1/4	5.60
35	8.783	60BTL35	152.40	2012	2	3 5/8	1 1/4	6.40
36	9.022	60BTL36	154.40	2012	2	3 5/8	1 1/4	6.60
40	9.980	60BTL40	161.00	2012	2	3 5/8	1 1/4	8.30
42	10.458	60BTL42	178.00	2012	2	3 5/8	1 1/4	10.00
45	11.175	60BTL45	186.20	2012	2	3 5/8	1 1/4	11.50
48	11.893	60BTL48	196.80	2012	2	3 5/8	1 1/4	13.20
54	13.327	60BTL54	217.40	2517	2 1/2	4 1/4	1 3/4	17.10
60	14.761	60BTL60	244.40	2517	2 1/2	4 1/4	1 3/4	21.00
70	17.150	60BTL70	301.20	2517	2 1/2	4 1/4	1 3/4	27.60
72	17.628	60BTL72	315.00	2517	2 1/2	4 1/4	1 3/4	30.00
80	19.539	60BTL80	420.20	2517	2 1/2	4 1/4	1 3/4	36.30
84	20.494	60BTL84	459.60	2517	2 1/2	4 1/4	1 3/4	40.60

▲ Has recessed groove in hub for chain clearance
 TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	60
Pitch	3/4"
Inside Width	1/2"
Roller Diameter	.469"



TYPE B

No. 60 ³/₄" Pitch — TAPER-LOCK®

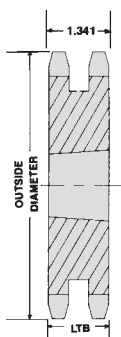
Dimensions are in inches unless otherwise indicated.

Double TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
13	3.493	D60BTL13	\$143.80	1215	1¼	2¼	1½	1.30
14	3.736	D60BTL14	147.60	1215	1¼	2½	1½	1.80
15	3.979	D60BTL15	151.40	1615	1⅝	2 ¹³ / ₁₆	1½	1.80
16	4.221	D60BTL16	158.20	1615	1⅝	3	1½	2.30
17	4.462	D60BTL17	161.80	1615	1⅝	3¼	1½	2.90
18	4.704	D60ATL18	165.20	2012	2		1¼	2.40
19	4.945	D60ATL19	166.80	2012	2		1¼	3.00
20	5.185	D60BTL20	169.00	2517	2½	3 ⁶¹ / ₆₄	1¾	2.90
21	5.426	D60BTL21	179.40	2517	2½	4 ³ / ₁₆	1¾	3.80
25	6.387	D60BTL25	205.00	2517	2½	5 ⁵ / ₃₂	1¾	7.50
30	7.586	D60BTL30	291.40	2517	2½	6 ¹¹ / ₃₂	1¾	13.20
36	9.022	D60CTL36	345.40	2517	2½	4¼	1¾	17.40
42	10.458	D60CTL42	428.00	2517	2½	4¼	1¾	25.10
45	11.175	D60CTL45	490.00	2517	2½	4¼	1¾	29.40

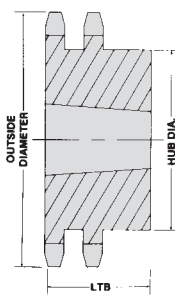
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings			
Bushing	List Price	Bore Range	Wt. Lbs.
1210	\$12.80	½ — 1¼	.50
1610	14.80	½ — 1⅝	.70
2012	20.00	½ — 2	1.40
2517	24.60	½ — 2½	3.20

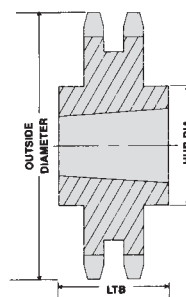
Refer to page 69 for bushing specifications
TAPER-LOCK® is a registered trademark of Rockwell Automation.



TYPE A



TYPE B



TYPE C

CHAIN TECHNICAL DATA

Size	60
Pitch	³ / ₄ "
Inside Width	1½"
Roller Diameter	.469"

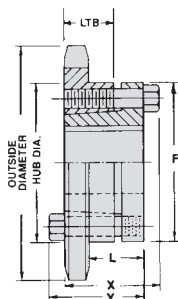
No. 60 ^{3/4"} Pitch — QD®

Dimensions are in inches unless otherwise indicated.

60 QD® 3/4" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
11	3.005	60JA11	\$54.20	JA	1 1/4	B	2 1/16	9/16	1	1	27/64	2	.40
12	3.249	60JA12	57.40	JA	1 1/4	B	2 1/16	9/16	1	1	27/64	2	.60
13	3.493	60JA13	59.20	JA	1 1/4	B	2 1/4	9/16	1	1	27/64	2	.70
14	3.736	60SH14	62.40	SH	1 11/16	B	2 11/16	13/16	1 3/8	1 3/8	47/64	2 11/16	.90
15	3.978	60SH15	66.20	SH	1 11/16	B	2 3/4	13/16	1 3/8	1 3/8	47/64	2 11/16	1.00
16	4.220	60SH16	77.40	SH	1 11/16	B	3	13/16	1 3/8	1 3/8	47/64	2 11/16	1.20
17	4.462	60SDS17	80.00	SDS	2	B	3 1/4	3/4	1 7/16	1 7/16	51/64	3 3/16	1.40
18	4.703	60SDS18	88.60	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	1.60
19	4.945	60SDS19	93.00	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	1.90
20	5.186	60SDS20	95.60	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	2.10
21	5.426	60SDS21	98.40	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	2.30
22	5.666	60SDS22	105.40	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	2.60
23	5.907	60SDS23	109.40	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	2.80
24	6.147	60SDS24	117.00	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	3.10
25	6.387	60SDS25	122.80	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	51/64	3 3/16	3.30
26	6.627	60SK26	125.80	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	4.60
27	6.867	60SK27	126.60	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	4.80
28	7.106	60SK28	128.00	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	5.00
30	7.586	60SK30	129.00	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	5.70
32	8.065	60SK32	143.20	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	6.40
35	8.783	60SK35	145.60	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	7.50
36	9.023	60SK36	148.20	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	7.80
40	9.980	60SK40	151.80	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 23/64	3 7/8	9.50
42	10.458	60SF42	158.40	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	11.00
45	11.176	60SF45	160.20	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	12.10
48	11.893	60SF48	192.00	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 3/4	13.80
54	13.327	60SF54	196.60	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	16.80
60	14.761	60SF60	256.80	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	21.30
70	17.150	60SF70	290.00	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	28.70
72	17.628	60SF72	307.00	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	31.00
80	19.539	60SF80	373.80	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	37.00
84	20.495	60SF84	400.40	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	38.50
96	23.360	60SF96	610.40	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 31/64	4 5/8	52.30
112	27.181	60E112	625.60	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	2 3/16	6	75.50

CHAIN TECHNICAL DATA

Size	60
Pitch	3/4"
Inside Width	1/2"
Roller Diameter	.469"



TYPE B

Dimensions are in inches unless otherwise indicated.

Bushing	List Price	QD® Bushings				Wt. Lbs.
		Bore Range		No Keyway		
		Standard Keyway	Shallow Keyway			
JA	\$10.90	1/2 — 1	1/16 — 1 3/16	1 1/4	.80	
SH	14.90	1/2 — 1 3/8	7/16 — 1 5/8	1 11/16	.70	
SDS	17.30	1/2 — 1 11/16	3/4 — 1 15/16	2	1.00	
SK	26.80	1/2 — 2 1/8	2 3/16 — 2 1/2	2 9/16 — 2 5/8	2.10	
SF	33.00	1/2 — 2 5/16	2 3/8 — 2 13/16	2 13/16 — 2 15/16	3.10	
E	69.20	7/8 — 2 7/8	2 15/16 — 3 1/2	-	7.10	

Refer to page 72 for bushing specifications

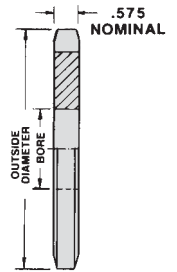
QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.

No. 80 1" Pitch — Plain Bore

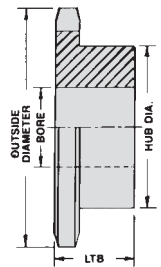
Dimensions are in inches unless otherwise indicated.

CHAIN TECHNICAL DATA	
Size	80
Pitch	1"
Inside Width	5/8"
Roller Diameter	.625"

Type A					Type B Plain Bore						
No. Teeth	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	80A9	\$37.20	1	.70	80B8	\$48.60	1	1 3/16	1 15/16 ▲	1 9/16	1.30
10	80A10	38.00	1	1.00	80B9	48.60	1	1 1/8	2 9/32 ▲	1 9/16	1.80
11	80A11	39.60	1	1.30	80B10	53.00	1	1 1/2	2 9/16 ▲	1 9/16	2.40
12	80A12	41.00	1	1.70	80B11	58.40	1	1 5/8	2 13/16 ▲	1 9/16	2.90
13	80A13	44.40	1	2.00	80B12	62.80	1	1 7/8	3 1/8 ▲	1 9/16	3.60
14	80A14	45.40	1	2.40	80B13	67.60	1	1 31/32	3 1/32	1 9/16	3.80
15	80A15	47.20	1	2.70	80B14	71.80	1	2 1/4	3 1/4	1 9/16	4.40
16	80A16	50.20	1	3.10	80B15	76.20	1	2 1/2	3 13/16	1 9/16	5.60
17	80A17	53.00	1	3.50	80B16	85.80	1	2 7/16	3 3/4	1 5/8	6.10
18	80A18	56.00	1	4.00	80B17	97.40	1	2 7/16	3 3/4	1 5/8	6.50
19	80A19	58.80	1	4.40	80B18	109.00	1	2 7/16	3 3/4	1 5/8	6.90
20	80A20	61.80	1	4.40	80B19	125.40	1	2 7/16	3 3/4	1 5/8	7.40
21	80A21	65.60	1	5.00	80B20	134.00	1	2 15/16	4 1/2	1 7/8	10.40
22	80A22	69.00	1	5.60	80B21	145.20	1	2 15/16	4 1/2	1 7/8	10.90
23	80A23	71.80	1	6.20	80B22	150.00	1	2 15/16	4 1/2	1 7/8	11.40
24	80A24	74.80	1	6.60	80B23	156.80	1	2 15/16	4 1/2	1 7/8	12.00
25	80A25	77.60	1	7.00	80B24	160.00	1	2 15/16	4 1/2	1 7/8	12.50
26	80A26	80.00	1 3/8	7.90	80B25	163.00	1	2 15/16	4 1/2	1 7/8	13.10
27	80A27	91.60	1 3/8	8.80	80B26	168.20	1 3/8	3 1/4	4 3/4	1 7/8	14.00
28	80A28	92.00	1 3/8	9.00	80B27	178.80	1 3/8	3 1/4	4 3/4	1 7/8	14.70
29	80A29	93.60	1 3/8	10.00	80B28	181.40	1 3/8	3 1/4	4 3/4	1 7/8	15.40
30	80A30	94.40	1 3/8	10.60	80B29	186.20	1 3/8	3 1/4	4 3/4	1 7/8	16.00
31	80A31	100.40	1 3/8	11.30	80B30	190.00	1 3/8	3 1/4	4 3/4	1 7/8	16.80
32	80A32	101.80	1 3/8	11.90	80B31	200.00	1 3/8	3 1/4	4 3/4	1 7/8	17.50
33	80A33	113.40	1 3/8	12.70	80B32	201.60	1 3/8	3 1/4	4 3/4	1 7/8	18.30
34	80A34	123.00	1 3/8	13.70	80B33	216.00	1 3/8	3 1/4	4 3/4	1 7/8	19.00
35	80A35	125.40	1 3/8	14.90	80B34	217.40	1 3/8	3 1/4	4 3/4	1 7/8	20.00
36	80A36	130.20	1 3/8	15.30	80B35	219.00	1 3/8	3 1/4	4 3/4	1 7/8	20.70
37	80A37	137.40	1 3/8	16.10	80B36	225.20	1 3/8	3 1/4	4 3/4	1 7/8	21.60
38	80A38	149.40	1 3/8	17.30	80B37	237.60	1 3/8	3 1/4	4 3/4	1 7/8	22.40
40	80A40	156.80	1 3/8	18.90	80B38	250.60	1 3/8	3 1/4	4 3/4	1 7/8	23.30
45	80A45	197.60	1 3/8	24.70	80B40	253.60	1 3/8	3 1/4	4 3/4	1 7/8	25.20
46	80A46	221.80	1 3/8	25.70	80B45	292.20	1 3/8	3 1/4	4 3/4	1 7/8	30.30
48	80A48	226.60	1 3/8	28.20	80B46	300.80	1 3/8	3 1/4	4 3/4	1 7/8	31.40
49	80A49	274.80	1 3/8	29.00	80B48	318.00	1 3/8	3 1/4	4 3/4	1 7/8	33.70
54	80A54	284.40	1 3/8	35.50	80B49	344.20	1 3/8	3 1/4	4 3/4	1 7/8	34.90
60	80A60	340.00	1 3/8	44.80	80B54	362.00	1 3/8	3 1/4	4 3/4	1 7/8	41.00
65	80A65	436.40	1 3/8	51.60	80B60	441.80	1 3/8	3 1/4	4 3/4	1 7/8	49.30
70	80A70	453.20	1 3/8	56.50							
72	80A72	467.60	1 3/8	64.50							
80	80A80	556.80	1 3/8	79.00							
84	80A84	619.60	1 3/8	86.00							
96	80A96	802.80	1 3/8	113.00							
112	80A112	1,203.00	1 3/8	159.00							



TYPE A



TYPE B

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

Dimensions are in inches unless otherwise indicated.

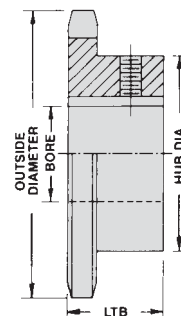
Type F Bored to Size				Sprocket Diameters		
No. Teeth	Catalog Number	List Price	Available Bores (Includes Standard KW + 2SS)	Outside Diameter	Pitch Diameter	1" Pitch Caliper Diameter
9	80B9F	\$53.40	1	3.348	2.924	2.254
10	80B10F	58.80	1, 1¼	3.678	3.236	2.611
11	80B11F	65.60	1, 1½, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝ ●	4.006	3.550	2.888
12	80B12F	73.80	1, 1½, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾	4.332	3.864	3.239
13	80B13F	81.40	1, 1½, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅞, 1⅝ ●	4.657	4.179	3.523
14	80B14F	89.60	1, 1½, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅞ ●, 1⅝ ●	4.981	4.494	3.869
15	80B15F	95.60	1, 1½, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅞, 1⅝	5.304	4.810	4.158
16	80B16F	104.20	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜	5.627	5.126	4.501
17	80B17F	124.80	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜	5.949	5.442	4.794
18	80B18F	133.20	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜	6.271	5.759	5.134
19	80B19F	141.80	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜	6.593	6.076	5.430
20	80B20F	150.40	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	6.914	6.392	5.767
21	80B21F	156.80	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	7.235	6.710	6.066
22	80B22F	177.60	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	7.555	7.027	6.402
24	80B24F	186.80	1, 1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	8.196	7.661	7.036
26	80B26F	197.00	1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	8.836	8.296	7.671
27	80B27F	202.80	1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	9.156	8.614	7.974
28	80B28F	207.60	1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	9.475	8.931	8.306
30	80B30F	220.40	1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	10.114	9.567	8.942
36	80B36F	255.20	1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	12.030	11.474	10.849
60	80B60F	479.60	1⅜, 1¼, 1⅝, 1⅞, 1½, 1⅝, 1¾, 1⅝, 2, 2⅜, 2⅞, 2⅝	19.681	19.107	18.482

Hub diameters may vary to suit bore sizes

● Indicates set screw at 90° and 180° from keyway

CHAIN TECHNICAL DATA

Size	80
Pitch	1"
Inside Width	5/8"
Roller Diameter	.625"



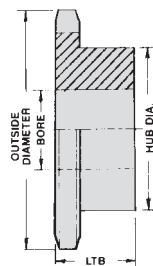
TYPE B

No. 80

1" Pitch — Stainless Steel

Dimensions are in inches unless otherwise indicated.

Single — Type B — Stainless Steel								
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
10	3.678	80B10SS	\$267.86	1	1½	2 ⁹ / ₁₆	1 ⁹ / ₁₆	2.40
11	4.006	80B11SS	340.56	1	1 ⁵ / ₈	2 ¹³ / ₁₆	1 ⁹ / ₁₆	2.90
12	4.332	80B12SS	382.65	1	1 ⁷ / ₈	3 ¹ / ₈	1 ⁹ / ₁₆	3.60
13	4.657	80B13SS	432.42	1	1 ³¹ / ₃₂	3 ¹ / ₃₂	1 ⁹ / ₁₆	3.80
14	4.981	80B14SS	472.41	1	2¼	3¼	1 ⁹ / ₁₆	4.40
15	5.305	80B15SS	494.31	1	2¼	3 ¹³ / ₁₆	1 ⁹ / ₁₆	5.60
16	5.627	80B16SS	539.86	1	2 ⁷ / ₁₆	3¾	1 ⁵ / ₈	6.10
18	6.271	80B18SS	692.70	1	2 ⁷ / ₁₆	3¾	1 ⁵ / ₈	6.90
19	6.593	80B19SS	744.19	1	2 ⁷ / ₁₆	3¾	1 ⁵ / ₈	7.40
20	6.914	80B20SS	853.67	1	2 ¹⁵ / ₁₆	4½	1 ⁷ / ₈	10.40
22	7.555	80B22SS	945.00	1	2 ¹⁵ / ₁₆	4½	1 ⁷ / ₈	11.40
23	7.826	80B23SS	1,019.20	1	2 ¹⁵ / ₁₆	4½	1 ⁷ / ₈	12.00
24	8.196	80B24SS	1,040.00	1	2 ¹⁵ / ₁₆	4½	1 ⁷ / ₈	12.50



TYPE B

CHAIN TECHNICAL DATA

Size	80
Pitch	1"
Inside Width	5/8"
Roller Diameter	.625"

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			80-2 Double Strand						80-3 Triple Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
10	3.678	1	D80B10	\$158.60	2 ⁹ / ₁₆ ▲	2 ³ / ₄	1 ³ / ₈	3.50						
11	4.006	1	D80B11	160.00	2 ³ / ₈	2 ¹ / ₂	1 ⁹ / ₁₆	3.90	T80B11	\$223.80	2 ³ / ₈	3 ⁵ / ₈	1 ⁹ / ₁₆	5.70
12	4.332	1	D80B12	169.60	2 ¹¹ / ₁₆	2 ¹ / ₂	1 ¹³ / ₁₆	4.90	T80B12	234.80	2 ¹¹ / ₁₆	3 ⁵ / ₈	1 ¹³ / ₁₆	7.20
13	4.657	1	D80B13	182.80	3 ¹ / ₃₂	2 ¹ / ₂	2	6.10	T80B13	245.80	3 ¹ / ₃₂	3 ⁵ / ₈	2	8.90
14	4.981	1	D80B14	192.00	3 ⁵ / ₁₆	2 ¹ / ₂	2 ¹ / ₄	7.30	T80B14	263.20	3 ⁵ / ₁₆	3 ⁵ / ₈	2 ¹ / ₄	10.70
15	5.304	1	D80B15	207.80	3 ⁵ / ₈	2 ¹ / ₂	2 ¹ / ₂	8.70	T80B15	282.60	3 ⁵ / ₈	3 ⁵ / ₈	2 ¹ / ₂	12.70
16	5.627	1	D80B16	226.60	4	2 ³ / ₄	2 ³ / ₄	11.10	T80B16	325.60	4	3 ⁷ / ₈	2 ³ / ₄	15.80
17	5.949	1	D80B17	244.40	4 ⁵ / ₁₆	2 ³ / ₄	2 ⁷ / ₈	12.80	T80B17	345.80	4 ⁵ / ₁₆	3 ⁷ / ₈	2 ⁷ / ₈	18.30
18	6.271	1	D80B18	261.80	4 ⁵ / ₈	2 ³ / ₄	3 ¹ / ₈	14.60	T80B18	379.00	4 ⁵ / ₈	3 ⁷ / ₈	3 ¹ / ₈	20.90
19	6.593	1	D80B19	290.80	4 ¹⁵ / ₁₆	2 ³ / ₄	3 ⁵ / ₁₆	16.60	T80B19	418.60	4 ¹⁵ / ₁₆	3 ⁷ / ₈	3 ⁵ / ₁₆	23.80
20	6.914	1	D80B20	320.60	5	2 ³ / ₄	3 ⁵ / ₁₆	18.20	T80B20	438.80	5	3 ⁷ / ₈	3 ⁵ / ₁₆	26.20
21	7.235	1	D80B21	350.00	5	2 ³ / ₄	3 ⁵ / ₁₆	19.60	T80B21	460.00	5	3 ⁷ / ₈	3 ⁵ / ₁₆	28.60
22	7.560	1	D80B22	382.40	5	2 ³ / ₄	3 ⁵ / ₁₆	21.00	T80B22	507.20	5	3 ⁷ / ₈	3 ⁵ / ₁₆	31.00
23	7.880	1	D80B23	396.80	5	2 ³ / ₄	3 ⁵ / ₁₆	22.80	T80B23	542.40	5	3 ⁷ / ₈	3 ⁵ / ₁₆	34.00
24	8.196	1 ⁵ / ₁₆	D80B24	441.20	5	2 ³ / ₄	3 ⁵ / ₁₆	24.70	T80B24	614.80	5	3 ⁷ / ₈	3 ⁵ / ₁₆	34.60
25	8.520	1 ⁵ / ₁₆	D80B25	487.00	5	2 ³ / ₄	3 ⁵ / ₁₆	28.30	T80B25	689.60	5 ¹ / ₂	4 ¹ / ₄	3 ³ / ₄	41.00
30	10.114	1 ⁹ / ₁₆	D80B30	537.00	5 ¹ / ₂	3	3 ³ / ₄	39.50	T80B30	781.00	5 ¹ / ₂	4 ¹ / ₄	3 ³ / ₄	52.20
36	12.030	1 ⁷ / ₁₆	D80B36	600.40	5 ¹ / ₂	3 ¹ / ₈	3 ³ / ₄	55.10						

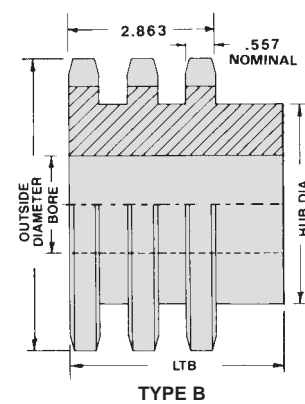
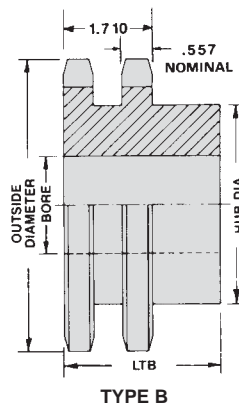
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

▲ Has recessed groove in hub for chain clearance

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

CHAIN TECHNICAL DATA

Size	80-2, 80-3
Pitch	1"
Inside Width	5/8"
Roller Diameter	.625"

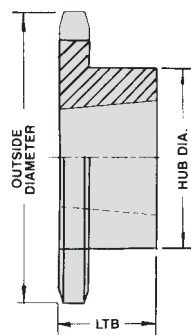


No. 80 1" Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

80 Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
10	3.678	80BTL10	\$86.20	1215	1¼	2¾ ▲	1½	1.10
11	4.006	80BTL11	90.40	1215	1¼	2 ¹⁵ / ₃₂ ▲	1½	1.50
12	4.332	80BTL12	96.00	1615	1⅝	3 ▲	1½	1.80
13	4.657	80BTL13	101.00	1615	1⅝	3	1½	2.30
14	4.982	80BTL14	108.00	1615	1⅝	3¼	1½	2.50
15	5.300	80BTL15	110.40	1615	1⅝	3¼	1½	2.70
16	5.627	80BTL16	121.00	2012	2	3⅝	1¼	2.80
17	5.950	80BTL17	133.40	2012	2	3⅝	1¼	3.10
18	6.271	80BTL18	145.60	2012	2	3⅝	1¼	3.60
19	6.593	80BTL19	161.80	2012	2	3⅝	1¼	4.10
20	6.914	80BTL20	186.80	2517	2½	4¼	1¾	5.50
21	7.235	80BTL21	198.80	2517	2½	4¼	1¾	6.00
22	7.555	80BTL22	206.20	2517	2½	4¼	1¾	6.50
23	7.875	80BTL23	210.00	2517	2½	4¼	1¾	7.00
24	8.196	80BTL24	215.20	2517	2½	4¼	1¾	7.50
25	8.516	80BTL25	218.40	2517	2½	4¼	1¾	8.10
26	8.836	80BTL26	222.00	2517	2½	4¼	1¾	8.80
27	9.156	80BTL27	224.80	2517	2½	4¼	1¾	9.00
28	9.475	80BTL28	228.20	2517	2½	4¼	1¾	9.50
30	10.114	80BTL30	235.60	2517	2½	4¼	1¾	11.50
32	10.753	80BTL32	244.20	2517	2½	4¼	1¾	12.00
35	11.711	80BTL35	259.60	2517	2½	4¼	1¾	15.20
36	12.030	80BTL36	268.80	2517	2½	4¼	1¾	17.00
40	13.306	80BTL40	288.00	2517	2½	4¼	1¾	21.00
45	14.901	80BTL45	343.00	2517	2½	4¼	1¾	26.50
48	15.857	80BTL48	389.40	2517	2½	4¼	1¾	29.50
54	17.769	80BTL54	426.60	2517	2½	4¼	1¾	38.50
60	19.681	80BTL60	523.80	2517	2½	4¼	1¾	45.20
70	22.867	80BTL70	691.60	3020	3	5¼	2	52.30
80	26.052	80BTL80	836.20	3020	3	5¼	2	69.20

▲ Has recessed groove in hub for chain clearance
 TAPER-LOCK® is a registered trademark of Rockwell Automation.



TYPE B

CHAIN TECHNICAL DATA

Size	80
Pitch	1"
Inside Width	5/8"
Roller Diameter	.625"

Dimensions are in inches unless otherwise indicated.

80 Double TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
13	4.657	D80ATL13	\$223.40	1615	1 ⁵ / ₈		1 ¹ / ₂	3.30
14	4.982	D80ATL14	225.80	2012	2		1 ¹ / ₄	3.30
15	5.305	D80ATL15	245.20	2012	2		1 ¹ / ₄	4.20
16	5.627	D80ATL16	257.20	2517	2 ¹ / ₂		1 ³ / ₄	4.20
17	5.950	D80ATL17	270.60	2517	2 ¹ / ₂		1 ³ / ₄	4.90
18	6.271	D80ATL18	283.80	2517	2 ¹ / ₂		1 ³ / ₄	6.20
19	6.593	D80BTL19	296.20	3020	3	5	2	5.50
20	6.914	D80BTL20	310.60	3020	3	5 ¹ / ₄	2	7.10
21	7.235	D80BTL21	337.00	3020	3	5 ⁵ / ₁₆	2	8.80
25	8.516	D80BTL25	427.40	3020	3	6 ⁷ / ₈	2	16.30

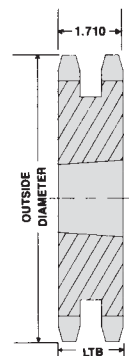
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings				
Bushing	List Price	Bore Range		Wt. Lbs.
1615	\$15.40	1/2	— 1 ⁵ / ₈	1.00
2012	20.00	1/2	— 2	1.40
2517	24.60	1/2	— 2 ¹ / ₂	3.20
3020	37.00	1 ⁵ / ₁₆	— 3	5.80

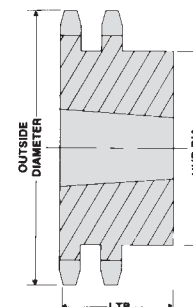
Refer to page 69 for bushing specifications
TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	80
Pitch	1"
Inside Width	5 ⁵ / ₈ "
Roller Diameter	.625"



TYPE A



TYPE B

No. 80 1" Pitch — QD®

Dimensions are in inches unless otherwise indicated.

