

DAVIDSON CHAIN PTY. LTD.

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DAVO

Manufacturers of
SPECIAL CHAINS and ATTACHMENTS

INTRODUCTION

Special chain and attachments have been manufactured by the Davidson family for the past three decades. We have produced in excess of 1000 different types of attachments some of which we have listed in this catalogue. We also manufacture a complete range of A.S.A. & B.S. standard steel and stainless steel attachments.

THESE ARE JUST SOME OF THE INDUSTRIES WE COVER ...

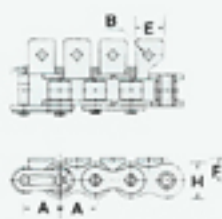
Packaging
Food
Confectionery
Timber
Printing
Agriculture Chain
Conveying
Earth Moving
Fruit Handling
Wool Industry
and plenty of others!

ALSO IN STOCK WE HAVE:-

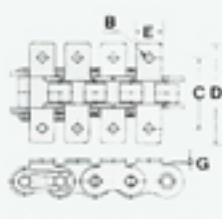
Standard Chains
Sprockets
Leaf Chains
Extended Pin Chain
Motor Bike Chain
Go Kart Chain



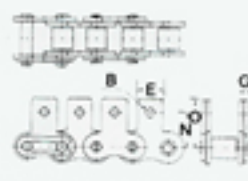
*Regards Paul Davidson
John Davidson
Tom Davidson
Karen Davidson*



