

# SUPPLY SERVICES

performance engineering products

## CAN-AM Chains – Round Link Chain

### ALLOY STEEL LONG LINK CHAIN

This type of chain is designed to operate over a sprocket wheel and is largely used in sawmills for conveying logs, slabs, sawdust, etc. It can be supplied to the dimensions shown in the following table, or to other dimensions which may be specified on order. Each link is made to a specified inside length (pitch) and width to provide for correct operation of the chain over the teeth of the sprocket.

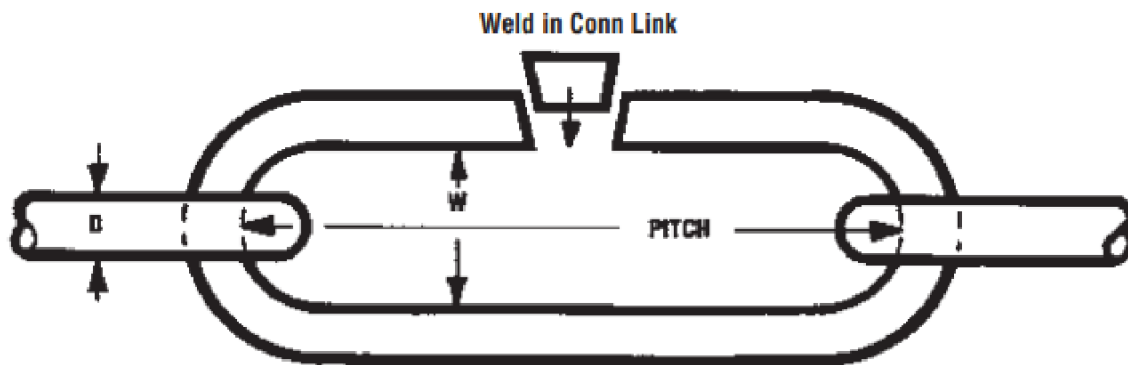
This chain is normally supplied with refuse conveyor flights, commonly called skookum flights. These attachments may be installed at our plant, or shipped separately for your installation on the job site.

Cast steel tang flights, UHMW tang flights and UHMW bar flights are also available.

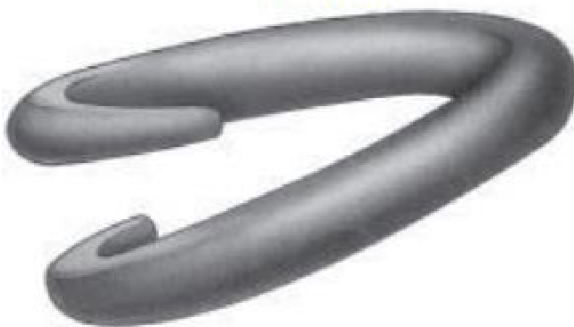
The advantages of using Alloy Long Link chain are as follows:

- for use where the properties of alloy steel fully heat treated, can save on down time and replacements costs compared to chains of lesser quality.
- extremely high hardness value.
- reduced elongation problem.
- resistant to shock loading, grain growth, and work hardening.
- less reduction in strength when used at temperatures up to 700° F. than other grades of chain tested.
- not subject to brittle fracture at low temperatures.

Note: We recommend that new sprockets be installed with new chain.