80 QD® 1" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
11	4.006	80SH11	\$83.80	SH	1 ¹¹ / ₁₆	B	2 ¹¹ / ₁₆	¹³ / ₁₆	1 ³ / ₈	1 ³ / ₈	¹⁹ / ₃₂	2 ¹¹ / ₁₆	1.10
12	4.332	80SH12	92.00	SH	1 ¹¹ / ₁₆	B	2 ³ / ₄	¹³ / ₁₆	1 ³ / ₈	1 ³ / ₈	¹⁹ / ₃₂	2 ¹¹ / ₁₆	1.30
13	4.657	80SDS13	92.00	SDS	2	B	3 ³ / ₁₆	³ / ₄	1 ⁷ / ₁₆	1 ⁷ / ₁₆	⁴³ / ₆₄	3 ³ / ₁₆	1.50
14	4.981	80SDS14	98.80	SDS	2	B	3 ³ / ₈	³ / ₄	1 ⁷ / ₁₆	1 ⁷ / ₁₆	⁴³ / ₆₄	3 ³ / ₁₆	1.80
15	5.304	80SK15	108.60	SK	2 ⁵ / ₈	B	3 ⁷ / ₈	1 ¹ / ₄	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₆₄	3 ⁷ / ₈	2.50
16	5.627	80SK16	113.40	SK	2 ⁵ / ₈	B	4 ¹ / ₈	1 ¹ / ₄	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₆₄	3 ⁷ / ₈	3.20
17	5.949	80SK17	127.80	SK	2 ⁵ / ₈	B	4 ³ / ₈	1 ¹ / ₄	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₆₄	3 ⁷ / ₈	3.90
18	6.271	80SK18	141.20	SK	2 ⁵ / ₈	B	4 ³ / ₈	1 ¹ / ₄	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₆₄	3 ⁷ / ₈	4.40
19	6.593	80SK19	155.80	SK	2 ⁵ / ₈	B	4 ³ / ₈	1 ¹ / ₄	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹⁵ / ₆₄	3 ⁷ / ₈	4.70
20	6.914	80SF20	158.00	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	5.60
21	7.235	80SF21	161.60	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	6.10
22	7.555	80SF22	167.60	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	6.60
23	7.876	80SF23	173.60	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	7.30
24	8.196	80SF24	177.20	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	7.80
25	8.526	80SF25	182.80	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	8.40
26	8.836	80SF26	203.40	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	8.80
27	9.156	80SF27	208.20	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	9.90
28	9.475	80SF28	218.00	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	10.30
30	10.114	80SF30	224.20	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	11.60
32	10.753	80SF32	235.80	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	13.30
33	11.073	80SF33	242.00	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	13.50
34	11.392	80SF34	249.40	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	15.00
35	11.711	80SF35	254.60	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	15.70
36	12.030	80SF36	261.40	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	16.70
40	13.306	80SF40	293.60	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	20.70
42	13.944	80SF42	312.00	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	22.60
45	14.901	80SF45	339.40	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	25.00
48	15.857	80SF48	386.60	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	29.30
54	17.769	80SF54	424.80	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	36.60
60	19.681	80SF60	516.80	SF	2 ¹⁵ / ₁₆	B	5	1 ¹ / ₄	2 ¹ / ₈	2 ¹ / ₈	1 ²³ / ₆₄	4 ⁵ / ₈	45.70

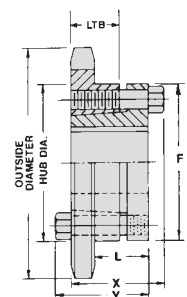
Dimensions are in inches unless otherwise indicated.

QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
SH	\$14.90	½ — 1 ³ / ₈	⁷ / ₁₆ — 1 ⁵ / ₈	1 ¹¹ / ₁₆	.70
SDS	17.30	½ — 1 ¹¹ / ₁₆	³ / ₄ — 1 ¹⁵ / ₁₆	2	1.00
SK	26.80	½ — 2 ¹ / ₈	2 ³ / ₁₆ — 2 ¹ / ₂	2 ⁹ / ₁₆ — 2 ⁵ / ₈	2.10
SF	33.00	½ — 2 ⁵ / ₁₆	2 ³ / ₈ — 2 ¹³ / ₁₆	2 ¹³ / ₁₆ — 2 ¹⁵ / ₁₆	3.10

Refer to page 72 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.

CHAIN TECHNICAL DATA	
Size	80
Pitch	1"
Inside Width	⁵ / ₈ "
Roller Diameter	.625"



TYPE B

Dimensions are in inches unless otherwise indicated.

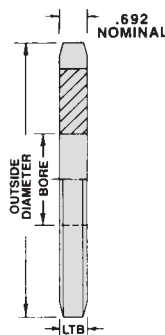
Sprocket Diameters				Type A				Type B, Type C						
1 1/4" Pitch														
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8	3.770	3.266	2.516	100A8	\$58.40	1	1.20	100B8	\$65.20	1	1 1/4	27/16 ▲	1 7/8	2.20
9	4.185	3.655	2.849	100A9	62.80	1	1.60	100B9	88.20	1	1 5/8	2 13/16 ▲	1 7/8	3.00
10	4.598	4.045	3.295	100A10	67.60	1	1.90	100B10	96.80	1	1 7/8	3 1/4 ▲	1 7/8	4.10
11	5.008	4.438	3.642	100A11	68.40	1	2.60	100B11	112.40	1	2 1/4	3 9/16 ▲	1 7/8	5.10
12	5.415	4.830	4.080	100A12	68.40	1	2.90	100B12	121.40	1	2 1/4	4 ▲	1 7/8	6.40
13	5.821	5.224	4.435	100A13	68.40	1	3.50	100B13	130.60	1	2 3/8	3 7/8	1 5/8	6.40
14	6.226	5.618	4.868	100A14	70.00	1 1/4	4.00	100B14	140.80	1 1/4	2 3/4	4 3/16	1 5/8	7.50
15	6.630	6.013	5.229	100A15	72.40	1 1/4	4.70	100B15	158.20	1 1/4	2 15/16	4 1/2	1 3/4	9.00
16	7.034	6.408	5.658	100A16	77.60	1 1/4	5.30	100B16	175.60	1 1/4	3	4 1/2	1 3/4	9.80
17	7.436	6.803	6.024	100A17	84.40	1 1/4	6.10	100B17	193.40	1 1/4	3	4 1/2	1 3/4	10.50
18	7.839	7.199	6.449	100A18	89.60	1 1/4	7.20	100B18	201.00	1 1/4	3	4 1/2	1 3/4	11.40
19	8.241	7.595	6.819	100A19	97.40	1 1/4	7.80	100B19	209.80	1 1/4	3	4 1/2	2	13.40
20	8.643	7.990	7.240	100A20	104.60	1 1/4	8.60	100B20	222.20	1 1/4	3	4 1/2	2	14.20
21	9.044	8.388	7.613	100A21	114.80	1 1/4	9.40	100B21	228.00	1 1/4	3	4 1/2	2	15.10
22	9.444	8.784	8.034	100A22	126.40	1 1/4	10.40	100B22	240.20	1 1/4	3	4 1/2	2	15.90
23	9.845	9.180	8.409	100A23	134.40	1 1/4	11.70	100B23	247.80	1 1/4	3	4 1/2	2	17.30
24	10.245	9.576	8.826	100A24	143.20	1 1/4	12.50	100B24	255.60	1 1/4	3	4 1/2	2	18.00
25	10.645	9.974	9.204	100A25	149.40	1 1/4	13.40	100B25	263.20	1 1/4	3	4 1/2	2	18.90
26	11.045	10.370	9.620	100A26	154.80	1 3/8	14.70	100B26	274.80	1 3/8	3 15/16	5	2	21.50
27	11.445	10.768	9.999	100A27	196.80	1 3/8	15.80	100B27	287.40	1 3/8	3 15/16	5	2	23.00
28	11.844	11.164	10.414	100A28	196.80	1 3/8	17.20	100B28	300.40	1 3/8	3 15/16	5	2	24.40
30	12.643	11.959	11.209	100A30	197.20	1 3/8	20.30	100B30	315.80	1 3/8	3 15/16	5	2	26.30
32	13.441	12.753	12.003	100A32	224.20	1 3/8	22.60	100B32	338.00	1 3/8	3 15/16	5	2	29.80
35	14.639	13.945	13.181	100A35	263.20	1 3/8	27.40	100B35	368.80	1 3/8	3 15/16	5	2 1/2	37.50
36	15.038	14.343	13.593	100A36	282.60	1 3/8	28.30	100B36	380.40	1 3/8	3 15/16	5	2 1/2	38.70
40	16.633	15.933	15.183	100A40	348.20	1 3/8	36.20	100B40	448.40	1 3/8	3 15/16	5	2 1/2	45.10
42	17.430	16.728	15.978	100A42	371.20	1 3/8	40.00	100B42	495.20	1 3/8	3 15/16	5	2 1/2	47.80
45	18.626	17.920	17.159	100A45	433.00	1 3/8	45.50	100B45	531.40	1 3/8	3 15/16	5	2 1/2	56.20
48	19.821	19.113	18.363	100A48	479.80	1 3/8	52.00	100B48	584.80	1 3/8	4 1/8	6 1/4	2 3/4	67.00
54	22.211	21.498	20.748	100A54	572.40	1 3/8	67.00	100C54	688.00	1 3/8	4 1/8	6 1/4	3 1/4	90.00
60	24.601	23.884	23.134	100A60	677.40	1 3/8	81.00	100C60	796.60	1 3/8	4 1/8	6 1/4	3 1/4	107.00
70	28.584	27.861	27.111	100A70	855.40	1 3/8	108.00	100C70	997.60	1 3/8	5 1/4	7	3 3/4	138.00
72	29.380	28.657	27.908	100A72	959.00	1 3/8	120.00	100C72	1,074.80	1 3/8	5 1/4	7	3 3/4	151.00
80	32.565	31.839	31.089	100A80	1,198.60	1 3/8	149.00	100C80	1,265.80	1 3/8	5 1/4	7	3 3/4	180.00
84	34.158	33.430	32.680	100A84	1,245.00	1 3/8	165.00	100C84	1,299.00	1 3/8	5 1/4	7	3 3/4	195.00
90	36.545	35.817	35.068	100A90	1,584.40	1 3/8	191.00	100C90	1,714.20	1 3/8	5 1/4	7	3 3/4	225.00
96	38.934	38.204	37.454	100A96	1,762.80	1 3/8	212.00	100C96	1,894.40	1 3/8	5 1/4	7	4 1/2	260.00

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

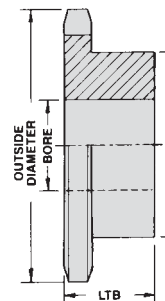
▲ Has recessed groove in hub for chain clearance † Dimensions shown allow for standard keyway with set screw at 90° ★ Hub diameter may vary to suit bore sizes

CHAIN TECHNICAL DATA

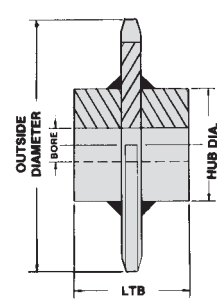
Size	100
Pitch	1 1/4"
Inside Width	3/4"
Roller Diameter	.750"



TYPE A



TYPE B



TYPE C

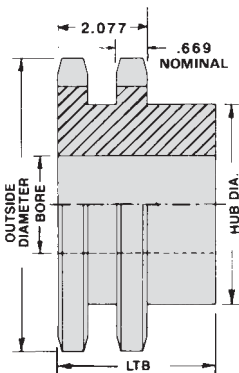
No. 100

1 1/4" Pitch — Multiple Strand

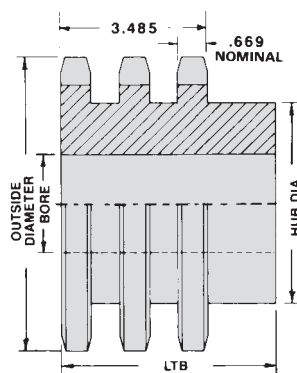
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			100-2 Double Strand						100-3 Triple Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
9	4.185	1	D100B9	\$216.60	2 ⁵ / ₁₆	2 ⁷ / ₈	1 ¹ / ₂	4.40						
10	4.598	1	D100B10	232.00	2 ¹¹ / ₁₆	2 ⁷ / ₈	1 ³ / ₄	6.00						
11	5.008	1	D100B11	253.60	3 ¹ / ₈	2 ⁷ / ₈	2 ¹ / ₈	7.80						
12	5.415	1 ¹ / ₈	D100B12	276.80	3 ³ / ₈	2 ⁷ / ₈	2 ¹ / ₄	9.30						
13	5.821	1 ¹ / ₈	D100B13	303.20	3 ³ / ₄	2 ⁷ / ₈	2 ¹ / ₂	11.30	T100B13	\$403.60	3 ³ / ₄	4 ¹ / ₄	2 ¹ / ₂	16.70
14	6.226	1 ¹ / ₈	D100B14	331.20	4 ³ / ₁₆	2 ⁷ / ₈	2 ³ / ₄	13.60	T100B14	456.20	4 ³ / ₁₆	4 ¹ / ₄	2 ³ / ₄	20.20
15	6.630	1 ¹ / ₄	D100B15	363.20	4 ⁹ / ₁₆	3 ¹ / ₈	3 ¹ / ₈	16.80	T100B15	504.40	4 ⁹ / ₁₆	4 ¹ / ₂	3 ¹ / ₈	27.50
16	7.034	1 ¹ / ₄	D100B16	391.60	5	3 ¹ / ₈	3 ⁵ / ₁₆	19.70	T100B16	535.20	5	4 ¹ / ₂	3 ⁵ / ₁₆	32.00
17	7.436	1 ¹ / ₄	D100B17	421.00	5 ¹ / ₄	3 ¹ / ₈	3 ¹ / ₂	22.50	T100B17	569.40	5 ¹ / ₄	4 ¹ / ₂	3 ¹ / ₂	36.30
18	7.839	1 ¹ / ₄	D100B18	516.80	5 ¹ / ₄	3 ¹ / ₈	3 ¹ / ₂	24.80	T100B18	781.00	5 ¹ / ₄	4 ³ / ₄	3 ¹ / ₂	41.80
19	8.241	1 ¹ / ₄	D100B19	581.40	5 ¹ / ₂	3 ¹ / ₈	3 ³ / ₄	29.40	T100B19	903.20	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	46.50
20	8.643	1 ¹ / ₄	D100B20	637.40	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	32.00	T100B20	1,019.40	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	51.00
21	9.044	1 ¹ / ₄	D100B21	692.80	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	34.80	T100B21	1,133.60	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	55.80
22	9.444	1 ¹ / ₄	D100B22	704.40	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	37.20	T100B22	1,191.00	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	60.80
23	9.845	1 ¹ / ₄	D100B23	731.00	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	40.30	T100B23	1,237.20	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	66.00
24	10.245	1 ¹ / ₄	D100B24	737.80	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	43.40	T100B24	1,268.20	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	71.60
25	10.645	1 ¹ / ₄	D100B25	814.80	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	46.70	T100B25	1,317.80	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	77.30
26	11.045	1 ¹ / ₄	D100B26	859.60	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	50.20	T100B26	1,345.20	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	83.20
30	12.643	1 ¹ / ₄	D100B30	1,075.20	5 ¹ / ₂	3 ³ / ₈	3 ³ / ₄	65.40	T100B30	1,663.40	5 ¹ / ₂	4 ³ / ₄	3 ³ / ₄	109.70

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



TYPE B



TYPE B

CHAIN TECHNICAL DATA

Size	100-2, 100-3
Pitch	1 1/4"
Inside Width	3/4"
Roller Diameter	.750"

Dimensions are in inches unless otherwise indicated.

100 Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
11	5.007	100BTL11	\$129.40	1615	1 5/8	3	1 1/2	2.70
12	5.415	100BTL12	143.80	1615	1 5/8	3 1/4	1 1/2	3.50
13	5.821	100BTL13	158.00	2012	2	3 9/16	1 1/4	3.60
14	6.227	100BTL14	182.20	2012	2	3 9/16	1 1/4	3.90
15	6.631	100BTL15	218.80	2517	2 1/2	4 1/4	1 3/4	5.00
16	7.034	100BTL16	231.80	2517	2 1/2	4 1/2	1 3/4	6.40
17	7.437	100BTL17	242.40	2517	2 1/2	4 1/2	1 3/4	7.10
18	7.839	100BTL18	249.00	2517	2 1/2	4 1/2	1 3/4	7.80
19	8.241	100BTL19	259.60	2517	2 1/2	4 1/2	1 3/4	8.70
20	8.642	100BTL20	278.20	2517	2 1/2	4 1/2	1 3/4	9.60
21	9.043	100BTL21	286.00	2517	2 1/2	4 1/2	1 3/4	10.60
22	9.444	100BTL22	292.40	2517	2 1/2	4 1/2	1 3/4	11.00
24	10.245	100BTL24	305.60	2517	2 1/2	4 1/2	1 3/4	13.00
26	11.045	100BTL26	324.00	2517	2 1/2	4 1/2	1 3/4	15.00
28	11.844	100BTL28	352.40	3020	3	5 1/4	2	16.50
30	12.643	100BTL30	387.60	3020	3	5 1/4	2	22.00
32	13.442	100BTL32	408.00	3020	3	5 1/4	2	23.00
35	14.639	100BTL35	449.60	3020	3	5 1/4	2	28.00
36	15.038	100BTL36	462.20	3020	3	5 1/4	2	31.00
40	16.633	100BTL40	532.20	3020	3	5 1/4	2	37.00
45	18.626	100BTL45	635.20	3020	3	5 1/4	2	46.00
48	19.821	100BTL48	695.40	3020	3	5 1/4	2	53.00
54	22.212	100BTL54	832.20	3020	3	5 1/4	2	62.00
60	24.601	100BTL60	941.40	3020	3	5 1/4	2	72.00

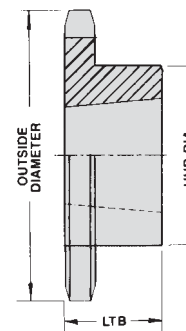
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings			
Bushing	List Price	Bore Range	Wt. Lbs.
1615	\$15.40	1/2 — 1 5/8	1.00
2012	20.00	1/2 — 2	1.40
2517	24.60	1/2 — 2 1/2	3.20
3020	37.00	15/16 — 3	5.80

Refer to page 69 for bushing specifications
TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	100
Pitch	1 1/4"
Inside Width	3/4"
Roller Diameter	.750"



TYPE B

No. 100

1 1/4" Pitch — QD®

Dimensions are in inches unless otherwise indicated.

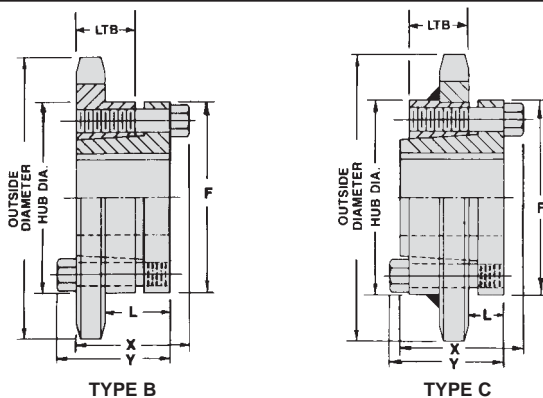
100 QD® 1 1/4" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
11	5.008	100SDS11	\$141.80	SDS	2	B	3 3/16	3/4	1 7/16	1 7/16	9/16	3 3/16	1.90
12	5.415	100SDS12	166.80	SDS	2	B	3 1/2	3/4	1 7/16	1 7/16	9/16	3 3/16	2.40
13	5.821	100SK13	178.40	SK	2 5/8	B	3 15/16	1 1/4	2 1/16	2 1/16	1 9/64	3 7/8	3.30
14	6.226	100SK14	210.20	SK	2 5/8	B	4 1/4	1 1/4	2 1/16	2 1/16	1 9/64	3 7/8	4.20
15	6.630	100SF15	224.20	SF	2 15/16	B	4 5/8	1 1/4	2 1/8	2 1/8	1 15/64	4 5/8	4.80
16	7.034	100SF16	229.00	SF	2 15/16	B	5	1 1/4	2 1/8	2 1/8	1 15/64	4 5/8	5.90
17	7.436	100SF17	236.20	SF	2 15/16	B	5	1 1/4	2 1/8	2 1/8	1 15/64	4 5/8	6.60
18	7.839	100E18	244.80	E	3 1/2	B	5 15/16	1 5/8	2 5/8	2 15/16	1 13/16	6	8.90
19	8.241	100E19	245.80	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	9.90
20	8.643	100E20	250.60	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	11.40
21	9.044	100E21	250.60	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	12.50
22	9.444	100E22	253.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	13.30
24	10.245	100E24	258.00	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	16.10
28	11.844	100E28	307.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	19.90
30	12.643	100E30	330.80	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	24.10
32	13.441	100E32	359.60	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	26.00
35	14.639	100E35	419.00	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	29.40
36	15.038	100E36	436.40	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	31.70
40	16.633	100E40	533.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	38.20
42	17.430	100E42	604.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	41.80
45	18.626	100E45	629.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	48.40
48	19.821	100E48	693.80	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 13/16	6	56.00
54	22.211	100E54	816.80	E	3 1/2	C	6 1/4	1 5/8	2 5/8	2 15/16	7/8	6	69.00
60	24.601	100E60	909.00	E	3 1/2	C	6 1/4	1 5/8	2 5/8	2 15/16	7/8	6	86.00

Dimensions are in inches unless otherwise indicated.

QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
SDS	\$17.30	1/2 — 1 11/16	1 3/4 — 1 15/16	2	1.00
SK	26.80	1/2 — 2 1/8	2 3/16 — 2 1/2	2 9/16 — 2 5/8	2.10
SF	33.00	1/2 — 2 1/4	2 5/16 — 2 3/4	2 13/16 — 2 15/16	3.10
E	69.20	7/8 — 2 3/4	2 13/16 — 3 7/16	3 1/2	7.10

Refer to page 72 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.



CHAIN TECHNICAL DATA	
Size	100
Pitch	1 1/4"
Inside Width	3/4"
Roller Diameter	.750"

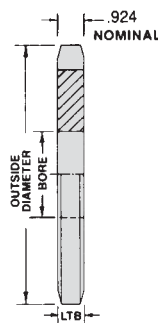
Dimensions are in inches unless otherwise indicated.

Sprocket Diameters 1 1/2" Pitch				Type A				Type B, Type C						
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	*Hub Dia.	LTB	Wt. Lbs.
9	5.022	4.386	3.444	120A9	\$124.80	1/4	3.00	120B9	\$162.40	1/4	2 ¹³ / ₁₆	3/8 ▲	2 1/4	5.20
10	5.517	4.854	3.979	120A10	130.20	1/4	3.80	120B10	178.00	1/4	2 1/4	3/4 ▲	2 1/4	7.00
11	6.009	5.325	4.395	120A11	140.40	1/4	4.90	120B11	196.80	1/4	2 3/8	3 9/16	2 1/8	7.70
12	6.498	5.796	4.921	120A12	148.60	1/4	5.80	120B12	222.80	1/4	2 3/4	4 1/8	2 1/8	9.80
13	6.986	6.269	5.347	120A13	157.20	1/4	6.70	120B13	249.40	1/4	3	4 9/16	2 1/4	12.60
14	7.472	6.741	5.866	120A14	166.40	1/4	8.10	120B14	274.80	1/4	3 1/4	4 3/4	2 1/4	14.30
15	7.956	7.215	6.300	120A15	178.00	1/4	9.40	120B15	301.80	1/4	3 3/4	4 3/4	2 1/4	15.60
16	8.441	7.689	6.814	120A16	185.60	1/2	10.50	120B16	324.00	1/2	3 1/2	5 1/4	2 3/8	18.90
17	8.924	8.163	7.254	120A17	197.20	1/2	11.70	120B17	346.60	1/2	3 1/2	5 1/4	2 3/8	20.30
18	9.407	8.639	7.764	120A18	208.80	1/2	13.70	120B18	366.40	1/2	3 1/2	5 1/4	2 3/8	21.70
19	9.890	9.114	8.207	120A19	220.40	1/2	15.30	120B19	385.20	1/2	3 1/2	5 1/4	2 3/8	23.70
20	10.371	9.588	8.713	120A20	232.00	1/2	16.80	120B20	400.60	1/2	3 1/2	5 1/4	2 3/8	25.30
21	10.853	10.065	9.161	120A21	244.00	1/2	18.50	120B21	422.40	1/2	3 1/2	5 1/4	2 3/8	27.00
22	11.333	10.541	9.666	120A22	259.40	1/2	20.30	120B22	446.60	1/2	3 1/2	5 1/4	2 3/8	28.80
23	11.814	11.016	10.115	120A23	274.80	1/2	22.10	120B23	470.20	1/2	3 1/2	5 1/4	2 3/8	30.60
24	12.294	11.492	10.617	120A24	290.20	1/2	24.50	120B24	485.60	1/2	3 1/2	5 1/4	2 3/8	33.50
25	12.774	11.969	11.070	120A25	300.80	1/2	26.60	120B25	501.00	1/2	3 1/2	5 1/4	2 3/8	35.60
26	13.254	12.444	11.569	120A26	321.20	1/2	28.50	120B26	510.60	1/2	4 1/8	6 1/4	2 1/2	41.80
27	13.734	12.921	12.024	120A27	363.60	1/2	31.20	120B27	528.00	1/2	4 1/8	6 1/4	2 1/2	45.00
28	14.213	13.397	12.522	120A28	371.20	1/2	34.00	120B28	549.20	1/2	4 1/8	6 1/4	2 1/2	47.50
30	15.171	14.351	13.476	120A30	386.60	1/2	38.40	120B30	587.80	1/2	4 1/8	6 1/4	2 1/2	51.50
32	16.130	15.303	14.428	120A32	463.80	1/2	43.40	120B32	626.40	1/2	4 1/8	6 1/4	2 1/2	57.00
35	17.567	16.734	15.842	120A35	495.20	1/2	53.90	120B35	664.80	1/2	4 1/8	6 1/4	2 1/2	67.00
36	18.045	17.211	16.336	120A36	514.40	1/2	56.60	120B36	688.00	1/2	4 1/8	6 1/4	2 1/2	70.00
40	19.959	19.119	18.244	120A40	599.40	1/2	72.00	120C40	773.40	1/2	4 1/8	6 1/4	3 3/4	102.00
42	20.916	20.073	19.198	120A42	696.20	1/2	76.00	120C42	850.60	1/2	4 1/8	6 1/4	3 3/4	114.00
45	22.352	21.504	20.615	120A45	727.20	1/2	88.00	120C45	893.00	1/2	4 1/8	6 1/4	3 3/4	127.00
48	23.786	22.935	22.060	120A48	773.40	1/2	100.00	120C48	966.80	1/2	4 1/8	6 1/4	3 3/4	141.00
54	26.654	25.797	24.922	120A54	1,005.40	1/2	126.00							
60	29.522	28.661	27.786	120A60	1,205.40	1/2	158.00							
70	34.301	33.434	32.559	120A70	1,639.40	1/2	213.00							
80	39.078	38.207	37.332	120A80	2,037.20	1/2	277.00							

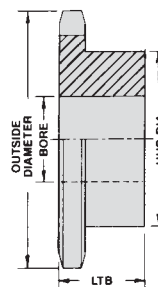
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

- ▲ 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

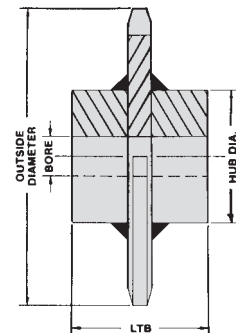
CHAIN TECHNICAL DATA	
Size	120
Pitch	1 1/2"
Inside Width	1"
Roller Diameter	.875"



TYPE A



TYPE B



TYPE C

No. 120

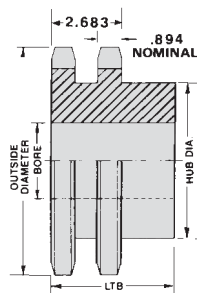
1 1/2" Pitch — Multiple Strand

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			120-2 Double Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
11	6.009	1 1/2	D120B11	\$603.20	3 9/16	3 3/4	2 3/8	13.50
12	6.498	1 1/2	D120B12	634.00	2 3/4	3 3/4	2 1/2	17.00
13	6.986	1 1/2	D120B13	680.40	3	3 3/4	2 15/16	20.90
14	7.472	1 1/2	D120B14	727.20	3 5/8	3 3/4	3 1/8	25.20
15	7.956	1 1/2	D120B15	758.00	3 5/8	3 3/4	3 1/4	29.90
16	8.441	1 1/2	D120B16	788.80	3 1/2	3 3/4	3 1/4	33.00
17	8.924	1 1/2	D120B17	835.20	3 1/2	3 3/4	3 1/4	37.10
18	9.407	1 1/2	D120B18	912.20	3 1/2	3 3/4	3 1/4	41.00
19	9.890	1 1/2	D120B19	974.40	3 1/2	3 3/4	3 1/4	45.60
20	10.371	1 1/2	D120B20	1,020.80	3 1/2	3 3/4	3 1/4	50.40
21	10.853	1 1/2	D120B21	1,082.40	3 1/2	3 3/4	3 1/4	55.50
22	11.333	1 1/2	D120B22	1,160.00	3 1/2	3 3/4	3 1/4	60.90
23	11.814	1 1/2	D120B23	1,299.00	6 1/4	4	4 1/4	71.30
24	12.294	1 1/2	D120B24	1,329.80	6 1/4	4	4 1/4	77.20
25	12.777	1 1/2	D120B25	1,392.00	6 1/4	4	4 1/4	83.40
26	13.254	1 1/2	D120B26	1,407.40	6 1/4	4	4 1/4	89.90
30	15.171	1 1/2	D120B30	1,540.60	6 1/4	4	4 1/4	118.50

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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



TYPE B

CHAIN TECHNICAL DATA

Size	120-2
Pitch	1 1/2"
Inside Width	1"
Roller Diameter	.875"

Dimensions are in inches unless otherwise indicated.

