

# U.S. TSUBAKI STOCK SPROCKETS

## No. 100 1 1/4" Pitch — Plain Bore

Dimensions are in inches unless otherwise indicated.

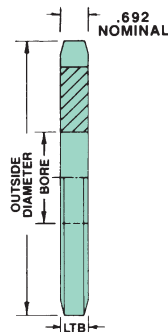
Sprocket Diameters				Type A			Type B, Type C					
No. Teeth	Outside Diameter	1 1/4" Pitch		Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	Hub Dia.	LTB	Wt. Lbs.
		Pitch Diameter	Caliper Diameter									
8	3.770	3.266	2.516	100A8	1	1.20	100B8	1	1 1/4	27/16 ▲	1 7/8	2.20
9	4.185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

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

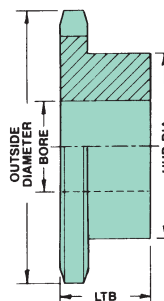
▲ Has recessed groove in hub for chain clearance † Dimensions shown allow for standard keyway with set screw at 90° \* Hub diameter may vary to suit bore sizes

### CHAIN TECHNICAL DATA

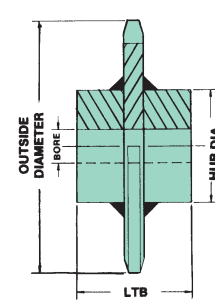
Size	100
Pitch	1 1/4"
Inside Width	3/4"
Roller Diameter	.750"



TYPE A



TYPE B



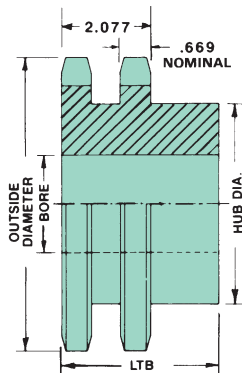
TYPE C

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

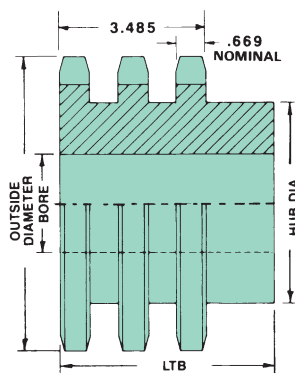
Dimensions are in inches unless otherwise indicated.

Basic Sprocket Dimensions			100-2 Double Strand					100-3 Triple Strand				
No. Teeth	Outside Diameter	Plain Bore	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.	Catalog Number	Hub Dia.	LTB	†Max. Bore	Wt. Lbs.
9	4.185	1	D100B9	2 <sup>5</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	4.40					
10	4.598	1	D100B10	2 <sup>11</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>	6.00					
11	5.008	1	D100B11	3 <sup>1</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>8</sub>	7.80					
12	5.415	1 <sup>1</sup> / <sub>8</sub>	D100B12	3 <sup>3</sup> / <sub>8</sub>	2 <sup>7</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	9.30					
13	5.821	1 <sup>1</sup> / <sub>8</sub>	D100B13	3 <sup>3</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	11.30	T100B13	3 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	16.70
14	6.226	1 <sup>1</sup> / <sub>8</sub>	D100B14	4 <sup>3</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>4</sub>	13.60	T100B14	4 <sup>3</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>4</sub>	20.20
15	6.630	1 <sup>1</sup> / <sub>4</sub>	D100B15	4 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	16.80	T100B15	4 <sup>9</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>8</sub>	27.50
16	7.034	1 <sup>1</sup> / <sub>4</sub>	D100B16	5	3 <sup>1</sup> / <sub>8</sub>	3 <sup>5</sup> / <sub>16</sub>	19.70	T100B16	5	4 <sup>1</sup> / <sub>2</sub>	3 <sup>5</sup> / <sub>16</sub>	32.00
17	7.436	1 <sup>1</sup> / <sub>4</sub>	D100B17	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	22.50	T100B17	5 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	36.30
18	7.839	1 <sup>1</sup> / <sub>4</sub>	D100B18	5 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	24.80	T100B18	5 <sup>1</sup> / <sub>4</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	41.80
19	8.241	1 <sup>1</sup> / <sub>4</sub>	D100B19	5 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	29.40	T100B19	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	46.50
20	8.643	1 <sup>1</sup> / <sub>4</sub>	D100B20	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	32.00	T100B20	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	51.00
21	9.044	1 <sup>1</sup> / <sub>4</sub>	D100B21	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	34.80	T100B21	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	55.80
22	9.444	1 <sup>1</sup> / <sub>4</sub>	D100B22	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	37.20	T100B22	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	60.80
23	9.845	1 <sup>1</sup> / <sub>4</sub>	D100B23	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	40.30	T100B23	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	66.00
24	10.245	1 <sup>1</sup> / <sub>4</sub>	D100B24	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	43.40	T100B24	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	71.60
25	10.645	1 <sup>1</sup> / <sub>4</sub>	D100B25	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	46.70	T100B25	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	77.30
26	11.045	1 <sup>1</sup> / <sub>4</sub>	D100B26	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	50.20	T100B26	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	83.20
30	12.643	1 <sup>1</sup> / <sub>4</sub>	D100B30	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>4</sub>	65.40	T100B30	5 <sup>1</sup> / <sub>2</sub>	4 <sup>3</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	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 <sup>1</sup> / <sub>4</sub> "
Inside Width	3 <sup>3</sup> / <sub>4</sub> "
Roller Diameter	.750"

