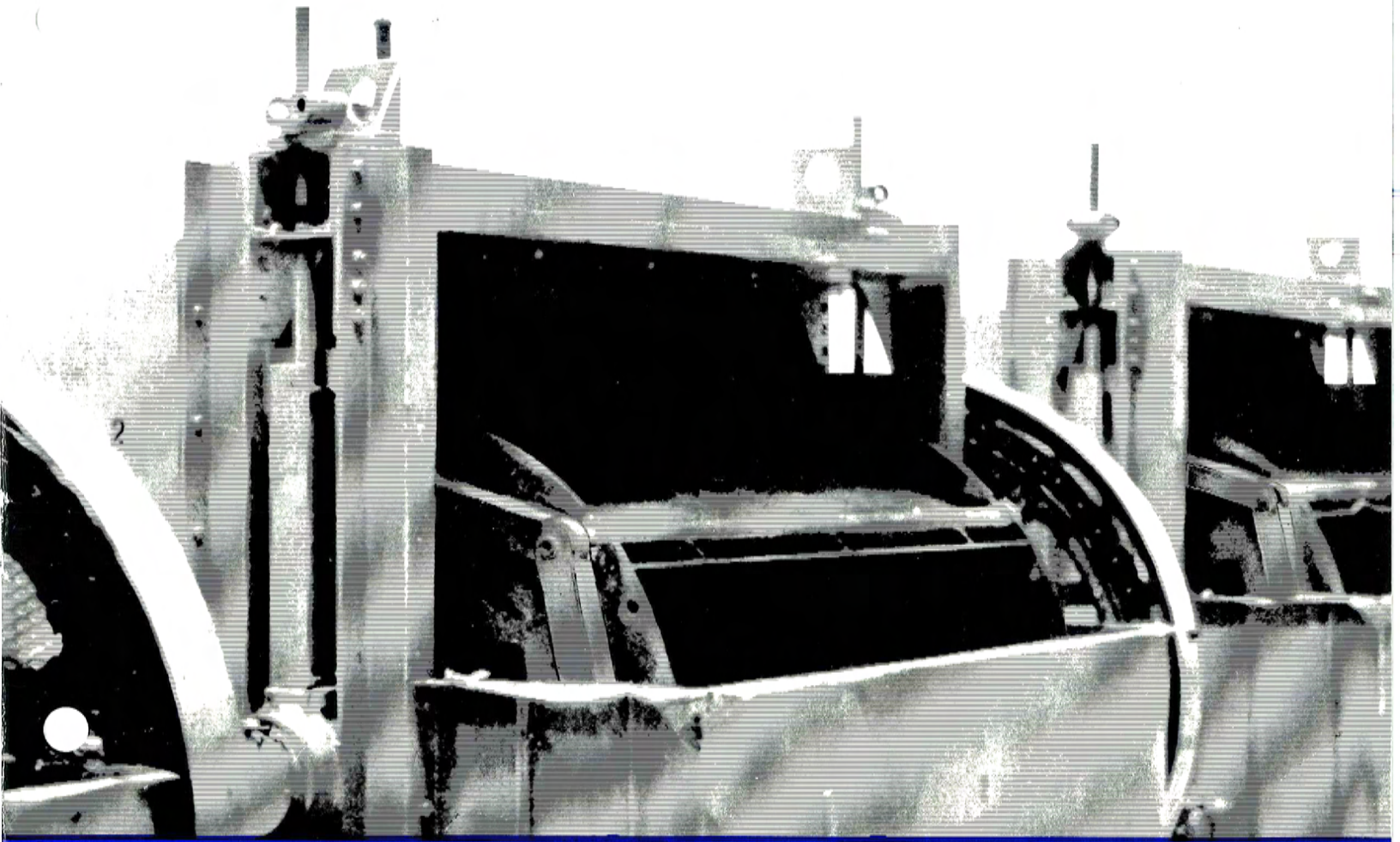
WEBSTER QUALITY

No. 801

TOUGH STUFF

WEBSTER CHAIN

FOR WATER AND WASTEWATER TREATMENT EQUIPMENT



WEBSTER INDUSTRIES, INC.