120 Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
35	17.566	120BTL35	\$852.00	3020	3	5 1/4	2	52.00
36	18.045	120BTL36	881.60	3020	3	5 1/4	2	54.00
45	22.351	120CTL45	1,049.60	3535	3 15/16	6 1/2	3 1/2	82.00
60	29.522	120CTL60	1,393.00	3535	3 15/16	6 1/2	3 1/2	140.00
70	34.301	120CTL70	1,808.00	3535	3 15/16	6 1/2	3 1/2	175.00
80	39.078	120CTL80	2,266.80	3535	3 15/16	6 1/2	3 1/2	220.00

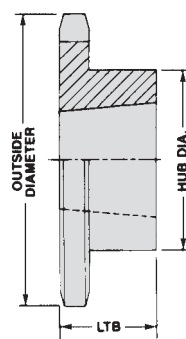
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings			
Bushing	List Price	Bore Range	Wt. Lbs.
3020	\$37.00	1 5/16 — 3	5.80
3535	76.00	1 3/16 — 3 15/16	11.00

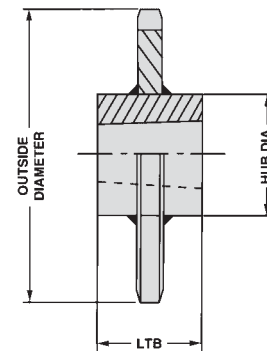
Refer to page 69 for bushing specifications
TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	120
Pitch	1 1/2"
Inside Width	1"
Roller Diameter	.875"



TYPE B



TYPE C

No. 120

1 1/2" Pitch — QD®

Dimensions are in inches unless otherwise indicated.

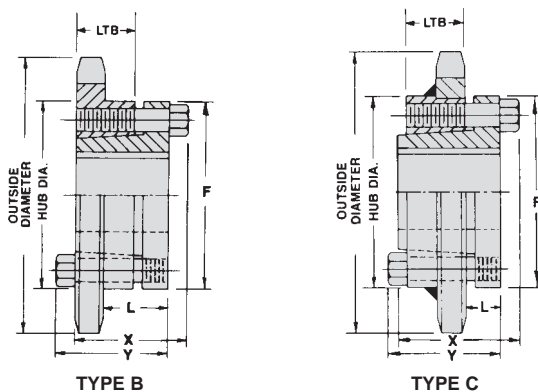
120 QD® 1 1/2" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
12	6.498	120SF12	\$265.20	SF	2 15/16	B	4 3/8	1 1/4	2 3/16	2 3/16	1 1/64	4 5/8	4.60
13	6.986	120SF13	302.80	SF	2 15/16	B	4 5/8	1 1/4	2 3/16	2 3/16	1 1/64	4 5/8	5.90
14	7.472	120SF14	332.20	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 1/64	4 5/8	7.30
15	7.956	120SF15	370.40	SF	2 15/16	B	5	1 1/4	2 3/16	2 3/16	1 1/16	4 5/8	8.10
16	8.441	120E16	373.80	E	3 1/2	B	6 1/8	1 5/8	2 5/8	2 15/16	1 9/16	6	10.90
17	8.924	120E17	383.40	E	3 1/2	B	6 1/8	1 5/8	2 5/8	2 15/16	1 9/16	6	12.10
18	9.407	120E18	389.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	14.70
19	9.890	120E19	419.00	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	15.80
20	10.371	120E20	453.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	18.80
21	10.853	120E21	472.60	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	19.30
22	11.333	120E22	486.00	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	21.80
23	11.814	120E23	500.00	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	23.30
24	12.294	120E24	508.60	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	25.70
25	12.774	120E25	538.60	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	27.20
26	13.254	120E26	576.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	30.30
28	14.213	120E28	623.40	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	35.20
30	15.171	120E30	673.20	E	3 1/2	B	6 1/4	1 5/8	2 5/8	2 15/16	1 9/16	6	39.30
32	16.130	120F32	699.20	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	50.90
35	17.567	120F35	736.20	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	63.20
36	18.045	120F36	759.00	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	65.00
40	19.959	120F40	806.60	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	77.00
42	20.916	120F42	860.20	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	90.00
45	22.352	120F45	943.20	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	95.00
48	23.786	120F48	1,113.40	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	109.00
54	26.654	120F54	1,266.60	F	4	C	7	2 1/2	3 5/8	4	1	6 5/8	135.00
60	29.522	120J60	1,434.40	J	4 1/2	C	8	3 3/16	4 1/2	5	1 3/16	7 1/4	172.00

Dimensions are in inches unless otherwise indicated.

QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
SF	\$33.00	1/2 — 2 1/4	2 5/16 — 2 3/4	2 13/16 — 2 15/16	3.10
E	69.20	7/8 — 2 3/4	2 13/16 — 3 1/16	3 1/2	7.10
F	124.00	1 — 3 1/4	3 5/16 — 3 15/16	4	8.70
J	154.00	1 7/16 — 3 3/4	3 13/16 — 4 1/2	—	16.80

Refer to page 72 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.



CHAIN TECHNICAL DATA	
Size	120
Pitch	1 1/2"
Inside Width	1"
Roller Diameter	.875"

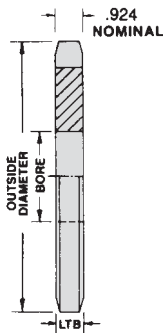
Dimensions are in inches unless otherwise indicated.

Sprocket Diameters				Type A				Type B, Type C						
1 3/4" Pitch				Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	*Hub Dia.	LTB	Wt. Lbs.
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter											
11	7.011	6.213	5.148	140A11	\$160.00	1 3/8	6.60	140B11	\$298.00	1 3/8	2 3/4	4 1/4	2 1/4	10.70
12	7.581	6.762	5.762	140A12	170.20	1 3/8	7.80	140B12	330.40	1 3/8	3	4 1/2	2 1/4	13.30
13	8.150	7.313	6.259	140A13	184.20	1 3/8	9.50	140B13	363.60	1 3/8	3 3/4	5 1/4	2 3/8	17.90
14	8.717	7.865	6.865	140A14	199.60	1 3/8	10.80	140B14	395.80	1 3/8	3 3/4	5 1/4	2 3/8	18.90
15	9.282	8.418	7.371	140A15	213.60	1 3/8	12.60	140B15	427.60	1 3/8	4 1/4	6 1/4	2 1/2	25.80
16	9.847	8.971	7.971	140A16	228.00	1 3/8	14.40	140B16	444.60	1 3/8	4 1/4	6 1/4	2 1/2	27.60
17	10.411	9.524	8.483	140A17	244.00	1 3/8	16.60	140B17	463.80	1 3/8	4 1/4	6 1/4	2 1/2	29.80
18	10.974	10.078	9.078	140A18	259.40	1 3/8	18.20	140B18	479.80	1 3/8	4 1/4	6 1/4	2 1/2	32.30
19	11.538	10.633	9.596	140A19	279.60	1 3/8	20.60	140B19	510.60	1 3/8	4 1/4	6 1/4	2 1/2	34.20
20	12.100	11.186	10.186	140A20	294.20	1 3/8	23.20	140B20	533.80	1 3/8	4 1/4	6 1/4	2 1/2	36.50
21	12.661	11.743	10.709	140A21	312.40	1 3/8	25.90	140B21	545.80	1 3/8	4 1/4	6 1/4	2 1/2	38.70
22	13.221	12.297	11.297	140A22	336.60	1 3/8	28.00	140B22	559.40	1 3/8	4 1/4	6 1/4	2 1/2	41.10
23	13.783	12.852	11.822	140A23	359.60	1 3/8	31.20	140B23	573.80	1 3/8	4 1/4	6 1/4	2 1/2	44.30
24	14.343	13.407	12.407	140A24	382.80	1 3/8	33.50	140B24	590.60	1 3/8	4 1/4	6 1/4	2 1/2	47.80
25	14.903	13.963	12.935	140A25	393.00	1 3/8	37.10	140B25	607.60	1 3/8	4 1/4	6 1/4	2 1/2	49.80
26	15.463	14.518	13.518	140A26	413.20	1 3/8	38.90	140B26	624.40	1 3/8	4 1/4	6 1/4	3	55.70
28	16.581	15.629	14.629	140A28	479.80	1 3/8	46.20	140B28	657.20	1 3/8	4 1/4	6 1/4	3	62.70
30	17.700	16.742	15.742	140A30	505.80	1 3/8	53.50	140B30	680.40	1 3/8	4 1/4	6 1/4	3	70.00
32	18.818	17.854	16.854	140A32	603.20	1 3/8	59.20	140B32	711.80	1 3/8	4 1/4	6 1/4	3	79.00
35	20.494	19.523	18.503	140A35	631.20	1 3/8	71.00	140C35	839.00	1 3/8	5 1/4	7	4	109.00
36	21.053	20.080	19.080	140A36	657.20	1 3/8	76.00	140C36	954.40	1 3/8	5 1/4	7	4	115.00
40	23.286	22.306	21.306	140A40	781.00	1 3/8	95.00	140C40	1,074.80	1 3/8	5 1/4	7	4	133.00
45	26.077	25.088	24.072	140A45	974.40	1 3/8	122.00							
48	27.750	26.758	25.758	140A48	1,113.80	1 3/8	138.00							
54	31.096	30.097	29.097	140A54	1,400.60	1 3/8	181.00							
60	34.442	33.437	32.437	140A60	1,699.60	1 3/8	216.00							
70	40.017	39.006	38.006	140A70	2,213.20	1 3/8	290.00							
80	45.591	44.574	43.574	140A80	2,753.20	1 3/8	399.00							

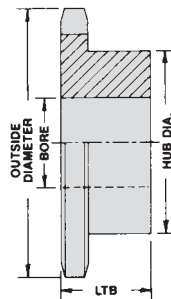
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

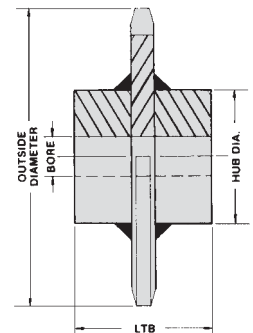
CHAIN TECHNICAL DATA	
Size	140
Pitch	1 3/4"
Inside Width	1"
Roller Diameter	1.000"



TYPE A



TYPE B



TYPE C

No. 140

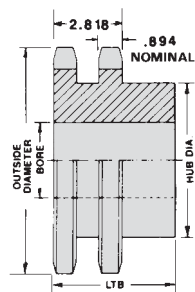
1 3/4" Pitch — Multiple Strand

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			140-2 Double Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
13	8.150	1 1/2	D140B13	\$711.80	5 5/16	3 3/4	3 1/2	28.80
14	8.717	1 1/2	D140B14	758.00	5 7/8	3 3/4	4	34.70
15	9.282	1 1/2	D140B15	912.20	6 1/4	3 3/4	4 1/4	40.50
16	9.847	1 1/2	D140B16	974.40	6 1/4	4	4 1/4	47.90
17	10.411	1 1/2	D140B17	1,020.80	6 1/4	4	4 1/4	52.50
18	10.974	1 5/8	D140B18	1,144.20	7	4	4 3/4	60.80
19	11.538	1 5/8	D140B19	1,206.40	7	4	4 3/4	67.20
20	12.100	1 5/8	D140B20	1,314.00	7	4	4 3/4	74.00
21	12.661	1 5/8	D140B21	1,424.80	7	4	4 3/4	81.30
22	13.221	1 5/8	D140B22	1,444.20	7	4	4 3/4	93.70
23	13.783	1 5/8	D140B23	1,487.60	7	4	4 3/4	100.60
24	14.343	1 5/8	D140B24	1,571.80	7	4	4 3/4	105.10
25	14.903	1 5/8	D140B25	1,612.80	7	4	4 3/4	120.90
26	15.463	1 5/8	D140B26	1,656.20	7	4	4 3/4	127.10
30	17.700	1 5/8	D140B30	1,855.60	7	4	4 3/4	163.50

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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



TYPE B

CHAIN TECHNICAL DATA

Size	140-2
Pitch	1 3/4"
Inside Width	1"
Roller Diameter	1.000"

Dimensions are in inches unless otherwise indicated.

Type B TAPER-LOCK®								
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
35	20.494	140CTL35	\$1,046.20	3535	3 15/16	6 1/2	3 1/2	78.00
36	21.053	140CTL36	1,193.00	3535	3 15/16	6 1/2	3 1/2	83.00
45	26.076	140CTL45	1,329.60	4040	4 7/16	7 3/4	4	118.00
60	34.442	140CTL60	1,856.20	4040	4 7/16	7 3/4	4	188.00
70	40.017	140CTL70	2,524.20	4040	4 7/16	7 3/4	4	241.00

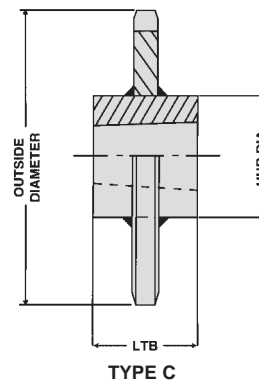
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings				
Bushing	List Price	Bore Range		Wt. Lbs.
3535	\$76.00	1 3/16	— 3 15/16	11.00
4040	122.00	2 3/16	— 4 7/16	17.00

Refer to page 69 for bushing specifications
TAPER-LOCK® is a registered trademark of Rockwell Automation.

CHAIN TECHNICAL DATA

Size	140
Pitch	1 3/4"
Inside Width	1"
Roller Diameter	1.000"



No. 140

1 3/4" Pitch — QD®

Dimensions are in inches unless otherwise indicated.

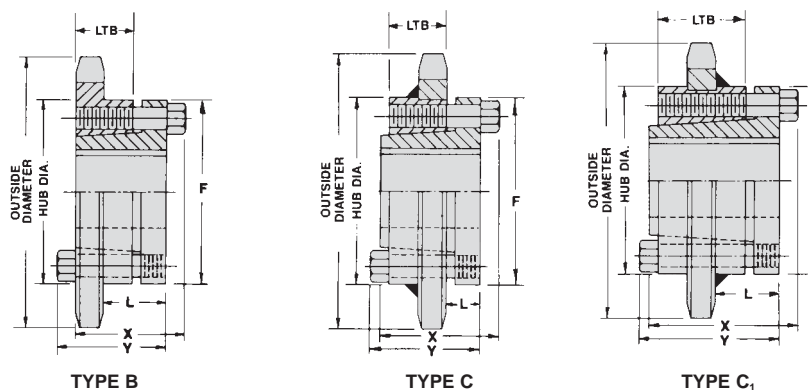
140 QD® 1 3/4" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
11	7.011	140SF11	\$321.20	SF	2 ¹⁵ / ₁₆	B	4 ⁷ / ₁₆	1 1/4	2 ³ / ₁₆	2 ³ / ₁₆	1 1/64	4 ⁵ / ₈	5.50
12	7.581	140SF12	384.80	SF	2 ¹⁵ / ₁₆	B	4 ⁷ / ₈	1 1/4	2 ³ / ₁₆	2 ³ / ₁₆	1 1/64	4 ⁵ / ₈	7.20
13	8.150	140SF13	403.60	SF	2 ¹⁵ / ₁₆	B	5	1 1/4	2 ³ / ₁₆	2 ³ / ₁₆	1 1/64	4 ⁵ / ₈	8.90
14	8.717	140E14	419.00	E	3 1/2	B	6 1/8	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	11.60
15	9.282	140E15	441.80	E	3 1/2	B	6 1/8	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	13.40
16	9.847	140E16	471.60	E	3 1/2	B	6 1/4	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	15.50
17	10.411	140E17	494.20	E	3 1/2	B	6 1/4	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	17.50
18	10.974	140E18	516.40	E	3 1/2	B	6 1/4	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	20.30
19	11.538	140E19	545.40	E	3 1/2	B	6 1/4	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	21.00
20	12.100	140E20	607.60	E	3 1/2	B	6 1/4	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	24.40
21	12.661	140E21	617.20	E	3 1/2	B	6 1/4	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	27.20
22	13.221	140E22	641.40	E	3 1/2	B	6 1/4	1 5/8	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ⁹ / ₁₆	6	29.40
23	13.783	140F23	646.20	F	4	B	7	2 1/2	3 ⁵ / ₈	4	2 ⁹ / ₁₆	6 ⁵ / ₈	36.90
24	14.343	140F24	663.00	F	4	B	7	2 1/2	3 ⁵ / ₈	4	2 ⁹ / ₁₆	6 ⁵ / ₈	41.10
25	14.903	140F25	679.80	F	4	B	7	2 1/2	3 ⁵ / ₈	4	2 ⁹ / ₁₆	6 ⁵ / ₈	42.60
26	15.463	140F26	699.20	F	4	B	7	2 1/2	3 ⁵ / ₈	4	2 ⁹ / ₁₆	6 ⁵ / ₈	46.70
30	17.700	140F30	826.00	F	4	B	7	2 1/2	3 ⁵ / ₈	4	2 ⁹ / ₁₆	6 ⁵ / ₈	50.60
35	20.494	140F35	1,005.80	F	4	C	7	2 1/2	3 ⁵ / ₈	4	1	6 ⁵ / ₈	75.00
36	21.053	140F36	1,065.20	F	4	C	7	2 1/2	3 ⁵ / ₈	4	1	6 ⁵ / ₈	79.00
40	23.286	140J40	1,115.20	J	4 1/2	C	8	3 ³ / ₁₆	4 1/2	5	1 ³ / ₁₆	7 1/4	105.00
45	26.077	140J45	1,309.60	J	4 1/2	C	8	3 ³ / ₁₆	4 1/2	5	1 ³ / ₁₆	7 1/4	140.10
48	27.750	140J48	1,446.60	J	4 1/2	C	8	3 ³ / ₁₆	4 1/2	5	1 ³ / ₁₆	7 1/4	148.00
54	31.096	140J54	1,791.20	J	4 1/2	C	8	3 ³ / ₁₆	4 1/2	5	1 ³ / ₁₆	7 1/4	178.00
60	34.442	140J60	1,877.60	J	4 1/2	C	8	3 ³ / ₁₆	4 1/2	5	1 ³ / ₁₆	7 1/4	234.00
70	40.017	140M70	2,560.40	M	5 1/2	C ₁	10	5 ³ / ₁₆	6 ³ / ₄	6 ³ / ₄	2 ²⁹ / ₃₂	9	239.00
80	45.591	140M80	3,233.00	M	5 1/2	C ₁	10	5 ³ / ₁₆	6 ³ / ₄	6 ³ / ₄	2 ²⁹ / ₃₂	9	432.00

Dimensions are in inches unless otherwise indicated.

QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
SF	\$33.00	1/2 — 2 1/4	2 ⁵ / ₁₆ — 2 ³ / ₄	2 ¹³ / ₁₆ — 2 ¹⁵ / ₁₆	3.10
E	69.20	7/8 — 2 ³ / ₄	2 ¹³ / ₁₆ — 3 ⁷ / ₁₆	3 1/2	7.10
F	124.00	1 — 3 1/4	3 ⁵ / ₁₆ — 3 ¹⁵ / ₁₆	4	8.70
J	154.00	1 ⁷ / ₁₆ — 3 ³ / ₄	3 ¹³ / ₁₆ — 4 1/2	—	16.80
M	308.00	2 — 4 ³ / ₄	4 ⁷ / ₈ — 5 1/2	—	56.00

Refer to page 72 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.



CHAIN TECHNICAL DATA	
Size	140
Pitch	1 3/4"
Inside Width	1"
Roller Diameter	1.000"

Dimensions are in inches unless otherwise indicated.

Sprocket Diameters				Type A				Type B						
2" Pitch														
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	*Hub Dia.	LTB	Wt. Lbs.
8	6.028	5.226	4.101	160A8	\$193.40	1 $\frac{3}{8}$	5.60	160B8	\$294.20	1 $\frac{3}{8}$	1 $\frac{7}{8}$	2 $\frac{13}{16}$	2 $\frac{1}{4}$	6.90
9	6.696	5.848	4.635	160A9	201.00	1 $\frac{3}{8}$	7.50	160B9	309.60	1 $\frac{3}{8}$	2 $\frac{3}{8}$	3 $\frac{5}{8}$	2 $\frac{1}{4}$	9.90
10	7.356	6.472	5.347	160A10	208.80	1 $\frac{3}{8}$	10.10	160B10	325.00	1 $\frac{3}{8}$	2 $\frac{3}{4}$	4	2 $\frac{1}{4}$	12.50
11	8.012	7.100	5.902	160A11	224.20	1 $\frac{3}{8}$	11.20	160B11	369.80	1 $\frac{3}{8}$	3 $\frac{1}{4}$	4 $\frac{3}{4}$	2 $\frac{1}{2}$	17.70
12	8.664	7.728	6.603	160A12	243.00	1 $\frac{3}{8}$	13.50	160B12	415.20	1 $\frac{3}{8}$	3 $\frac{1}{4}$	5 $\frac{1}{4}$	2 $\frac{5}{8}$	22.00
13	9.314	8.358	7.171	160A13	259.40	1 $\frac{3}{8}$	15.90	160B13	463.80	1 $\frac{3}{8}$	4	6	2 $\frac{3}{4}$	27.90
14	9.962	8.988	7.863	160A14	281.60	1 $\frac{3}{8}$	18.50	160B14	502.80	1 $\frac{3}{8}$	4 $\frac{1}{4}$	6 $\frac{1}{4}$	2 $\frac{3}{4}$	31.70
15	10.608	9.620	8.442	160A15	304.80	1 $\frac{3}{8}$	21.70	160B15	549.20	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	38.60
16	11.254	10.252	9.127	160A16	328.00	1 $\frac{3}{8}$	24.80	160B16	595.60	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	42.00
17	11.898	10.844	9.713	160A17	348.20	1 $\frac{3}{8}$	27.80	160B17	641.80	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	45.00
18	12.542	11.518	10.393	160A18	371.20	1 $\frac{3}{8}$	31.30	160B18	688.00	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	48.50
19	13.186	12.152	10.985	160A19	394.40	1 $\frac{3}{8}$	35.20	160B19	734.80	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	52.70
20	13.828	12.784	11.659	160A20	448.40	1 $\frac{3}{8}$	39.00	160B20	781.00	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	55.50
21	14.470	13.420	12.256	160A21	479.80	1 $\frac{3}{8}$	43.30	160B21	827.40	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	58.50
22	15.110	14.054	12.929	160A22	487.40	1 $\frac{3}{8}$	47.70	160B22	896.80	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	64.60
23	15.752	14.688	13.529	160A23	510.60	1 $\frac{3}{8}$	51.50	160B23	928.20	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	2 $\frac{3}{4}$	70.00
24	16.392	15.322	14.197	160A24	526.00	1 $\frac{3}{8}$	56.00	160B24	959.00	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	3	75.00
25	17.032	15.958	14.801	160A25	556.80	1 $\frac{3}{8}$	61.70	160B25	989.00	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	3	81.00
26	17.672	16.592	15.467	160A26	587.80	1 $\frac{3}{8}$	66.60	160B26	1,013.00	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	3	87.00
27	18.312	17.228	16.073	160A27	657.20	1 $\frac{3}{8}$	72.00	160B27	1,121.00	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	3	90.00
28	18.950	17.862	16.737	160A28	696.20	1 $\frac{3}{8}$	80.00	160B28	1,160.00	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	3	98.00
30	20.228	19.134	18.009	160A30	765.60	1 $\frac{3}{8}$	87.00	160B30	1,314.40	1 $\frac{3}{8}$	5 $\frac{1}{4}$	7	3	112.00
35	23.422	22.312	21.164	160A35	1,020.80	1 $\frac{3}{8}$	124.00							
36	24.060	22.948	21.823	160A36	1,084.60	1 $\frac{3}{8}$	134.00							
40	26.612	25.492	24.367	160A40	1,322.00	1 $\frac{3}{8}$	161.00							
45	29.802	28.672	27.529	160A45	1,629.80	1 $\frac{3}{8}$	204.00							
48	31.714	30.580	29.455	160A48	1,908.60	1 $\frac{3}{8}$	233.00							
54	35.538	34.396	33.271	160A54	2,275.80	1 $\frac{3}{8}$	291.00							
60	39.362	38.214	37.089	160A60	2,803.80	1 $\frac{3}{8}$	361.00							
70	45.734	44.578	43.453	160A70	3,638.00	1 $\frac{3}{8}$	497.00							
80	52.104	50.942	49.817	160A80	4,378.20	1 $\frac{3}{8}$	643.00							

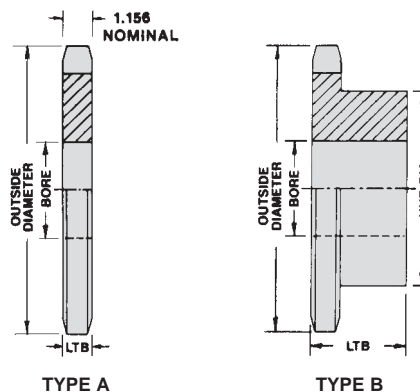
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

* Hub diameter may vary to suit bore sizes

CHAIN TECHNICAL DATA

Size	160
Pitch	2"
Inside Width	1 $\frac{1}{4}$ "
Roller Diameter	1.125"



No. 160

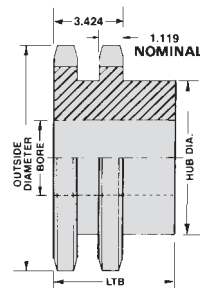
2" Pitch — Multiple Strand

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			160-2 Double Strand					
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	List Price	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
13	9.314	2	D160B13	\$1,041.40	5¼	4¾	3½	43.00
14	9.962	2	D160B14	1,154.80	5¼	4¾	3½	50.10
15	10.608	2	D160B15	1,188.60	5¼	4¾	3½	57.90
16	11.254	2	D160B16	1,275.40	7	4¾	4¾	72.60
17	11.898	2	D160B17	1,359.60	7	4¾	4¾	81.60
18	12.542	2	D160B18	1,444.20	7	4¾	4¾	91.20
19	13.186	2	D160B19	1,528.40	7	4¾	4¾	101.50
20	13.828	2	D160B20	1,699.60	7	4¾	4¾	112.30
21	14.470	2	D160B21	1,868.40	7½	5	5	128.90
22	15.110	2	D160B22	1,996.20	7½	5	5	141.00
23	15.752	2	D160B23	2,165.00	7½	5	5	154.10
24	16.392	2	D160B24	2,338.60	7½	5	5	167.00
25	17.032	2	D160B25	2,507.20	7½	5	5	181.00
26	17.672	2	D160B26	2,635.00	7½	5	5	196.60
30	20.228	2	D160B30	2,831.80	7½	5	5	260.10

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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



TYPE B

CHAIN TECHNICAL DATA

Size	160-2
Pitch	2"
Inside Width	1¼"
Roller Diameter	1.125"

Dimensions are in inches unless otherwise indicated.

160 QD® 2" Pitch													
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
12	8.664	160E12	\$479.40	E	3½	B ₁	5 ¹¹ / ₁₆	1 ⁵ / ₈	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ¹ / ₁₆	6	11.20
13	9.314	160E13	523.60	E	3½	B ₁	6¼	1 ⁵ / ₈	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ¹ / ₁₆	6	14.20
14	9.962	160E14	576.20	E	3½	B ₁	6¼	1 ⁵ / ₈	2 ⁵ / ₈	2 ¹⁵ / ₁₆	1 ¹ / ₁₆	6	17.40
15	10.608	160F15	557.40	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	24.70
16	11.254	160F16	624.40	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	29.00
17	11.898	160F17	668.80	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	30.70
18	12.542	160F18	706.40	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	33.80
19	13.186	160F19	826.00	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	37.90
20	13.828	160F20	848.60	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	43.00
21	14.470	160F21	886.20	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	45.90
22	15.110	160F22	968.20	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	51.10
23	15.752	160F23	1,035.20	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	54.80
24	16.392	160F24	1,056.00	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	60.40
25	17.032	160F25	1,095.60	F	4	B ₁	7	2½	3 ⁵ / ₈	4	2 ⁵ / ₁₆	6 ⁵ / ₈	64.60
26	17.672	160J26	1,125.40	J	4½	C	8	3 ³ / ₁₆	4½	5	1 ¹ / ₁₆	7¼	77.00
28	18.950	160J28	1,215.00	J	4½	C	8	3 ³ / ₁₆	4½	5	1 ¹ / ₁₆	7¼	86.00
30	20.228	160J30	1,374.20	J	4½	C	8	3 ³ / ₁₆	4½	5	1 ¹ / ₁₆	7¼	110.00
35	23.422	160J35	1,513.60	J	4½	C	8	3 ³ / ₁₆	4½	5	1 ¹ / ₁₆	7¼	131.00
40	26.612	160M40	1,822.60	M	5½	C ₁	10	5 ³ / ₁₆	6¾	6¾	2 ¹ / ₁₆	9	196.00
45	29.802	160M45	2,256.60	M	5½	C ₁	10	5 ³ / ₁₆	6¾	6¾	2 ¹ / ₁₆	9	237.00
54	35.538	160M54	3,032.80	M	5½	C ₁	10	5 ³ / ₁₆	6¾	6¾	2 ¹ / ₁₆	9	325.00
60	39.362	160M60	3,247.40	M	5½	C ₁	10	5 ³ / ₁₆	6¾	6¾	2 ¹ / ₁₆	9	378.00
70	45.734	160M70	4,120.20	M	5½	C ₁	10	5 ³ / ₁₆	6¾	6¾	2 ¹ / ₁₆	9	505.00
80	52.104	160M80	5,012.20	M	5½	C ₁	10	5 ³ / ₁₆	6¾	6¾	2 ¹ / ₁₆	9	671.00

Dimensions are in inches unless otherwise indicated.

