

DOUBLE FLEX CHAIN

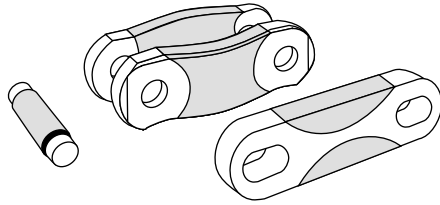
3500 STEEL DOUBLE FLEX CHAIN

Fabricated steel 3500 chain is designed to operate in either direction. This feature plus its ability to flex in two planes, and its excellent wear durability, makes it popular for a wide range of applications in the unit handling industry.

Induction Hardening

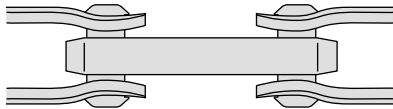
Pin bearing surfaces and all sliding surfaces are induction hardened.

Selective hardened areas provide long life, yet leave tough chain with high strength to handle big loads.



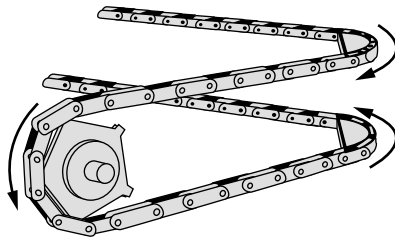
Shielded Rivets

Cupped configuration on the outer sidebar both protects and shields rivet ends, as well as provide relief for side-flex. No rivet wear prevents the possibility of disassembly while in operation.



Beveled Block Link

The 3500 block link is beveled to provide additional protection for conveyors handling plastic cases.

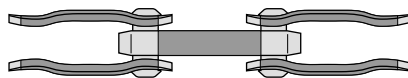


Large Sliding Area

3500 Double Flex Chain presents solid, substantial sliding surfaces to channel tracks.

Nearly 50% greater sliding bearing area than drop-forged chain results in lower sliding bearing pressure, thus decreasing wear on chain and channels. Again, increased chain life, lower chain replacement costs.

Make multiple turns in one run, saving on transfer points. It flexes around 20" radius corners, assuring more compact plant layouts.

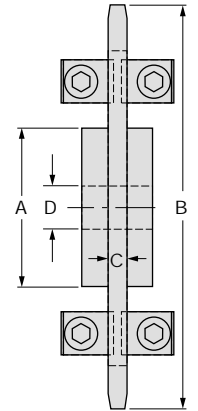
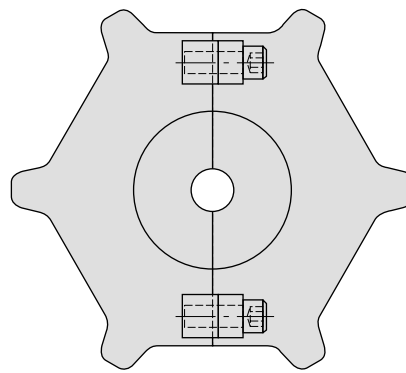


Fewer terminal units mean lower cost installations, easier maintenance.

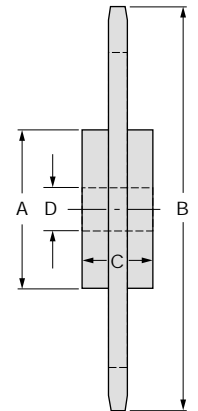
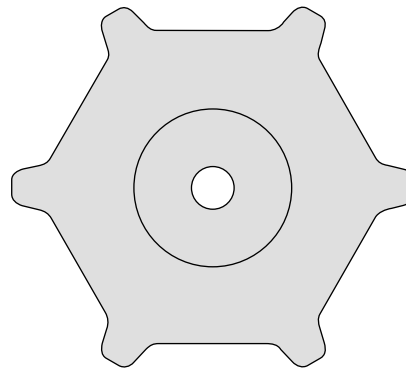
3500 Fabricated Steel Sprockets

These sprockets can be furnished split, solid and bronze bushed. Heat treated keys are recommended.

Flanged idler wheels available, specifications and price on application.



