

Plastic Roller Chain Sprockets



Slideways Plastic Roller Chain Sprockets run more quietly and cause less chain wear than metal sprockets. Other benefits include corrosion resistance, lighter weight, greater impact resistance and FDA approved materials.

The compressibility of plastic materials results in greater tooth deflection than found on a metallic sprocket. Greater tooth deflection means that several teeth will bear the load of the chain, increasing the overall load capacity of the sprocket to approximately the full working load of the chain.

Applications include dusty or gritty environments, food applications requiring frequent wash-downs and areas where a quieter chain drive is needed.

Slideways Plastic Sprockets can be made in other materials than those shown in the following pages. Other sprocket materials include MD-Nylon, Repro UHMW, and Acetal.

Sizes: Slideways makes sprockets for metric chain, double pitch conveyor chains (2035 to 2100), double chain (35-2 to 120-2), and **custom designs**.

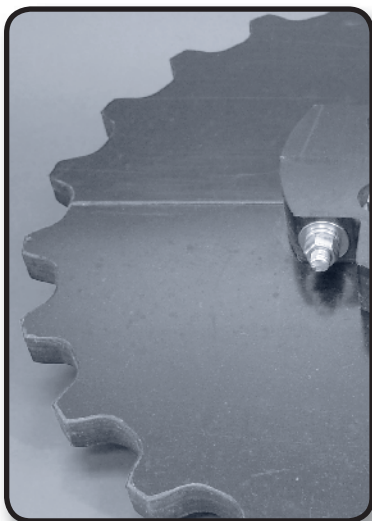
Styles: A-Plate and C-Hub sprockets are made to order.

Bores: **Stock Bore:** Sprocket is supplied with an unfinished bore

Idler Bore: Advise the shaft size and Slideways will provide the bore with proper clearance to idle on the shaft

Drive Bore: Sprocket will be drilled, keyed and have one set screw

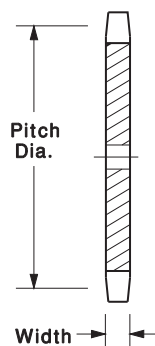
Bearing Bore: For higher speed idler applications Slideways will provide the sprocket with a pressed-in ball bearing



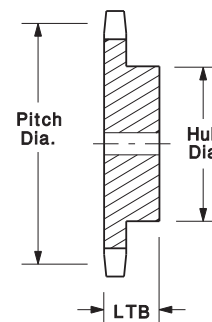
Other Types of Sprockets

Slideways also makes:

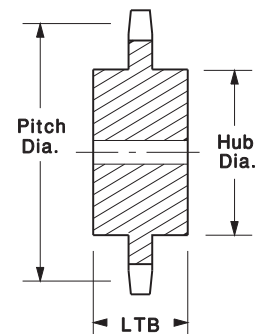
- Wire belt sprockets
- Wastewater treatment sprockets
- Modular belt sprockets
- Mill sprockets
- Tabletop chain sprockets