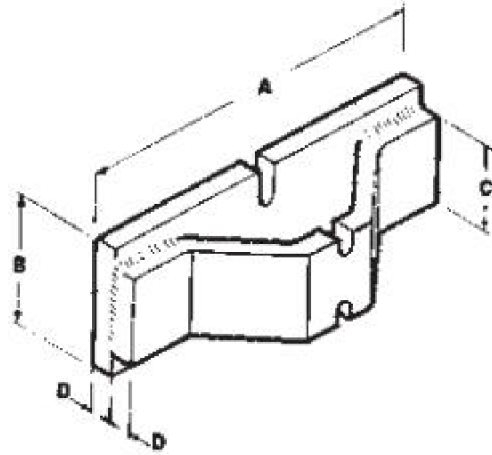
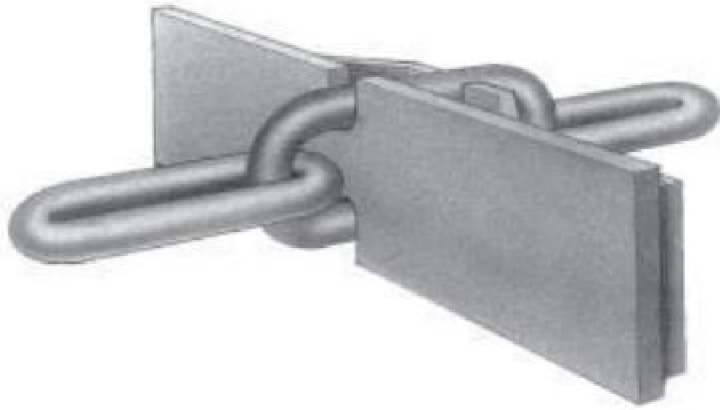


LAP LINK



Diameter	Inside Width	Inside Length	Minimum Breaking Load lbs.	Proof Test Load lbs.	Weight per Foot lbs.
D	W	Pitch			
3/4	1 1/2	6	69,500	32,200	4.15
7/8	1 1/2	6	93,500	40,200	5.90
1	1 1/2	6	122,000	54,100	7.70
1	1 3/4	6	122,000	54,100	7.90
1 1/8	1 1/2	6	143,000	62,300	10.00
1 1/8	1 3/4	6	143,000	62,300	10.25
1 1/8	2	6	143,000	62,300	10.50
1 1/4	2	6	180,000	80,500	13.00
1 1/2	2 1/4	8	244,000	112,000	17.50

# FABRICATED STEEL SKOOKUM FLIGHTS

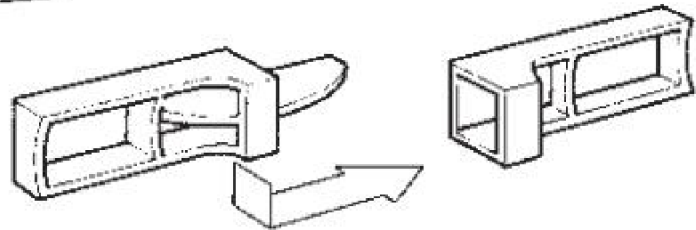
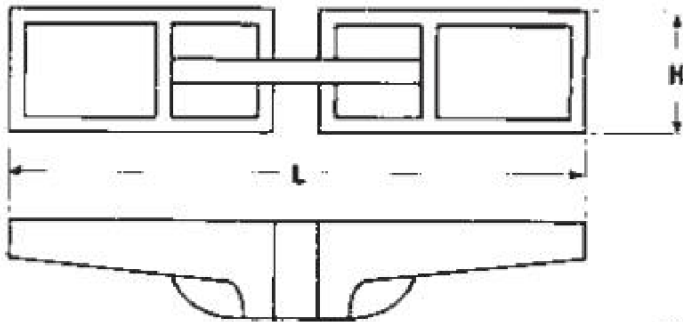
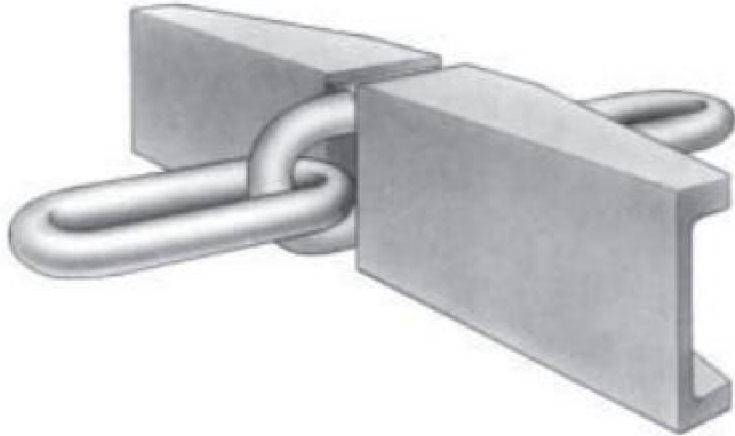


Available with UHMW face.