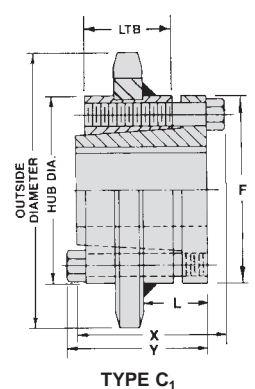
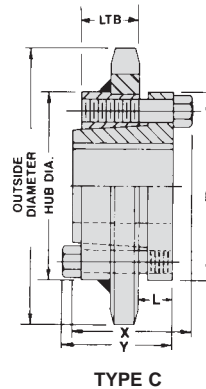
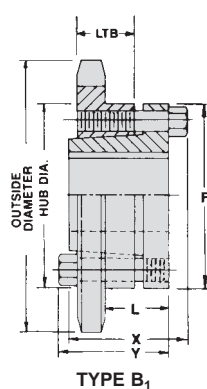
QD® Bushings					
Bushing	List Price	Bore Range		No Keyway	Wt. Lbs.
		Standard Keyway	Shallow Keyway		
E	\$69.20	7/8 — 2¾	2 ¹³ / ₁₆ — 3 ⁷ / ₁₆	3½	7.10
F	124.00	1 — 3¼	3 ⁵ / ₁₆ — 3 ¹⁵ / ₁₆	4	8.70
J	154.00	1 ⁷ / ₁₆ — 3¾	3 ¹³ / ₁₆ — 4½	—	16.80
M	308.00	2 — 4¾	4 ⁷ / ₈ — 5½	—	56.00

Refer to page 72 for bushing specifications

QD® is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.

CHAIN TECHNICAL DATA

Size	160
Pitch	2"
Inside Width	1¼"
Roller Diameter	1.125"



No. 180

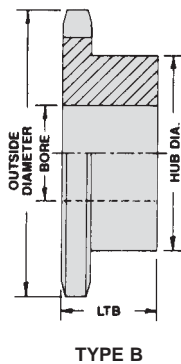
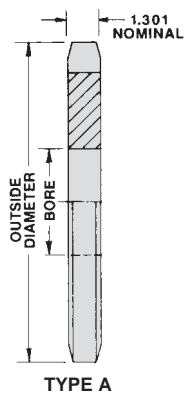
2 1/4" Pitch — Plain Bore

Dimensions are in inches unless otherwise indicated.

Sprocket Diameters 2 1/4" Pitch				Type A				Type B						
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	*Hub Dia.	LTB	Wt. Lbs.
11	9.010	7.986	6.499	180A11	\$421.40	1 3/8	15.00	180B11	\$574.80	1 3/8	3 5/8	5 1/2	2 15/16	30.00
12	9.750	8.693	7.287	180A12	437.00	1 3/8	17.00	180B12	581.00	1 3/8	4	6	2 15/16	34.00
13	10.480	9.402	7.927	180A13	463.40	1 3/8	21.50	180B13	626.40	1 3/8	4	6	2 15/16	36.00
14	11.210	10.111	8.705	180A14	495.20	1 3/8	25.50	180B14	664.80	1 3/8	5 1/4	7	3 1/8	42.00
15	11.940	10.822	9.357	180A15	525.20	1 3/8	28.80	180B15	734.80	1 3/8	5 1/4	7	3 1/8	45.00
16	12.660	11.533	10.127	180A16	568.40	1 3/8	33.10	180B16	788.80	1 3/8	5 1/4	7	3 1/8	51.00
17	13.390	12.245	10.787	180A17	618.60	1 3/8	37.70	180B17	850.60	1 3/8	5 1/4	7	3 1/8	56.00
18	14.110	12.957	11.551	180A18	664.80	1 3/8	42.30	180B18	904.60	1 3/8	5 1/4	7	3 1/8	61.00
19	14.830	13.670	12.217	180A19	693.80	1 3/8	47.90	180B19	959.00	1 3/8	5 3/8	7 1/2	3 3/8	66.00
20	15.560	14.383	12.977	180A20	742.60	1 3/8	52.80	180B20	1,005.40	1 3/8	5 3/8	7 1/2	3 3/8	72.00
21	16.280	15.096	13.648	180A21	781.00	1 3/8	59.00	180B21	1,059.40	1 3/8	5 3/8	7 1/2	3 3/8	78.00
22	17.000	15.810	14.404	180A22	920.00	1 3/8	65.00	180B22	1,121.00	1 3/8	5 3/8	7 1/2	3 3/8	87.00
23	17.720	16.524	15.079	180A23	974.40	1 3/8	72.10	180B23	1,167.80	1 3/8	5 3/8	7 1/2	3 3/8	95.00
24	18.440	17.238	15.832	180A24	1,036.20	1 3/8	81.10	180B24	1,299.00	1 3/8	5 3/8	7 1/2	3 3/8	103.00
25	19.160	17.952	16.511	180A25	1,272.00	1 3/8	85.00	180B25	1,438.20	1 3/8	5 3/8	7 1/2	3 3/8	110.00
28	21.320	20.096	18.690	180A28	1,507.80	1 3/8	105.00	180B28	1,778.20	1 3/8	5 1/2	8	3 11/16	135.00
30	22.760	21.525	20.119	180A30	1,778.20	1 3/8	124.00							
35	26.350	25.101	23.669	180A35	1,971.60	1 3/8	171.00							
40	29.940	28.677	27.271	180A40	2,203.40	1 3/8	222.00							
45	33.530	32.255	30.829	180A45	2,706.00	1 3/8	278.00							
54	39.980	38.696	37.290	180A54	3,015.60	1 3/8	402.00							
60	44.280	42.992	41.586	180A60	4,175.20	1 3/8	499.00							

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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



CHAIN TECHNICAL DATA

Size	180
Pitch	2 1/4"
Inside Width	1 13/32"
Roller Diameter	1.406"

No. 200

2½" Pitch — Plain Bore

Dimensions are in inches unless otherwise indicated.

Sprocket Diameters 2½" Pitch				Type A				Type B, Type C						
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	*Hub Dia.	LTB	Wt. Lbs.
10	9.200	8.090	6.528	200A10	\$433.00	1⅜	16.30	200B10	\$556.80	1⅜	3½	5½	3	30.00
11	10.020	8.872	7.219	200A11	463.80	1⅜	20.20	200B11	605.20	1⅜	3¾	6	3	35.00
12	10.830	9.660	8.098	200A12	541.40	1⅜	24.30	200B12	651.40	1⅜	3¾	6	3	39.00
13	11.640	10.447	8.808	200A13	572.40	1⅜	28.70	200B13	683.20	1⅜	4⅛	6¼	3	42.00
14	12.460	11.235	9.673	200A14	618.60	1⅜	34.40	200B14	716.00	1⅜	5⅞	7½	3⅞	65.00
15	13.260	12.025	10.397	200A15	711.80	1⅜	39.00	200B15	838.60	1⅜	5⅞	7½	3⅞	70.00
16	14.070	12.815	11.253	200A16	788.80	1⅜	45.60	200B16	962.00	1⅜	5⅞	7½	3⅞	76.00
17	14.870	13.605	11.985	200A17	858.20	1⅜	49.70	200B17	1,002.00	1⅜	5⅞	7½	3⅞	82.00
18	15.680	14.397	12.835	200A18	912.20	1⅜	56.00	200B18	1,036.20	1⅜	5⅞	7½	3⅞	89.00
19	16.480	15.190	13.576	200A19	959.00	1⅜	63.00	200B19	1,104.20	1⅜	5⅞	7½	3⅞	96.00
20	17.290	15.982	14.420	200A20	1,005.40	1⅜	70.00	200B20	1,138.40	1⅜	5⅞	7½	3⅞	104.00
21	18.090	16.775	15.166	200A21	1,043.80	1⅜	78.00	200B21	1,171.80	1⅜	5⅞	7½	3⅞	112.00
22	18.890	17.567	16.005	200A22	1,198.60	1⅜	89.00	200B22	1,399.80	1⅜	5¾	8½	4	134.00
23	19.690	18.360	16.755	200A23	1,275.80	1⅜	101.00	200B23	1,469.20	1⅜	5¾	8½	4	143.00
24	20.490	19.152	17.590	200A24	1,392.00	1⅜	102.00	200B24	1,662.60	1⅜	5¾	8½	4	152.00
25	21.290	19.947	18.346	200A25	1,624.00	1⅜	118.00	200B25	1,933.00	1⅜	5¾	8½	4	161.00
26	22.090	20.740	19.178	200A26	1,701.00	1⅜	124.00	200C26	2,010.20	1⅜	5¾	8½	4½	177.00
28	23.690	22.330	20.768	200A28	1,855.80	1⅜	146.00	200C28	2,165.00	1⅜	5¾	8½	4½	195.00
30	25.290	23.917	22.355	200A30	1,933.00	1⅜	162.00	200C30	2,242.00	1⅜	5¾	8½	4½	220.00
32	26.880	25.505	23.943	200A32	2,165.00	1⅜	190.00							
35	29.280	27.890	26.300	200A35	2,396.80	1⅜	224.00							
40	33.270	31.865	30.303	200A40	2,628.80	1⅜	291.00							
45	37.250	35.840	34.256	200A45	3,059.40	1⅜	356.00							
54	44.420	42.995	41.433	200A54	3,399.40	1⅜	479.00							
60	49.200	47.767	46.205	200A60	4,590.20	1⅜	659.00							

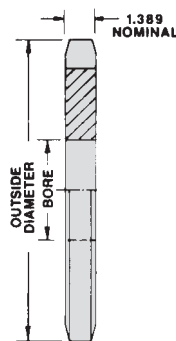
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

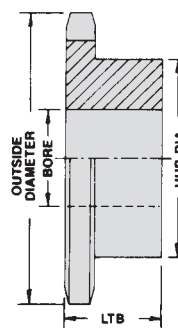
* Hub diameter may vary to suit bore sizes

CHAIN TECHNICAL DATA

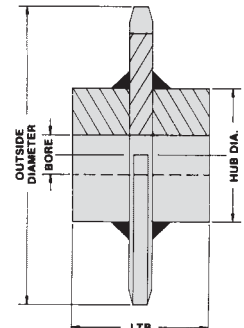
Size	200
Pitch	2½"
Inside Width	1½"
Roller Diameter	1.562"



TYPE A



TYPE B



TYPE C

No. 240

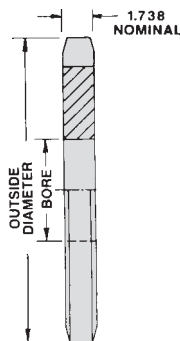
3" Pitch — Plain Bore

Dimensions are in inches unless otherwise indicated.

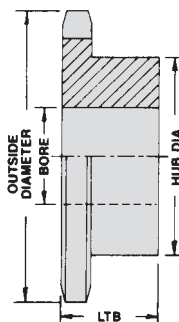
Sprocket Diameters 3" Pitch				Type A				Type B						
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	Wt. Lbs.	Catalog Number	List Price	Plain Bore	†Max. Bore	*Hub Dia.	LTB	Wt. Lbs.
10	11.030	9.708	7.833	240A10	\$679.80	1 $\frac{1}{8}$ "	30.50	240B10	\$1,043.80	1 $\frac{3}{8}$ "	4 $\frac{1}{4}$ "	6 $\frac{1}{4}$ "	3 $\frac{3}{8}$ "	47.00
11	12.020	10.648	8.665	240A11	748.80	1 $\frac{1}{8}$ "	36.60	240B11	1,059.40	1 $\frac{3}{8}$ "	4 $\frac{3}{4}$ "	7"	3 $\frac{1}{16}$ "	66.00
12	13.000	11.591	9.716	240A12	823.60	1 $\frac{1}{8}$ "	45.40	240B12	1,095.00	1 $\frac{3}{8}$ "	4 $\frac{3}{4}$ "	7"	3 $\frac{1}{16}$ "	74.00
13	13.970	12.536	10.569	240A13	904.20	1 $\frac{1}{8}$ "	52.50	240B13	1,161.60	1 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "	7 $\frac{1}{2}$ "	3 $\frac{7}{8}$ "	87.00
14	14.940	13.482	11.607	240A14	984.60	1 $\frac{1}{8}$ "	60.90	240B14	1,220.00	1 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "	7 $\frac{1}{2}$ "	3 $\frac{7}{8}$ "	98.00
15	15.910	14.429	12.475	240A15	1,073.40	1 $\frac{1}{8}$ "	71.00	240B15	1,307.60	1 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "	7 $\frac{1}{2}$ "	3 $\frac{7}{8}$ "	108.00
16	16.880	15.377	13.502	240A16	1,176.00	1 $\frac{1}{8}$ "	80.00	240B16	1,484.60	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	8"	4 $\frac{1}{8}$ "	124.00
17	17.850	16.327	14.382	240A17	1,278.60	1 $\frac{1}{8}$ "	93.00	240B17	1,587.20	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	8"	4 $\frac{1}{8}$ "	140.00
18	18.810	17.276	15.401	240A18	1,403.60	1 $\frac{1}{8}$ "	103.00	240B18	1,712.60	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	8"	4 $\frac{1}{8}$ "	149.00
19	19.780	18.227	16.289	240A19	1,528.40	1 $\frac{1}{8}$ "	116.00	240B19	1,838.00	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	8"	4 $\frac{1}{8}$ "	165.00
20	20.740	19.177	17.302	240A20	1,652.80	1 $\frac{1}{8}$ "	130.00	240B20	1,955.20	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	8"	4 $\frac{1}{8}$ "	175.00
21	21.700	20.129	18.197	240A21	1,749.80	1 $\frac{1}{8}$ "	141.00	240B21	2,056.40	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	8"	4 $\frac{1}{8}$ "	195.00
25	25.550	23.936	22.014	240A25	2,284.40	1 $\frac{1}{8}$ "	206.00	240B25	2,594.20	1 $\frac{3}{8}$ "	5 $\frac{1}{2}$ "	8"	4 $\frac{1}{8}$ "	260.00
30	30.340	28.700	26.825	240A30	3,015.60	1 $\frac{1}{8}$ "	293.00							
35	35.130	33.467	31.559	240A35	4,202.00	1 $\frac{1}{8}$ "	403.00							
40	39.920	38.237	36.362	240A40	5,209.80	1 $\frac{1}{8}$ "	528.00							
45	44.700	43.007	41.106	240A45	6,299.60	1 $\frac{1}{8}$ "	681.00							
54	53.310	51.595	49.720	240A54	8,647.80	1 $\frac{1}{8}$ "	1012.00							
60	59.040	57.322	55.447	240A60	10,337.80	1 $\frac{1}{8}$ "	1261.00							

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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



TYPE A



TYPE B

CHAIN TECHNICAL DATA

Size	240
Pitch	3"
Inside Width	1 $\frac{7}{8}$ "
Roller Diameter	1.875"

Double Pitch Sprockets

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

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
				Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
11	2.000	1.852	1.537	2040B11	\$27.20	1/2	13/16	1 3/8 ▲	7/8	.34				
12	2.170	2.000	1.688	2040B12	29.00	1/2	1	1 21/32 ▲	7/8	.44				
13	2.320	2.152	1.824	2040B13	29.80	1/2	1	1 13/16 ▲	7/8	.48				
14	2.490	2.305	1.993	2040B14	31.60	1/2	1	1 13/16 ▲	7/8	.60				
15	2.640	2.458	2.133	2040B15	33.40	1/2	1 1/8	1 11/16	7/8	.66				
16	2.810	2.613	2.301	2040B16	34.80	5/8	1 3/16	1 7/8	7/8	.76				
17	2.970	2.768	2.444	2040B17	36.60	5/8	1 1/4	2 1/16	7/8	1.00				
18	3.140	2.924	2.612	2040B18	40.40	5/8	1 3/8	2 3/16	7/8	1.16				
19	3.290	3.080	2.757	2040B19	45.00	5/8	1 1/2	2 3/8	7/8	1.36				
20	3.460	3.236	2.924	2040B20	50.60	5/8	1 3/4	2 1/2	1	1.54				
21	3.610	3.392	3.070	2040B21	56.00	5/8	1 3/4	2 1/2	1	1.65				
22	3.780	3.549	3.237	2040B22	61.80	5/8	1 3/4	2 1/2	1	2.00				
23	3.930	3.706	3.386	2040B23	69.00	5/8	1 3/4	2 1/2	1	2.16	2040A23	\$34.80	5/8	.77
24	4.100	3.864	3.552	2040B24	71.60	5/8	1 3/4	2 1/2	1	2.25	2040A24	36.00	5/8	.84
25	4.260	4.021	3.701	2040B25	75.20	5/8	1 3/4	2 1/2	1	2.30	2040A25	41.00	5/8	.91
26	4.420	4.179	3.867	2040B26	81.00	5/8	1 3/4	2 1/2	1	2.40	2040A26	44.20	5/8	1.00
28	4.740	4.494	4.182	2040B28	86.80	5/8	1 3/4	2 1/2	1	2.55	2040A28	47.20	5/8	1.10
30	5.060	4.810	4.498	2040B30	89.40	5/8	1 3/4	2 1/2	1	2.74	2040A30	50.40	5/8	1.30

▲ Has recessed groove in hub for chain clearance

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

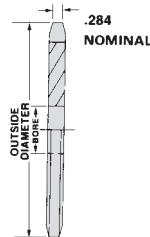
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
8	3.010	2.613	1.988	2042B8	\$31.60	5/8	1 9/32	1 7/8	7/8	.72				
9	3.350	2.924	2.255	2042B9	40.00	5/8	1 15/32	2 7/32	7/8	1.02				
10	3.680	3.236	2.611	2042B10	51.20	5/8	1 3/4	2 35/64	1	1.50				
11	4.010	3.549	2.888	2042B11	62.40	5/8	1 7/8	2 5/8	1	1.68				
12	4.330	3.864	3.239	2042B12	71.60	5/8	2 1/4	3 1/16	1	2.22				
13	4.660	4.179	3.523	2042B13	79.60	5/8	2 1/4	3 1/4	1	2.56				
14	4.980	4.494	3.869	2042B14	84.60	5/8	2 1/4	3 3/4	1	2.72				
15	5.310	4.810	4.158	2042B15	89.40	5/8	2 1/4	3 3/4	1	2.90				
16	5.630	5.126	4.501	2042B16	90.80	5/8	2 1/4	3 3/4	1	3.10	2042A16	\$49.00	5/8	1.30
17	5.950	5.442	4.794	2042B17	94.40	5/8	2 1/4	3 3/4	1	3.40	2042A17	52.40	5/8	1.60
18	6.270	5.759	5.134	2042B18	98.00	5/8	2 1/4	3 3/4	1	3.56	2042A18	55.60	5/8	1.80
19	6.590	6.076	5.430	2042B19	101.40	5/8	2 1/4	3 3/4	1	3.72	2042A19	58.20	5/8	2.00
20	6.910	6.392	5.768	2042B20	105.00	3/4	2 3/8	3 1/2	1 1/8	4.72	2042A20	59.60	3/4	2.40
21	7.240	6.710	6.066	2042B21	108.60	3/4	2 3/8	3 1/2	1 1/8	4.84	2042A21	61.40	3/4	2.60
22	7.560	7.027	6.402	2042B22	110.80	3/4	2 3/8	3 1/2	1 1/8	5.18	2042A22	64.20	3/4	2.80
23	7.880	7.344	6.702	2042B23	114.40	3/4	2 3/8	3 1/2	1 1/8	5.04	2042A23	65.40	3/4	3.10
24	8.200	7.661	7.036	2042B24	115.60	3/4	2 3/8	3 1/2	1 1/8	5.58	2042A24	69.40	3/4	3.20
25	8.520	7.979	7.338	2042B25	118.40	3/4	2 3/8	3 1/2	1 1/8	5.96	2042A25	71.60	3/4	3.50
26	8.840	8.296	7.671	2042B26	123.20	3/4	2 3/8	3 1/2	1 1/8	6.22	2042A26	79.60	3/4	3.70
28	9.480	8.931	8.307	2042B28	128.20	3/4	2 3/8	3 1/2	1 1/8	6.78	2042A28	82.80	3/4	4.70
30	10.110	9.567	8.942	2042B30	131.80	3/4	2 3/8	3 1/2	1 1/8	7.56	2042A30	87.20	3/4	5.00

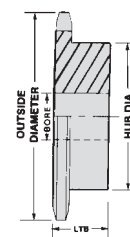
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

CHAIN TECHNICAL DATA			
Size	A2040	C2040	C2042
Pitch	1"	1"	1"
Inside Width	5/16"	5/16"	5/16"
Roller Diameter	.313"	.313"	.625"



TYPE A



TYPE B

Double Pitch Sprockets

Conveyor or Drive Series — Standard Roller Double Pitch Sprocket
for C2050/A2050 Chain — 1¼" Pitch

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
11	2.500	2.315	1.912	2050B11	\$39.20	5/8	13/16	1 3/4 ▲	1	.62				
12	2.710	2.500	2.100	2050B12	41.40	5/8	1	1 7/8 ▲	1	.80				
13	2.900	2.690	2.270	2050B13	43.20	5/8	1 1/32	1 15/16 ▲	1	.82				
14	3.110	2.881	2.481	2050B14	45.00	5/8	1 9/32	2 ▲	1	1.00				
15	3.310	3.073	2.656	2050B15	46.20	5/8	1 7/16	2 1/8	1	1.22				
16	3.520	3.266	2.866	2050B16	49.80	5/8	1 19/32	2 5/16	1	1.44				
17	3.710	3.460	3.046	2050B17	53.80	5/8	1 3/4	2 9/16	1	1.68				
18	3.920	3.655	3.255	2050B18	58.20	5/8	1 25/32	2 3/4	1	1.94				
19	4.120	3.850	3.436	2050B19	61.80	5/8	1 31/32	2 7/8	1	2.24				
20	4.320	4.045	3.645	2050B20	69.40	5/8	2	3	1	2.30				
21	4.520	4.241	3.829	2050B21	75.20	3/4	2	3	1 1/4	2.40	2050A21	\$47.20	3/4	1.20
22	4.720	4.437	4.037	2050B22	81.00	3/4	2	3	1 1/4	2.54	2050A22	48.00	3/4	1.30
23	4.920	4.633	4.222	2050B23	86.80	3/4	2	3	1 1/4	2.66	2050A23	49.00	3/4	1.40
24	5.120	4.830	4.430	2050B24	93.00	3/4	2	3	1 1/4	3.30	2050A24	49.80	3/4	1.60
25	5.320	5.026	4.616	2050B25	99.20	3/4	2	3	1 1/4	3.42	2050A25	51.20	3/4	1.70
26	5.520	5.223	4.823	2050B26	103.60	3/4	2	3	1 1/4	3.62	2050A26	53.80	3/4	1.80
28	5.920	5.617	5.217	2050B28	106.80	3/4	2	3	1 1/4	3.78	2050A28	57.00	3/4	2.10
30	6.320	6.012	5.612	2050B30	109.40	3/4	2	3	1 1/4	4.58	2050A30	59.60	3/4	2.50

▲ Has recessed groove in hub for chain clearance

Conveyor Series — Large Roller Double Pitch Sprocket for C2052 Chain — 1¼" Pitch

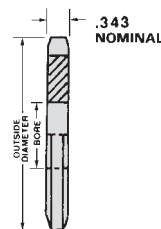
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
8	3.770	3.266	2.516	2052B8	\$50.60	5/8	1 19/32	2 23/64	1	1.38				
9	4.180	3.655	2.850	2052B9	58.80	5/8	1 25/32	2 15/32	1	1.92				
10	4.600	4.045	3.295	2052B10	69.40	5/8	2	3	1	2.30				
11	5.010	4.437	3.642	2052B11	81.00	5/8	2	3	1	2.54				
12	5.420	4.830	4.080	2052B12	90.80	3/4	2	3	1 1/4	3.20	2052A12	\$50.60	3/4	1.60
13	5.820	5.223	4.435	2052B13	101.80	3/4	2	3	1 1/4	3.48	2052A13	53.80	3/4	1.80
14	6.230	5.617	4.867	2052B14	106.80	3/4	2	3	1 1/4	3.88	2052A14	57.00	3/4	2.30
15	6.630	6.012	5.229	2052B15	109.40	3/4	2 1/4	3 1/4	1 1/4	4.46	2052A15	59.60	3/4	2.40
16	7.030	6.407	5.657	2052B16	114.40	3/4	2 1/4	3 1/4	1 1/4	4.80	2052A16	64.20	3/4	2.80
17	7.440	6.803	6.024	2052B17	119.20	3/4	2 1/4	3 1/4	1 1/4	5.34	2052A17	67.60	3/4	3.30
18	7.840	7.198	6.448	2052B18	122.80	3/4	2 1/4	3 1/4	1 1/4	5.64	2052A18	70.40	3/4	3.60
19	8.240	7.595	6.819	2052B19	130.00	3/4	2 1/4	3 1/4	1 1/4	6.04	2052A19	73.80	3/4	4.10
20	8.640	7.991	7.241	2052B20	132.60	3/4	2 1/4	3 1/4	1 1/4	6.48	2052A20	76.20	3/4	4.70
21	9.040	8.387	7.614	2052B21	136.20	3/4	2 1/4	3 1/4	1 1/4	7.00	2052A21	78.80	3/4	5.00
22	9.440	8.783	8.033	2052B22	139.60	3/4	2 1/4	3 1/4	1 1/4	7.30	2052A22	83.60	3/4	5.20
23	9.840	9.180	8.409	2052B23	142.40	1	2 3/4	3 3/4	1 1/4	8.66	2052A23	86.80	1	5.70
24	10.250	9.577	8.827	2052B24	148.20	1	2 3/4	3 3/4	1 1/4	9.32	2052A24	90.80	1	6.70
25	10.650	9.973	9.204	2052B25	156.60	1	2 3/4	3 3/4	1 1/4	10.30	2052A25	95.60	1	7.50
26	11.050	10.370	9.620	2052B26	162.40	1	2 3/4	3 3/4	1 1/4	11.00	2052A26	101.00	1	8.20
28	11.840	11.164	10.414	2052B28	173.60	1	2 3/4	3 3/4	1 1/4	11.70	2052A28	110.80	1	8.70
30	12.640	11.958	11.208	2052B30	183.80	1	2 3/4	3 3/4	1 1/4	12.90	2052A30	118.40	1	9.80

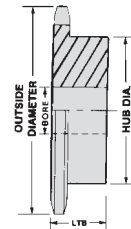
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

CHAIN TECHNICAL DATA			
Size	A2050	C2050	C2052
Pitch	1¼"	1¼"	1¼"
Inside Width	3/8"	3/8"	3/8"
Roller Diameter	.400"	.400"	.750"



TYPE A



TYPE B

Double Pitch Sprockets

Conveyor or Drive Series — Standard Roller Double Pitch Sprocket for C2060/A2060 Chain — 1½" Pitch