# U.S. TSUBAKI STOCK SPROCKETS

## No. 100 1 1/4" Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

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

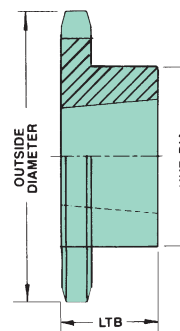
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings			
Bushing	Bore Range	Wt. Lbs.	
1615	1/2 — 1 5/8	1.00	
2012	1/2 — 2	1.40	
2517	1/2 — 2 1/2	3.20	
3020	1 5/16 — 3	5.80	

Refer to page C-66 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.

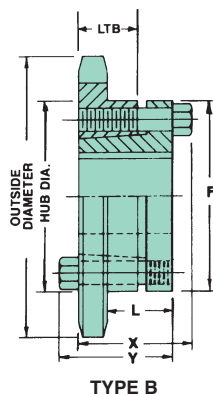
100 QD® 1 1/4" Pitch												
No. Teeth	Outside Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
11	5.008	100SDS11	SDS	2	B	3 3/16	3/4	1 1/16	1 1/16	9/16	3 3/16	1.90
12	5.415	100SDS12	SDS	2	B	3 1/2	3/4	1 1/16	1 1/16	9/16	3 3/16	2.40
13	5.821	100SK13	SK	2 5/8	B	3 15/16	1 1/4	2 1/16	2 1/16	1 9/64	3 7/8	3.30
14	6.226	100SK14	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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.

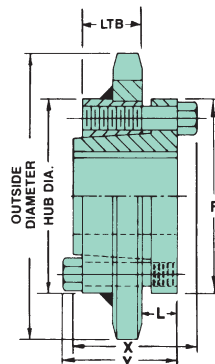
QD® Bushings				
Bushing	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
SDS	1/2 — 1 11/16	1 3/4 — 1 15/16	2	1.00
SK	1/2 — 2 1/8	2 3/16 — 2 1/2	2 9/16 — 2 5/8	2.10
SF	1/2 — 2 1/4	2 5/16 — 2 3/4	2 13/16 — 2 15/16	3.10
E	7/8 — 2 3/4	2 13/16 — 3 1/16	3 1/2	7.10

Refer to page C-69 for bushing specifications

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



TYPE B



TYPE C

## CHAIN TECHNICAL DATA

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