Chain Size								
3/4 x 1 1/2 x 6	A	12	14	16	18	20	22	24
	B	3	3	3	3	3	3	3
	C	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
	D	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Weight	12.59	14.52	16.48	18.44	20.38	22.32	24.26
7/8 x 1 1/2 x 6	A	12	14	16	18	20	22	24
	B	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3
	D	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Weight	14.90	17.19	19.47	21.76	24.04	26.32	28.60
1 x 1 1/2 x 6	A	12	14	16	18	20	22	24
	B	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3
	D	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Weight	17.88	20.62	23.36	26.10	28.84	31.58	34.32
1 x 1 3/4 x 6	A	12	14	16	18	20	22	24
	B	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3
	D	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Weight	19.13	22.10	25.08	28.05	31.09	34.01	36.99
1 1/8 x 1 1/2 x 6	A	12	14	16	18	20	22	24
1 1/8 x 1 3/4 x 6	B	4	4	4	4	4	4	4
1 1/8 x 2 x 6	C	3	3	3	3	3	3	3
	D	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Weight	19.13	22.10	25.08	28.05	31.09	34.01	36.99

# CAST STEEL TANG FLIGHTS

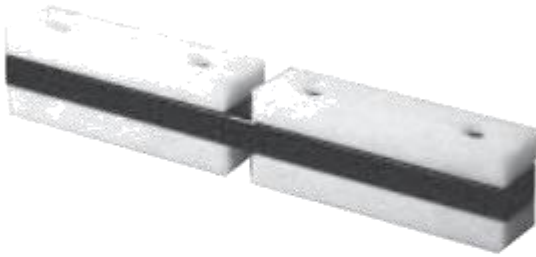
Also available in UHMW



Chain Size																
3/4 x 1 1/2 x 6	Length	12	14	15	16	17	18	19	20	22	24					
7/8 x 1 1/2 x 6	Height	4	4	4	4	4	4	4	4	4	4					
1 x 1 1/2 x 6	Weight	15	17	18	19	20	21	22	23	25	27					
1 x 1 3/4 x 6	Length	12	14	15	16	17	18	19	20	21	24	26	28	30	32	34
1 1/8 x 1 3/4 x 6	Height	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1 x 1 1/2 x 6	Weight	16	18	19	20	21	22	23	24	26	28	30	32	34	36	38
1 1/8 x 1 3/4 x 6	Length				16	17	18	19	20	22	24	26	28	30	32	34
1 1/8 x 2 x 6	Height				4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
1 1/4 x 2 x 6	Weight				28	29	30	31	32	34	36	38	40	42	44	46
1 1/8 x 1 3/4 x 6	Length						18	19	20	22	24	26	28	30	32	34
1 1/8 x 2 x 6	Height						5	5	5	5	5	5	5	5	5	5
1 1/4 x 2 x 6	Weight						38	39	40	42	44	46	48	50	52	54

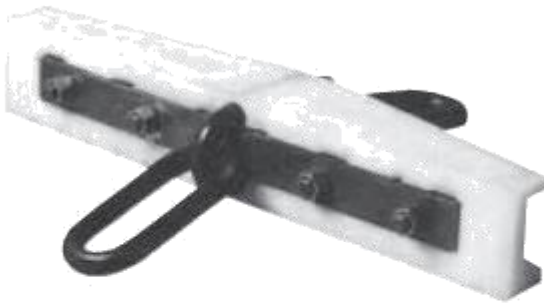
5" Tang Type will not fit in 1 1/2" wide long link chains

# UHMW CONVEYOR FLIGHTS FOR LONG LINK CHAIN



## FLAT BAR

- 4" and 5" heights
- 16" to 36" lengths
- bolts to standard long link chains
- extra strength due to 1" flat bar
- easy to install
- longer life



## ADVANCED DESIGN FEATURES

- recessed truss flat bar to eliminate bolt shear. This feature reduces flight bending under normal operating conditions and during a jam up situation
- available in 4" and 5" heights
- fits all sizes of round and square link chain
- sizes from 18" to 36" lengths
- five bolt assembly for added strength — all bolts are grade 5 c/w Nyloc nuts and hardened flat washers
- all common sizes stocked
- quick and easy installation

Because of its light weight and self-lubricating qualities, UHMW conveyor flight will reduce the drag on your conveyor system — requiring less power to operate. It reduces wear on the conveyor trough, and will greatly reduce noise level problems.