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
11	3.000	2.773	2.276	2060B11	\$43.20	¾	1	2 1/16 ▲	1 ¼	1.14				
12	3.250	3.000	2.531	2060B12	46.20	¾	1 3/8	2 ¼ ▲	1 ¼	1.46				
13	3.480	3.228	2.735	2060B13	50.60	¾	1 7/16	2 5/16 ▲	1 ¼	1.52				
14	3.740	3.457	2.988	2060B14	57.00	¾	1 9/8	2 ½ ▲	1 ¼	1.86				
15	3.960	3.688	3.199	2060B15	62.40	¾	1 ¾	2 ½	1 ¼	2.24				
16	4.220	3.920	3.451	2060B16	69.40	¾	1 7/8	2 ¾	1 ¼	2.64				
17	4.450	4.152	3.666	2060B17	73.80	¾	2 3/32	3 3/32	1 ¼	3.08				
18	4.700	4.386	3.917	2060B18	85.80	¾	2 ¼	3 ¼	1 ¼	3.56				
19	4.940	4.620	4.135	2060B19	89.40	¾	2 ¼	3 ¼	1 ½	3.94	2060A19	\$57.60	¾	2.10
20	5.190	4.854	4.385	2060B20	93.40	¾	2 ¼	3 ¼	1 ½	4.50	2060A20	58.40	¾	2.40
21	5.420	5.089	4.606	2060B21	98.80	¾	2 ¼	3 ¼	1 ½	5.02	2060A21	60.20	¾	2.50
22	5.670	5.324	4.855	2060B22	104.20	¾	2 ¼	3 ¼	1 ½	5.26	2060A22	62.00	¾	2.70
23	5.900	5.560	5.077	2060B23	109.40	¾	2 ¼	3 ¼	1 ½	5.54	2060A23	63.80	¾	3.00
24	6.150	5.796	5.327	2060B24	118.40	¾	2 ¼	3 ¼	1 ½	5.90	2060A24	65.40	¾	3.20
25	6.380	6.032	5.551	2060B25	127.60	¾	2 ¼	3 ¼	1 ½	6.08	2060A25	66.80	¾	3.30
26	6.630	6.268	5.799	2060B26	138.40	¾	2 ¼	3 ¼	1 ½	6.36	2060A26	71.60	¾	3.50
28	7.110	6.741	6.272	2060B28	142.40	¾	2 ¼	3 ¼	1 ½	7.02	2060A28	75.20	¾	4.00
30	7.590	7.215	6.746	2060B30	146.00	¾	2 ¼	3 ¼	1 ½	7.54	2060A30	78.80	¾	4.70

▲ Has recessed groove in hub for chain clearance

Conveyor Series — Large Roller Double Pitch Sprocket for C2062 Chain — 1½" Pitch

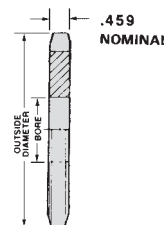
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
8	4.520	3.920	3.045	2062B8	\$70.40	¾	1 27/32	2 27/32	1 ¼	2.60				
9	5.020	4.386	3.444	2062B9	78.80	¾	2 9/32	3 11/32	1 ¼	3.48				
10	5.520	4.584	3.979	2062B10	95.60	¾	2 9/16	3 53/64	1 ¼	4.54				
11	6.010	5.324	4.395	2062B11	106.80	¾	2 ¾	4	1 ¼	5.20				
12	6.500	5.796	4.921	2062B12	118.40	¾	2 ¾	4	1 ½	5.70	2062A12	\$66.20	¾	3.00
13	6.990	6.268	5.347	2062B13	132.60	¾	2 ¾	4	1 ½	6.28	2062A13	69.40	¾	3.60
14	7.470	6.741	5.866	2062B14	138.80	¾	2 ¾	4	1 ½	6.82	2062A14	73.80	¾	4.00
15	7.960	7.215	6.300	2062B15	146.00	¾	2 ¾	4	1 ½	7.48	2062A15	78.80	¾	4.70
16	8.440	7.689	6.814	2062B16	149.60	¾	2 ¾	4	1 ½	8.18	2062A16	85.40	¾	5.70
17	8.920	8.163	7.253	2062B17	154.00	¾	2 ¾	4	1 ½	8.82	2062A17	90.80	¾	6.10
18	9.410	8.638	7.763	2062B18	161.60	¾	2 ¾	4	1 ½	9.36	2062A18	96.60	¾	7.00
19	9.890	9.113	8.207	2062B19	168.20	1	2 ¾	4 ¼	1 ½	11.10	2062A19	101.40	1	8.00
20	10.370	9.589	8.714	2062B20	178.00	1	2 ¾	4 ¼	1 ½	11.66	2062A20	104.40	1	8.50
21	10.850	10.064	9.161	2062B21	197.60	1	2 ¾	4 ¼	1 ½	13.24	2062A21	109.40	1	8.90
22	11.330	10.540	9.665	2062B22	202.80	1	2 ¾	4 ¼	1 ½	13.78	2062A22	115.60	1	10.70
23	11.810	11.016	10.115	2062B23	209.60	1	2 ¾	4 ¼	1 ½	14.90	2062A23	122.80	1	11.60
24	12.290	11.492	10.617	2062B24	223.40	1	2 ¾	4 ¼	1 ½	15.66	2062A24	137.60	1	12.60
25	12.770	11.968	11.070	2062B25	245.20	1	2 ¾	4 ¼	1 ½	16.80	2062A25	153.20	1	13.80
26	13.250	12.444	11.569	2062B26	264.80	1	2 ¾	4 ¼	1 ½	20.20	2062A26	161.60	1	15.00
28	14.210	13.397	12.522	2062B28	282.00	1	2 ¾	4 ¼	1 ½	21.86	2062A28	178.40	1	17.30
30	15.170	14.350	13.475	2062B30	287.00	1	2 ¾	4 ¼	1 ½	26.00	2062A30	192.20	1	19.50

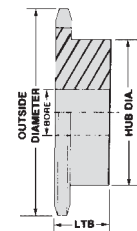
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

CHAIN TECHNICAL DATA			
Size	A2060	C2060	C2062
Pitch	1½"	1½"	1½"
Inside Width	½"	½"	½"
Roller Diameter	.469"	.469"	.875"



TYPE A



TYPE B

Double Pitch Sprockets

Conveyor or Drive Series — Standard Roller Double Pitch Sprocket
for C2080/A2080 Chain — 2" Pitch

Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
11	4.010	3.694	3.074	2080B11	\$79.00	1	1½	2 ¹³ / ₁₆ ▲	1⅜	2.50				
12	4.330	4.000	3.375	2080B12	85.40	1	1¾	3 ▲	1⅜	3.20				
13	4.640	4.304	3.647	2080B13	91.60	1	1⅞	3 ¹ / ₁₆ ▲	1⅜	3.30				
14	4.980	4.610	3.985	2080B14	98.40	1	2⅛	3 ³ / ₁₆ ▲	1⅜	4.00				
15	5.290	4.917	4.265	2080B15	103.60	1	2⅜	3 ⁷ / ₁₆	1⅜	4.80				
16	5.630	5.226	4.601	2080B16	117.60	1	2¼	3¼	1⅝	5.70	2080A16	\$63.80	1	3.10
17	5.940	5.536	4.888	2080B17	133.20	1	2¼	3¼	1⅝	6.40	2080A17	71.80	1	3.50
18	6.270	5.848	5.223	2080B18	151.40	1	2¼	3¼	1⅝	7.40	2080A18	76.20	1	4.00
19	6.580	6.160	5.513	2080B19	170.60	1	2¾	4	1⅝	7.70	2080A19	80.00	1	4.40
20	6.910	6.472	5.845	2080B20	183.80	1	2¾	4	1⅝	8.30	2080A20	85.40	1	4.40
21	7.230	6.785	6.141	2080B21	196.80	1	2¾	4	1⅝	9.40	2080A21	88.60	1	5.00
22	7.560	7.099	6.474	2080B22	205.00	1	2¾	4	1⅝	10.00	2080A22	93.00	1	5.60
23	7.870	7.413	6.770	2080B23	213.60	1	2¾	4	1⅝	10.50	2080A23	98.00	1	6.20
24	8.200	7.727	7.102	2080B24	218.00	1	2¾	4	1⅝	11.10	2080A24	102.20	1	6.60
25	8.510	8.042	7.401	2080B25	222.80	1	2¾	4	1⅝	12.00	2080A25	106.00	1	7.00
26	8.840	8.357	7.732	2080B26	232.00	1⅝	3¼	4¾	1⅞	14.80	2080A26	112.40	1⅝	7.90
28	9.480	8.988	8.363	2080B28	242.00	1⅝	3¼	4¾	1⅞	16.60	2080A28	124.00	1⅝	9.00
30	10.110	9.620	8.995	2080B30	259.40	1⅝	3¼	4¾	1⅞	17.80	2080A30	128.20	1⅝	10.60

▲ Has recessed groove in hub for chain clearance

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

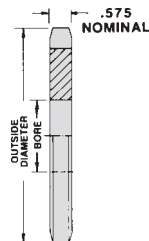
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions				Single — Type B							Single — Type A			
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	List Price	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Plain Bore	Wt. Lbs.
8	6.030	5.226	4.101	2082B8	\$116.60	1	2 ¹ / ₃₂	3 ⁵ / ₆₄	1¾	6.40				
9	6.700	5.848	4.634	2082B9	148.00	1	2¾	4¼	1¾	8.20				
10	7.360	6.472	5.347	2082B10	182.80	1	2¾	4¼	1¾	9.20				
11	8.010	7.099	5.902	2082B11	204.40	1	2¾	4¼	1¾	10.10	2082A11	\$94.00	1	5.70
12	8.660	7.727	6.602	2082B12	218.00	1	2¾	4¼	1¾	11.20	2082A12	101.20	1	6.80
13	9.320	8.357	7.171	2082B13	228.60	1⅝	3¼	4¾	1⅞	15.00	2082A13	108.60	1⅝	7.70
14	9.960	8.988	7.863	2082B14	246.40	1⅝	3¼	4¾	1⅞	15.80	2082A14	118.60	1⅝	9.10
15	10.610	9.620	8.442	2082B15	258.00	1⅝	3¼	4¾	1⅞	17.80	2082A15	128.20	1⅝	10.70
16	11.260	10.252	9.127	2082B16	277.80	1⅝	3¼	4¾	1⅞	19.30	2082A16	143.80	1⅝	12.40
17	11.900	10.885	9.713	2082B17	295.60	1⅝	3¼	4¾	1⅞	21.40	2082A17	155.20	1⅝	14.10
18	12.540	11.518	10.393	2082B18	315.80	1⅝	3¼	4¾	1⅞	22.90	2082A18	164.80	1⅝	15.40
19	13.190	12.151	10.985	2082B19	341.40	1⅝	3¼	4¾	1⅞	24.40	2082A19	189.00	1⅝	18.00
20	13.830	12.785	11.660	2082B20	350.00	1⅝	3¼	4¾	1⅞	26.70	2082A20	197.60	1⅝	19.20
21	14.470	13.419	12.256	2082B21	355.40	1⅝	3¼	4¾	1⅞	28.40	2082A21	205.00	1⅝	20.80
22	15.110	14.053	12.928	2082B22	393.00	1⅝	3¼	4¾	1⅞	39.60	2082A22	242.00	1⅝	23.70
23	15.750	14.688	13.528	2082B23	409.80	1⅝	3¼	4¾	1⅞	32.20	2082A23	276.20	1⅝	24.90
24	16.390	15.323	14.198	2082B24	435.80	1⅝	3¼	4¾	1⅞	34.90	2082A24	313.80	1⅝	27.60
25	17.030	15.958	14.801	2082B25	473.40	1⅝	3¼	4¾	1⅞	37.80	2082A25	345.20	1⅝	30.20
26	17.670	16.593	15.468	2082B26	493.20	1⅝	3½	5¼	2	41.50	2082A26	371.20	1⅝	32.80
28	18.950	17.863	16.738	2082B28	552.00	1⅝	3½	5¼	2	47.70	2082A28	390.60	1⅝	38.60
30	20.230	19.134	18.009	2082B30	601.20	1⅝	3½	5¼	2	54.50	2082A30	425.80	1⅝	43.80

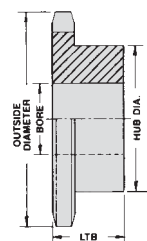
SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

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

CHAIN TECHNICAL DATA			
Size	A2080	C2080	C2082
Pitch	2"	2"	2"
Inside Width	⅝"	⅝"	⅝"
Roller Diameter	.625"	.625"	1.125"



TYPE A



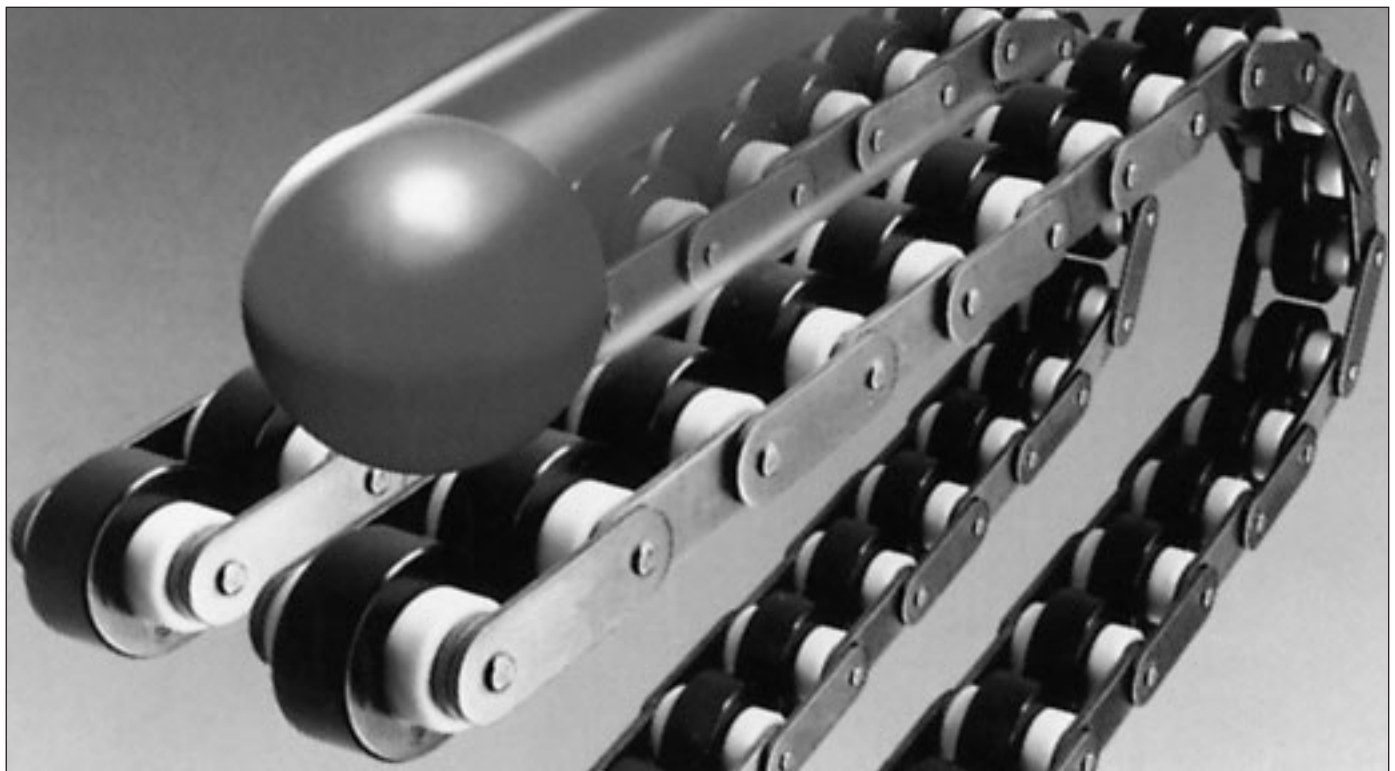
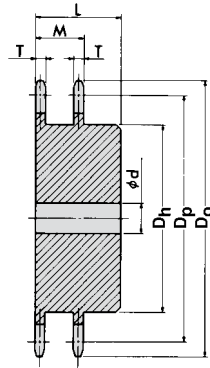
TYPE B

DOUBLE PLUS[®] Sprockets

Sprockets for DOUBLE PLUS Chain
(For DOUBLE PLUS "VR," "VRP," "VR-SC," & "VRP-SC")

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter D_o	Pitch Diameter D_p	Catalog Number	List Price	Plain Bore d	Hub Diameter D_h	Hub Length L	Hub Type	Tooth Thickness T	M	Weight Lbs.
10	2.480	2.427	C2030VRP-10T-SC	\$112.12	.500	1.457	.984	B	.118	.602	.44
10	3.346	3.236	C2040VRP-10T-SC	152.91	.630	2.047	1.575	B	.157	.803	1.76
10	4.213	4.045	C2050VRP-10T-SC	221.88	.630	2.598	1.772	B	.197	1.004	3.31
10	5.039	4.854	C2060VRP-10T-SC	307.76	.748	3.189	1.969	B	.236	1.201	5.52
10	6.772	6.472	C2080VRP-10T-SC	872.06	.906	4.331	2.638	B	.472	1.870	15.40



Double Single Sprockets

40 Double Single Sprockets 1/2" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
15	2.650	DS40A15	\$78.00	1/2	1 1/4	1 13/32	1 1/8	1 13/16	1.20
16	2.810	DS40A16	82.40	1/2	1 1/4	1 13/32	1 1/8	2	1.40
17	2.980	DS40A17	89.00	1/2	1 5/16	1 13/32	1 1/8	2 1/8	1.60
18	3.140	DS40A18	93.40	1/2	1 1/2	1 13/32	1 1/8	2 5/16	1.80
19	3.300	DS40A19	102.40	5/8	1 11/16	1 13/32	1 1/8	2 1/2	2.20
20	3.460	DS40A20	109.00	5/8	1 3/4	1 13/32	1 1/8	2 5/8	2.60
21	3.620	DS40A21	113.40	5/8	1 3/4	1 13/32	1 1/8	2 25/32	2.90
22	3.780	DS40A22	122.40	5/8	1 5/16	1 13/32	1 1/8	2 15/16	3.00
23	3.940	DS40A23	129.00	5/8	2 1/16	1 13/32	1 1/8	3 3/32	3.50
24	4.100	DS40A24	138.00	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.

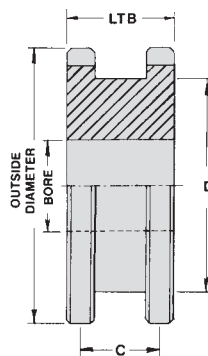
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
15	3.320	DS50A15	\$111.20	5/8	1 1/2	1 21/32	1 5/16	2 3/8	2.10
16	3.520	DS50A16	122.40	5/8	1 11/16	1 21/32	1 5/16	2 1/2	2.40
17	3.720	DS50A17	133.40	5/8	1 3/4	1 21/32	1 5/16	2 11/16	2.90
18	3.920	DS50A18	149.00	5/8	1 7/8	1 21/32	1 5/16	2 57/64	3.30
19	4.120	DS50A19	153.40	5/8	2 1/16	1 21/32	1 5/16	3 5/64	3.70
20	4.320	DS50A20	162.40	5/8	2 1/4	1 21/32	1 5/16	3 39/32	4.20
21	4.520	DS50A21	164.60	5/8	2 1/4	1 21/32	1 5/16	3 31/64	4.80
22	4.720	DS50A22	171.40	5/8	2 7/16	1 21/32	1 5/16	3 11/16	5.30
23	4.920	DS50A23	178.00	5/8	2 5/8	1 21/32	1 5/16	3 57/64	5.80
24	5.120	DS50A24	186.80	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	Catalog Number	List Price	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	3.490	DS60A13	\$124.60	3/4	1 1/2	1 15/16	1 31/64	2 11/32	2.60
14	3.740	DS60A14	133.40	3/4	1 3/4	1 15/16	1 31/64	2 9/16	3.20
15	3.980	DS60A15	144.60	3/4	1 7/8	1 15/16	1 31/64	2 7/8	3.80
16	4.220	DS60A16	155.80	3/4	2	1 15/16	1 31/64	3 3/64	4.50
17	4.460	DS60A17	164.60	3/4	2 1/4	1 15/16	1 31/64	3 1/4	5.30
18	4.700	DS60A18	175.80	3/4	2 3/8	1 15/16	1 31/64	3 1/2	6.50
19	4.950	DS60A19	206.80	3/4	2 1/2	1 15/16	1 31/64	3 45/64	6.80
20	5.190	DS60A20	215.80	3/4	2 3/4	1 15/16	1 31/64	3 61/64	7.00
21	5.430	DS60A21	220.20	3/4	2 7/8	1 15/16	1 31/64	4 3/16	7.50

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES



Double Single Sprockets

80 Double Single Sprockets 1" Pitch

Dimensions are in inches unless otherwise indicated.

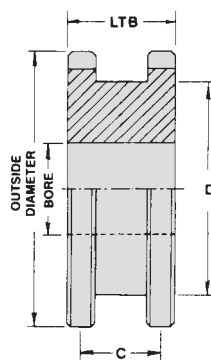
No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	4.660	DS80A13	\$217.00	1	2	2 ³ / ₁₆	1 ⁵ / ₈	3 ¹ / ₆₄	6.50
14	4.980	DS80A14	248.20	1	2 ¹ / ₄	2 ³ / ₁₆	1 ⁵ / ₈	3 ¹¹ / ₃₂	7.70
15	5.300	DS80A15	267.60	1	2 ³ / ₈	2 ³ / ₁₆	1 ⁵ / ₈	3 ¹³ / ₁₆	9.10
16	5.630	DS80A16	272.40	1	2 ¹¹ / ₁₆	2 ³ / ₁₆	1 ⁵ / ₈	4	9.50
17	5.950	DS80A17	279.60	1	2 ³ / ₁₆	2 ³ / ₁₆	1 ⁵ / ₈	4 ⁵ / ₁₆	10.80
18	6.270	DS80A18	286.80	1	3 ¹ / ₈	2 ³ / ₁₆	1 ⁵ / ₈	4 ⁴¹ / ₆₄	12.10
19	6.590	DS80A19	299.00	1	3 ¹ / ₂	2 ³ / ₁₆	1 ⁵ / ₈	4 ⁶¹ / ₆₄	12.80
20	6.910	DS80A20	313.40	1	3 ¹ / ₂	2 ³ / ₁₆	1 ⁵ / ₈	5 ⁹ / ₃₂	14.00
21	7.240	DS80A21	330.40	1	3 ³ / ₄	2 ³ / ₁₆	1 ⁵ / ₈	5 ¹⁹ / ₃₂	16.50
22	7.560	DS80A22	344.80	1	3 ⁷ / ₈	2 ³ / ₁₆	1 ⁵ / ₈	5 ⁵⁹ / ₆₄	18.40

100 Double Single Sprockets 1¹/₄" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Plain Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	5.820	DS100A13	\$337.60	1	2 ¹ / ₂	2 ¹¹ / ₁₆	2	3 ²⁵ / ₃₂	11.20
14	6.230	DS100A14	352.00	1 ¹ / ₄	2 ³ / ₄	2 ¹¹ / ₁₆	2	4 ³ / ₁₆	13.50
15	6.630	DS100A15	366.40	1 ¹ / ₄	3 ¹ / ₁₆	2 ¹¹ / ₁₆	2	4 ¹⁹ / ₃₂	16.80
16	7.030	DS100A16	390.60	1 ¹ / ₄	3 ¹ / ₄	2 ¹¹ / ₁₆	2	4 ¹ / ₂	19.30
17	7.440	DS100A17	434.00	1 ¹ / ₄	3 ⁵ / ₈	2 ¹¹ / ₁₆	2	4 ²⁹ / ₃₂	21.50
18	7.840	DS100A18	455.60	1 ¹ / ₄	3 ³ / ₄	2 ¹¹ / ₁₆	2	5 ⁹ / ₃₂	23.00
19	8.240	DS100A19	470.20	1 ¹ / ₄	4 ³ / ₁₆	2 ¹¹ / ₁₆	2	6 ¹³ / ₆₄	25.00
20	8.640	DS100A20	506.20	1 ¹ / ₄	4 ¹³ / ₁₆	2 ¹¹ / ₁₆	2	6 ³⁹ / ₆₄	26.50
21	9.040	DS100A21	532.80	1 ¹ / ₄	5 ¹ / ₄	2 ¹¹ / ₁₆	2	7	29.00

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES



Double Single TAPER-LOCK®

40 Double Single TAPER-LOCK 1/2" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
19	3.300	DS40ATL19	\$142.40	1215	1 1/4	1 13/32	1 1/8	2 1/2	1.10
23	3.940	DS40ATL23	162.40	1615	1 5/8	1 13/32	1 1/8	3 3/32	1.50
24	4.100	DS40ATL24	173.60	1615	1 5/8	1 13/32	1 1/8	3 17/64	1.70

50 Double Single TAPER-LOCK 5/8" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	3.520	DS50ATL17	\$178.00	1615	1 5/8	2 1/32	1 5/16	2 11/16	1.80
19	4.120	DS50ATL19	195.80	1615	1 5/8	2 1/32	1 5/16	3 5/64	2.70
21	4.520	DS50ATL21	200.20	2012	2	2 1/32	1 5/16	3 15/32	3.30
24	5.120	DA50ATL24	211.40	2012	2	2 1/32	1 5/16	4 5/64	4.10

60 Double Single TAPER-LOCK 3/4" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	4.460	DS60ATL17	\$218.00	1615	1 5/8	1 15/16	1 31/64	3 7/32	4.50
18	4.700	DS60ATL18	229.20	2012	2	1 15/16	1 31/64	3 15/32	5.00
19	4.950	DS60ATL19	260.40	2012	2	1 15/16	1 31/64	3 45/64	5.80
20	5.190	DS60ATL20	264.80	2517	2 1/2	1 15/16	1 31/64	3 31/64	5.60
21	5.430	DS60ATL21	273.60	2517	2 1/2	1 15/16	1 31/64	4 3/16	6.40
24	6.150	DA60ATL24	287.00	2517	2 1/2	1 15/16	1 31/64	4 29/32	8.20

80 Double Single TAPER-LOCK 1" Pitch

Dimensions are in inches unless otherwise indicated.

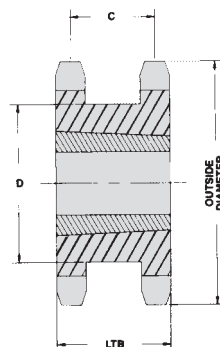
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	5.950	DS80ATL17	\$344.80	2517	2 1/2	2 3/16	1 5/8	4 5/16	7.60
19	6.590	DS80ATL19	383.40	3020	3	2 3/16	1 5/8	4 61/64	9.70
20	6.910	DS80ATL20	402.60	3020	3	2 3/16	1 5/8	5 3/32	10.00

100 Double Single TAPER-LOCK 1 1/4" Pitch

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Max. Bore	LTB	C	D	Wt. Lbs.
17	7.440	DS100ATL17	\$528.00	3020	3	2 11/16	2	5 15/32	14.00
21	9.040	DS100ATL21	590.60	3020	3	2 11/16	2	7	27.50

Some sizes are made to order. Consult U.S. Tsubaki for availability. TAPER-LOCK® is a registered trademark of Rockwell Automation.



TAPER-LOCK® Weld-on Hubs

U.S. Tsubaki offers the most complete line of QD® and TAPER-LOCK weld-on hubs for insertion and welding to produce “B” style sprockets, sheaves, and other applications **without** hub protrusion. To provide greater strength for this type of shaft-locking mechanism and to reduce heat distortion caused by welding, these hubs are dimensionally

the same as our sprocket items. Special dimensional hubs are available per your specifications on a made-to-order basis.

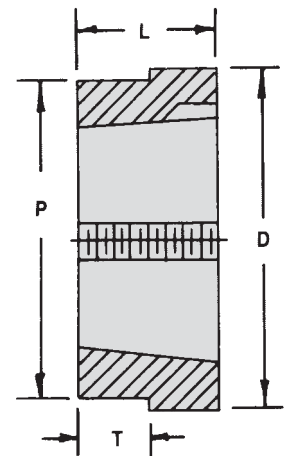
All U.S. Tsubaki hubs are made from **steel bar stock** (not powdered or sintered metal). The QD and TAPER-LOCK weld-on hubs listed below include appropriate tapered bores and mounting holes.

TAPER-LOCK Weld-on Hubs

Dimensions are in inches unless otherwise indicated.

