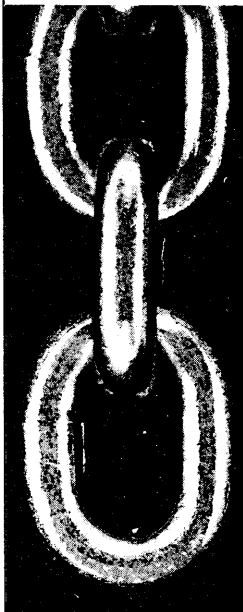




W.J. KEATING LIMITED

PROOF COIL KILN CHAIN

Note: For heat transfer only — not suitable for lifting.



Proof Coil Kiln Chain is available in various alloy and high-carbon steels, as well as the popular low-carbon steel. While not possessing the same heat-transfer properties as Spira-Loop and Loop Chain, it can, nevertheless, be effectively used in kilns where severe temperatures are not encountered. Furnished in ready-to-install or continuous lengths, with or without end links. Can be heat-treated (400+ Brinell) or carburized (500+ Brinell) for greater wear-resistance as required.

Chain Size and Type	Link Dimensions Mat. Dia. x I.W. x I.L.	Links, Foot	Weight, Foot (Carbon Steel)	Surface Area, Foot
5/8" (21/32) Proof Coil	21/32" x 1" x 1-7/8"	6.42	4.10 lbs.	.636 Ft.²
3/4" (25/32) Proof Coil	25/32" x 1-1/8" x 2-1/8"	5.66	5.95 lbs.	.770 Ft.²
7/8" (29/32) Cement Chain	29/32" x 2-1/4" x 4"	3.00	7.35 lbs.	.790 Ft. ²
7/8" (29/32) Proof Coil	29/32" x 1-3/8" x 2-1/2"	4.80	8.11 lbs.	.893 Ft. ²
1" (1-1/32) Proof Coil	1-1/32" x 1-1/2" x 2-3/4"	4.40	10.77 lbs.	1.030 Ft. ²

Weights and dimensions are approximate and subject to plus or minus tolerance of 4%.

NOTE: for carbon steel — wt. based on sp. gr. of .283 lb/in³.

Items shown in bold type normally carried in stock.

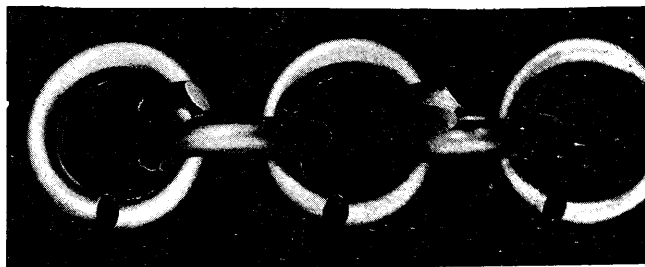
LOOP KILN CHAIN

Note: For heat transfer only — not suitable for lifting.

Provides a new high standard in heat transfer — assuring low chain costs, longer life! Available in Type K (Carroll Alloy), AISI 8620 Alloy, and various carbon steels.

Spira-Loop, the original overlapped circular chain, has approximately 50% more heat-transfer area than Ring Chain, and almost 100% more than Proof Coil. The round-link design, with long overlapping section, assures maximum surface area, and permits the flow of slurry or work-load through the links, creating Spira-Loop's remarkable heat-transfer properties. The link shape, and double thickness which also acts as an eccentric, provide for link rotation, maximum flexibility, and even wear distribution. Self-cleaning. Non-kinking.

Increased surface area and weight per foot intensify scraping action and help eliminate mud-ring formations. Greater surface area per foot decreases number of pieces required, thereby lowering installation costs. Spira-Loop Chain is furnished in ready-to-install lengths, requiring no enlarged end links. Can be heat-treated (400+ Brinell) or carburized (500+ Brinell) for greater wear-resistance as required.



Sizes Available (in.)	Inside Diameter (in.)	Surface Area Per Link (Sq. In.)	Links Per Foot	Weight Per Ft. (Lbs.)	Surface Area Per Ft. (Sq. Ft.)
5/8	2-1/2	30.06	4.8	6.44	.98
3/4	3	43.07	4	9.12	1.18
1	3	59.21	4	17.75	1.64

Other Sizes Available on Request.

Weights and dimensions are approximate and subject to a plus or minus tolerance of 4%.

NOTE: For carbon steel — wt. based on sp. gr. of .283 lb/in³.

Items shown in bold type normally carried in stock.

HEART-SHAPED CAST SHACKLES



New configuration with center protrusion provides individual wear-prevention pockets for double-hung chain.