**OTHER SPECIAL FLIGHTS ARE ALSO AVAILABLE**

# I-ANCO Chains – Square Link Chain

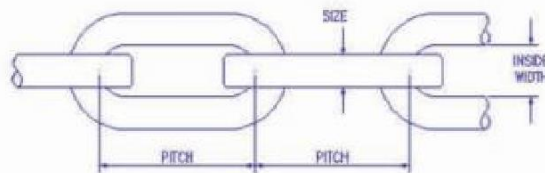
## I'ANCO LONG LINK CHAIN



I'ANCO Products can help keep you competitive in a demanding marketplace. As the pioneer of the squared profile for long link chain, I'ANCO recommends this style of chain for your log haul and waste conveyor requirements.

Available in both Austenitic Manganese and Alloy 2A (a controlled balanced selection of strength enhancing elements), I'ANCO can provide a solution to your conveying needs.

CHAIN SIZE	EST. WT. (lbs)	MANGANESE MAX WORKING LOAD	ALLOY 2A MAX WORKING LOAD	ULTIMATE STRENGTH
1 x 1-3/4 x 6	9	20,000	24,000	100,000
1-1/8 x 2 x 6	13	25,000	30,000	125,000
1-1/4 x 2 x 6	16	30,000	36,000	150,000
1-1/2 x 2-1/4 x 8	21	43,000	51,000	215,000
1-3/4 x 2-1/2 x 8	30	58,000	69,000	285,000



## CONNECTING LINKS



I'ANCO Products offers two styles of connecting links for your cast square long link. Depending on the material of your original chain, I'ANCO can provide a #4 Alloy Weld In Style link or a #5 Manganese Lap Style link.

CHAIN SIZE	EST. WT. (lbs)
1 x 1-3/4 x 6	4.5
1-1/8 x 2 x 6	6
1-1/4 x 2 x 6	7
1-1/2 x 2-1/4 x 8	15
1-3/4 x 2-1/2 x 8	21.5

#4 Alloy Weld In Style



#5 Manganese Lap Style



# I'ANCO SERIES 300 INTEGRAL FIXED LOOP FLIGHT

## SERIES 300 INTEGRAL FIXED LOOP FLIGHT

I'ANCO cast Series 300 flights are available from 4" to 6" high depending on the size of the chain and up to width of 48".

CHAIN SIZE	HEIGHT	WIDTH
1 x 1-3/4 x 6	4"	18" up to 30"
1-1/8 x 2 x 6	4-1/2 and 5"	12" up to 36"
1-1/4 x 2 x 6	4-1/2 and 5"	12" up to 36"
1-1/2 x 2-1/4 x 8	5 and 6"	26" up to 48"
1-3/4 x 2-1/2 x 8	5 and 6"	26" up to 48"



# I'ANCO SERIES 400 ALLOY DUAL TANG FLIGHT

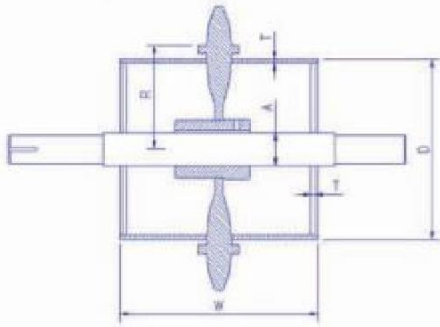
## SERIES 400 ALLOY DUAL TANG FLIGHT

With widths ranging from 12" to 48" and heights from 4" to 6", I'ANCO cast Series 400 flights offers flexibility to suit your needs. The abrasion resistant dual tang flights provides the best economical solution without compromising integrity and reliability.