Catalog Number	List Price	Wt. Lbs.	Use Bushing	Dim D	Dim P	Dim L	Dim T
35TL1	\$86.40	.80	1610	3	2 ⁷ / ₈	1	9 ⁵ / ₆₄
40TL1	86.80	.80	1610	3	2 ⁷ / ₈	1	1 ¹ / ₄
40TL2	95.20	1.50	2012	3 ⁵ / ₈	3 ⁷ / ₁₆	1 ¹ / ₄	1 ¹ / ₄
40TL3	175.20	2.70	2517	4 ¹ / ₄	4 ¹ / ₈	1 ³ / ₄	1 ¹ / ₄
50TL1	95.20	1.50	2012	3 ⁵ / ₈	3 ⁷ / ₁₆	1 ¹ / ₄	5 ¹ / ₁₆
50TL2	175.20	2.70	2517	4 ¹ / ₄	4 ¹ / ₈	1 ³ / ₄	5 ¹ / ₁₆
60TL1	95.20	1.50	2012	3 ⁵ / ₈	3 ⁷ / ₁₆	1 ¹ / ₄	7 ¹ / ₁₆
60TL2	175.20	2.70	2517	4 ¹ / ₄	4 ¹ / ₈	1 ³ / ₄	7 ¹ / ₁₆
80TL1	95.20	1.50	2012	3 ⁵ / ₈	3 ⁷ / ₁₆	1 ¹ / ₄	9 ¹ / ₁₆
80TL2	175.20	2.70	2517	4 ¹ / ₄	4 ¹ / ₈	1 ³ / ₄	9 ¹ / ₁₆
80TL3	240.00	4.30	3020	5 ¹ / ₄	5	2	9 ¹ / ₁₆
100TL1	175.20	2.70	2517	4 ¹ / ₂	4 ¹ / ₈	1 ³ / ₄	1 ¹¹ / ₁₆
100TL2	240.00	4.30	3020	5 ¹ / ₄	5	2	1 ¹¹ / ₁₆
120TL1	175.20	2.60	2517	4 ¹ / ₄	4	1 ³ / ₄	7 ⁷ / ₈
120TL2	240.00	4.20	3020	5 ¹ / ₄	5	2	7 ⁷ / ₈
120TL3	628.00	13.00	3535	6 ¹ / ₂	6 ¹ / ₂ *	3 ¹ / ₂	—
140TL1	902.00	25.00	4040	7 ³ / ₄	7 ³ / ₄ *	4	—
160TL1	240.00	4.00	3020	5 ¹ / ₄	5	2	1 ¹ / ₈
160TL2	628.00	12.60	3535	6 ¹ / ₂	6 ¹ / ₄	3 ¹ / ₂	1 ¹ / ₈
160TL3	1277.60	42.00	4545	8 ³ / ₄	8 ³ / ₄ *	4 ¹ / ₂	—

* These items have no hub step.



TAPER-LOCK Type W Weld-on Hubs

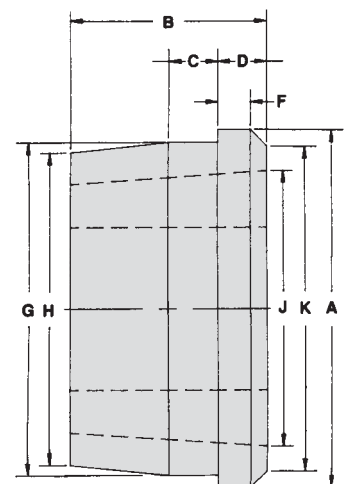
Dimensions are in inches unless otherwise indicated.

Hub Number	List Price	For Use with Bushing No.	Max. Bore of Bushing	A	B	C	D	F	G*	H	J	K	Wt. Lbs.
W12	\$103.20	1215	1 ¹ / ₄	2 ⁷ / ₈	1 ¹ / ₂	3 ⁵ / ₈	5 ⁵ / ₈	3 ⁵ / ₈	2 ¹ / ₂	2 ³ / ₈	1 ⁷ / ₈	2 ⁵ / ₈	1.30
W16	111.60	1615	1 ⁵ / ₈	3 ¹ / ₄	1 ¹ / ₂	3 ⁵ / ₈	5 ⁵ / ₈	3 ⁵ / ₈	2 ⁷ / ₈	2 ³ / ₄	2 ³ / ₈	3	1.50
W25	163.60	2517	2 ¹ / ₂	4 ⁷ / ₈	1 ³ / ₄	1 ¹ / ₂	3 ³ / ₄	3 ⁵ / ₈	4 ³ / ₈	4 ¹ / ₄	3 ³ / ₈	4 ⁵ / ₈	4.00
W30	309.20	3030	3	5 ¹ / ₂	3	3 ³ / ₄	3 ³ / ₄	1 ¹ / ₄	5 ¹ / ₈	4 ¹³ / ₁₆	4 ¹ / ₈	5	8.60
W35	482.40	3535	3 ¹ / ₂	6 ³ / ₄	3 ¹ / ₂	1 ¹ / ₄	1	3 ⁵ / ₈	6 ¹ / ₄	5 ¹⁵ / ₁₆	5	6	15.00
W40	694.40	4040	4	7 ³ / ₄	4	1 ¹ / ₂	1	3 ⁵ / ₈	7 ¹ / ₄	6 ⁷ / ₈	5 ³ / ₄	7	29.00
W45	858.40	4545	4 ¹ / ₂	8 ³ / ₄	4 ¹ / ₂	1 ³ / ₄	1	3 ⁵ / ₈	8	7 ⁵ / ₈	6 ³ / ₈	8	42.00

TAPER-LOCK type W weld-on hubs are designed for use in applications such as welding to plate sprockets, pulleys, and agitators. They are made of steel, drilled, tapped, and taper bored for TAPER-LOCK bushings.

TAPER-LOCK® is a registered trademark of Rockwell Automation.

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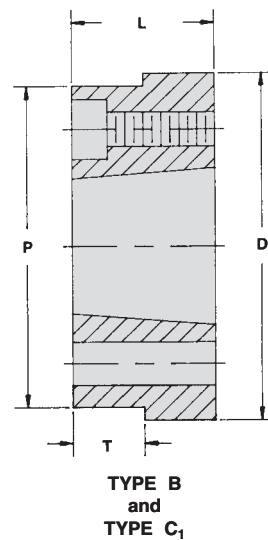
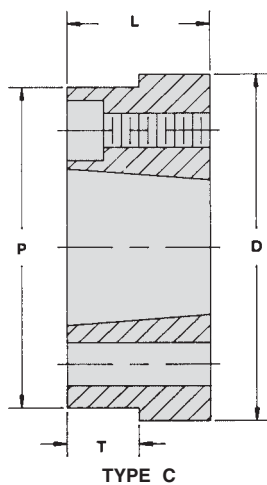


QD[®] Weld-on Hubs

Dimensions are in inches unless otherwise indicated.

Catalog Number	List Price	Wt. Lbs.	Use Bushing	Dim D	Dim P	Dim L	Dim T	Type
35SHW	\$108.00	.90	SH	3	2 ⁷ / ₈	1 ³ / ₁₆	9 ⁹ / ₆₄	B
40SDSW	144.00	1.00	SDS	3 ¹ / ₂	3 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	B
40SKW	192.00	2.40	SK	4 ¹ / ₄	3 ⁷ / ₈	1 ¹ / ₄	1 ¹ / ₄	B
50SDSW	144.00	1.00	SDS	3 ⁵ / ₈	3 ⁷ / ₁₆	3 ³ / ₄	5 ⁵ / ₁₆	B
50SKW	192.00	2.40	SK	4 ¹ / ₄	4 ¹ / ₈	1 ¹ / ₄	5 ⁵ / ₁₆	B
50SFW	300.00	3.70	SF	5	4 ⁵ / ₈	1 ¹ / ₄	5 ⁵ / ₁₆	B
60SDSW	144.00	1.00	SDS	3 ¹ / ₂	3 ¹ / ₈	3 ³ / ₄	7 ¹ / ₁₆	B
60SKW	192.00	2.40	SK	4 ¹ / ₄	3 ⁷ / ₈	1 ¹ / ₄	7 ¹ / ₁₆	B
60SFW	300.00	3.60	SF	5	4 ⁵ / ₈	1 ¹ / ₄	7 ¹ / ₁₆	B
60EW	432.00	7.80	E	6 ¹ / ₄	5 ⁷ / ₈	1 ⁵ / ₈	7 ¹ / ₁₆	B
80SFW	300.00	3.50	SF	5	4 ⁵ / ₈	1 ¹ / ₄	9 ⁹ / ₁₆	B
80EW	432.00	7.70	E	6 ¹ / ₄	5 ⁷ / ₈	1 ⁵ / ₈	9 ⁹ / ₁₆	C
80FW	672.00	14.70	F	7	6 ⁵ / ₈	2 ¹ / ₂	9 ⁹ / ₁₆	C
100EWB	432.00	7.50	E	6 ¹ / ₄	5 ⁷ / ₈	1 ⁵ / ₈	1 ¹ / ₁₆	B
100EWC	520.00	7.50	E	6 ¹ / ₄	5 ⁷ / ₈	1 ⁵ / ₈	1 ¹ / ₁₆	C
100FW	672.00	14.60	F	7	6 ⁵ / ₈	2 ¹ / ₂	1 ¹ / ₁₆	C
120EW	432.00	7.40	E	6 ¹ / ₄	5 ⁷ / ₈	1 ⁵ / ₈	7 ⁷ / ₈	B
120FW	672.00	14.30	F	7	6 ⁵ / ₈	2 ¹ / ₂	7 ⁷ / ₈	C
120JW	864.00	23.70	J	8	7 ¹ / ₂	3 ³ / ₁₆	7 ⁷ / ₈	C
160FW	672.00	14.00	F	7	6 ⁵ / ₈	2 ¹ / ₂	1 ³ / ₃₂	B
160JW	864.00	23.30	J	8	7 ¹ / ₂	3 ³ / ₁₆	1 ¹ / ₈	C
160MW	2,280.00	59.30	M	10	9 ¹ / ₂	5 ³ / ₁₆	2 ¹ / ₄	C ₁

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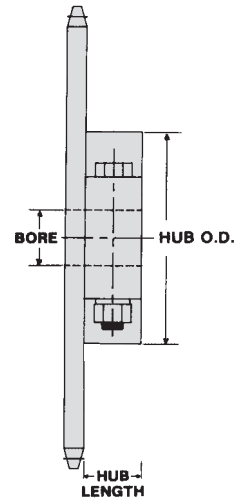
Steel Split Sprockets

Steel Split Hub

Dimensions are in inches unless otherwise indicated.

Hub Number	List Price	Bore	Hub O.D.	Hub Length	Bolts	Wt. Lbs.
S-1B	\$334.00	¾ — 1½	3⅞	1	¾ x 2¼	1.80
S-2B	368.00	1⅜ — 2¼	4⅞	1¼	½ x 3	4.00
S-3B	436.00	2 — 3	6	1⅜	⅝ x 4½	8.40
S-4B	564.00	2¾ — 4	7⅞	1½	¾ x 5½	14.40
S-5B	636.00	3¾ — 5	9¼	2	1 x 6	27.70
S-6B	930.00	4¾ — 6	10¼	2¼	1 x 6½	35.40

NOTE: Length through bore can be determined by adding plate thickness to hub length. (All dimensions in inches.)



Sprocket Size for Instant Hubs

Dimensions are in inches unless otherwise indicated.

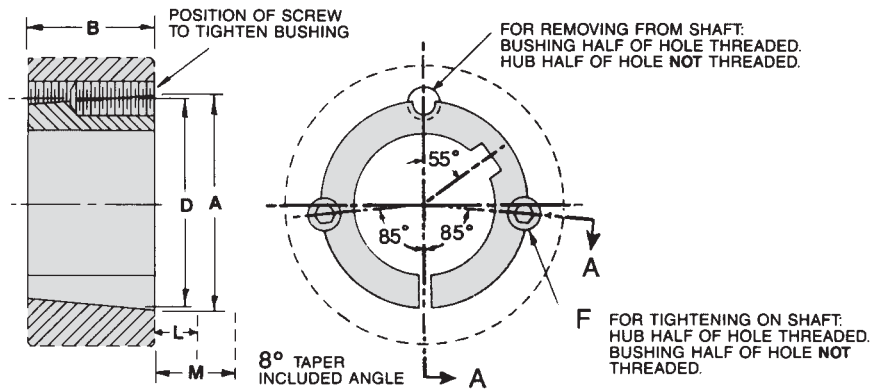
Hub Number	Bore	Minimum Number of Teeth										
		Chain Number										
		40	50	60	80	100	120	140	160	180	200	240
S-1B	¾ — 1½	28	23	20	16	—	—	—	—	—	—	—
S-2B	1⅜ — 2¼	38	30	26	20	17	15	14	—	—	—	—
S-3B	2 — 3	46	37	32	25	20	18	16	15	14	—	—
S-4B	2¾ — 4		48	40	30	25	21	19	17	16	15	12
S-5B	3¾ — 5					30	25	22	20	18	17	14
S-6B	4¾ — 6					32	27	24	22	19	18	15

TAPER-LOCK[®] Bushings

TAPER-LOCK Bushings — 1008 through 3030

Dimensions are in inches unless otherwise indicated.

Bushing No.	List Price	Bore Range**	A	B	D	Std. F 2 Required	L*		M*		Wt. Lbs.
							Short Hex Key	Std. Key ?	Short Hex Key	Key ?	
1008	\$23.20	1/2 — 1	1.386	7/8	1 21/64	1/4 x 1/2	1 1/8	5/8	1 1/4	3/4	.20
1108	24.00	1/2 — 1 1/8	1.511	7/8	1 29/64	1/4 x 1/2	1 1/8	5/8	1 1/4	3/4	.25
1210	25.60	1/2 — 1 1/4	1 7/8	1	1 3/4	3/8 x 5/8	1 3/8	1 3/16	1 5/8	1 1/16	.55
1215	28.00	1/2 — 1 1/4	1 7/8	1 1/2	1 3/4	3/8 x 5/8	1 3/8	1 3/16	1 5/8	1 1/16	.70
1310	28.80	1/2 — 1 3/8	2	1	1 7/8	3/8 x 5/8	1 3/8	1 3/16	1 5/8	1 1/16	.65
1610	29.60	1/2 — 1 5/8	2 1/4	1	2 1/8	3/8 x 5/8	1 3/8	1 3/16	1 5/8	1 1/16	.70
1615	30.80	1/2 — 1 5/8	2 1/4	1 1/2	2 1/8	3/8 x 5/8	1 3/8	1 3/16	1 5/8	1 1/16	1.00
2012	40.00	1/2 — 2	2 3/4	1 1/4	2 5/8	7/16 x 7/8	1 9/16	1 5/16	2	1 3/8	1.40
2517	49.20	1/2 — 2 1/2	3 3/8	1 3/4	3 1/4	1/2 x 1	1 5/8	1	2 1/4	1 5/8	3.20
2525	72.80	3/4 — 2 1/2	3 3/8	2 1/2	3 1/4	1/2 x 1	1 5/8	1	2 1/4	1 5/8	4.30
3020	74.00	1 5/16 — 3	4 1/4	2	4	5/8 x 1 1/4	1 13/16	1 3/16	2 1 1/16	2 1/16	5.80
3030	108.00	1 5/16 — 3	4 1/4	3	4	5/8 x 1 1/4	1 13/16	1 3/16	2 1 1/16	2 1/16	8.00



NOTE:

Metric bore sizes are available upon request and are subject to an alteration charge shown on discount multiplier sheets.

All TAPER-LOCK Bushings are available in steel from stock.

Stainless steel bushings are available on a quoted basis. Please consult factory for pricing.

- ★ Space required to tighten bushing. Also space required to loosen screws to permit removal of hub by puller.
- ★ Space required to remove bushing using jackscrews — no puller required.
- ★★ All bore ranges available in 1/16th inch increments.
- ? Standard hex key cut to minimum usable length.

TAPER-LOCK® Bushings

TAPER-LOCK Bushings — 3535 through 5050

Dimensions are in inches unless otherwise indicated.

Bushing No.	List Price	Bore Range	A	B	D	F 3 Required	G	L*		M*		Wt. Lbs.
								Std. Hex Key	Short Key	Std. Hex Key	Short Key	
3535	\$152.00	See Below	5	3½	4.83	½ x 1½	39°	2	1½/16	3¾	2¼/16	11.00
4040	244.00	See Below	5¾	4	5.54	5/8 x 1¾	40°	2¾	1½	4½	3¾	17.00

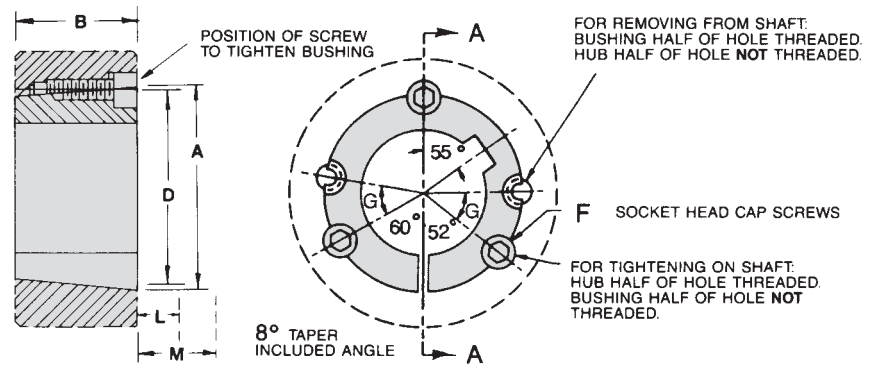
NOTE:

Metric bore sizes are available upon request.

- ▲ Standard hex key cut to minimum usable length.

Steel or stainless steel bushings are available on a quoted basis. Please consult factory for pricing.

- ★ Space required to tighten bushing. Also space required to loosen screws to permit removal of hub by puller.
- ★ Space required to remove bushing using jackscrews — no puller required.



Bushing	Bore Range																							
	1½/16	1¼	1¾	17/16	1½	1⅝	111/16	1¾	17/8	115/16	2	2⅛	23/16	2¼	25/16	2⅝	27/16	2½	2⅝	211/16	2¾	27/8	215/16	
3535	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4040													X	X		X	X	X				X	X	X

Bushing	Bore Range																								
	3	3⅝	33/16	3¼	35/16	3⅝	37/16	3½	3⅝	311/16	3¾	37/8	315/16	4	4⅛	43/16	4¼	4⅝	47/16	4½	4¾	47/8	415/16	5	
3535	X	X	X	X	X	X	X	X	X	X	X	X	X												
4040	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					

NOTE:

- X = Available at list price.
- No indicator = Available, but subject to alteration charges.

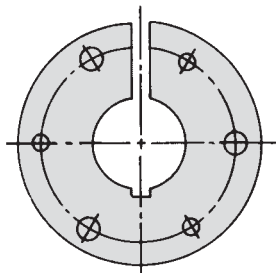
TAPER-LOCK® is a registered trademark of Rockwell Automation.

QD[®] Bushings

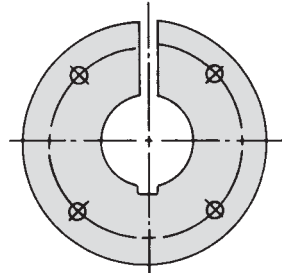
Dimensions are in inches unless otherwise indicated.

QD [®] Bushing	List Price	Bore Range						No Keyway
		Standard Keyway			Shallow Keyway			
JA	\$21.80	1/2	—	1	1 1/16	—	1 3/16	1 1/4
SH	29.80	1/2	—	1 3/8	1 7/16	—	1 5/8	1 11/16
SDS	34.60	1/2	—	1 11/16	1 3/4	—	1 15/16	2
SD	41.60	1/2	—	1 11/16	1 3/4	—	1 15/16	2
SK	53.60	1/2	—	2 1/8	2 3/16	—	2 1/2	2 9/16 — 2 5/8
SF	66.00	1/2	—	2 5/16	2 3/8	—	2 13/16	2 13/16 — 2 15/16
E	138.40	7/8	—	2 7/8	2 15/16	—	3 1/2	—
F	248.00	1	—	3 1/4	3 5/16	—	3 15/16	4
J	308.00	1 1/2	—	3 7/8	3 15/16	—	4 1/2	—
M	308.00	2	—	4 3/4	4 7/8	—	5 1/2	—
N	540.00	2 7/16	—	5	5 1/8	—	5 7/8	—

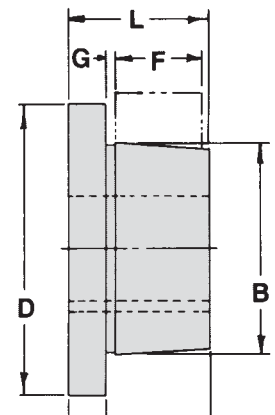
QD[®] is a registered trademark of and is used under license from Emerson Power Transmission Manufacturing, L.P.



? Bushings JA to J



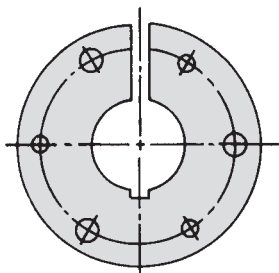
? Bushings M to N



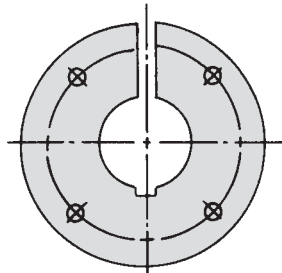
QD® Bushings

Dimensions are in inches unless otherwise indicated.

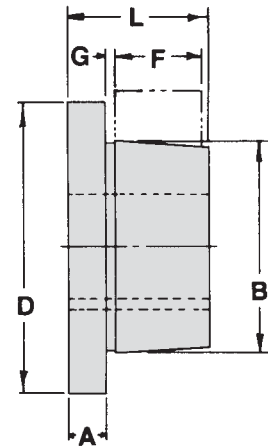
QD® Bushings										
Bushing	List Price	A	B	D	F	G	L	Bolt Circle?	Cap Screws Required	Wt. Lbs.
JA	\$21.80	5/16	1 3/8	2	9/16	1/8	1	1 21/32	(3) #10 x 1	.80
SH	29.80	7/16	1 7/8	2 5/8	3/4	1/8	1 5/16	2 1/4	(3) 1/4 x 1 3/8	.70
SDS	34.60	7/16	2 3/16	3 3/16	3/4	1/8	1 5/16	2 11/16	(3) 1/4 x 1 3/8	1.00
SD	41.60	7/16	2 3/16	3 3/16	1 1/4	1/8	1 3/16	2 11/16	(3) 1/4 x 1 7/8	1.20
SK	53.60	9/16	2 13/16	3 7/8	1 1/4	7/32	1 5/16	3 5/16	(3) 5/16 x 2	2.10
SF	66.00	5/8	3 1/8	4 5/8	1 1/4	7/32	2 1/16	3 7/8	(3) 3/8 x 2	3.10
E	138.40	7/8	3 59/64	6	1 5/8	1/4	2 3/4	5	(3) 1/2 x 2 3/4	7.10
F	248.00	1	4 7/16	6 5/8	2 1/2	11/32	3 3/4	5 5/8	(3) 9/16 x 3 5/8	8.70
J	308.00	1 1/8	5 9/64	7 1/4	3 3/16	3/8	4 5/8	6 1/4	(3) 5/8 x 4 1/2	16.80
M	308.00	1 1/4	6 1/2	9	5 3/16	1 3/32	6 3/4	7 7/8	(4) 3/4 x 6 3/4	56.00
N	540.00	1 1/2	7	10	6 1/4	9/16	8 1/8	8 1/2	(4) 7/8 x 8	68.00



? Bushings JA to J



? Bushings M to N



Bushing	Bore Range																						
	1	1 1/16	1 1/8	1 1/16	1 1/4	1 5/16	1 3/8	1 7/16	1 1/2	1 9/16	1 5/8	1 11/16	1 3/4	1 13/16	1 7/8	1 15/16	2	2 1/16	2 1/8	2 3/16	2 1/4	2 5/16	2 3/8
F	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
J									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M																	X	X	X	X	X	X	X
N																							

Bushing	Bore Range																						
	2 7/16	2 1/2	2 9/16	2 5/8	2 11/16	2 3/4	2 13/16	2 7/8	2 15/16	3	3 1/16	3 1/8	3 3/16	3 1/4	3 5/16	3 3/8	3 7/16	3 1/2	3 9/16	3 5/8	3 11/16	3 3/4	3 13/16
F	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
J	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M	X	X	?	X	?	X	?	X	X	X	?	X	?	X	X	X	X	X	?	X	X	X	?
N	X	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	X	?	?	?	?	?	X

Bushing	Bore Range																								
	3 3/8	3 13/16	4	4 1/16	4 1/8	4 3/16	4 1/4	4 5/16	4 3/8	4 7/16	4 1/2	4 9/16	4 5/8	4 11/16	4 3/4	4 13/16	4 7/8	4 15/16	5	5 1/8	5 1/4	5 1/16	5 1/2	5 5/8	5 11/16
F	X	X	X																						
J	X	X	X	X	X	X	X	X	X	X	X														
M	X	X	X	X	?	X	X	?	X	X	X	?	?	X	X		X	X	X	?	X	X	X		
N	X	X	X	X	?	?	X	X	?	X	X	?	?	?	X	X	X	X	X	X	X	X	?	X	X

? Available upon request

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Idler Sprockets—Chain Tensioners

Bronze Bushed Sprocket Idlers for Use with All Steel Tighteners

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Suggested Tightener	ANSI Chain No.	Hub Dia.	LTB	Bushed Bore Dia.	Wt. Lbs.
15	1.990	35B15T	\$41.00	0	35	1 $\frac{3}{8}$	$\frac{15}{16}$	$\frac{1}{2}$	.32
13	2.329	41B13T	56.80	0	41	1 $\frac{9}{16}$	$\frac{15}{16}$	$\frac{1}{2}$	.52
13	2.329	40B13T	58.00	0	40	1 $\frac{9}{16}$	$\frac{15}{16}$	$\frac{1}{2}$	.52
13	2.911	50B13T	62.80	0	50	2	$\frac{15}{16}$	$\frac{1}{2}$	.97
21	2.713	35B21T	54.80	1	35	2 $\frac{1}{8}$	1 $\frac{1}{16}$	$\frac{7}{8}$	.82
19	3.296	40B19T	75.60	1	40	2 $\frac{7}{16}$	1 $\frac{1}{16}$	$\frac{7}{8}$	1.50
17	3.719	50B17T	85.00	1	50	2 $\frac{5}{8}$	1 $\frac{1}{16}$	$\frac{7}{8}$	1.80
15	3.979	60B15T	107.20	1	60	2 $\frac{1}{16}$	1 $\frac{1}{16}$	$\frac{7}{8}$	2.50
17	4.462	60B17T	144.00	2	60	2 $\frac{7}{8}$	1 $\frac{9}{16}$	1 $\frac{1}{8}$	3.30
15	5.305	80B15T	177.20	2	80	3 $\frac{1}{2}$	1 $\frac{9}{16}$	1 $\frac{1}{8}$	5.60

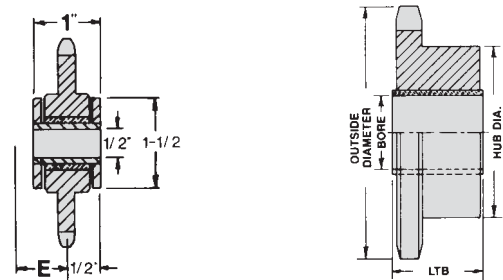
NOTE: Idlers other than stock furnished on a made-to-order basis

Bronze Bushed Idler Sprockets with Steel Journals

Dimensions are in inches unless otherwise indicated.

No. Teeth	Outside Diameter	Catalog Number	List Price	Chain Size	Stock Bore	E* Dim.	Wt. Lbs.
15	3.32	51E15	39.00	50	$\frac{1}{2}$ "	.72"	.70

* Dimension E is minimum space for chain clearance



You need Adjustable Idler Sprockets to:

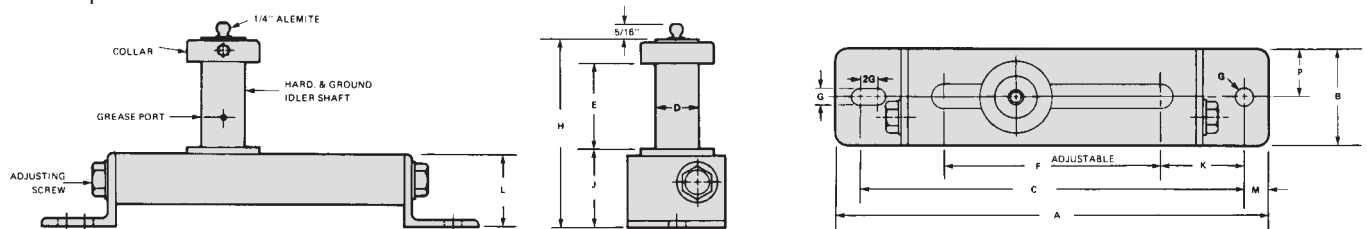
- Obtain proper chain tension when neither driving nor driven shaft is adjustable, and to take up slack chain developed through normal chain wear
- Guide chain around an obstruction
- Prevent whipping action in the slack span of chain transmitting an uneven load
- Bring about greater chain wrap around a small sprocket, particularly if it is the lower sprocket in a vertical drive
- Provide for reversed direction of rotation of a sprocket in contact with the outside of the chain

It is advisable that idler sprockets have at least three teeth in mesh with the chain. Inside mounted idlers usually account for quieter operation, especially if centers are short and speed is moderately high.

- Machined steel sprockets
- Hardened teeth
- Hardened & ground steel journals
- Oil-impregnated sintered bronze bushings

Idler sprockets should not rotate at greater speeds than are allowable for drive sprockets of the same size. They should be mounted in contact with the slack span of chain. Mount them on the outside of the chain when the arc of chain wrap on the smaller sprocket would otherwise be less than 120°.