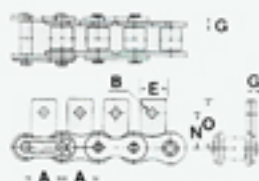
SHORT A₁ ATTACHMENT



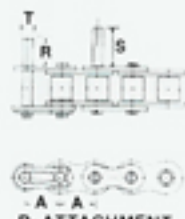
SHORT K₁ ATTACHMENT



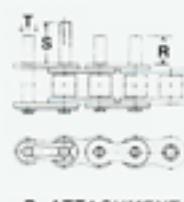
SHORT M₁ ATTACHMENT



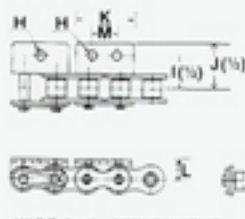
SHORT M₃₅ ATTACHMENT



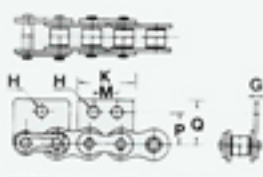
D₁ ATTACHMENT



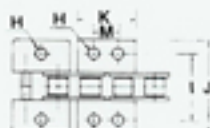
D₂ ATTACHMENT



WIDE A₁, A₂ ATTACHMENT



WIDE M₁, M₂ ATTACHMENT

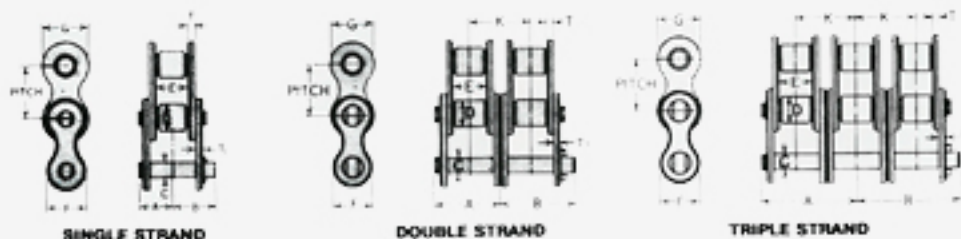


WIDE K₁, K₂ ATTACHMENT



Dimensions in inches

CHAIN TYPE	BRITISH STANDARD						AMERICAN STANDARD						
	06B	08B	10B	12B	16B	20B	ASA35	ASA40	ASA50	ASA60	ASA80	ASA100	
Pitch	A	.375	.500	.625	.750	1.000	1.250	.375	.500	.625	.750	1.000	1.250
Short Att. Hole Dia.	B	-	.170	.196	.281	.263	.344	.109	.140	.203	.203	.265	.345
Short Att. Transverse P.	C	-	.937	1.250	1.500	1.875	2.500	.750	1.000	1.250	1.500	2.000	2.500
Short Att. Overall Width	D	-	1.500	1.750	2.350	2.940	3.690	1.080	1.410	1.770	2.150	2.800	3.565
Short Att. Width	E	-	.460	.500	.650	1.420	1.010	.312	.375	.500	.625	.750	1.000
Short Att. Height	F	-	.350	.400	.531	.600	.781	.250	.312	.406	.468	.625	.780
Attachment Thickness	G	-	.062	.062	.080	.125	.150	.051	.062	.080	.094	.125	.150
Wide Att. Hole Dia.	H	-	.191	.196	.218	.318	.325	-	.140	.203	.203	.265	.345
Wide Att. Transverse P.	I	-	1.000	1.250	1.375	2.250	2.500	-	1.000	1.250	1.500	2.000	2.500
Wide Att. Overall Width	J	-	1.600	1.800	2.020	3.090	3.690	-	1.410	1.770	2.150	2.800	3.565
Wide Att. Width	K	-	.935	1.150	1.370	1.810	2.290	-	.935	1.150	1.435	1.885	2.225
Wide Att. Height	L	-	.350	.400	.450	.650	.781	.250	.312	.406	.468	.625	.780
Wide K2 Hole Centre	M	-	.500	.625	.750	1.000	1.250	-	.500	.625	.750	1.000	1.250
Short Att. Hole Height	N	-	.500	.625	.875	.937	1.250	.375	.500	.625	.718	.968	1.250
Short Att. Overall Height	O	-	.760	.875	1.150	1.445	1.700	.703	.897	1.149	1.050	1.795	1.700
Wide Att. Hole Height	P	-	.435	.625	.693	1.062	1.250	-	.500	.625	.718	.975	1.250
Wide Att. Overall Height	Q	-	.665	.875	1.150	1.360	1.700	-	.780	.875	.900	1.330	1.830
Short Ext. Pin Length	R	.440	.560	.670	.810	1.310	1.500	.440	.625	.670	.930	1.190	1.500
Long Ext. Pin Length	S	.875	1.125	1.375	1.560	2.560	2.875	.750	1.155	1.500	1.875	2.375	2.875
Pin Dia.	T	.129	.175	.200	.225	.325	.400	.141	.156	.200	.234	.312	.375



Single Strand

Chain Pitch Inches	Chain Number	Average Tensile Strength lb	Average Weight lb/ft	DIMENSIONS - INCHES								
				A	B	C	D	E	F	G	T	T
3/8	06B Δ	2,300	.25	.25	.29	.129	.250	.23	.33	.32	.05	.04
1/2	08B	4,600	.48	.34	.39	.175	.335	.31	.43	.46	.06	.06
5/8	10B	5,900	.64	.38	.46	.200	.400	.38	.54	.58	.06	.06
3/4	12B	7,500	.87	.44	.52	.225	.475	.46	.64	.63	.07	.07
1	16B	16,500	2.00	.72	.80	.326	.625	.67	.83	.83	.16	.12
1 1/4	20B	25,500	2.60	.82	.94	.401	.750	.77	1.04	1.04	.18	.14
1 1/2	24B	43,500	4.80	1.06	1.26	.576	1.000	1.00	1.32	1.31	.24	.20
1 3/4	28B	51,000	5.80	1.28	1.49	.626	1.100	1.22	1.46	1.46	.30	.25
2	32B	66,500	6.50	1.32	1.49	.701	1.150	1.22	1.67	1.66	.28	.25
2 1/4	40B	90,500	10.60	1.63	1.82	.901	1.550	1.50	2.10	2.08	.34	.32

