



# Steel Bushed Chain Sprockets

## Sprocket Number 188

For Union Chain Number 188

All dimensions are in inches unless otherwise specified.

Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
				<b>.875 Barrel Diameter 1.000 Plate Thickness</b>						
<b>2.609 Pitch</b>										
8	188A8	1.25	10.0	188C8	1.25	2.94	6.817	4.75	3.13	20.0
9	188A9	1.25	13.0	188C9	1.25	3.19	7.628	5.25	3.88	29.0
10	188A10	1.25	16.0	188C10	1.25	3.19	8.442	5.25	3.88	32.0
11	188A11	1.25	19.0	188C11	1.25	3.19	9.260	5.25	3.88	35.0
12	188A12	1.25	23.0	188C12	1.25	3.19	10.080	5.25	3.88	39.0
13	188A13	1.50	26.0	188C13	1.50	3.44	10.901	5.50	4.25	46.0
14	188A14	1.50	31.0	188C14	1.50	3.44	11.724	5.50	4.25	50.0
15	188A15	1.50	35.0	188C15	1.50	3.44	12.548	5.50	4.25	55.0
16	188A16	1.50	40.0	188C16	1.50	3.44	13.373	5.50	4.25	60.0

Note: Specify 50 Rc minimum tooth hardness when chain is run non-lubricated.

## Sprocket Number 131

For Union Chain Numbers 131, 30702, 30703, 30704, C-131

Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
				<b>1.250 Barrel Diameter 1.125 Plate Thickness</b>						
<b>3.075 Pitch</b>										
8	131A8	1.25	16.0	131C8	1.25	3.19	8.035	5.25	3.88	32.0
9	131A9	1.25	20.0	131C9	1.25	3.19	8.991	5.25	3.88	36.0
10	131A10	1.25	25.0	131C10	1.25	3.19	9.951	5.25	3.88	40.0
11	131A11	1.25	30.0	131C11	1.25	3.19	10.915	5.25	3.88	45.0
12	131A12	1.25	35.0	131C12	1.25	3.19	11.881	5.25	3.88	51.0
13	131A13	1.50	41.0	131C13	1.50	3.44	12.849	5.50	4.25	60.0
14	131A14	1.50	48.0	131C14	1.50	3.44	13.819	5.50	4.25	67.0
15	131A15	1.50	55.0	131C15	1.50	3.44	14.790	5.50	4.25	74.0
16	131A16	1.50	62.0	131C16	1.50	3.44	15.762	5.50	4.25	81.0

Note: Specify 50 Rc minimum tooth hardness when chain is run non-lubricated.

Note: When sprockets are used for Amusement Park applications, specify "AP" (example: 102 1/2 APC16) along with chain number, pitch, and barrel diameter.

**Sprocket Number 102B**

For Union Chain Numbers 102B, C-102B

All dimensions are in inches unless otherwise specified.

<b>4.000 Pitch</b>				<b>1.000 Barrel Diameter 1.750 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	102BA8	1.50	43.0	102BC8	1.50	3.94	10.453	6.50	6.00	80.0
9	102BA9	1.50	53.0	102BC9	1.50	3.94	11.695	6.50	6.00	90.0
10	102BA10	1.50	65.0	102BC10	1.50	3.94	12.944	6.50	6.00	102.0
11	102BA11	1.50	79.0	102BC11	1.50	3.94	14.198	6.50	6.00	116.0
12	102BA12	1.50	93.0	102BC12	1.50	3.94	15.455	6.50	6.00	130.0
13	102BA13	1.50	109.0	102BC13	1.50	3.94	16.714	6.50	6.00	146.0
14	102BA14	1.50	126.0	102BC14	1.50	3.94	17.976	6.50	6.00	163.0
15	102BA15	1.50	144.0	102BC15	1.50	3.94	19.239	6.50	6.00	181.0
16	102BA16	1.50	164.0	102BC16	1.50	3.94	20.503	6.50	6.00	201.0

Note: Specify 50 Rc minimum tooth hardness when chain is run non-lubricated.