STYLE A



STYLE B



STYLE C

No. 40, 1/2" Pitch

No. of Teeth	UHMW	OF Nylon (Green)	Pitch Dia.	Stock Bore	Max. Bore	Hub Dia.	Length thru Bore
14	290140B14	290940B14	2.247	1/2	3/4	1-11/16	7/8
15	290140B15	290940B15	2.405	1/2	7/8	1-13/16	7/8
16	290140B16	290940B16	2.563	1/2	15/16	2	7/8
17	290140B17	290940B17	2.721	1/2	1	2-1/8	1
18	290140B18	290940B18	2.879	1/2	1-1/8	2-5/16	1
19	290140B19	290940B19	3.038	1/2	1-1/4	2-1/2	1
20	290140B20	290940B20	3.196	1/2	1-1/4	2-5/8	1
21	290140B21	290940B21	3.355	1/2	1-1/4	2-3/4	1
22	290140B22	290940B22	3.513	1/2	1 3/8	2-7/8	1
23	290140B23	290940B23	3.672	1/2	1 3/8	3	1
24	290140B24	290940B24	3.831	1/2	1-1/2	3-1/4	1
25	290140B25	290940B25	3.989	1/2	1-1/2	3-1/4	1
26	290140B26	290940B26	4.148	1/2	1-1/2	3-1/4	1
27	290140B27	290940B27	4.307	1/2	1-1/2	3-1/4	1
28	290140B28	290940B28	4.466	1/2	1-1/2	3-1/4	1
29	290140B29	290940B29	4.625	1/2	1-1/2	3-1/4	1
30	290140B30	290940B30	4.783	1/2	1-1/2	3-1/4	1
31	290140B31	290940B31	4.942	1/2	1-1/2	3-1/4	1
32	290140B32	290940B32	5.101	1/2	1-1/2	3-1/4	1
33	290140B33	290940B33	5.260	1/2	1-1/2	3-1/4	1
34	290140B34	290940B34	5.419	1/2	1-1/2	3-1/4	1
35	290140B35	290940B35	5.578	1/2	1-1/2	3-1/4	1
36	290140B36	290940B36	5.737	1/2	1-1/2	3-1/4	1
37	290140B37	290940B37	5.896	1/2	1-1/2	3-1/4	1
38	290140B38	290940B38	6.055	1/2	1-1/2	3-1/4	1
40	290140B40	290940B40	6.373	3/4	1-3/4	3-1/2	1-1/8
41	290140B41	290940B41	6.582	3/4	1-3/4	3-1/2	1-1/8
42	290140B42	290940B42	6.691	3/4	1-3/4	3-1/2	1-1/8
43	290140B43	290940B43	6.850	3/4	1-3/4	3-1/2	1-1/8
45	290140B45	290940B45	7.168	3/4	1-3/4	3-1/2	1-1/8
48	290140B48	290940B48	7.645	3/4	1-3/4	3-1/2	1-1/8

No. 60, 3/4" Pitch

No. of Teeth	UHMW	Pitch Dia.	Stock Bore	Max. Bore	Hub Dia.	Length thru Bore
14	290160B14	3.370	3/4	1	2-1/2	1-1/4
15	290160B15	3.607	3/4	1	2-7/8	1-1/4
16	290160B16	3.844	3/4	1	3	1-1/4
17	290160B17	4.082	1	2	3-1/4	1-1/4
18	290160B18	4.319	1	2	3-1/2	1-1/4
19	290160B19	4.557	1	2	3-1/2	1-1/4
20	290160B20	4.794	1	2	3-7/8	1-1/4
21	290160B21	5.032	1	2	4	1-1/4
22	290160B22	5.270	1	2	4	1-1/4
23	290160B23	5.508	1	2	4	1-1/4
24	290160B24	5.746	1	2	4	1-1/4
25	290160B25	5.984	1	2	4	1-1/4
26	290160B26	6.222	1	2-1/2	4	1-1/4
27	290160B27	6.460	1	2-1/2	4	1-1/4
28	290160B28	6.699	1	2-1/2	4	1-1/4
29	290160B29	6.937	1	2-1/2	4	1-1/4
30	290160B30	7.175	1	2-1/2	4	1-1/4
31	290160B31	7.413	1	2-1/2	4	1-1/4
32	290160B32	7.652	1	2-1/2	4	1-1/4
33	290160B33	7.890	1	2-1/2	4	1-1/4
34	290160B34	8.128	1	3	4-1/2	1-1/4
35	290160B35	8.367	1	3	4-1/2	1-1/4
36	290160B36	8.605	1	3	4-1/2	1-1/4
37	290160B37	8.844	1	3	4-1/2	1-1/4
38	290160B38	9.082	1	3	4-1/2	1-1/4
40	290160B40	9.559	1	3	4-1/2	1-1/4
41	290160B41	9.798	1	3	4-1/2	1-1/4
42	290160B42	10.036	1	3-1/2	5	1-1/4
43	290160B43	10.275	1	3-1/2	5	1-1/4
45	290160B45	10.752	1	3-1/2	5	1-1/4
48	290160B48	11.467	1	3-1/2	5	1-1/4
50	290160B50	11.944	1	3-1/2	5	1-1/4