Double Strand

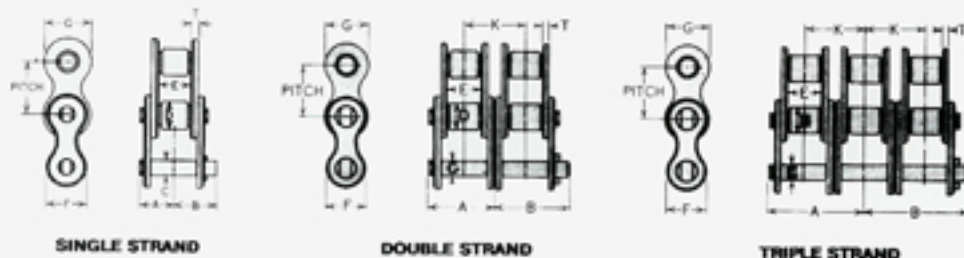
Chain Pitch Inches	Chain Number	Average Tensile Strength lb	Average Weight lb/ft	DIMENSIONS - INCHES									
				A	B	C	D	E	F	G	K	Y	T
3/8	06B-2 Δ	4,370	.47	.45	.49	.129	.250	.23	.33	.32	.403	.05	.04*
1/2	08B-2	8,050	.87	.61	.67	.175	.335	.31	.43	.46	.548	.06	.06*
5/8	10B-2	11,600	1.2	.71	.79	.200	.400	.38	.54	.58	.653	.06	.06
3/4	12B-2	15,000	1.70	.83	.91	.225	.475	.46	.64	.63	.766	.07	.07
1	16B-2	33,000	3.80	1.34	1.43	.326	.625	.67	.83	.83	1.255	.16	.12
1 1/4	20B-2	51,000	5.00	1.54	1.66	.401	.750	.77	1.04	1.04	1.435	.18	.14
1 1/2	24B-2	87,000	9.30	2.00	2.22	.576	1.000	1.00	1.32	1.31	1.904	.24	.20
1 3/4	28B-2	102,000	11.20	2.46	2.66	.626	1.100	1.22	1.46	1.46	2.345	.30	.25
2	32B-2	133,000	12.60	2.47	2.64	.701	1.150	1.22	1.67	1.66	2.305	.28	.25
2 1/4	40B-2	181,000	20.80	3.06	3.24	.901	1.550	1.50	2.10	2.08	2.846	.34	.32

Triple Strand

Chain Pitch Inches	Chain Number	Average Tensile Strength lb	Average Weight lb/ft	DIMENSIONS - INCHES									
				A	B	C	D	E	F	G	K	Y	T
3/8	06B-3 Δ	6,440	.71	.65	.69	.129	.250	.23	.33	.32	.403	.05	.04*
1/2	08B-3	11,500	1.30	.89	.94	.175	.335	.31	.43	.46	.548	.06	.06*
5/8	10B-3	17,400	1.80	1.04	1.12	.200	.400	.38	.54	.58	.653	.06	.06
3/4	12B-3	22,500	2.60	1.21	1.29	.225	.475	.46	.64	.63	.766	.07	.07
1	16B-3	49,500	5.50	1.97	2.05	.326	.625	.67	.83	.83	1.255	.16	.12
1 1/4	20B-3	76,500	7.90	2.25	2.37	.401	.750	.77	1.04	1.04	1.435	.18	.14
1 1/2	24B-3	130,560	14.00	2.96	3.17	.576	1.000	1.00	1.32	1.31	1.904	.24	.20
1 3/4	28B-3	153,000	17.10	3.63	3.83	.626	1.100	1.22	1.46	1.46	2.345	.30	.25
2	32B-3	199,500	18.70	3.60	3.80	.701	1.150	1.22	1.67	1.66	2.305	.28	.25
2 1/4	40B-3	271,500	31.20	4.48	4.66	.901	1.550	1.50	2.10	2.08	2.846	.34	.32

*Have dimensions certified for installation purposes.