NOTE: Idler rpm should not exceed 2500 and radial loading should be less than 50 pounds.



Chain Tensioners

Dimensions are in inches unless otherwise indicated.

Size	List Price	A	B	C	D	E	F	G	2G	H	J	K	L	M	P	Wt. Lbs.	Suggested Chain
#0-B	\$144.00	5 $\frac{7}{8}$	1 $\frac{1}{2}$	5 $\frac{1}{4}$	.500	1	2 $\frac{1}{2}$	$\frac{9}{32}$	$\frac{3}{8}$	2 $\frac{13}{16}$	1 $\frac{1}{16}$	1 $\frac{3}{8}$	1 $\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{4}$	1.00	#35,40,41*
#1-B	216.00	9	2	8 $\frac{1}{8}$	.875	1 $\frac{3}{4}$	4 $\frac{1}{2}$	1 $\frac{11}{32}$	$\frac{1}{2}$	4	1 $\frac{5}{8}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	$\frac{1}{2}$	1	2.50	#40,50,60*
#2-B	320.00	13	3	11 $\frac{7}{8}$	1.125	2 $\frac{7}{8}$	6	$\frac{9}{16}$	$\frac{3}{4}$	5 $\frac{11}{16}$	2 $\frac{9}{32}$	2 $\frac{7}{8}$	2	$\frac{5}{8}$	1 $\frac{1}{2}$	6.00	#80,100,120*
#3-B	536.00	14	4	12 $\frac{5}{8}$	1.750	3 $\frac{1}{8}$	6	$\frac{9}{16}$	$\frac{3}{4}$	6 $\frac{1}{4}$	2 $\frac{3}{16}$	3 $\frac{1}{4}$	2	$\frac{3}{4}$	2	12.00	#140,160,200*

* Single-strand chain. For multiple-strand chain, use larger tensioner.

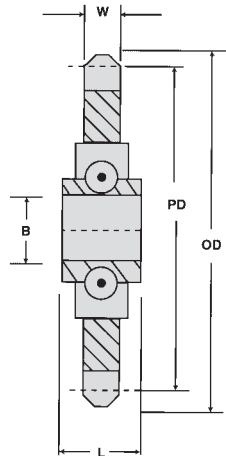
Idler Sprockets—Ball Bearing

Ball Bearing Idler Sprocket Hardened Teeth

Dimensions are in inches unless otherwise indicated.

No. Teeth	Catalog Number	List Price	Chain Size	O.D.	B	L	W	Wt. Lbs.
20	35BB20	\$55.20	35	2.60	.638	.72	.168	.38
17	40BB17	55.60	40	2.97	.638	.72	.284	.52
18	40BB18	56.80	40	3.14	.638	.72	.284	.53
15	50BB15	58.20	50	3.32	.638	.72	.343	.75
17	50BB17	60.00	50	3.72	.638	.72	.343	.78
13	60BB13	65.40	60	3.51	.638	.72	.459	.76
15	60BB15	70.00	60	3.98	.638	.72	.459	1.06
12	80BB12	97.00	80	4.36	.750	.61	.575	1.50

NOTE: 638 Dim. is + .005; 750 Dim. is + .005-.000.



Radial Load Capacity in Lbs. at Various Speeds (Outer Race Rotating)

Sprocket No.	RPM	50	100	300	500	750	1000	1200
35BB20—60BB13	LOAD	650	515	357	300	265	240	225
80BB12	LOAD	1630	1290	895	755	665	600	565

Sprocket No.	RPM	1500	1800	2400	2600	3000	3600	4000
35BB20—60BB13	LOAD	208	195	179	173	155	156	151
80BB12	LOAD	523	493	447	434	415	—	—

Sprocket No.	RPM	4500	5000
35BB20—60BB13	LOAD	143	140

Ratings shown above are based on an average bearing life of 2,500 hours.

Sprocket Engineering Information

Sprocket Terminology
 Sprocket Hardening
 Sprocket Tooth Dimensions
 Sprocket Formulas & Standard Keyways
 Sprocket Pitch Diameter Constants
 Speed Ratios
 Sprocket Diameters

Sprocket Terminology

Hub Type

Hub type refers to the core of the sprocket. Each of the three standard hub types is designed for a specific need.

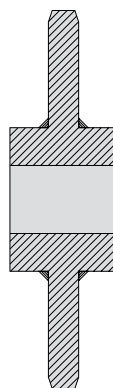
- **Type A** has no hub extension and must be mounted on a flange, hub, or other holding device.
- **Type B** has a hub extension on one side and is usually found on small or medium-size sprockets.
- **Type C** has hub extensions on both sides and is usually found on large-diameter sprockets.



TYPE A



TYPE B



TYPE C

Number of Teeth

The number of teeth on a sprocket is determined by chain pitch and size. Larger sprockets, which have more teeth, generally last longer than smaller sprockets because wearing action is distributed over a greater area. Double-pitch sprockets, which have two teeth per chain pitch, also obtain longer wear life because only half the teeth engage with the chain per revolution. An odd number of teeth will engage with the chain only every other revolution, essentially doubling sprocket life. Periodically advance one tooth to obtain the same effect on double-pitch sprockets with an even tooth count.

Maximum Bore Diameter

The bore must be large enough to accommodate the shaft while maintaining sufficient hub wall thickness for proper strength.

Length Thru Bore (LTB)

Length thru bore, or hub thickness, must accommodate a keyway long enough to withstand shear stress from the shaft.

Pitch Diameter

The diameter of the pitch circle that passes through the center of the pin as the chain engages with the sprocket.

Outside Diameter

The diameter measured from the tip of one sprocket tooth directly across to the tip of the corresponding sprocket tooth.

Bottom Diameter

The diameter measured from the seating curve at the bottom of one sprocket tooth space directly across to the seating curve at the bottom of the corresponding sprocket tooth space.

Caliper Diameter

For sprockets with an odd number of teeth, measured from the seating curve at the bottom of one sprocket tooth space across to the seating curve at the bottom of the sprocket tooth space nearly opposite.

Sprocket Hardening

Hardness Conversion Table				
Rockwell "C" 150 KG. Load	A 60 KG.	Shore Model C	3000 KG. Load	Tensile Str. Lbs. per Sq. In.
			Brinell No.	
10		27	183	91,000
11		28	187	93,000
13		28	192	95,000
14		29	197	97,000
15		30	202	99,000
16		30	207	101,000
17		31	212	104,000
18		31	217	107,000
20	60.5	32	223	110,000
21	61.0	33	229	113,000
22	61.5	34	235	116,000
23	62.0	35	241	119,000
24	62.5	36	248	122,000
25	63.0	37	255	125,000
26	63.5	37	262	128,000
28	64.5	38	269	131,000
29	65.0	39	277	134,000
30	65.5	40	285	138,000
31	66.0	42	293	142,000
32	66.5	43	302	146,000
33	67.0	44	311	150,000
34	67.5	45	321	155,000
35	68.0	46	331	160,000
36	68.5	48	341	165,000
37	69.0	49	352	170,000
38	69.5	51	363	176,000
40	70.5	52	375	182,000
41	71.0	54	388	189,000
42	71.5	55	401	196,000
44	72.5	57	415	204,000
45	73.0	59	429	212,000
46	73.5	61	444	220,000
47	74.0	63	461	229,000
49	75.5	65	477	238,000
50	76.0	67	495	247,000
52	77.0	70	514	256,000
53	77.5	72	534	266,000
55	78.5	75	555	276,000
57	79.5	78	578	287,000
58	80.0	81	601	298,000
60	81.0	84	627	311,000
62	82.5	87	653	324,000
64	83.5	91	682	337,000
66	84.5	95	712	352,000
68	85.5	100	745	368,000
70	86.5	106	780	384,000

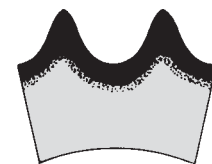
All U.S. Tsubaki sprockets are made from high quality steel. Since chain loadings are evenly distributed over all engaged sprocket teeth, tooth breakage or distortion is not normally a problem. It is seldom necessary to use special high strength material.

Sprocket diameter and pitch determine the specific material used.

The hardening process of small diameter, small pitch sprockets is usually a one-step procedure: heat treatment (electrical induction). Large diameter, large pitch sprockets can usually be directly flame hardened. These methods are used to provide a high hardness at the wear areas, plus provide the ability of the tooth to absorb shock loads. This is accomplished by hardening only the wear area of each tooth while maintaining a ductile tooth core which is tough and resilient. The hubs and bores remain soft to permit reworking.

The general guidelines for sprockets are:

Size	Rockwell Scales	
	A	C
Small pitch, small diameter	68-76	35-50
Large pitch, large diameter	63-70	25-40



Thru Hardened Teeth

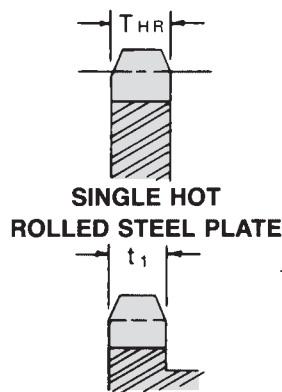
Case hardened on wear surfaces with a tough, resilient core.

Sprocket Tooth Dimensions

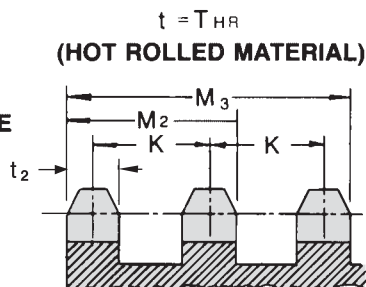
Sprocket Tooth Dimensions — Standard and Heavy Series

Dimensions are in inches unless otherwise indicated.

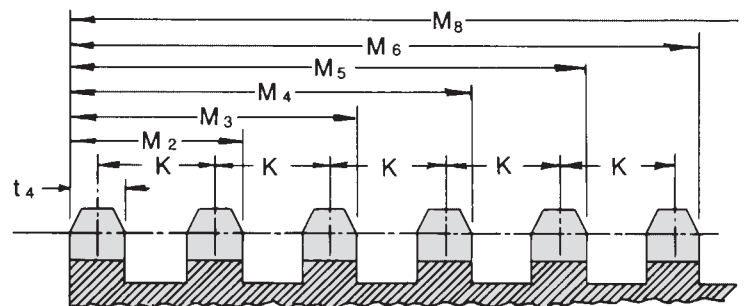
Chain Data for All Sprockets				Single Strand t_1 and T_{HR}	Double and Triple Strand			For 4 or more Strands								Machining Tolerance on "t" and "M"	Hot Rolled Tolerance on T_{HR}
ANSI & U.S.T. No.	Pitch P	Roller Width W	Roller Diam.		t_2	M_2	M_3	t_4	M_2	M_3	M_4	M_5	M_6	M_8	K		
STANDARD SERIES CHAIN SPROCKETS																	
25	1/4	1/8	.130	.110	.107	.359	.611	.096	.348	.600	.852	1.140	1.356	1.860	.252	-.007	-.021
35	3/8	3/16	.200	.168	.162	.561	.960	.149	.548	.947	1.346	1.745	2.144	2.942	.399	-.008	-.027
40	1/2	5/16	.312	.284	.275	.841	1.407	.256	.822	1.388	1.954	2.520	3.086	4.218	.566	-.009	-.035
50	5/8	3/8	.400	.343	.332	1.045	1.758	.311	1.024	1.737	2.450	3.163	3.876	5.302	.713	-.010	-.036
60	3/4	1/2	.469	.459	.444	1.341	2.238	.418	1.315	2.212	3.109	4.006	4.903	6.697	.897	-.011	-.036
80	1	5/8	.625	.575	.557	1.710	2.863	.526	1.679	2.832	3.985	5.138	6.291	8.597	1.153	-.012	-.040
100	1 1/4	3/4	.750	.692	.669	2.077	3.485	.633	2.041	3.449	4.857	6.265	7.673	10.489	1.408	-.014	-.046
120	1 1/2	1	.875	.924	.894	2.683	4.472	.848	2.637	4.426	6.215	8.004	9.793	13.371	1.789	-.016	-.057
140	1 3/4	1	1.000	.924	.894	2.818	4.742	.848	2.772	4.696	6.620	8.544	10.468	14.316	1.924	-.016	-.057
160	2	1 1/4	1.125	1.156	1.119	3.424	5.729	1.063	3.368	5.673	7.978	10.283	12.588	17.198	2.305	-.019	-.062
180	2 1/4	1 13/32	1.406	1.301	1.259	3.851	6.443	1.197	3.789	6.381	8.973	11.565	14.157	19.341	2.592	-.020	-.068
200	2 1/2	1 1/2	1.562	1.389	1.344	4.161	6.978	1.278	4.095	6.912	9.729	12.546	15.363	20.997	2.817	-.021	-.072
240	3	1 7/8	1.875	1.738	1.682	5.140	8.598	1.601	5.059	8.517	11.975	15.433	18.891	—	3.458	-.025	-.087
HEAVY SERIES CHAIN SPROCKETS																	
60H	3/4	1/2	.469	.459	.444	1.472	2.500	.418	1.446	2.474	3.502	4.530	5.558	7.614	1.028	-.011	-.036
80H	1	5/8	.625	.575	.557	1.840	3.123	.526	1.809	3.092	4.375	5.568	6.941	9.507	1.283	-.012	-.040
100H	1 1/4	3/4	.750	.692	.669	2.208	3.747	.633	2.172	3.711	5.250	6.789	8.328	11.406	1.539	-.014	-.046
120H	1 1/2	1	.875	.924	.894	2.818	4.742	.848	2.772	4.696	6.620	8.544	10.468	14.316	1.924	-.016	-.057
140H	1 3/4	1	1.000	.924	.894	2.949	5.004	.848	2.903	4.958	7.013	9.068	11.123	15.233	2.055	-.016	-.057
160H	2	1 1/4	1.125	1.156	1.119	3.555	5.991	1.063	3.499	5.935	8.371	10.807	13.243	18.115	2.436	-.019	-.062
180H	2 1/4	1 13/32	1.406	1.301	1.259	3.982	6.705	1.197	3.920	6.643	9.366	12.089	14.812	20.258	2.723	-.020	-.068
200H	2 1/2	1 1/2	1.562	1.389	1.344	4.427	7.510	1.278	4.361	7.444	10.527	13.610	16.693	22.859	3.083	-.021	-.072



SINGLE



DOUBLE AND TRIPLE



QUADRUPLE AND OTHER MULTIPLES

Sprocket Formulas & Standard Keyways

Dimensions are in inches unless otherwise indicated.

Chain No.	35		41		40		50		60		80		100		120		140		160		200		Chain No.
	Pitch		1/2"		1/2"		5/8"		3/4"		1"		1 1/4"		1 1/2"		1 3/4"		2"		2 1/2"			Pitch
Teeth	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Hub Diam.	Max. Bore	Teeth
6	1/4		27/64		23/64		7/16		9/16	3/8	49/64	17/32	63/64	5/8	13/16	27/32	121/64	7/8	1 1/2	1 1/16	2	13/8	6
7	3/8		19/32	13/32	17/32	5/16	41/64	7/16	53/64	9/16	17/64	25/32	113/32	31/32	145/64	13/16	115/16	1 1/4	213/64	1 1/2	255/64	115/16	7
8	1/2	5/16	49/64	17/32	45/64	15/32	55/64	9/16	15/64	3/4	129/64	1	153/64	1 1/4	213/64	1 1/2	233/64	1 3/4	27/8	2	345/64	29/16	8
9	5/8	7/16	15/16	19/32	59/64	9/16	1 1/16	23/32	121/64	7/8	129/32	1 1/4	21/4	19/16	245/64	1 13/16	37/64	23/16	317/32	27/16	417/32	33/16	9
10	3/4	17/32	13/32	3/4	1 1/64	1 1/16	117/64	7/8	137/64	1 1/8	2 1/8	1 1/16	221/32	1 3/4	313/64	2 1/4	311/16	29/16	413/64	2 7/8	523/64	3 3/4	10
11	7/8	9/16	117/64	7/8	13/16	27/32	131/64	1	113/16	1 1/4	27/16	1 3/4	35/64	23/16	345/64	29/16	41/4	215/16	455/64	35/16	63/16	47/16	11
12	1	1 1/16	127/64	31/32	123/64	7/8	1 11/16	13/16	2 1/16	1 3/8	249/64	1 7/8	331/64	23/8	43/16	27/8	453/64	35/16	5 1/2	33/4	7	57/16	12
13	1 1/8	25/32	119/32	1 1/8	133/64	1 1/16	157/64	1 1/4	25/16	1 5/8	33/32	23/16	357/64	23/4	443/64	31/4	525/64	33/4	69/32	43/8	713/16	61/16	13
14	1 15/64	7/8	13/4	1 1/4	111/16	13/16	23/32	17/16	235/64	1 3/4	327/64	25/16	419/64	215/16	55/32	35/8	531/32	43/16	613/16	5 1/4	85/8	61/2	14
15	1 23/64	7/8	129/32	1 1/4	127/32	1 1/4	29/32	15/8	251/64	1 7/8	33/4	25/8	445/64	31/4	541/64	37/8	617/32	5	729/64	511/16	97/16	7	15
16	1 31/64	1	25/64	1 3/8	2	13/8	231/64	1 3/4	313/32	2 1/8	41/16	23/4	53/32	31/2	61/8	49/16	73/32	5 1/2	83/32	65/16	1015/64	79/16	16
17	1 39/64	1 1/8	215/64	1 9/16	211/64	1 1/2	211/16	1 13/16	39/32	2 1/4	425/64	31/16	51/2	33/4	639/64	51/16	721/32	5 7/8	83/4	7	113/64	83/8	17
18	1 23/32	1 3/16	225/64	1 11/16	221/64	1 5/8	257/64	2	333/64	23/8	449/64	31/4	529/32	4 1/8	73/32	5 1/2	87/32	67/16	925/64	7	1127/32	815/16	18
19	1 27/32	1 1/4	29/16	1 3/4	231/64	1 3/4	33/32	23/16	349/64	25/8	51/32	31/2	65/16	43/4	737/64	513/16	825/32	7	1013/32	7 1/2	1221/32	99/16	19
20	1 31/32	1 3/8	223/32	1 13/16	221/32	1 3/4	319/64	2 1/4	4	23/4	523/64	33/4	645/64	5 1/8	81/16	65/16	911/32	7	1043/64	8	1329/64	103/8	20
21	23/32	1 7/16	27/8	2	213/16	1 15/16	31/2	23/8	415/64	27/8	543/64	37/8	77/64	51/2	835/64	63/4	929/32	7 1/2	115/16	89/16	14 1/4	1015/16	21
22	213/64	1 1/2	31/32	2 1/8	231/32	2 1/16	345/64	29/16	431/64	31/8	6	4 1/4	733/64	53/4	91/64	7	1015/32	81/16	1161/64	9	151/16	119/16	22
23	221/64	1 5/8	313/64	2 1/4	31/8	2 1/4	357/64	23/4	423/32	3 1/4	65/16	43/4	729/32	61/8	9 1/2	71/16	111/32	85/8	1219/32	93/8	1555/64	125/16	23
24	229/64	1 3/4	323/64	2 1/4	319/64	2 1/4	43/32	23/4	461/64	37/16	641/64	5 1/16	85/16	6 1/2	963/64	79/16	1119/32	9	1315/64	10 1/8	1621/32	1215/16	24
25	29/16	1 3/4	333/64	2 3/8	329/64	25/16	419/64	215/16	513/64	35/8	681/64	53/8	845/64	6 1/2	1015/32	81/16	125/32	95/16	137/8	103/16	1729/64	131/16	25

SPROCKET DIAMETER FORMULAS

$$\text{Suggested Maximum Hub Diameter} = \text{Cosine} \frac{180^\circ}{N} \times \text{P.D.} - (H + .050).$$

P.D. = Pitch diameter N = Number of teeth. H = Height of inside plate.

The above maximum bores are not approved for severe service conditions or for Cast Iron Sprockets.

For severe service conditions maximum bores should not be greater than 2/3 of the diameter of the hub.

Maximum bores for Cast Iron Sprockets should be about 15% less than for steel with 1/4" as the minimum difference.

Standard Keyways and Set Screw

Dimensions are in inches unless otherwise indicated.

Diameter of Shaft	Keyseat Width x Depth	*Diameter of Set Screw	Diameter of Shaft	Keyseat Width x Depth	*Diameter of Set Screw
5/16 — 7/16	3/32 x 3/64	8 — 32	213/16 — 31/4	3/4 x 3/8	3/4
1/2 — 9/16	1/8 x 1/16	10 — 24	33/16 — 33/4	7/8 x 7/16	3/4
5/8 — 7/8	3/16 x 3/32	1/4	313/16 — 4 1/2	1 x 1/2	3/4
15/16 — 1 1/4	1/4 x 1/8	5/16	49/16 — 5 1/2	1 1/4 x 5/8	3/4
1 1/16 — 1 3/8	5/16 x 5/32	5/16	59/16 — 6 1/2	1 1/2 x 3/4	1
1 7/16 — 1 3/4	3/8 x 3/16	3/8	69/16 — 7 1/2	1 3/4 x 7/8	1
1 13/16 — 2 1/4	1/2 x 1/4	1/2	79/16 — 8 15/16	2 x 1	1
2 5/16 — 2 3/4	5/8 x 3/16	5/8	9 — 10 15/16	2 1/2 x 1 1/4	1

NOTE: As a general rule, the hub wall over the keyway should be equal to or greater than the diameter of the set screw.

*Set screw size may vary depending on the hub wall thickness.

Sprocket Pitch Diameter Constants

Dimensions are in inches unless otherwise indicated.

Number of Teeth	Constant	Number of Teeth	Constant	Number of Teeth	Constant
4	1.4142	53	16.8803	102	32.473
5	1.7013	54	17.1984	103	32.791
6	2.0000	55	17.5166	104	33.109
7	2.3048	56	17.8347	105	33.427
8	2.6131	57	18.1529	106	33.746
9	2.9238	58	18.4710	107	34.064
10	3.2361	59	18.7892	108	34.382
11	3.5495	60	19.1073	109	34.701
12	3.8637	61	19.4255	110	35.019
13	4.1785	62	19.7437	111	35.337
14	4.4940	63	20.0618	112	35.655
15	4.8097	64	20.3800	113	35.974
16	5.1259	65	20.6982	114	36.292
17	5.4423	66	21.0164	115	36.610
18	5.7588	67	21.3346	116	36.929
19	6.0756	68	21.6528	117	37.247
20	6.3925	69	21.9710	118	37.565
21	6.7095	70	22.2892	119	37.883
22	7.0266	71	22.6074	120	38.201
23	7.3439	72	22.9256	121	38.519
24	7.6613	73	23.2438	122	38.837
25	7.9787	74	23.5620	123	39.156
26	8.2962	75	23.8802	124	39.475
27	8.6138	76	24.1984	125	39.794
28	8.9315	77	24.5166	126	40.112
29	9.2491	78	24.8349	127	40.430
30	9.5668	79	25.1531	128	40.748
31	9.8845	80	25.4713	129	41.066
32	10.2023	81	25.7896	130	41.384
33	10.5201	82	26.1079	131	41.702
34	10.8380	83	26.4261	132	42.020
35	11.1558	84	26.7442	133	42.338
36	11.4737	85	27.0626	134	42.656
37	11.7917	86	27.3807	135	42.975
38	12.1096	87	27.6989	136	43.293
39	12.4275	88	28.0170	137	43.611
40	12.7455	89	28.3355	138	43.930
41	13.0635	90	28.6537	139	44.249
42	13.3815	91	28.9723	140	44.567
43	13.6995	92	29.2901	141	44.885
44	14.0175	93	29.6082	142	45.203
45	14.3356	94	29.9268	143	45.521
46	14.6536	95	30.2447	144	45.840
47	14.9717	96	30.5632	145	46.158
48	15.2898	97	30.8815	146	46.477
49	15.6079	98	31.1999	147	46.796
50	15.9260	99	31.5177	148	47.114
51	16.2441	100	31.8362	149	47.432
52	16.5619	101	32.1540	150	47.750

To obtain the pitch diameter of a sprocket, multiply the constant for the number of teeth (as shown above) by the chain pitch.

To determine the pitch diameter of a 28-tooth sprocket for 140 chain — use a constant of 8.9315 and multiply by chain pitch ($1\frac{3}{4}$ ") to obtain a pitch diameter of 15.63".

