



**UNIKING**

**KILN CHAIN & ACCESSORIES**





# JAMMB ROUND KILN CHAIN



## ROUND CHAIN

- Aids Heat Transfer
- Enhances Production
- Readily Available
- Various Materials

### Wrought Type Chain:

- Carbon Steel
- Abrasion Resistant
- Ferritic Stainless
- Austenitic Stainless

### Cast Type Chain:

- Abrasion Resistant
- Ferritic Stainless
- Austenitic Stainless
- Ductile Iron

### Popular Sizes:

- 3/4" Cross Section x 3" I.D.
- 7/8" Cross Section x 3" I.D.
- 1" Cross Section x 3" I.D.
- Other Sizes on Demand

Diameter		Pitch		Weight/Ring		Weight		Surface area per unit length	
mm	inch	mm	inch	kg	lbs	kg per m	lbs per 100 ft	cm <sup>2</sup> /m	ft <sup>2</sup> /ft
16	5/8	70	2 3/4	0,43	0,95	6,14	413	1940	0,637
18	5/8	100	4	0,74	1,63	7,40	497	2096	0,688
19	3/4	65	2 5/16	0,65	1,43	10,00	672	2423	0,795
19	3/4	70	2 3/4	0,63	1,39	9,00	605	2384	0,782
19	3/4	76	3	0,67	1,48	8,82	592	2344	0,769
20	3/4	65	2 5/16	0,67	1,48	10,31	693	2581	0,847
20	3/4	70	2 3/4	0,70	1,54	10,00	672	2538	0,833
20	3/4	76	3	0,75	1,65	9,90	665	2493	0,818
20	3/4	78	3 5/16	0,77	0,70	9,87	663	2480	0,814
20	3/4	80	3 1/8	0,78	1,72	9,75	655	2467	0,810
20	3/4	100	4	0,93	2,05	9,30	625	2369	0,777
22	7/8	76	3	0,93	2,05	12,24	822	2802	0,919
22	7/8	80	3 1/8	0,97	2,14	12,13	815	2768	0,908
22	7/8	100	4	1,14	2,51	11,40	766	2649	0,869
23	7/8	76	3	1,02	2,25	13,42	902	2957	0,970
23	7/8	80	3 1/8	1,07	2,36	13,38	899	2923	0,959
23	7/8	100	4	1,14	2,51	11,40	765	2792	0,916
25	1	76	3	1,23	2,71	16,18	1088	3279	1,076
25	1	80	3 1/8	1,29	2,85	16,12	1083	3238	1,062
25	1	89	3 1/2	1,40	3,09	15,73	1057	3160	1,037
25	1	100	4	1,52	3,35	15,20	1021	3084	1,012
28	1 1/8	100	4	1,95	4,30	19,50	1310	3537	1,161
30	1 3/16	100	4	2,28	5,03	22,80	1532	3849	1,263
32	1 1/4	100	4	2,65	5,84	26,50	1781	4169	1,368



# JAMMB SHACKLES

PATENTED TECHNOLOGY



Experience has shown that the kiln chain area the actual temperatures are approx. 100-150°C (212-302°F) lower than in the kiln centre, therefore, a lower heat resisting grade for shackles and hangers is recommended and more cost effective.

- Reduces dust generation by up to 50% over common sizes of round link chain
- Twice the surface area per link compared to 3/4" x 3" roundlink chain
- Half the required links means reduced installation Cost
- Proprietary Alloys for optimized chain link life
- Often less than 12 month Return-On-Investment

Diameter															weight	drawing	
D		D1		a		b		c		d		e		f		kg	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		
19	3/4	19	3/4	95	3 3/4	50	2	34	1 11/32	22	7/8	14	9/16	45	1 3/4	0,75	1216/1782
22	7/8	22	7/8	100	4	55	2 5/32	36,5	1 7/16	26	1	16	5/8	52	2 1/16	1,05	9471120
27	1 1/10	22	7/8	95	3 3/4	50	2	27		26		20	3/8	48		1,30	977556
24	15/16	20	3/4	93	3 5/32	48	1 57/64	27	1 1/16	26	1 1/64	20	3/4	48	1 57/64	1,20	975676
24	15/16	20	3/4	95	3 5/64	46	1 19/16	27	1 1/16	26	1 1/64	20	3/4	48	1 57/64	1,20	3087116
25	1	25	1	102	4	58	2 5/16	38	1 1/2	29	1 5/32	18	23/32	59	2 15/16	1,50	950
25	1	25	1	102	4	58	2 5/16	38	1 1/2	26	1 5/32	18	23/32	59	2 15/16	1,50	950-M 24
25	1	25	1	102	4	58	2 5/16	38	1 1/2	24	1 5/32	18	23/32	59	2 15/16	1,50	950-M 22
25	1	25	1	102	4	58	2 5/16	43	1 1/2	26	1 5/32	18	23/32	59	2 15/16	1,50	950-43-M 24
25	1	20	3/4	100	4	60	3	26	1	26	1	20	3/4	50	2	1,30	3123
25	1	25	1	122		58	2 5/16	45	1 25/32	27,5	1 5/64	22,5	7/8	57	2 1/4	1,70	M5
25	1	25	1	122		58	2 5/16	45	1 25/32	26		22,5	7/8	57	2 1/4	1,70	M 5-Pi 25
25	1	33	1 3/64	92		58	2 5/16	41	1 39/64	27		23	7/8	56	2 13/64	2,00	B 25
28	1 1/8	28	1 1/8	130	3 3/4	70	2 3/4	34	1 3/34	31	1 7/32	27	1 1/16	68	2 49/64	2,00	B 28