CHAIN SIZE	HEIGHT	WIDTH
1 x 1-3/4 x 6	4"	12" up to 30"
1-1/8 x 2 x 6	4-1/2 and 5"	12" up to 40"
1-1/4 x 2 x 6	4-1/2 and 5"	12" up to 40"
1-1/2 x 2-1/4 x 8	6"	26" up to 48"
1-3/4 x 2-1/2 x 8	6"	26" up to 48"

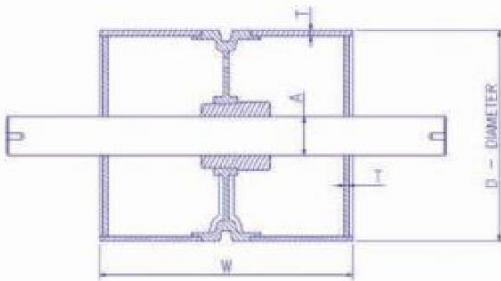


# CAST LONG LINK CHAIN SPROCKETS



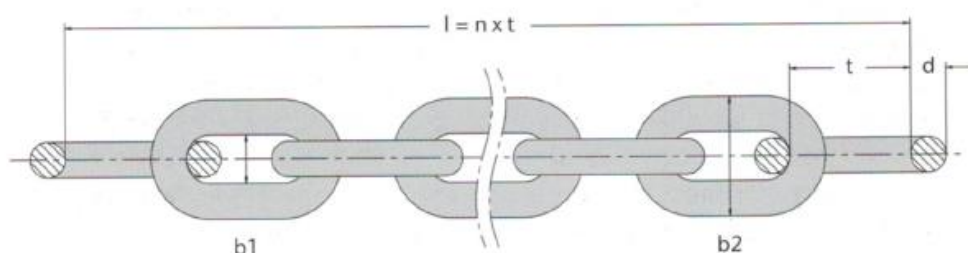
CHAIN SIZE	DRUM		RADIUS	BORE SIZES	
	D	W T			R
<b>5 Tooth</b>					
1 & 1-1/8 x 1-3/4 x 6	14	As Required	1/2	8-7/8	2-7/16 – 3-15/16
1-1/8 & 1-1/4 x 2 x 6	14	As Required	1/2	8-1/8	2-7/16 – 3-15/16
<b>7 Tooth</b>					
1 & 1-1/8 x 1-3/4 x 6	20	As Required	1/2	12-1/4	2-15/16 – 5-7/16
1-1/8 & 1-1/4 x 2 x 6	20	As Required	1/2	12-3/16	2-15/16 - 7

# CAST ALLOY SINGLE GROOVE DRUMS



D	DRUM		BORE SIZES
	T	W	
20	1/2	Flight Width + 2	2-7/16 – 3-15/16
24	1/2	Flight Width + 2	2-7/16 – 4-15/16
30	1/2	Flight Width + 2	3-7/16 – 5-15/16
36	1/2	Flight Width + 2	As Required