ASA/ANSI Standard Roller Chains



SINGLE STRAND

DOUBLE STRAND

TRIPLE STRAND

Single Strand

Chain Pitch Inches	Chain Number	Average Tensile Strength lb	Average Weight lb/ft	DIMENSIONS - INCHES							
				A	B	C	D	E	F	G	T
3/8	35	2,100	.25	.24	.26	.141	200▲	.19	.31	.35	.05
1/2	40	3,700	.40	.33	.38	.156	313	.31	.41	.47	.06
5/8	41	2,000	.28	.27	.32	.141	306	.25	.32	.38	.05
1	50	6,100	.63	.41	.48	.200	400	.38	.51	.59	.08
1 1/4	60	8,500	.94	.51	.59	.234	469	.50	.60	.71	.09
1 1/2	80	14,500	1.70	.65	.78	.313	625	.63	.79	.95	.13
1 3/4	100	24,000	2.60	.79	.91	.375	750	.75	1.02	1.18	.16
2	120	34,000	3.70	1.00	1.12	.437	875	1.00	1.22	1.42	.19
2 1/4	140	46,000	5.00	1.07	1.25	.500	1,000	1.00	1.42	1.65	.22
2 1/2	160	58,000	6.60	1.28	1.45	.563	1,125	1.25	1.58	1.85	.25
3	200	95,000	10.60	1.58	1.78	.781	1,563	1.50	1.97	2.28	.32

Double Strand

Chain Pitch Inches	Chain Number	Average Tensile Strength lb	Average Weight lb/ft	DIMENSIONS - INCHES									
				A	B	C	D	E	F	G	K	T	
3/8	35-2	4,200	.50	.44	.46	.141	200▲	.19	.31	.35	.398	.05	
1/2	40-2	7,400	.81	.65	.69	.156	313	.31	.41	.47	.567	.06	
5/8	50-2	12,200	1.30	.77	.83	.200	400	.38	.51	.59	.713	.08	
1	60-2	17,000	1.90	.96	1.04	.234	469	.50	.60	.71	.898	.09	
1 1/4	80-2	29,000	3.40	1.23	1.36	.313	625	.63	.79	.95	1.154	.13	
1 1/2	100-2	48,000	5.00	1.50	1.61	.375	750	.75	1.02	1.18	1.409	.16	
1 3/4	120-2	68,000	7.40	1.89	2.01	.437	875	1.00	1.22	1.42	1.787	.19	
2	140-2	92,000	10.00	2.03	2.22	.500	1,000	1.00	1.42	1.65	1.925	.22	
2 1/4	160-2	116,000	13.20	2.43	2.60	.563	1,125	1.25	1.58	1.85	2.303	.25	
3	200-2	190,000	21.10	2.98	3.19	.781	1,563	1.50	1.97	2.28	2.819	.32	

Triple Strand

Chain Pitch Inches	Chain Number	Average Tensile Strength lb	Average Weight lb/ft	DIMENSIONS - INCHES									
				A	B	C	D	E	F	G	K	T	
3/8	35-3	6,300	.74	.64	.66	.141	200▲	.19	.31	.35	.398	.05	
1/2	40-3	11,100	1.20	.89	.95	.156	313	.31	.41	.47	.567	.06	
5/8	50-3	18,300	1.90	1.16	1.23	.200	400	.38	.51	.59	.713	.08	
1	60-3	25,500	2.80	1.41	1.49	.234	469	.50	.60	.71	.898	.09	
1 1/4	80-3	43,500	5.00	1.80	1.93	.313	625	.63	.79	.95	1.154	.13	
1 1/2	100-3	72,000	7.60	2.20	2.32	.375	750	.75	1.02	1.18	1.409	.16	
1 3/4	120-3	102,000	11.10	2.78	2.91	.437	875	1.00	1.22	1.42	1.787	.19	
2	140-3	138,000	14.90	3.00	3.18	.500	1,000	1.00	1.42	1.65	1.925	.22	

Have dimensions certified for installation purposes.