# JAMMB LINK HANGER ASSEMBLY

*PATENTED TECHNOLOGY*



## JAMMB LINK HANGER

- No Chain Hangups
- Heavy Duty
- Easily Installed
- Alloy Flexibility
- Exclusive JAMMB Lock



Cap Easily Slides Base  
Onto Base

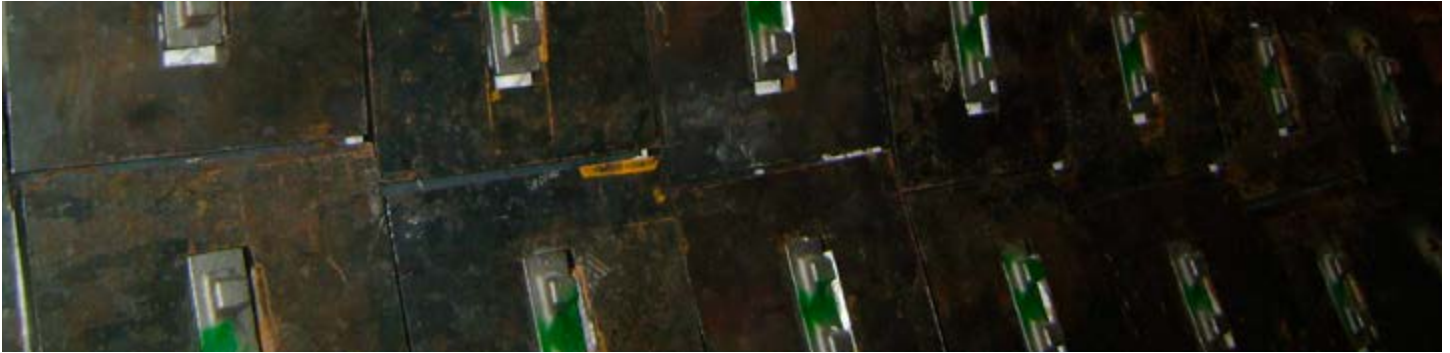
JAMMBCO Patented LINK HANGER ASSEMBLY (2 PART) comes with our unique base and cap that replaces a traditional hanger and shackle assembly. The advantages of the JAMMBCO Link Hanger Assembly are:

- Free rotation of the chain prevents chain hang-ups
- The cap can be replaced and/or re-used
- Easy removal during a turnaround
- Heavy duty design increases life
- Easily installed with our exclusive locking system
- Material for base can be matched to the shell to avoid any welding issues
- Used with any refractory thickness
- Can be used on a bare kiln shell
- Provided in numerous alloys depending on service temperature
- Minimal heat loss through the shell
- JAMMBCO on-site installation supervision is available



# JAMM METAL ECONOLINER

PATENTED TECHNOLOGY



## ECONOLINER SYSTEMS

JAMMBCO ECONOLINER SYSTEMS have many advantages over conventional castable linings when used in the chain area of the kiln:

- **Increases Kiln Effective ID**
- **Longer Life**
- **Increases Production**
- **Reduces Kiln Dust**
- **Low Installation Cost**



Liner plate and based showing fibre insulation



Liner system showing the cap and base detail

JAMMBCO Patented ECONOLINER SYSTEMS have many advantages over conventional castable linings when used in the chain area of the kiln.

- **Significant increase in Kiln working internal diameter**
- **Reduced Dust Generation due to pressure drop**
- **Increased lining life**
- **Easily Installed plus no bake out required**
- **Lower installation cost due to reduced hardware**
- **Provided in numerous alloys depending on temperature**
- **Minimal heat loss through the shell**
- **Protects the shell and eliminates chain wear on the refractory**
- **JAMMBCO on-site installation supervision is available**

Case History: On a 12' ID kiln our customer was able to increase the internal diameter by 12.5%.



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