

U.S. TSUBAKI STOCK SPROCKETS

No. 120 1 1/2" Pitch — Plain Bore

Dimensions are in inches unless otherwise indicated.

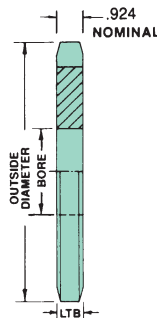
Sprocket Diameters 1 1/2" Pitch				Type A			Type B, Type C					
No. Teeth	Outside Diameter	Pitch Diameter	Caliper Diameter	Catalog Number	Plain Bore	Wt. Lbs.	Catalog Number	Plain Bore	†Max. Bore	*Hub Dia.	LTB	Wt. Lbs.
9	5.022	4.386	3.444	120A9	1 1/4	3.00	120B9	1 1/4	2 13/16	3 3/8 ▲	2 1/4	5.20
10	5.517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

SEE CURRENT DISCOUNT SHEET FOR ALTERATION CHARGES

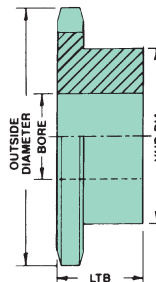
- ▲ Has recessed groove in hub for chain clearance
- † Dimensions shown allow for standard keyway with set screw at 90°
- * Hub diameter may vary to suit bore sizes

CHAIN TECHNICAL DATA

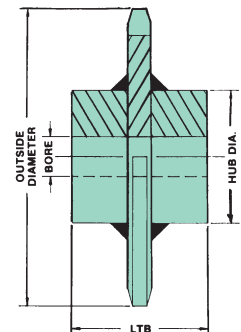
Size	120
Pitch	1 1/2"
Inside Width	1"
Roller Diameter	.875"



TYPE A



TYPE B



TYPE C

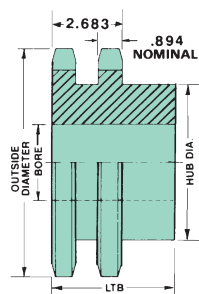
No. 120 1 1/2" Pitch — Multiple Strand

Dimensions are in inches unless otherwise indicated.

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

U.S. TSUBAKI STOCK SPROCKETS

No. 120 1 1/2" Pitch — TAPER-LOCK®

Dimensions are in inches unless otherwise indicated.

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

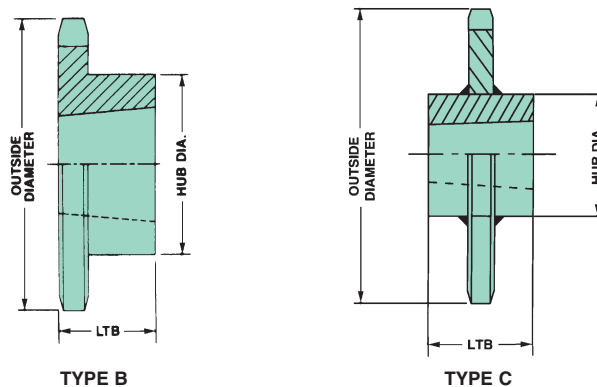
Dimensions are in inches unless otherwise indicated.

TAPER-LOCK® Bushings		
Bushing	Bore Range	Wt. Lbs.
3020	1 5/16 — 3	5.80
3535	1 3/16 — 3 15/16	11.00

Refer to page C-66 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"



No. 120 1 1/2" Pitch – QD®

Dimensions are in inches unless otherwise indicated.

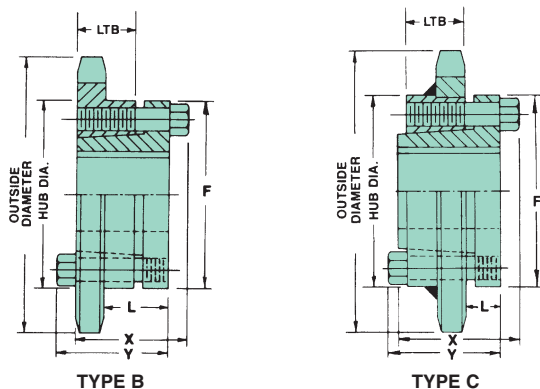
120 QD® 1 1/2" Pitch												
No. Teeth	Outside Diameter	Catalog Number	Bushing	Max. Bore	Type	Hub Dia.	LTB	X	Y	L	F	Wt. Lbs.
12	6.498	120SF12	SF	2 ¹⁵ / ₁₆	B	4 ³ / ₈	1 ¹ / ₄	2 ³ / ₁₆	2 ³ / ₁₆	1 ¹ / ₆₄	4 ⁵ / ₈	4.60
13	6.986	120SF13	SF	2 ¹⁵ / ₁₆	B	4 ⁵ / ₈	1 ¹ / ₄	2 ³ / ₁₆	2 ³ / ₁₆	1 ¹ / ₆₄	4 ⁵ / ₈	5.90
14	7.472	120SF14	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	50.90
35	17.567	120F35	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	63.20
36	18.045	120F36	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	65.00
40	19.959	120F40	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	77.00
42	20.916	120F42	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	90.00
45	22.352	120F45	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	95.00
48	23.786	120F48	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	109.00
54	26.654	120F54	F	4	C	7	2 ¹ / ₂	3 ³ / ₈	4	1	6 ⁵ / ₈	135.00
60	29.522	120J60	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	Bore Range		No Keyway	Wt. Lbs.
	Standard Keyway	Shallow Keyway		
SF	1/2 — 2 1/4	2 5/16 — 2 3/4	2 13/16 — 2 15/16	3.10
E	7/8 — 2 3/4	2 13/16 — 3 7/16	3 1/2	7.10
F	1 — 3 1/4	3 5/16 — 3 15/16	4	8.70
J	1 7/16 — 3 3/4	3 13/16 — 4 1/2	—	16.80

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.



CHAIN TECHNICAL DATA

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