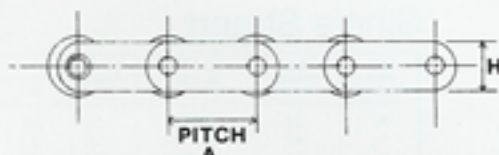
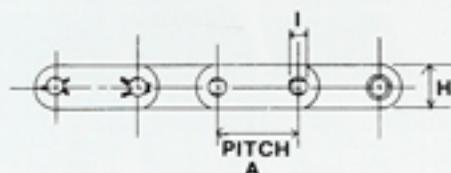
▲ Bushing diameter. Chain is rollerless.

Special type chains, other multiple strand chains and heavy series also available.

Sprockets both British & American Standard Simplex 1/2" to 1" pitch available from stock.

ASA DOUBLE PITCH CHAINS

CONVEYOR SERIES — STRAIGHT SIDE PLATES

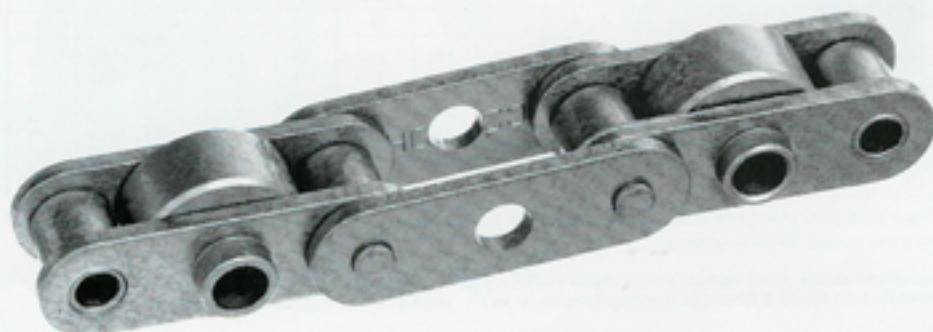


Straight Side Plates Standard Rollers

Straight Side Plates Oversize Rollers

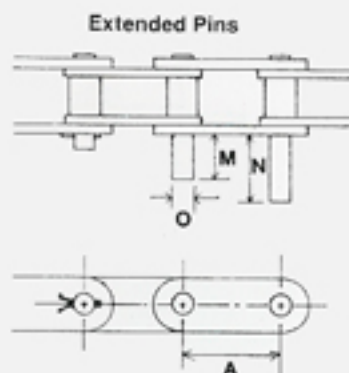
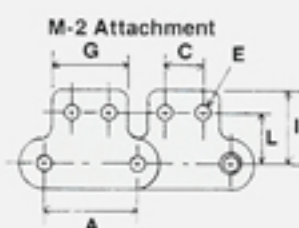
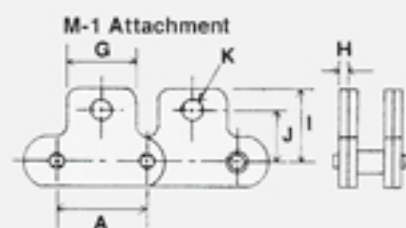
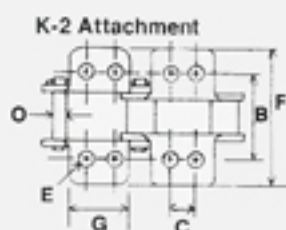
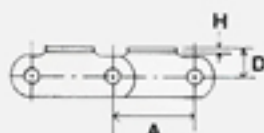
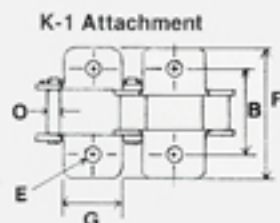
STANDARD ROLLERS		C2040	C2050	C2060H	C2080H	C2100H	C2120H	C2160H
OVERSIZE ROLLERS		C2042	C2052	C2062H	C2082H	C2102H	C2122H	C2162H
Pitch	A	1.000	1.250	1.500	2.000	2.500	3.000	4.000
Roller Width	B	.312	.375	.500	.625	.750	1.000	1.250
Roller Dia. Standard	C	.312	.400	.469	.625	.750	.875	1.125
Roller Dia. Oversize	D	.625	.750	.875	1.125	1.563	1.750	2.250
Overall Rivetted	E	.650	.790	1.110	1.140	1.670	2.070	2.600
Connector Pin Length	F	.740	.960	1.200	1.500	1.810	2.240	4.120
Side Plate Thickness	G	.060	.080	.125	.156	.187	.218	.281
Side Plate Height	H	.460	.590	.690	.880	1.150	1.370	1.870
Pin Diameter	I	.156	.200	.234	.312	.375	.437	.562
Ave Ult Strength (lbs)		3700	6100	8500	14500	24000	34000	58000
Ave Wt. Per ft Std.								
Rollers (lbs)		.380	.590	1.050	1.390	2.500	3.800	6.180
Ave. Wt. per ft Oversize								
Rollers (lbs)		.600	.930	1.500	2.100	4.050	5.500	9.340

