



W.J. KEATING LIMITED

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.