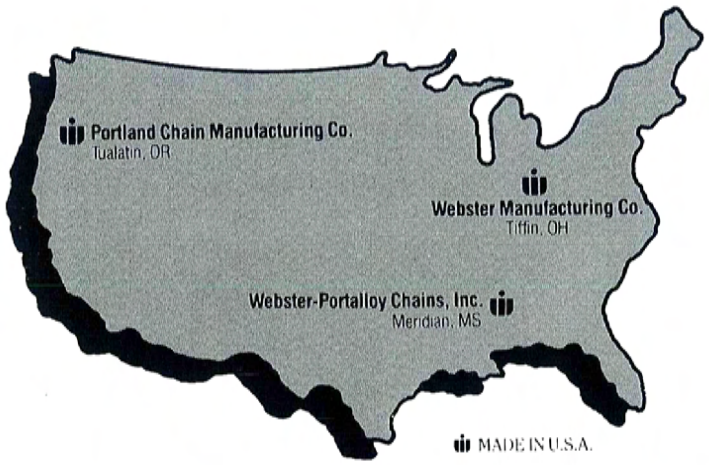
WEBSTER PRODUCTS

OVER 100 YEARS EXPERIENCE IN CHAIN AND CONVEYING SYSTEMS

Webster began in 1876 manufacturing material handling components and, by the turn of the century, had achieved worldwide recognition as the foremost power transmission specialists manufacturer. Since then the product has been expanded to include bulk commodity and raw material handling products.

Today Webster Industries, Inc. consists of three plants with corporate headquarters located in Tiffin, Ohio. Plant capabilities include a malleable iron foundry, structural steel and fabrication, welded steel chain manufacturing , complete machining capabilities, and assembly and finishing operations.

Webster's engineering department designs and specifies standard products and custom specification requirements. In-plant lab and testing facilities assures metallurgic, heat treatment and additional engineered precision controls. Manufacturing controls in quality are in every stage of production processes for absolute customer satisfaction.



WATER AND WASTEWATER TREATMENT EQUIPMENT CHAIN

Webster has manufactured high-quality water and wastewater treatment equipment chain for years. Webster's experience in the industry and innovation in engineered and new manufacturing technologies have provided water treatment plant engineers, maintenance and project designers a reliable supply source for both new product needs, retrofit components, and maintenance replacement orders.

A nationwide network of Webster representatives and reputable distributors is backed with responsive engineering for prompt, precise quotation, and order processing for assured on-time delivery.

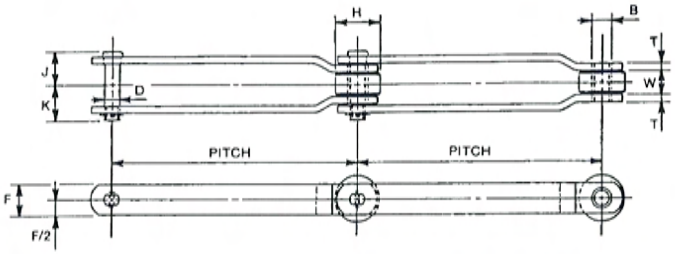
Webster is your chain specialist.

Webster chain and attachments are constructed to provide strength and durability, to meet the demands of water and wastewater treatment facilities and processes.

WEBSTER SIMPLIFIES ORDERING

Webster's product lines are extensive. In addition to chain products, conveyors, parts, idlers, buckets and accessories are standard items manufactured. A series of standard products for the waste and wastewater industries are included in this catalog. Engineering prints, specification tables and optional features are provided in a quick-glance reference. For additional engineering data and information on these and other products, please refer to Webster's series of product and engineering catalogs and spec/tech literature which is available by calling 1-800-243-9327.