(Dimensions in inches)



ASA DOUBLE PITCH CHAINS

CONVEYOR SERIES — STRAIGHT SIDE PLATES

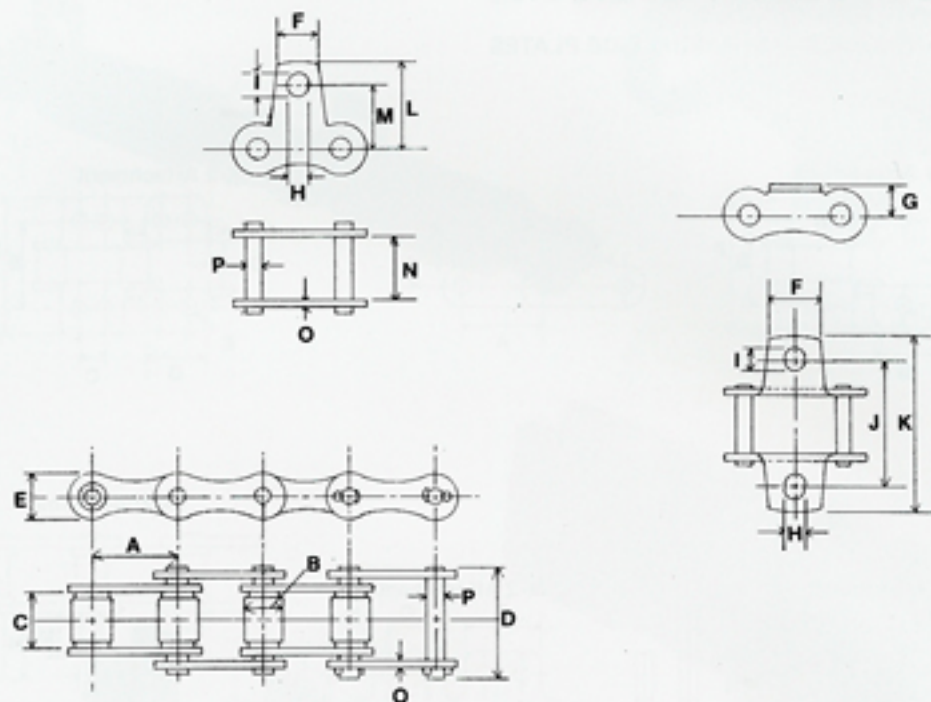


STANDARD ROLLERS		C2040	C2050	C2060H	C2080H	C2100H	C2120H
OVERSIZE ROLLERS		C2042	C2052	C2062H	C2080H	C2102H	C2122H
Pitch	A	1.000	1.250	1.500	2.000	2.500	3.000
K. Transverse Pitch	B	1.000	1.250	1.688	2.188	2.625	3.125
Att. Hole Centres	C	.375	.469	.563	.750	.938	1.125
K Attachment Height	D	.360	.438	.578	.750	.922	1.094
Att. Hole Diameter	E	.125	.205	.205	.266	.321	.394
K Overall Width	F	1.500	2.000	2.400	3.030	3.900	4.780
Attachment Width	G	.750	1.000	1.125	1.500	1.875	2.250
Attachment Thickness	H	.062	.080	.125	.156	.187	.236
M. Att. Height	I	.765	1.030	1.200	1.500	1.990	2.360
M1 Hole Height	J	.438	.563	.689	.875	1.125	1.313
M1 Hole Dia	K	.190	.250	.340	.375	.500	.565
M2 Hole Height	L	.531	.625	.750	1.000	1.250	1.469
Short Ext. Pin Length	M	.625	.813	.813	1.125	1.375	1.125