**Sprocket Number 102 1/2**

For Union Chain Number 102 1/2

<b>4.040 Pitch</b>				<b>1.375 Barrel Diameter 2.000 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	102 1/2A8	1.50	50.0	102 1/2C8	1.50	3.94	10.557	6.50	6.00	84.0
9	102 1/2A9	1.50	62.0	102 1/2C9	1.50	3.94	11.812	6.50	6.00	97.0
10	102 1/2A10	1.50	76.0	102 1/2C10	1.50	3.94	13.074	6.50	6.00	111.0
11	102 1/2A11	1.50	92.0	102 1/2C11	1.50	3.94	14.340	6.50	6.00	126.0
12	102 1/2A12	1.50	109.0	102 1/2C12	1.50	3.94	15.609	6.50	6.00	143.0
13	102 1/2A13	1.50	127.0	102 1/2C13	1.50	4.44	16.881	7.00	6.00	168.0
14	102 1/2A14	1.50	147.0	102 1/2C14	1.50	4.44	18.156	7.00	6.00	188.0
15	102 1/2A15	1.50	168.0	102 1/2C15	1.50	4.44	19.431	7.00	6.00	209.0
16	102 1/2A16	1.50	191.0	102 1/2C16	1.50	4.44	20.708	7.00	6.00	232.0

Note: Specify 50 Rc minimum tooth hardness when chain is run non-lubricated.

**Sprocket Number 111**

For Union Chain Numbers 111, C-111

<b>4.760 Pitch</b>				<b>1.437 Barrel Diameter 2.250 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	111A8	1.50	78.0	111C8	1.50	4.44	12.438	7.00	6.25	119.0
9	111A9	1.50	97.0	111C9	1.50	4.44	13.917	7.00	6.25	138.0
10	111A10	1.50	119.0	111C10	1.50	4.44	15.404	7.00	6.25	160.0
11	111A11	1.50	143.0	111C11	1.50	4.44	16.895	7.00	6.25	184.0
12	111A12	1.50	170.0	111C12	1.50	4.44	18.391	7.00	6.25	211.0
13	111A13	1.50	198.0	111C13	1.50	5.44	19.890	8.00	6.25	251.0
14	111A14	1.50	230.0	111C14	1.50	5.44	21.391	8.00	6.25	282.0
15	111A15	1.50	263.0	111C15	1.50	5.44	22.894	8.00	6.25	315.0
16	111A16	1.50	299.0	111C16	1.50	5.44	24.399	8.00	6.25	351.0

Note: Specify 50 Rc minimum tooth hardness when chain is run non-lubricated.

Note: When sprockets are used for Amusement Park applications, specify "AP" (example: 102 1/2 APC16) along with chain number, pitch, and barrel diameter.



# UNION CHAIN DIVISION - STEEL BUSHED CHAIN SPROCKETS

## Sprocket Number 110

For Union Chain Numbers 110, C-110

All dimensions are in inches unless otherwise specified.

<b>6.000 Pitch</b>				<b>1.250 Barrel Diameter 1.750 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	110A8	1.50	96.0	110C8	1.50	4.44	15.679	7.00	6.00	139.0
9	110A9	1.50	120.0	110C9	1.50	4.44	17.543	7.00	6.00	164.0
10	110A10	1.50	147.0	110C10	1.50	4.44	19.416	7.00	6.00	191.0
11	110A11	1.50	177.0	110C11	1.50	4.44	21.297	7.00	6.00	220.0
12	110A12	1.50	210.0	110C12	1.50	4.44	23.182	7.00	6.00	253.0
13 <sup>1</sup>	110A13	1.50	228.0	110C13	1.50	4.44	25.071	7.00	6.00	271.0
14 <sup>1</sup>	110A14	1.50	256.0	110C14	1.50	4.44	26.964	7.00	6.00	300.0
15 <sup>1</sup>	110A15	1.50	285.0	110C15	1.50	4.44	28.858	7.00	6.00	329.0
16 <sup>1</sup>	110A16	1.50	310.0	110C16	1.50	4.44	30.755	7.00	6.00	354.0

Note: Specify 50 Rc minimum tooth hardness when chain is run non-lubricated.

<sup>1</sup>Furnished standard with lightening holes.

## Sprocket Number 4856

For Union Chain Numbers 4856, 4857

<b>6.000 Pitch</b>				<b>1.750 Barrel Diameter 2.750 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	4856A8	1.50	151.0	4856C8	1.50	5.44	15.679	8.00	6.75	203.0
9	4856A9	1.50	189.0	4856C9	1.50	5.44	17.543	8.00	6.75	241.0
10	4856A10	1.50	231.0	4856C10	1.50	5.44	19.416	8.00	6.75	283.0
11	4856A11	1.50	278.0	4856C11	1.50	5.94	21.297	9.00	6.75	347.0
12	4856A12	1.50	330.0	4856C12	1.50	5.94	23.182	9.00	6.75	398.0
13	4856A13	1.50	385.0	4856C13	1.50	5.94	25.071	9.00	6.75	454.0
14	4856A14	1.50	446.0	4856C14	1.50	5.94	26.964	9.00	6.75	514.0
15	4856A15	1.50	511.0	4856C15	1.50	5.94	28.858	9.00	6.75	579.0
16	4856A16	1.50	580.0	4856C16	1.50	6.50	30.755	10.00	6.75	666.0

Sprocket number 4856 furnished 50 Rc minimum tooth hardness standard.