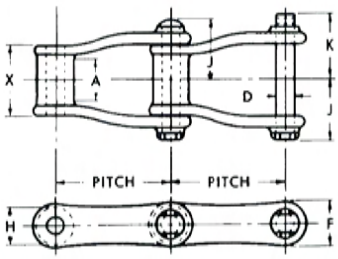
TRAVELING WATER SCREEN CHAIN



Designed to replace original equipment chain in traveling water screens. Available with a variety of attachments.

TRAVELING WATER SCREEN CHAIN													
Chain No.	Avg. Pitch Inches	Avg. Wt. Per Ft. Lbs.	B	D	F	H	J	K	T	W	Rated Working Load in Lbs.	Average Ultimate Strength in Lbs.
S15041A	24.000	12	1¾	1¼	3	4	1 27/32	2 5/32	⅜	1½	9850	65000
S13917	24.000	11	1¾	1¼	2¾	3¾	1 29/32	2 7/32	⅜	1⅝	10400	65000
S15030	24.000	11	1¾	1¼	2¾	3¾	1 15/16	2¼	⅜	1 11/16	10665	65000
S11524	24.000	14	1¾	1¼	2¾	3¾	2 3/16	2½	½	1 11/16	11760	86000

400 CLASS PINTLE CHAIN



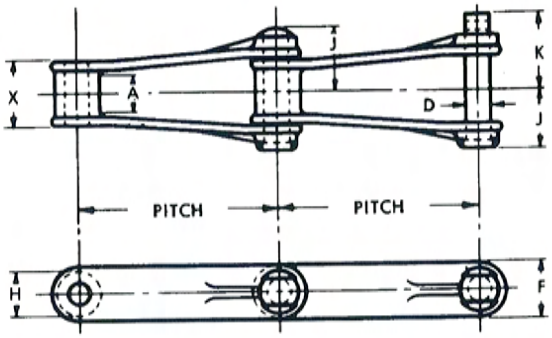
Used as a power transmission drive chain in non-abrasive to moderately abrasive, and dirty, operating conditions. Dimensions shown here can be changed to customer requirements.

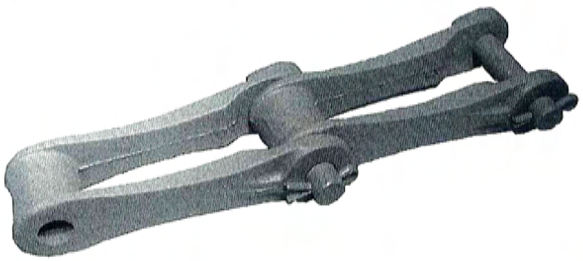
400 CLASS PINTLE CHAIN								DIMENSIONS IN INCHES•							
Chain No.	Average Pitch Inches	Average Links In 10 Feet	Average Weight Per Ft. Lbs.	Average Ultimate Strength in Lbs.		Rated Working Load in Lbs.		Barrel Length	Side Bar Width	Max. Spkt. Width	Pin Dia. *	Barrel Dia.	℄ To Cotter End	℄ To Head or Riveted End	ATTACHMENT NUMBERS
				Malleable	Duramal	Malleable	Duramal	X	F	A	D	H	K	J	
442	1.375	88	1.4	7,500	995	830	995	1 1/16	3/4	5/8	5/16	9/16	1 1/16	1	
445	1.630	74	1.5	7,500	995	830	995	1 1/16	23/32	11/16	5/16	5/8	1 1/16	1	F2,H2,K1
452	1.506	80	2.0	8,750	1,265	1,055	1,265	1 1/8	27/32	5/8	3/8	11/16	1 1/16	1	D5,K1
455	1.630	74	1.9	9,125	1,265	1,055	1,265	1 1/8	13/16	11/16	3/8	5/8	1 1/8	1 1/32	F2,K1
462	1.634	73	2.5	11,250	1,800	1,500	1,800	1 7/16	15/16	15/16	7/16	13/16	1 5/16	1 1/4	A12R&L,G1,K1
477	2.308	52	2.0	12,000	1,640	1,365	1,640	1 1/4	1	1	7/16	13/16	1 9/32	1 5/32	G19,F2,G1,K1
488	2.609	46	2.9	13,750	2,130	1,775	2,130	1 5/8	15/16	15/16	7/16	7/8	1 7/16	1 5/16	F2,G19,K1,K2,G19 Spec
4103	3.075	39	5.7	27,500	4,218	3,515	4,218	1 7/8	1 1/2	1 1/2	3/4	1 3/4	1 27/32	1 25/32	A22,F2,F29,K2
4124	4.063	30	8.5	41,250	5,485	4,570	5,485	2 1/4	1 3/4	1 3/4	11/16	1 11/16	2 13/32	2 5/32	F8

