

COMPONENTS

KILN CHAINS



MONMET

CUSTOM METAL PROVIDER

Monmet supplies a variety of rotary kiln chains and accessories. Monmet has the know-how to optimize kiln chain systems.

OVAL SHAPED CHAINS

Tolerances for all technical data: plus/minus 6% for weights and measurements.

Diameter of material	3/4"		7/8"	1"		1 1/8"	1 3/16"
Pitch	2 3/4"	3 1/8"	3 1/8"	3 19/32"	4 3/4"	3 7/8"	4 5/32"
Outside width	2 3/5"	2 7/10"	3"	3 1/2"	4"	4"	4 1/5"
Weight per link (lb)	1.26	1.38	1.91	2.81	3.26	3.56	4.40
No. of links (per ft)	4.35	3.81	3.81	3.35	2.54	3.11	2.90

ROUND RING CHAINS

Diameter of material	3/4"					7/8"			1"				1 1/8"	1 3/16"
Pitch	2 3/4"	3"	2 9/16"	3 1/8"	4"	3"	3 1/8"	3"	3"	3 1/8"	3 1/2"	4"	4"	4"
Weight per link (lb)	1.36	1.46	1.45	1.71	2.05	2.02	2.11	2.25	2.25	2.80	3.04	3.33	4.27	4.99
No. of links (per ft)	4.36	4.01	4.69	3.81	3.05	4.01	3.81	4.01	4.01	3.81	3.43	3.05	3.05	3.05

MATERIAL SPECIFICATIONS (OTHER MATERIALS AVAILABLE)

† for kilns with gas or oil firing

‡ for kilns with coal, petcoke or waste firing

	USA AISI	Chemical composition approximate average in %						Heat resistance range in gas stream				Recommended application area in rotary kiln	†	‡
		C	Si	Mn	Cr	Ni	Al	min.		max.				
								°C	°F	°C	°F			
Carbon Steels	C 1008	0.20 max.	0.30 max.	0.30	-	-	-	-	-	500	932	Dust Curtain Plastic Zone	*	*
	C 1022	0.22	0.20	0.40	-	-	-	-	-	500	932		*	*
	C 1035	0.35	0.20	0.70	-	-	-	-	-	500	932		*	*
	8620	0.20	0.30	0.70	0.50	0.55	-	-	-	550	1022		*	*
Ferritic Steels	9 F	0.10	1.00	1.00 max.	13.00	-	1.00	500	932	900	1742	Preheat Zone	*	
	10 F	0.10	1.00	1.00 max.	18.00	-	1.00	800	1472	1100	2012	Hot Zone	*	
Austenitic Steels (Cr Ni Mn)	85 MA	0.20	1.00	8.00	17.00	4.00	-	500	932	850	1562	Preheat Zone	*	*
	105 MA	0.20	0.45	9.00	20.00	4.50	-	750	1382	1050	1922	Hot Zone	*	*
	115 MA	0.20	0.80	9.00	25.00	6.00	-	850	1562	1200	2192		*	*
Austenitic Steels	304	0.05	1.00 max.	2.00 max.	18.00	8.00	-	500	932	850	1562	Preheat Zone	*	*
	321	0.1	1.0	2.00 max.	18.00	10.50	-	500	932	850	1562	Preheat Zone	*	*
	-	0.15	2.00	2.00 max.	20.00	12.00	-	750	1382	1050	1922	Hot Zone	*	*
	310	0.15	2.00	2.00 max.	25.00	20.00	-	800	1472	1200	2192		*	*

CONTACT US AND GET A QUOTE

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