U-SHAPED HAIRPIN HANGERS



available in carbon steel, alloy steel and various types of stainless steel.

SHACKLES



available with or without nuts and bolts in carbon steel, alloy steel, and various types of stainless steel.

SPIRA-LOOP LINKS



with overlapping areas open. Available for fast connecting to various kiln shell anchoring units.

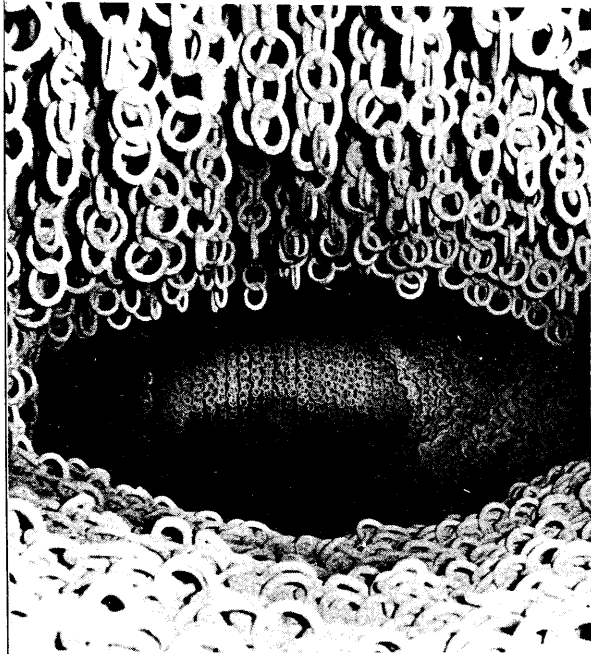
We can furnish engineering advice on other hanging products and devices.



RING KILN CHAIN

Material C1008; C1022, C1038, 8620.

Note: For heat transfer only — not suitable for lifting.



Provides excellent heat transfer — assures long chain life, low costs! Made in various stainless, special alloys, and carbon steels, in a variety of sizes; and configurations designed for highest necessary thermal efficiency.

Flash-welded circular links have much more weight and heat-transfer surface area than Proof Coil Chain. Circular shape, which permits the slurry or work-load to pass through the links, combines with increased surface area to produce intensified heat-transfer, thus reducing fuel costs. Circular design also facilitates link rotation, ensuring maximum flexibility, minimum kinking, self-cleaning, and even distribution of wear. Flash-welding provides controlled, high-quality welds, free of foreign materials.

Greater surface area and weight increase the scraping action on kiln wall, helping to prevent the formation of mud rings. Less expensive than Proof Coil per sq. ft. of surface area.

Ring Chain effects further economy by requiring fewer pieces to provide the same amount of surface area. Available in ready-to-install lengths, requiring no enlarged end links. Can be heat-treated (400+ Brinell) or carburized (500+ Brinell) for greater wear-resistance as required.

RING-TYPE CARBON & ALLOY STEEL KILN CHAIN

Chain Size	Link Dimensions Mat'l. x Inside Dia.	Links Per Foot	Weight Per Foot (lbs)	Surface Area Per Link (in ²)	Surface Area Per Foot (ft ²)	Surface Area Per Weight (in ² /lb)
5/8"	21/32" x 2-1/2"	4.80	4.56	20.42	.681	21.70
3/4"	25/32" x 3"	4.00	6.45	29.12	.810	18.30
7/8"	29/32" x 3"	4.00	8.96	34.82	.97	15.07
1"	1-1/32" x 3"	4.00	11.99	41.00	1.14	14.00
1"	1-1/32" x 3-1/2"	3.43	11.55	46.07	1.10	13.90
1"	1-1/32" x 3-9/16"	3.37	11.81	46.70	1.10	14.00
1-1/8"	1-1/8" x 3-1/2"	3.43	14.04	51.30	1.23	13.00
1-1/4"	1-1/4" x 4"	3.00	17.19	64.83	1.35	11.00

TAY-LOOP RING-TYPE STAINLESS STEEL KILN CHAIN

Chain Size	Link Dimensions Mat'l. x Inside Dia.	Links Per Foot	Weight Per Foot (lbs)	Surface Area Per Link (in ²)	Surface Area Per Foot (ft ²)	Surface Area Per Weight (in ² /lb)
5/8"	5/8" Exact x 2-1/2"	4.80	4.19	19.26	.642	22.30
3/4"	3/4" Exact x 3"	4.00	6.04	27.73	.771	18.60
7/8"	7/8" Exact x 3"	4.00	8.74	33.46	.93	15.33
1"	1" Exact x 3"	4.00	11.78	39.43	1.09	13.80
1"	1" Exact x 3-1/2"	3.43	11.37	44.30	1.06	14.00

Weights and dimensions are approximate and subject to a plus or minus tolerance of 4%.