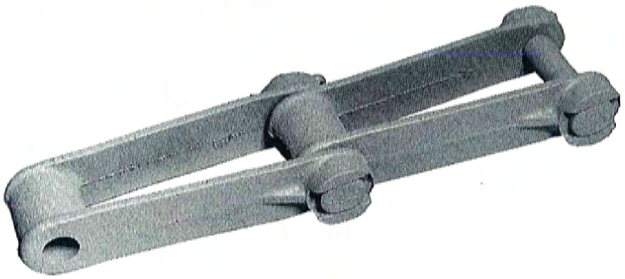
• Have dimensions verified for installation purposes. *Duramal chains have heat treated pins.

700 CLASS PINTLE CHAIN

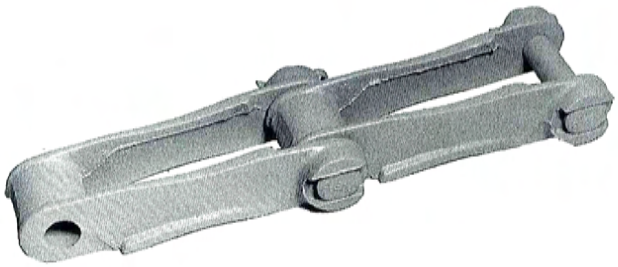
Extensively used in water and wastewater treatment installations in straightline sludge collectors, grit collectors, and bar screens. Closed joint construction allows this chain to work well under semi-abrasive or moderately abrasive conditions. Dimensions shown here can be changed to customer requirements.