## Sprocket Number 4859

For Union Chain Number 4859

<b>6.000 Pitch</b>				<b>2.375 Barrel Diameter 3.250 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	4859A8	1.50	178.0	4859C8	1.50	6.50	15.679	10.00	7.75	275.0
9	4859A9	1.50	223.0	4859C9	1.50	6.50	17.543	10.00	7.75	320.0
10	4859A10	1.50	273.0	4859C10	1.50	6.50	19.416	10.00	7.75	370.0
11	4859A11	1.50	329.0	4859C11	1.50	6.50	21.297	10.00	7.75	425.0
12	4859A12	1.50	389.0	4859C12	1.50	6.50	23.182	10.00	7.75	486.0
13	4859A13	1.50	456.0	4859C13	1.50	6.50	25.071	10.00	7.75	552.0
14	4859A14	1.50	527.0	4859C14	1.50	6.50	26.964	10.00	7.75	624.0
15	4859A15	1.50	604.0	4859C15	1.50	7.00	28.858	11.00	7.75	721.0
16	4859A16	1.50	686.0	4859C16	1.50	7.00	30.755	11.00	7.75	803.0

Sprocket Number 4859 furnished 50 Rc minimum tooth hardness standard.

Note: When sprockets are used for Amusement Park applications, specify "AP" (example: 102 1/2APC16) along with chain number, pitch, and barrel diameter.

**Sprocket Number 150X**

For Union Chain Number 150X

All dimensions are in inches unless otherwise specified.

<b>6.050 Pitch</b>				<b>1.750 Barrel Diameter 2.750 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	150XA8	1.50	153.0	150XC8	1.50	5.44	15.809	8.00	6.75	205.0
9	150XA9	1.50	192.0	150XC9	1.50	5.94	17.689	9.00	6.75	260.0
10	150XA10	1.50	235.0	150XC10	1.50	5.94	19.578	9.00	6.75	304.0
11	150XA11	1.50	283.0	150XC11	1.50	5.94	21.474	9.00	6.75	351.0
12	150XA12	1.50	335.0	150XC12	1.50	5.94	23.375	9.00	6.75	404.0
13	150XA13	1.50	395.0	150XC13	1.50	5.94	25.280	9.00	6.75	460.0
14	150XA14	1.50	453.0	150XC14	1.50	6.50	27.188	10.00	6.75	539.0
15	150XA15	1.50	519.0	150XC15	1.50	6.50	29.099	10.00	6.75	605.0
16	150XA16	1.50	590.0	150XC16	1.50	6.50	31.011	10.00	6.75	676.0

**Sprocket Number 4864**

For Union Chain Number 4864

<b>7.000 Pitch</b>				<b>2.375 Barrel Diameter 3.250 Plate Thickness</b>						
Type A				Type C						
Number of Teeth	Catalog Number	Stock Bore	Approx. Wgt. (lbs.)	Catalog Number	Stock Bore	Max. Bore	Pitch Dia.	Hub Dia.	L.T.B.	Approx. Wgt. (lbs.)
8	4864A8	1.50	242.0	4864C8	1.50	6.50	18.292	10.00	7.75	339.0
9	4864A9	1.50	304.0	4864C9	1.50	6.50	20.467	10.00	7.75	400.0
10	4864A10	1.50	372.0	4864C10	1.50	6.50	22.652	10.00	7.75	469.0
11	4864A11	1.50	447.0	4864C11	1.50	6.50	24.846	10.00	7.75	544.0
12	4864A12	1.50	530.0	4864C12	1.50	6.50	27.046	10.00	7.75	627.0
13	4864A13	1.50	620.0	4864C13	1.50	6.50	29.250	10.00	7.75	717.0
14	4864A14	1.50	717.0	4864C14	1.50	7.00	31.458	11.00	7.75	835.0
15	4864A15	1.50	822.0	4864C15	1.50	7.00	33.668	11.00	7.75	939.0
16	4864A16	1.50	933.0	4864C16	1.50	7.00	35.881	11.00	7.75	1,051.0

Sprocket Number 4864 furnished 50 Rc minimum tooth hardness standard.