NOTE: A. Following Stainless Steels are available: Type A.I.S.I. 304, 309.

B. Other Stainless Steel materials available upon request.

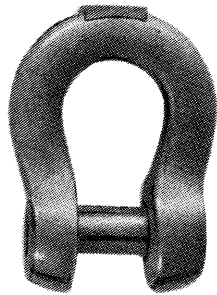
C. Weights are based on sp. gr. of .29 lb/in³ for stainless, and .283 lb/in³ for carbon and alloy.

D. Items shown in bold type normally carried in stock.



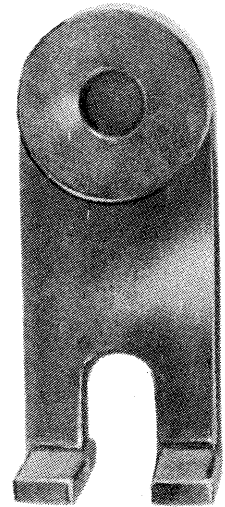
W.J. KEATING LIMITED

KILN CHAIN HANGERS AND SHACKLES



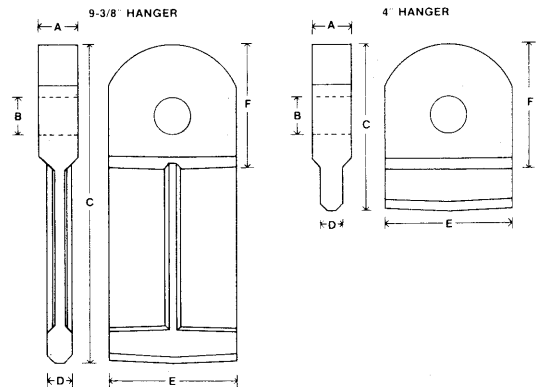
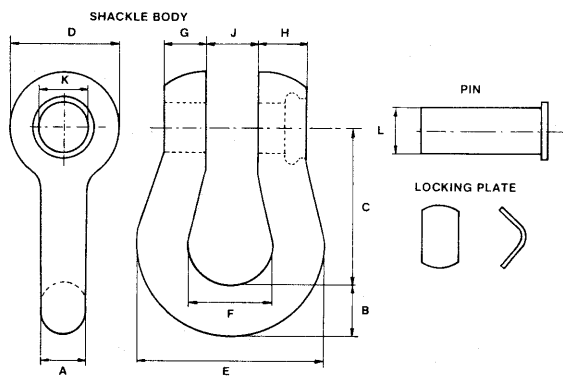
K-4034

K-4035



BETTER PRODUCTS
GREATER EFFICIENCY
LOWER COST

BETTER PRODUCTS
GREATER EFFICIENCY
LOWER COST



DIMENSIONS

SHACKLE	A	B	C	D	E	F	G	H	J	K	L
INCHES	15 16	1 1/8	3 1/2	2 13/32	4 1/8	2	15 16	1 1/16	1 1/4	1 3/32	1
mm	23.8	28.5	88.9	61.1	104.8	50.8	23.8	27	31.8	27.7	25.4

INCHES (wide)	A	B	C	D	E	F	G	H	J	K	L
INCHES	15 16	1 1/8	3 1/2	2 13/32	4 1/8	2	15 16	1 1/16	1 1/4	1 3/32	1
mm	23.8	28.5	88.9	61.1	104.8	50.8	23.8	27	31.8	27.7	25.4

INSTALLATION INSTRUCTIONS

1. HANG CHAIN ON SHACKLE
2. POSITION SHACKLE OVER HANGER
3. PUSH PIN THROUGH SHACKLE AND HANGER
4. PLACE LOCKING PLATE IN ITS RECESS
5. STRAIGHTEN LOCKING PLATE WITH A FEW HAMMER BLOWS

ITEM	DIMENSIONS	A	B	C	D	E	F
9-3/8" HANGER	INCHES	1-1/16	1-1/16	9-3/8	3/4	3-1/2	3-3/8
	mm	27	27	238	19	89	86
4" HANGER	INCHES	1-1/16	1-1/16	4	3/4	3-1/2	3-15/16
	mm	27	27	102	19	89	100



K-4036

SPIRAL HANGER IN HEAT TREATED STEEL



W.J. KEATING LIMITED

STUD LINK ANCHOR CHAIN MINE USE QUALITY