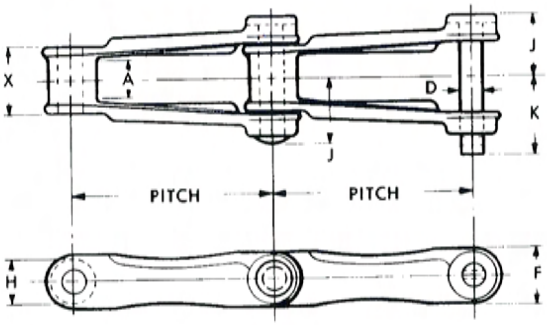






DIRECTION OF TRAVEL ⟶





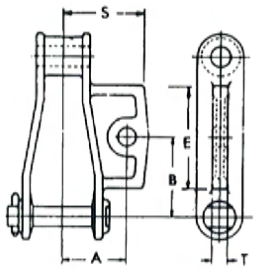
NCS

700 CLASS PINTLE CHAIN

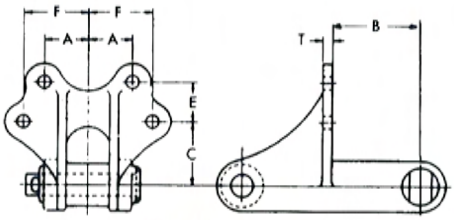
Chain No.	Average Pitch Inches	Average Links In 10 Feet	Average Weight Per Ft. Lbs.	Average Ultimate Strength in Lbs. Duramal	Rated Working Load in Lbs. Duramal	DIMENSIONS IN INCHES• Barrel Length X	Side Bar Width F	Max. Spkt. Width A	Pin Dia. * D	Barrel Dia. H	℄ To Cotter End K	℄ To Head or Riveted End J	ATTACHMENT NUMBERS
720	6.000	20	4.2	27,500	3,860	1 7/8	1 1/2	1 1/8	11/16	1 3/8	1 7/8	1 11/16	A42,F2,F2 Spec M,F3
720S	6.000	20	5.2	37,500	4,245	1 7/8	1 9/16	1 1/8	3/4	1 7/16	2 1/8	1 13/16	A11,A12,A42,F2,F3,F22-6 F22-8,M1,AD474,AM116
720NCS Δ #	6.000	20	5.4	37,500	4,245	1 7/8	1 9/16	1 1/8	3/4	1 7/16	2 1/8	1 13/16	F22-6,F22-8,M1,F3
730 ✪	6.000	20	6.0	40,000	4,500	2	1 3/4	1 1/8	3/4	1 1/2	2 1/16	1 7/8	A42,F2,F3,K2,M1
730S #	6.000	20	6.0	40,000	4,500	2	1 3/4	1 1/4	3/4	1 1/2	2 1/16	1 13/16	A42,A111R&L,A112R&L
730NCS Δ ❖	6.000	20	6.0	40,000	4,500	2	1 3/4	1 5/32	3/4	1 1/2	2 3/32	1 25/32	F22-7,F3,F22-8

• Have dimensions verified for installation purposes.
* Duramal chains have heat treated pins.
Δ "NCS" suffix denotes curved sidebars and pear-shaped barrels.
\# Furnished with outside-top and inside-bottom wearshoes.
✪ Furnished with inside wearshoes on bottom.
❖ Furnished with inside wearshoes on complete height of sidebar.