Speed Ratios

Speed Ratios for Sprocket Combinations

	Driver Sprocket Teeth																	
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
9	1.00																	
10	1.11	1.00																
11	1.22	1.10	1.00															
12	1.33	1.20	1.09	1.00														
13	1.44	1.30	1.18	1.08	1.00													
14	1.56	1.40	1.27	1.17	1.08	1.00												
15	1.67	1.50	1.36	1.25	1.15	1.07	1.00											
16	1.78	1.60	1.45	1.33	1.23	1.14	1.07	1.00										
17	1.89	1.70	1.55	1.42	1.31	1.21	1.13	1.06	1.00									
18	2.00	1.80	1.64	1.50	1.38	1.29	1.20	1.13	1.06	1.00								
19	2.11	1.90	1.73	1.58	1.46	1.36	1.27	1.19	1.12	1.06	1.00							
20	2.22	2.00	1.82	1.67	1.54	1.43	1.33	1.25	1.18	1.11	1.05	1.00						
21	2.33	2.10	1.91	1.75	1.61	1.50	1.40	1.31	1.23	1.17	1.10	1.05	1.00					
22	2.44	2.20	2.00	1.83	1.69	1.57	1.47	1.38	1.29	1.22	1.16	1.10	1.05	1.00				
23	2.56	2.30	2.09	1.92	1.77	1.64	1.53	1.44	1.35	1.28	1.21	1.15	1.09	1.04	1.00			
24	2.67	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00		
25	2.78	2.50	2.27	2.08	1.92	1.79	1.67	1.56	1.47	1.39	1.32	1.25	1.19	1.14	1.09	1.04	1.00	
26	2.89	2.60	2.36	2.17	2.00	1.86	1.73	1.63	1.53	1.45	1.37	1.30	1.24	1.18	1.13	1.08	1.04	1.00
27	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.12	1.08	1.04
28	3.11	2.80	2.54	2.33	2.15	2.00	1.87	1.75	1.65	1.56	1.47	1.40	1.33	1.27	1.22	1.17	1.12	1.08
29	3.22	2.90	2.64	2.42	2.23	2.07	1.93	1.81	1.71	1.61	1.53	1.45	1.38	1.32	1.26	1.21	1.16	1.12
30	3.33	3.00	2.73	2.50	2.31	2.14	2.00	1.88	1.76	1.67	1.58	1.50	1.43	1.36	1.31	1.25	1.20	1.15
31	3.44	3.10	2.82	2.58	2.38	2.21	2.07	1.94	1.82	1.72	1.63	1.55	1.48	1.41	1.35	1.29	1.24	1.19
32	3.56	3.20	2.91	2.67	2.46	2.28	2.13	2.00	1.88	1.78	1.68	1.60	1.52	1.45	1.39	1.33	1.28	1.23
33	3.67	3.30	3.00	2.75	2.54	2.36	2.20	2.06	1.94	1.83	1.74	1.65	1.57	1.50	1.43	1.38	1.32	1.27
34	3.78	3.40	3.09	2.83	2.62	2.43	2.27	2.13	2.00	1.89	1.79	1.70	1.62	1.55	1.48	1.42	1.36	1.31
35	3.89	3.50	3.18	2.92	2.69	2.50	2.33	2.19	2.06	1.95	1.84	1.75	1.67	1.59	1.52	1.46	1.40	1.34
36	4.00	3.60	3.27	3.00	2.77	2.57	2.40	2.25	2.12	2.00	1.89	1.80	1.71	1.63	1.57	1.50	1.44	1.38
37	4.11	3.70	3.36	3.08	2.85	2.64	2.47	2.31	2.18	2.06	1.95	1.85	1.76	1.68	1.61	1.54	1.48	1.42
38	4.22	3.80	3.45	3.17	2.92	2.71	2.53	2.38	2.24	2.11	2.00	1.90	1.81	1.73	1.65	1.58	1.52	1.46
39	4.33	3.90	3.55	3.25	3.00	2.79	2.60	2.44	2.29	2.17	2.05	1.95	1.86	1.77	1.70	1.63	1.56	1.50
40	4.44	4.00	3.64	3.33	3.08	2.86	2.67	2.50	2.35	2.22	2.10	2.00	1.90	1.82	1.74	1.67	1.60	1.54
41	4.56	4.10	3.73	3.42	3.15	2.93	2.73	2.56	2.41	2.28	2.16	2.05	1.95	1.86	1.78	1.71	1.64	1.58
42	4.67	4.20	3.82	3.50	3.23	3.00	2.80	2.63	2.47	2.34	2.21	2.10	2.00	1.91	1.83	1.75	1.68	1.61
43	4.78	4.30	3.91	3.58	3.31	3.07	2.87	2.69	2.53	2.39	2.26	2.15	2.05	1.95	1.87	1.79	1.72	1.65
44	4.89	4.40	4.00	3.67	3.38	3.14	2.93	2.75	2.59	2.44	2.32	2.20	2.10	2.00	1.91	1.83	1.76	1.69
45	5.00	4.50	4.09	3.75	3.46	3.21	3.00	2.81	2.65	2.50	2.37	2.25	2.14	2.04	1.96	1.88	1.80	1.73
46	5.11	4.60	4.18	3.83	3.54	3.29	3.07	2.88	2.71	2.56	2.42	2.30	2.19	2.09	2.00	1.92	1.84	1.77
47	5.22	4.70	4.27	3.92	3.62	3.36	3.13	2.94	2.76	2.61	2.47	2.35	2.24	2.14	2.04	1.96	1.88	1.81
48	5.33	4.80	4.36	4.00	3.69	3.43	3.20	3.00	2.82	2.67	2.52	2.40	2.28	2.19	2.09	2.00	1.92	1.84
49	5.44	4.90	4.45	4.08	3.77	3.50	3.27	3.06	2.88	2.72	2.58	2.45	2.33	2.23	2.13	2.04	1.96	1.88
50	5.56	5.00	4.55	4.17	3.85	3.57	3.33	3.13	2.94	2.78	2.63	2.50	2.38	2.27	2.17	2.08	2.00	1.92
51	5.67	5.10	4.64	4.25	3.92	3.64	3.40	3.19	3.00	2.83	2.68	2.55	2.43	2.32	2.22	2.13	2.04	1.96
52	5.78	5.20	4.73	4.33	4.00	3.71	3.47	3.25	3.06	2.89	2.74	2.60	2.48	2.36	2.26	2.17	2.08	2.00
53	5.89	5.30	4.82	4.42	4.08	3.79	3.53	3.31	3.12	2.94	2.79	2.65	2.52	2.41	2.30	2.21	2.12	2.04
54	6.00	5.40	4.91	4.50	4.15	3.86	3.60	3.38	3.18	3.00	2.84	2.70	2.57	2.45	2.35	2.25	2.16	2.07
55	6.11	5.50	5.00	4.58	4.23	3.93	3.67	3.44	3.24	3.06	2.90	2.75	2.62	2.50	2.39	2.29	2.20	2.12
56	6.22	5.60	5.09	4.67	4.31	4.00	3.73	3.50	3.29	3.11	2.95	2.80	2.67	2.55	2.43	2.33	2.24	2.15
57	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.59	2.49	2.38	2.28	2.19
58	6.44	5.80	5.27	4.83	4.46	4.14	3.87	3.63	3.41	3.22	3.05	2.90	2.76	2.64	2.52	2.42	2.32	2.23
59	6.56	5.90	5.36	4.92	4.54	4.21	3.93	3.69	3.47	3.28	3.11	2.95	2.81	2.68	2.57	2.46	2.36	2.27
60	6.67	6.00	5.45	5.00	4.61	4.28	4.00	3.75	3.53	3.34	3.16	3.00	2.86	2.72	2.61	2.50	2.40	2.30
68	7.55	6.80	6.18	5.66	5.23	4.86	4.54	4.25	4.00	3.78	3.58	3.40	3.24	3.09	2.96	2.84	2.72	2.61
70	7.78	7.00	6.36	5.83	5.38	5.00	4.67	4.38	4.12	3.89	3.68	3.50	3.33	3.18	3.05	2.92	2.80	2.69
72	8.00	7.20	6.54	6.00	5.54	5.14	4.80	4.50	4.24	4.00	3.79	3.60	3.43	3.27	3.13	3.00	2.88	2.77
76			6.91	6.33	5.84	5.43	5.07	4.75	4.47	4.23	4.00	3.80	3.62	3.45	3.31	3.17	3.04	2.92
80			7.27	6.66	6.15	5.71	5.34	5.00	4.70	4.45	4.21	4.00	3.81	3.63	3.48	3.34	3.20	3.07
84				7.00	6.46	6.00	5.60	5.25	4.94	4.67	4.42	4.20	4.00	3.81	3.65	3.50	3.36	3.23
95					7.31	6.78	6.33	5.94	5.59	5.28	5.00	4.75	4.52	4.32	4.13	3.96	3.80	3.65
96					7.38	6.85	6.40	6.00	5.64	5.34	5.05	4.80	4.57	4.36	4.18	4.00	3.84	3.69
102						7.28	6.80	6.38	6.00	5.67	5.37	5.10	4.86	4.63	4.44	4.25	4.08	3.92
112							7.00	6.59	6.23	5.89	5.60	5.33	5.08	4.87	4.67	4.48	4.30	

Sprocket Diameters

No. of Teeth	RS25 1/4" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
9	.731	.837	.590
10	.809	.919	.679
11	.887	1.001	.748
12	.966	1.083	.836
13	1.045	1.164	.907
14	1.123	1.245	.993
15	1.203	1.326	1.066
16	1.282	1.407	1.152
17	1.361	1.487	1.225
18	1.440	1.568	1.310
19	1.519	1.648	1.384
20	1.598	1.728	1.468
21	1.677	1.809	1.543
22	1.757	1.889	1.627
23	1.836	1.969	1.702
24	1.915	2.049	1.785
25	1.995	2.129	1.861
26	2.074	2.209	1.944
28	2.233	2.369	2.103
30	2.392	2.529	2.262
32	2.551	2.688	2.421
35	2.789	2.928	2.656
36	2.868	3.008	2.738
40	3.186	3.327	3.056
45	3.584	3.725	3.452
48	3.822	3.964	3.692
54	4.300	4.442	4.170
60	4.777	4.920	4.647
70	5.572	5.717	5.442
72	5.731	5.876	5.601

No. of Teeth	RS35 3/8" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
9	1.096	1.255	.880
10	1.214	1.379	1.014
11	1.331	1.502	1.118
12	1.449	1.625	1.249
13	1.567	1.746	1.356
14	1.685	1.868	1.485
15	1.804	1.989	1.594
16	1.922	2.110	1.722
17	2.041	2.231	1.832
18	2.160	2.352	1.960
19	2.278	2.472	2.071
20	2.397	2.593	2.197
21	2.516	2.713	2.309
22	2.635	2.833	2.435
23	2.754	2.953	2.548
24	2.873	3.073	2.673
25	2.992	3.194	2.786
26	3.111	3.313	2.911
27	3.230	3.434	3.025
28	3.349	3.553	3.149
30	3.588	3.793	3.388
32	3.826	4.032	3.626
35	4.183	4.392	3.979
36	4.303	4.511	4.103
40	4.780	4.990	4.580
42	5.018	5.229	4.818
45	5.376	5.588	5.173
48	5.734	5.946	5.534
54	6.449	6.664	6.249
60	7.165	7.380	6.965
70	8.358	8.575	8.158
72	8.597	8.814	8.397
80	9.552	9.770	9.352
84	10.029	10.247	9.829
96	11.461	11.680	11.261
112	13.371	13.590	13.171

No. of Teeth	RS40 1/2" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
8	1.307	1.507	.995
9	1.462	1.674	1.127
10	1.618	1.839	1.305
11	1.775	2.003	1.444
12	1.932	2.166	1.620
13	2.089	2.328	1.761
14	2.247	2.490	1.934
15	2.405	2.652	2.079
16	2.563	2.814	2.250
17	2.721	2.974	2.397
18	2.879	3.136	2.567
19	3.038	3.292	2.715
20	3.196	3.457	2.883
21	3.355	3.618	3.033
22	3.513	3.778	3.201
23	3.672	3.938	3.351
24	3.831	4.098	3.518
25	3.989	4.258	3.669
26	4.148	4.418	3.835
27	4.307	4.578	3.987
28	4.465	4.738	4.153
29	4.625	4.898	4.305
30	4.783	5.057	4.471
31	4.942	5.217	4.623
32	5.101	5.376	4.788
33	5.260	5.536	4.941
34	5.419	5.696	5.107
35	5.578	5.856	5.260
36	5.737	6.015	5.425
38	6.055	6.334	5.742
40	6.373	6.653	6.061
42	6.691	6.972	6.379
44	7.009	7.291	6.696
45	7.168	7.450	6.851
46	7.327	7.609	7.014
47	7.486	7.769	7.169
48	7.645	7.928	7.332
50	7.963	8.248	7.650
54	8.599	8.884	8.286
60	9.554	9.840	9.241
70	11.145	11.433	10.832
72	11.463	11.752	11.151
80	12.736	13.026	12.423
84	13.372	13.663	13.059
96	15.282	15.573	14.969
112	17.827	18.121	17.515

No. of Teeth	RS50 3/4" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
8	1.633	1.880	1.233
9	1.827	2.093	1.400
10	2.023	2.299	1.623
11	2.219	2.504	1.796
12	2.415	2.708	2.015
13	2.612	2.911	2.193
14	2.809	3.113	2.409
15	3.006	3.315	2.590
16	3.204	3.517	2.804
17	3.401	3.718	2.987
18	3.599	3.919	3.199
19	3.798	4.121	3.384
20	3.995	4.321	3.595
21	4.194	4.522	3.782
22	4.392	4.722	3.992
23	4.590	4.923	4.179
24	4.788	5.123	4.388
25	4.987	5.323	4.577
26	5.185	5.523	4.785
27	5.384	5.723	4.975
28	5.582	5.922	5.182
29	5.781	6.122	5.371
30	5.979	6.321	5.579
31	6.178	6.521	5.770
32	6.376	6.721	5.976
33	6.575	6.921	6.168
34	6.774	7.120	6.374
35	6.973	7.319	6.565
36	7.171	7.519	6.771
37	7.370	7.718	6.963
38	7.569	7.918	7.169
39	7.768	8.117	7.361
40	7.966	8.316	7.566
42	8.364	8.715	7.964
43	8.563	8.914	8.157
44	8.761	9.114	8.361
45	8.960	9.313	8.554
48	9.556	9.911	9.156
49	9.755	10.110	9.350
50	9.954	10.309	9.554
52	10.351	10.708	9.951
54	10.749	11.106	10.349
55	10.948	11.305	10.543
56	11.147	11.504	10.747
60	11.942	12.301	11.542
70	13.931	14.292	13.531
72	14.329	14.690	13.929
80	15.919	16.283	15.519
84	16.715	17.079	16.315
96	19.102	19.467	18.702
112	22.284	22.651	21.884

Sprocket Diameters

No. of Teeth	RS60 3/4" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
8	1.959	2.260	1.491
9	2.193	2.511	1.691
10	2.427	2.759	1.958
11	2.662	3.005	2.166
12	2.898	3.249	2.429
13	3.134	3.493	2.642
14	3.371	3.736	2.902
15	3.608	3.978	3.119
16	3.845	4.220	3.375
17	4.082	4.462	3.595
18	4.319	4.703	3.850
19	4.557	4.945	4.072
20	4.794	5.186	4.325
21	5.033	5.426	4.549
22	5.270	5.666	4.801
23	5.508	5.907	5.026
24	5.746	6.147	5.277
25	5.984	6.387	5.503
26	6.222	6.627	5.753
27	6.461	6.867	5.980
28	6.698	7.106	6.229
29	6.937	7.346	6.458
30	7.175	7.586	6.706
31	7.413	7.826	6.935
32	7.652	8.065	7.183
33	7.890	8.305	7.412
34	8.129	8.544	7.660
35	8.367	8.783	7.889
36	8.606	9.023	8.137
37	8.844	9.262	8.367
38	9.083	9.501	8.614
39	9.321	9.740	8.844
40	9.560	9.980	9.091
41	9.798	10.219	9.321
42	10.037	10.458	9.568
44	10.514	10.937	10.045
45	10.752	11.176	10.276
46	10.991	11.414	10.522
48	11.468	11.893	10.999
49	11.706	12.132	11.231
50	11.945	12.371	11.476
52	12.422	12.849	11.953
54	12.889	13.327	12.430
60	14.330	14.761	13.861
70	16.717	17.150	16.248
72	17.195	17.628	16.726
80	19.103	19.539	18.634
84	20.058	20.495	19.589
96	22.922	23.360	22.453
112	26.741	27.181	26.272

No. of Teeth	RS80 1" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
8	2.613	3.014	1.988
9	2.924	3.348	2.254
10	3.236	3.678	2.611
11	3.550	4.006	2.888
12	3.864	4.332	3.239
13	4.179	4.657	3.523
14	4.494	4.981	3.869
15	4.810	5.304	4.158
16	5.126	5.627	4.501
17	5.442	5.949	4.794
18	5.759	6.271	5.134
19	6.076	6.593	5.430
20	6.392	6.914	5.767
21	6.710	7.235	6.066
22	7.027	7.555	6.402
23	7.344	7.876	6.702
24	7.661	8.196	7.036
25	7.979	8.526	7.338
26	8.296	8.836	7.671
27	8.614	9.156	7.974
28	8.931	9.475	8.306
29	9.249	9.795	8.611
30	9.567	10.114	8.942
31	9.884	10.434	9.247
32	10.202	10.753	9.577
33	10.520	11.073	9.883
34	10.838	11.392	10.213
35	11.156	11.711	10.520
36	11.474	12.030	10.849
37	11.792	12.349	11.156
38	12.110	12.668	11.485
40	12.746	13.306	12.121
42	13.382	13.944	12.757
45	14.336	14.901	13.702
46	14.654	15.219	14.029
48	15.290	15.857	14.665
49	15.608	16.176	14.975
54	17.198	17.769	16.573
60	19.107	19.681	18.482
65	20.698	21.270	20.067
70	22.289	22.867	21.644
72	22.926	23.504	22.301
80	25.471	26.052	24.846
84	26.744	27.326	26.119
96	30.563	31.147	29.938
112	35.655	36.241	35.030

No. of Teeth	RS100 1 1/4" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
8	3.266	3.770	2.516
9	3.655	4.185	2.849
10	4.045	4.598	3.295
11	4.438	5.008	3.642
12	4.830	5.415	4.080
13	5.224	5.821	4.435
14	5.618	6.226	4.868
15	6.013	6.630	5.229
16	6.408	7.034	5.658
17	6.803	7.436	6.024
18	7.199	7.839	6.449
19	7.595	8.241	6.819
20	7.990	8.643	7.240
21	8.388	9.044	7.613
22	8.784	9.444	8.034
23	9.180	9.845	8.409
24	9.576	10.245	8.826
25	9.974	10.645	9.204
26	10.370	11.045	9.620
27	10.768	11.445	9.999
28	11.164	11.844	10.414
30	11.959	12.643	11.209
32	12.753	13.441	12.003
35	13.945	14.639	13.181
36	14.343	15.038	13.593
40	15.933	16.633	15.183
42	16.728	17.430	15.978
45	17.920	18.626	17.159
48	19.113	19.821	18.363
54	21.498	22.211	20.748
60	23.884	24.601	23.134
70	27.861	28.584	27.111
72	28.657	29.380	27.908
80	31.839	32.565	31.089
84	33.430	34.158	32.680
90	35.817	36.545	35.068
96	38.204	38.934	37.454

Sprocket Diameters

No. of Teeth	RS120 1½" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
9	4.386	5.022	3.444
10	4.854	5.517	3.979
11	5.325	6.009	4.395
12	5.796	6.498	4.921
13	6.269	6.986	5.347
14	6.741	7.472	5.866
15	7.215	7.956	6.300
16	7.689	8.441	6.814
17	8.163	8.924	7.254
18	8.639	9.407	7.764
19	9.114	9.890	8.207
20	9.588	10.371	8.713
21	10.065	10.853	9.161
22	10.541	11.333	9.666
23	11.016	11.814	10.115
24	11.492	12.294	10.617
25	11.969	12.774	11.070
26	12.444	13.254	11.569
27	12.921	13.734	12.024
28	13.397	14.213	12.522
30	14.351	15.171	13.476
32	15.303	16.130	14.428
35	16.734	17.567	15.842
36	17.211	18.045	16.336
40	19.119	19.959	18.244
42	20.073	20.916	19.198
45	21.504	22.352	20.615
48	22.935	23.786	22.060
54	25.797	26.654	24.922
60	28.661	29.522	27.786
70	33.434	34.301	32.559
80	38.207	39.078	37.332

No. of Teeth	RS160 2" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
8	5.226	6.028	4.101
9	5.848	6.696	4.635
10	6.472	7.356	5.347
11	7.100	8.012	5.902
12	7.728	8.664	6.603
13	8.358	9.314	7.171
14	8.988	9.962	7.863
15	9.620	10.608	8.442
16	10.252	11.254	9.127
17	10.844	11.898	9.713
18	11.518	12.542	10.393
19	12.152	13.186	10.985
20	12.784	13.828	11.659
21	13.420	14.470	12.256
22	14.054	15.110	12.929
23	14.688	15.752	13.529
24	15.322	16.392	14.197
25	15.958	17.032	14.801
26	16.592	17.672	15.467
27	17.228	18.312	16.073
28	17.862	18.950	16.737
30	19.134	20.228	18.009
35	22.312	23.422	21.164
36	22.948	24.060	21.823
40	25.492	26.612	24.367
45	28.672	29.802	27.529
48	30.580	31.714	29.455
54	34.396	35.538	33.271
60	38.214	39.362	37.089
70	44.578	45.734	43.453
80	50.942	52.104	49.817

No. of Teeth	RS200 2½" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
10	8.090	9.195	6.528
11	8.872	10.020	7.219
12	9.660	10.830	8.098
13	10.447	11.640	8.808
14	11.235	12.460	9.673
15	12.025	13.260	10.397
16	12.815	14.070	11.253
17	13.605	14.870	11.985
18	14.397	15.680	12.835
19	15.190	16.480	13.576
20	15.982	17.290	14.420
21	16.775	18.090	15.166
22	17.567	18.890	16.005
23	18.360	19.690	16.755
24	19.152	20.490	17.590
25	19.947	21.290	18.346
26	20.740	22.090	19.178
28	22.330	23.690	20.768
30	23.917	25.290	22.355
32	25.505	26.880	23.943
35	27.890	29.280	26.300
40	31.865	33.270	30.303
45	35.840	37.250	34.256
54	42.995	44.420	41.433
60	47.767	49.200	46.205

No. of Teeth	RS140 1¼" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
11	6.213	7.011	5.148
12	6.762	7.581	5.762
13	7.313	8.150	6.259
14	7.865	8.717	6.865
15	8.418	9.282	7.371
16	8.971	9.847	7.971
17	9.524	10.411	8.483
18	10.078	10.974	9.078
19	10.633	11.538	9.596
20	11.186	12.100	10.186
21	11.743	12.661	10.709
22	12.297	13.221	11.297
23	12.852	13.783	11.822
24	13.407	14.343	12.407
25	13.963	14.903	12.935
26	14.518	15.463	13.518
28	15.629	16.581	14.629
30	16.742	17.700	15.742
32	17.854	18.818	16.854
35	19.523	20.494	18.503
36	20.080	21.053	19.080
40	22.306	23.286	21.306
45	25.088	26.077	24.072
48	26.758	27.750	25.758
54	30.097	31.096	29.097
60	33.437	34.442	32.437
70	39.006	40.017	38.006
80	44.574	45.591	43.574

No. of Teeth	RS180 2 ¼" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
11	7.986	9.010	6.499
12	8.693	9.750	7.287
13	9.402	10.480	7.927
14	10.111	11.210	8.705
15	10.822	11.940	9.357
16	11.533	12.660	10.127
17	12.245	13.390	10.787
18	12.957	14.110	11.551
19	13.670	14.830	12.217
20	14.383	15.560	12.977
21	15.096	16.280	13.648
22	15.810	17.000	14.404
23	16.524	17.720	15.079
24	17.238	18.440	15.832
25	17.952	19.160	16.511
28	20.096	21.320	18.690
30	21.525	22.760	20.119
35	25.101	26.350	23.669
40	28.677	29.940	27.271
45	32.255	33.530	30.829
54	38.695	39.980	37.290
60	42.992	44.280	41.586

No. of Teeth	RS240 3" Pitch		
	Pitch Dia.	Outside Dia.	Caliper Dia.
10	9.708	11.030	7.833
11	10.648	12.020	8.665
12	11.591	13.000	9.716
13	12.536	13.970	10.569
14	13.482	14.940	11.607
15	14.429	15.910	12.475
16	15.377	16.880	13.502
17	16.327	17.850	14.382
18	17.276	18.810	15.401
19	18.227	19.780	16.289
20	19.177	20.740	17.302
21	20.129	21.700	18.197
25	23.936	25.550	22.014
30	28.700	30.340	26.825
35	33.467	35.130	31.559
40	38.237	39.920	36.362
45	43.007	44.700	41.106
54	51.595	53.310	49.720
60	57.322	59.040	55.447

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After delivery to the carrier, Buyer assumes the risk of all loss or damage to the products resulting from any cause whatever.

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Products manufactured by Seller: (a) conform to the design and specifications, if any, expressly agreed to in writing by Seller; and (b) are free of defects in workmanship and materials at the time of shipment. The warranties set forth in the preceding sentence are exclusive of all other warranties, express or implied, and extend only to Buyer and to no other person. **ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED.**

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- (a) Any claim relating to quantity or type shall be made to Seller in writing within 7 days after receipt of the products; any such claim made thereafter shall be barred.
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In addition to the specified purchase price, Buyer will pay any and all federal, state or local taxes, duties, excises, license fees and other charges leveled, assessed or imposed upon Seller due to the manufacture, sale, purchase or delivery of the products. Buyer shall also pay the cost by which such manufacture is increased by reason of any law, ordinance or regulation adopted or promulgated by any government or governmental subdivision, department or agency, or other source, after the date hereof, but prior to the completion and delivery hereunder.

SPECIFICATIONS, DRAWINGS, PATTERNS AND TOOLS

Seller's specifications, drawings, patterns and tooling shall be the sole and exclusive property of Seller unless otherwise agreed in writing.

ENTIRE AGREEMENT

These terms and conditions constitute the entire agreement between Buyer and Seller and supersede any inconsistent terms and conditions, whether contained in Buyer's purchase order or otherwise, and whether made heretofore or hereafter. No statement or writing subsequent to the date hereof which purports to modify or add to the terms and conditions hereof shall be binding unless consented to in writing, which makes specific reference hereto, and which has been signed by the party against which enforcement thereof is sought. Seller reserves the right to change these terms and conditions without prior notice.

RETURNED GOODS

No goods will be accepted for return without prior written authorization by Seller. Freight must be prepaid on all such returns, and each return is subject to inspection and acceptance by Seller to assure the goods are in a "resalable" condition. A minimum 10% handling and restocking charge will be applied to all authorized returns. Special or made-to-order goods are NOT returnable. Attachment chains returned are at the manufacturer's discretion.

Maintenance Checklist

Regardless of application, all chain systems should be inspected on a regularly scheduled basis for worn, damaged or broken parts, possible interference by other system components, and proper lubrication. Normal maintenance procedures can prevent most of the conditions described below. Carefully inspect roller chain drives on the same schedule as associated equipment.

SPROCKET MISALIGNMENT

Wear on the sides of sprocket teeth generally indicates improper installation of sprockets and/or shafts. If shafts are out of parallel or not in the same plane, non-symmetrical wear will appear on sprockets or chain rollers.

After proper alignment is made, retighten set screws in sprocket hubs.

CHAIN WEAR AND ELONGATION

Normal wear will cause some increase in chain length. However, if a sudden increase in elongation occurs, look for severe wear on the tips of sprocket teeth. This may be caused by any of the following: excessive loading or shock loading, displacement and/or wear in bearings, displacement of takeups, or under-designed drive. Elongation of 3% or more may be an indication that chain and/or sprockets should be replaced.

Before replacing chain or sprockets, recalculate initial drive design. Check chain for broken parts. Check chain tension if there is too much accumulated slack in the drive.

BROKEN CHAIN PARTS

Generally caused by an overload drive, extreme misalignment, excessive elongation causing chain to jump sprocket teeth, heavy shock, improper drive design geometry, or foreign objects.

Recalculate initial drive design and make necessary corrections. Inspect sprockets and shafts for proper alignment or looseness.

LINK PLATE WEAR

Wear on edges of outer sides of link plates may be caused by chain contacting a case or fixed object.

Remove or relocate fixed object. Readjust chain properly.

EXCESSIVE NOISE

Can be caused by broken links and chain rollers, extreme misalignment, elongation, chain jumping sprocket teeth, loose sprockets, broken teeth, accumulation of dirt packed into the chain or sprocket teeth, interference by foreign objects, or contacting a fixed object.

Check for worn, broken, or missing parts. Check alignment of shafts and/or sprockets.

EXCESSIVE VIBRATION

Unbalanced rotating parts, broken or missing rollers, too much chain slack, loose or misaligned sprockets or shafts.

Inspect chain and drive equipment. Replace or readjust as needed.

IMPROPER LUBRICATION

Light or dark brown discoloration of pin-bushing joints and connecting link pins, or brown-red oxide color in oil may indicate chain is not dipping into the oil reservoir, or drip lubricator or spray is plugged.

Carefully clean and dry chain, immerse in oil, and reinstall. Change oil in chain case and flush case. Determine that oil supply is adequate and unimpeded.

SUGGESTED REPLACEMENT PROCEDURES

Chain parts should never be altered or tampered with by makeshift repairs and/or with parts or components which have not been authorized by the company.

REMOVING CHAIN

Turn the drive until a connecting link is fully engaged with one of the sprockets so as to relieve the tension on the connecting link pin. The connecting link may then be removed.

CUTTING RIVETED CHAIN

The two pins of a pin link must be driven out of the link plate. Strike the pins alternately to avoid distortion of the roller link plates as well as the plates of the adjacent links.

PERIODIC CLEANING

Remove chain from sprockets and wash in kerosene. If chain is badly gummed, soak in kerosene and rewash in fresh liquid. Drain off kerosene and soak in oil to restore lubrication. Drain off excessive lubrication by hanging chain. Carefully inspect entire chain before reinstalling. Sprockets should be washed in kerosene.

STORING CHAIN

When roller chain is taken out of operation for a prolonged period, remove the chain and cover with heavy grease. Wrap in heavy grease-resistant paper and store where the chain will not be exposed to abnormal moisture, temperature, or abrasive or corrosive conditions. Sprockets remaining on shafts should be covered with heavy grease.

When the drive is put back in service, remove the grease and thoroughly clean sprockets and chain before reinstalling.

HEATING AND WELDING

Do not use a cutting torch on chain. If cutting by torch is indicated, chain should be replaced. Welding should not be performed on any chain or chain components.

INSERTING NEW LINKS

Insert new links only on new roller chain. Pitch variance between a new link and those on an old chain, especially one which is elongated due to wear, will cause shock when the new link engages the sprocket.

INSTALLING NEW CHAIN

Chain and/or related parts should be visually inspected for damage which could have occurred during shipment prior to installation. Never install on badly worn sprockets as this will permanently damage the chain. As a temporary expedient, reverse a worn sprocket on the shaft to present a new set of working tooth surfaces. Worn sprockets should be replaced as soon as practical to avoid permanent damage.

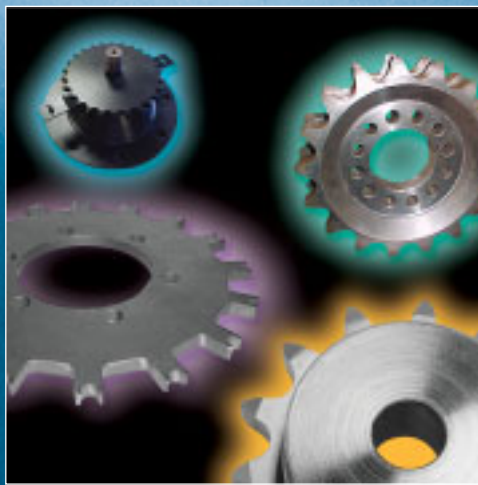
WARNING

USE CARE TO PREVENT INJURY COMPLY WITH FOLLOWING TO AVOID SERIOUS PERSONAL INJURY:

1. Guards must be provided on all chain and sprocket installations in accordance with provisions of ANSI/ASME B15.1—2000 "Safety Standards for Mechanical Power Transmission Apparatus", and ANSI/ASME B20.1—2000 "Safety Standards for Conveyors and Related Equipment", or other applicable safety standards. When revisions of these standards are published, the updated edition shall apply.
2. Always lock out the power switch before installing, removing, lubricating or servicing a chain system.
3. When connecting or disconnecting chain:
 - a. Eye protection is required. Wear safety glasses, protective clothing, gloves and safety shoes.
 - b. Support the chain to prevent uncontrolled movement of chain and parts.
 - c. Use of pressing equipment is recommended. Tools must be in good condition and properly used.
 - d. Determine correct direction for pin/rivet removal or insertion.

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