No. 50, 5/8" Pitch

No. of Teeth	UHMW	OF Nylon (Green)	Pitch Dia.	Stock Bore	Max. Bore	Hub Dia.	Length thru B
14	290150B14	290950B14	2.803	1/2	1	2-1/8	1
15	290150B15	290950B15	3.006	1/2	1-1/4	2-3/8	1
16	290150B16	290950B16	3.204	1/2	1-1/4	2-1/2	1
17	290150B17	290950B17	3.401	1/2	1-3/8	2-11/16	1
18	290150B18	290950B18	3.599	1/2	1-1/2	2-7/8	1
19	290150B19	290950B19	3.797	1/2	1-5/8	3	1
20	290150B20	290950B20	3.995	1/2	1-5/8	3	1
21	290150B21	290950B21	4.193	1/2	1-5/8	3	1
22	290150B22	290950B22	4.392	1/2	1-5/8	3	1
23	290150B23	290950B23	4.590	1/2	1-5/8	3	1
24	290150B24	290950B24	4.788	1/2	1-5/8	3	1-1/4
25	290150B25	290950B25	4.987	1/2	1-5/8	3	1-1/4
26	290150B26	290950B26	5.185	1/2	1-5/8	3	1-1/4
27	290150B27	290950B27	5.384	1/2	1-5/8	3	1-1/4
28	290150B28	290950B28	5.582	1/2	1-5/8	3	1-1/4
29	290150B29	290950B29	5.781	1/2	1-5/8	3	1-1/4
30	290150B30	290950B30	5.979	1/2	1-3/4	3-1/4	1-1/4
31	290150B31	290950B31	6.178	1/2	1-3/4	3-1/4	1-1/4
32	290150B32	290950B32	6.376	1/2	1-3/4	3-1/4	1-1/4
33	290150B33	290950B33	6.575	1/2	1-3/4	3-1/4	1-1/4
34	290150B34	290950B34	6.774	1/2	1-3/4	3-1/4	1-1/4
35	290150B35	290950B35	6.972	1/2	1-3/4	3-1/4	1-1/4
36	290150B36	290950B36	7.171	1/2	1-3/4	3-1/4	1-1/4
37	290150B37	290950B37	7.370	1/2	1-3/4	3-1/4	1-1/4
38	290150B38	290950B38	7.568	1/2	1-3/4	3-1/4	1-1/4
40	290150B40	290950B40	7.966	3/4	2	3-1/2	1-1/4
41	290150B41	290950B41	8.165	3/4	2	3-1/2	1-1/4
42	290150B42	290950B42	8.363	3/4	2	3-1/2	1-1/4
43	290150B43	290950B43	8.562	3/4	2	3-1/2	1-1/4
45	290150B45	290950B45	8.960	3/4	2-3/8	4	1-1/4
48	290150B48	290950B48	9.556	3/4	2-3/8	4	1-1/4

No. 80, 1" Pitch

No. of Teeth	UHMW	Pitch Dia.	Stock Bore	Max. Bore	Hub Dia.	Length thru Bore
15	290180B15	4.810	1	2	3-1/4	1-1/2
16	290180B16	5.126	1	2	3-1/4	1-1/2
17	290180B17	5.442	1	2	3-1/4	1-1/2
18	290180B18	5.759	1	2	3-1/4	1-1/2
19	290180B19	6.076	1	2-1/2	4	1-1/2
20	290180B20	6.392	1	2-1/2	4	1-1/2
21	290180B21	6.710	1	2-1/2	4	1-3/4
22	290180B22	7.027	1	2-1/2	4	1-3/4
23	290180B23	7.344	1	2-1/2	4	1-3/4
24	290180B24	7.661	1	2-1/2	4	1-3/4
25	290180B25	7.979	1	2-1/2	4	1-3/4
26	290180B26	8.296	1	3	4-1/2	2
27	290180B27	8.614	1	3	4-1/2	2
28	290180B28	8.931	1	3	4-1/2	2
29	290180B29	9.249	1	3	4-1/2	2
30	290180B30	9.567	1	3	4-1/2	2
31	290180B31	9.885	1	3	4-1/2	2
32	290180B32	10.202	1	3-1/2	5	2
33	290180B33	10.520	1	3-1/2	5	2
34	290180B34	10.838	1	3-1/2	5	2
35	290180B35	11.156	1	3-1/2	5	2
36	290180B36	11.474	1	3-1/2	5	2
37	290180B37	11.792	1	3-1/2	5	2
38	290180B38	12.110	1	4	5-1/2	2
40	290180B40	12.746	1	4	5-1/2	2
41	290180B41	13.063	1	4	5-1/2	2
42	290180B42	13.382	1	4	5-1/2	2
45	290180B45	14.336	1	4	6	2
48	290180B48	15.290	1	4	6	2
49	290180B49	15.608	1	4	6	2
50	290180B50	15.926	1	4	6	2