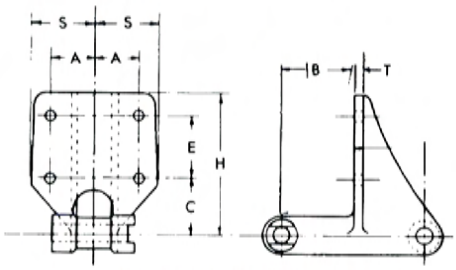
700 CLASS PINTLE CHAIN ATTACHMENTS•



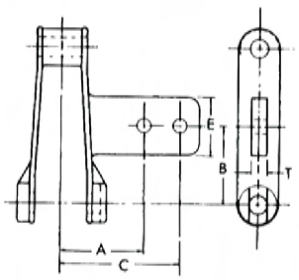
A42



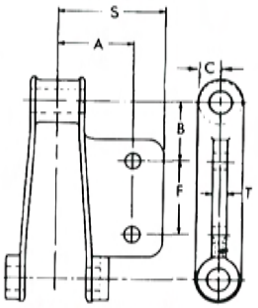
F2 and F2M SPEC



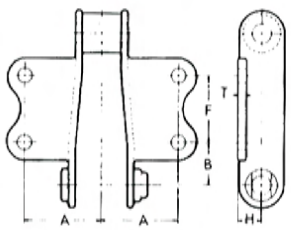
F3, F22-6, F22-7 and F22-8



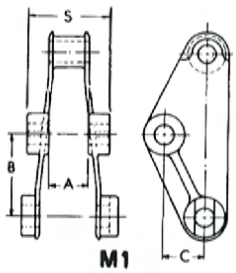
A12



A11, A111 and A112



K2



M1

Chain No.	A	B	C	E	F	S	T	Weight Per Foot Lbs. ‡	Bolt Size
A11									
720S	2 5/8	2	25/32	—	2 1/2	3 5/8	1/2	8.5	1/2 °
A12									
720S	3 1/8	3	4 1/2	2 1/4	—	5 1/4	5/8	8.6	1/2 °
A111#									
730S	2 1/8	2 3/8	7/8	—	2 1/8	2 7/8	5/8	7.5	5/8 °
A112#									
730S	2 3/4	2 3/8	7/8	—	2 1/8	3 1/2	5/8	8.2	3/4 °
A42									
720	2 3/8	3	—	3 3/4	—	3 1/8	9/16	5.5	5/8 °
720S	2 3/8	3	—	3 3/4	—	3 1/8	9/16	5.5	5/8 °
730	2 7/16	3	—	3 7/8	—	3 3/16	5/8	7.3	5/8 °
730S#	2 7/16	3	—	3 7/8	—	3 3/16	5/8	7.3	5/8 °
AD474									
720S	3 3/8	2 1/4	5 7/8	2 13/16	—	6 7/8	1/2	8.7	1/2 °
AM116									
720S	2 3/4	3	—	1 3/8	—	3 7/16	1 7/8	8.2	1/2 °
F2									
720	31/32	3	2	1 5/16	2 1/8	—	1/4	6.5	1/2 °
720S	31/32	3	2	1 5/16	2 1/8	—	1/4	6.9	3/8 °
730#	31/32	3	2	1 5/16	2 1/8	—	5/16	7.5	3/8 °
F2M SPEC									
720	1 3/4	2	2 1/8	1 5/8	2 1/8	—	3/8	6.5	3/8 °

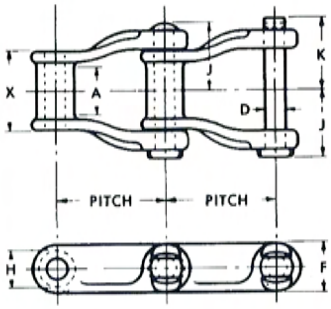
Chain No.	A	B	C	E	H	S	T	Weight Per Foot Lbs. ‡	Bolt Size
F3									
720	1 7/8	2 7/8	2 7/16	2 1/2	5 1/2	2 9/16	3/8	13.8	1/2 °
720S	1 7/8	3	2 3/8	2 1/2	5 1/2	2 11/16	3/8	13.4	1/2 °
720NCS	1 7/8	3	2 3/8	2 1/2	6	2 11/16	1/4	13.8	1/2 °
730	1 7/8	3	2 5/8	2 1/2	6	2 9/16	9/32	14.0	1/2 °
730NCS	1 7/8	3	2 5/8	2 1/2	6	2 9/16	9/32	14.0	1/2 °
F22-6									
720S	1 7/8	3	2 3/8	2 5/8	6	2 11/16	3/8	13.9	3/8 °
720NCS#	1 7/8	3	2 3/8	2 5/8	6	2 11/16	1/4	13.8	3/8 °
F22-7									
730NCS	1 7/8	3	2 5/8	3 5/8	7 1/8	2 1/2	9/32	14.2	1/2 °
F22-8									
720S	1 7/8	3	2 3/8	4 1/2	8 1/8	2 13/16	5/16	14.6	3/8 °
720NCS#	1 7/8	3	2 3/8	4 1/2	8	2 11/16	3/8	14.6	3/8 °
730NCS	1 7/8	3	2 3/8	4 1/2	8	2 9/16	5/16	15.2	3/8 °

Chain No.	A	B	C	F	H	S	T	Weight Per Foot Lbs. ‡	Bolt Size
K2									
730	3	1 11/16	—	2 5/8	15/16	—	5/16	8.6	1/2 °
M1									
720S	1 1/2	3	1 1/2	—	—	3	—	6.9	3/4 °
720NCS#	1 1/2	3	1 1/2	—	—	3	—	6.9	3/4 °
720NCS#	1 1/2	3	1 5/8	—	—	3	—	7.9	3/4 °

• Have dimensions verified for installation purposes
Can be furnished right or left hand
‡ Weights of attachments coupled every pitch
° Round straight hole

H CLASS MILL CHAIN

Used primarily as power transmission drive chain. Closed pin construction allows chain to operate in moderately dusty or abrasive atmospheres. Dimensions shown here can be changed to customer requirements.