Split



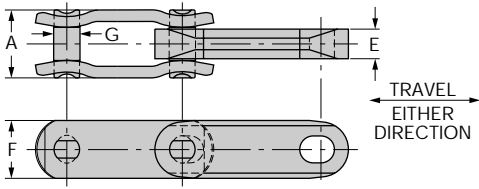
Solid

Dimensions are in inches. Weights are in pounds.

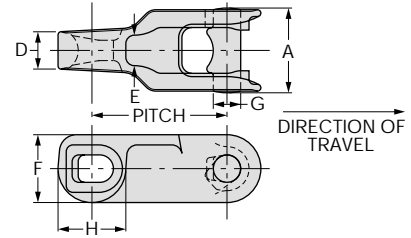
No. of Teeth	No. of Pitches	Pitch Diam.	Hub Diam.	Outside Diam.	Hub ^① Length	Max. KS Bore ^②	Approx. Weight Each	
			A	B	C	D	Split	Solid
5	10	8.90	4.00	9.75	2	2.44	14.5	12.5
6	12	10.63	4.50	11.50	2	2.69	20.5	18.5
7	14	12.36	5.00	13.31	2	2.94	25.5	23.5
8	16	14.10	5.00	15.25	2	2.94	31.0	29.0
9	18	15.84	5.00	16.88	2	2.94	38.5	36.0

① Overall width of split sprocket is 2⁵/₈ inches.
 ② Stock bore is 1¹/₄ inches.

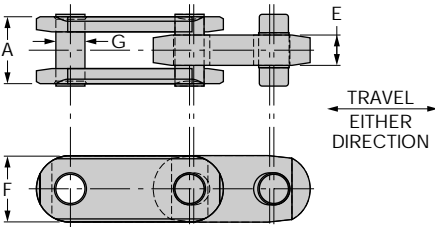
DOUBLE FLEX CHAIN



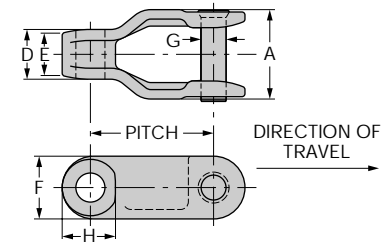
3500 Steel Chain



9250 Cast Chain



3498 Steel Chain



SM120 Cast Chain

Dimensions are in inches. Loads and weights are in pounds.

Rex Chain No.	Average Pitch	Rated Working Load ^①	Overall Width	Length of Barrel	Max. Allowable Sprocket Face	Height of Sidebar	Diameter of Pin or Rivet	Diameter of Barrel	Minimum Flex Radius	Average Weight	Sprocket Unit No.
			A	D	E	F	G	H	R		
3500 ^②	2.5 ^③ 3.0	See Table Below	1.50	–	.63	1.25	.56	–	20	3.3	3500
9250	2.5	900	1.56	.69	.75 ^④	1.25	.50	1.25	18	3.3	9250
SM120	2.5	1,100	1.78	1	.75 ^④	1.25	.50	1.13	36	3.6	9250
3498	1.75 2.5 ^⑤	See Table Below	1.44	–	.63	1.38	.63	–	16	4.5	3498

Ratio of Chain Speed (FPM) to Conveyor Length (Ft)	Rated Working Load – Pounds	
	3500 Chain	3498 Chain
0.1 to 0.6	4000	5000
1.0	3400	4250
1.5	2900	3650
2.0	2600	3250
2.5	2300	2850
3.0	2100	2600
3.0 to 15.0	2100	2600

- ① Refer to page 151 for use of "Rated Working Load" in conveyor chain selection.
 - ② When chain is to be run in channel, 2" x 1" x 3/16" (2.32 lbs. per foot), standard bar channel is suggested.
 - ③ Block link is 3-inch pitch and outside link is 2 1/2" pitch.
 - ④ Face on drive side of tooth.
 - ⑤ Block link is 1.75" pitch and outside link is 2 1/2" pitch.
- Note:** For ratios below 0.1 and above 15.0, consult Rexnord for recommended rated working load.
 In applications without static operating conditions (shock loads), a service factor must be applied to provide for dynamic fluctuations. Speed Factors are found on page 153 or contact Rexnord. Design Working Load = P_m x Service Factor x Speed Factor.