# HEKO Ketten Chains – Round Link Chain



Dimensions/ mm nominal dia. x pitch d x t (mm)	DIN chain	b1 inside width min. (mm)	b2 outside width max. (mm)	weight kg/m	tempered HEKO qualities		case hardened HEKO qualities					
					31 MBK kN <sub>1</sub>	32 MBK kN <sub>1</sub>	280 E MBK kN <sub>1</sub>	21 MBK kN <sub>1</sub>	210 E MBK kN <sub>1</sub>	400 E MBK kN <sub>1</sub>	5 MBK kN <sub>1</sub>	350 E MBK kN <sub>1</sub>
6 x 18,5	766	7,2	20,4	0,8	28	34	15	14	12	22	20	19
8 x 22,5	WN	9,2	25,6	1,4	50	60	28	25	21	40	37	35
8 x 24,0	766	9,6	27,2	1,4	50	60	28	25	21	40	37	35
8 x 25,4	WN	10,0	26,0	1,4	50	60	28	25	21	40	37	35
9 x 27,0	766	10,8	30,6	1,8	63	76	35	32	26	51	47	44
9 x 31,0	WN	12,0	30,2	1,5	63	76	35	32	26	51	47	44
10 x 28,0	766	12,0	36,0	2,3	78	94	44	39	33	63	58	55
10 x 35,0	764	14,0	36,0	2,0	78	94	44	39	33	63	58	55
10 x 50,0	762	14,0	36,0	1,8	78	94	44	39	33	63	58	55
11 x 31,0	766	13,2	40,0	2,7	95	114	53	47	40	76	70	66
13 x 36,0	766	15,6	47,0	3,9	132	159	74	66	56	106	98	93
13 x 45,0	764	18,0	47,0	3,5	132	159	74	66	56	106	98	93
13 x 65,0	762	18,2	46,8	3,1	132	159	74	66	56	106	98	93
14 x 41,0	766	16,8	50,0	4,4	154	185	86	77	65	123	114	108
14 x 50,0	WN	16,3	47,0	4,1	154	185	86	77	65	123	114	108
14 x 64,0	WN	16,3	47,0	3,7	154	185	86	77	65	123	114	108
14 x 100,0	WN	16,0	47,0	3,0	154	185	86	77	65	123	114	108
16 x 45,0	766	19,2	58,0	5,8	201	241	112	100	84	160	148	140
16 x 56,0	764	22,0	58,0	5,2	201	241	112	100	84	160	148	140
16 x 64,0	WN	20,0	55,0	5,1	201	241	112	100	84	160	148	140
16 x 80,0	762	22,4	57,6	4,7	201	241	112	100	84	160	148	140
18 x 50,0	766	21,6	65,0	7,4	254	305	142	127	107	203	188	178
18 x 63,0	764	24,0	65,0	6,5	254	305	142	127	107	204	188	178
18 x 64,0	WN	21,0	60,0	6,6	254	305	142	127	107	204	188	178
19 x 75,0	WN	22,0	63,0	7,6	283	340	158	141	119	227	210	198
20 x 56,0	766	24,0	72,0	9,0	314	376	175	157	132	251	232	220
20 x 70,0	764	27,0	72,0	8,2	314	376	175	157	132	251	232	220
20 x 100,0	762	28,0	72,0	7,4	314	376	175	157	132	251	232	220
22 x 86,0	WN	26,0	74,0	9,8	380	456	212	190	160	304	281	266
23 x 64,0	766	27,6	83,0	12,0	415	498	232	207	174	332	307	290
23 x 80,0	764	31,0	83,0	11,0	415	498	232	207	174	332	307	290
26 x 73,0	766	31,2	94,0	15,0	530	637	298	265	223	425	392	371
26 x 91,0	764	35,0	94,0	14,0	530	637	298	265	223	425	392	371
26 x 100,0	WN	31,0	87,0	13,5	530	637	298	265	223	425	392	371
28 x 78,0	766	33,6	101,0	18,0	615	739	344	308	258	492	455	431
28 x 98,0	764	36,0	101,0	16,5	615	739	344	308	258	492	455	431
30 x 84,0	766	36,0	108,0	20,0	706	848	395	353	296	565	523	494
30 x 105,0	764	39,0	108,0	19,0	706	848	395	353	296	565	523	494
30 x 120,0	WN	36,0	102,0	17,8	706	848	395	353	296	565	523	494
33 x 92,0	766	43,0	119,0	25,0	855	1026	478	427	359	684	633	598
33 x 115,0	764	43,0	119,0	22,5	855	1026	478	427	359	684	633	598
34 x 136,0	WN	39,0	113,0	23,8	907	1089	508	453	381	726	672	635
36 x 101,0	766	43,2	130,0	29,0	1017	1221	570	508	428	814	753	712
36 x 126,0	764	47,0	130,0	26,5	1017	1221	570	508	428	814	753	712
38 x 144,0	WN	44,0	127,0	30,0	1134	1360	635	567	476	907	839	794
39 x 109,0	766	51,0	140,0	34,0	1194	1433	669	597	502	956	884	836
39 x 136,0	764	51,0	140,0	31,0	1194	1433	669	597	502	956	884	836
42 x 118,0	766	50,0	151,0	40,0	1385	1662	776	692	582	1108	1025	970
42 x 147,0	764	55,0	151,0	36,0	1385	1662	776	692	582	1108	1025	970