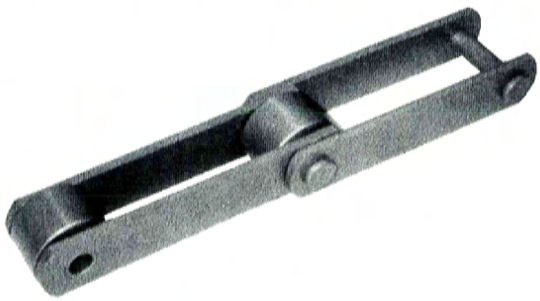
H CLASS MILL CHAIN

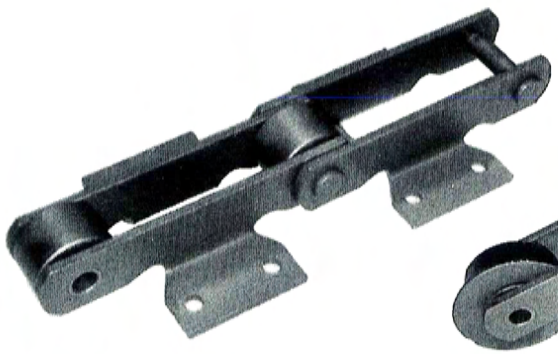
Chain No.	Average Pitch Inches	Average Links In 10 Feet	Average Weight Per Ft. Lbs.	Average Ultimate Strength in Lbs.		Rated Working Load in Lbs.		DIMENSIONS IN INCHES•							ATTACHMENT NUMBERS
								Barrel Length	Side Bar Width	Max. Spkt. Width	Pin Dia. *	Barrel Dia.	℄ To Cotter End	℄ To Head or Riveted End	
				Malleable	Duramal	Malleable	Duramal	X	F	A	D	H	K	J	
H60	2.308	52	2.1	7,000	8,750	1,170	1,400	1 1/2	3/4	3/4	5/16	3/4	1 3/8	1 1/4	F4,H2,K1,RR
H62 ✧	1.654	73	2.4	7,000	8,750	1,030	1,235	1 5/16	13/16	7/8	5/16	13/16	1 1/8	1 3/32	A12R&L
H74	2.609	46	3.0	10,000	12,500	1,525	1,830	1 5/8	1	1	3/8	7/8	1 9/16	1 7/16	F4,H2,K1,R1R&L
H78	2.609	46	4.2	16,000	20,000	2,340	2,810	1 7/8	1 1/8	1 1/8	1/2	7/8	1 11/16	1 5/8	E20,F4,G19,H1,H2,K1,K2,R1R&L,RR
H82	3.075	39	5.5	20,000	25,000	3,080	3,695	2 3/16	1 1/4	1 1/4	9/16	1 7/32	2 1/16	1 7/8	F4,H2,K1,K2,M1
H85	4.000	30	3.3	12,500	15,625	2,080	2,600	2 5/8	1	1 7/8	7/16	31/32	2	1 15/16	
H124	4.000	30	8.8	30,000	37,500	5,000	6,000	2 3/4	1 9/16	1 5/8	3/4	1 7/16	2 7/16	2 1/4	F4,K1

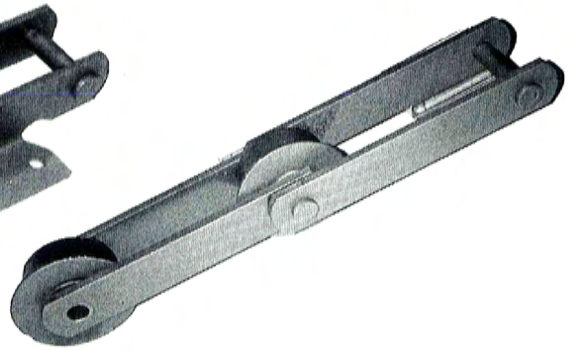
• Have dimensions verified for installation purposes.
✧ Wearing shoes omitted.
* Duramal chains have heat treated pins.

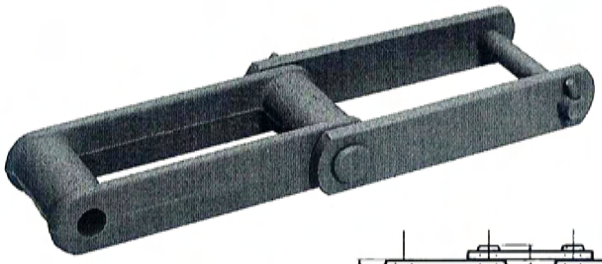
STEEL BUSHED ROLLER CHAIN

Appropriate for long life and heavy duty service in scum skimmers and other applications. Available in a variety of styles. Dimensions shown here can be changed to customer requirements.



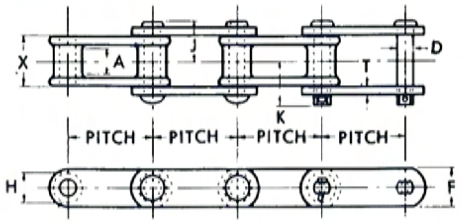






COMBINATION CHAIN AND ATTACHMENTS

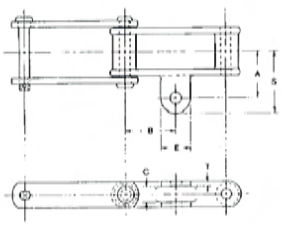
Used in straightline sludge collectors, grit collectors and bar screens. Recommended for applications where a strong and durable, yet inexpensive chain is required. Dimensions shown can be changed to customer requirements.



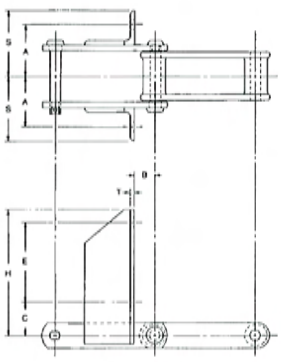
COMBINATION CHAIN

Chain No.	Average Pitch Inches	Approx. Links In 10 Feet	Average Weight Per Ft. Lbs.	Average Ultimate Strength in Lbs.	Rated Working Load in Lbs.	DIMENSIONS IN INCHES•							
						Barrel Length	Side Bar Width	Max. Spkt. Width	Pin Dia. *	Nominal Barrel Dia.	℄ To Cotter End	℄ To Head or Riveted End	Side Bar Thick-ness
				Duramal	Duramal	X	F	A	D	H	K	J	T
N110	6.000	20	6.0	30000	5000	2 7/8	1 1/2	1 15/16	5/8	1 1/4	2 3/16	2 1/32	3/8
N132‡‡	6.050	20	14.4	62500	10400	4 3/8	2	3 1/8	1	1 3/4	3 7/32	2 31/32	1/2
C188	2.609	46	3.6	17500	2340	1 9/16	1 1/8	15/16	1/2	7/8	1 11/32	1 7/32	1/4

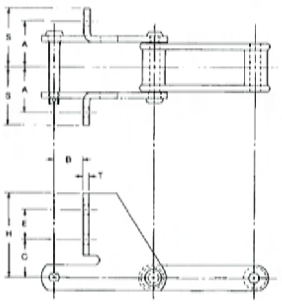
• Have dimensions verified for installation purposes. *Duramal chains have heat treated pins. ‡‡ Cast offset coupler links can be furnished.



N110 CHAIN W/A53



N110 CHAIN W/F1-F24



N110 CHAIN W/F4

COMBINATION CHAIN ATTACHMENTS

Chain No.	A	B	C	E	H	S	T
A53							
N110	2 3/4	3	15/16	1 3/4	—	3 5/8	9/32
F4							
N110	2 23/32	1 3/4	2 1/4	1 3/4	5	3 1/2	3/8
F24							
N110	2 19/32	3	2	6 1/8	9 1/8	3 15/32	3/8
F1							
N110	3	1 1/4	2	—	2 3/4	3 27/32	1/4

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