Long Ext. Pin Length	N	1.156	1.500	1.750	2.250	2.750	—
Pin. Dia.	O	.156	.200	.234	.312	.375	.437

(Dimensions in inches)

AGRICULTURE CHAINS

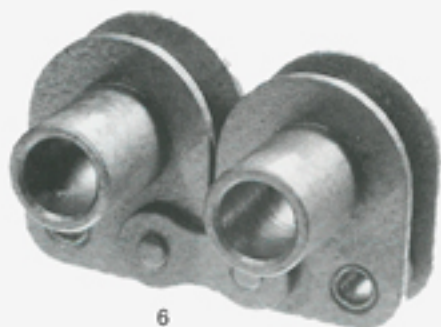
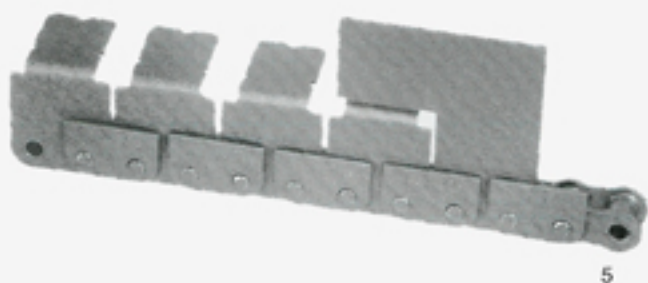
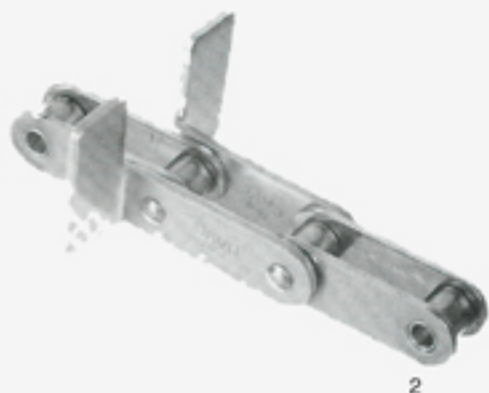
Malleable Chain Replacement Series



CHAIN TYPE		S32	S42	S52	S55	S45	CA550	S62	S62H	S88
Pitch	A	1.150	1.375	1.500	1.630	1.630	1.630	1.650	1.650	2.609
Roller Dia.	B	.450	.562	.600	.700	.600	.656	.750	.750	.900
Between Inner Plates	C	.625	.75	.875	.875	.875	.805	1.000	1.000	1.125
Connector Pin Length	D	1.240	1.610	1.700	1.700	1.700	1.680	1.830	1.900	2.310
Plate Depth	E	.530	.780	.680	.680	.680	.770	.680	.985	1.030
Att. Length	F	.550	.700	.750	.800	.800	.750	.870	1.000	1.250
K Att. height	G	.340	.550	.450	.450	.450	.427	.450	.685	.820
Slot Width	H	.196	.261	.261	.261	.261	.340	.261	.382	.328
Slot Length	I	.250	.380	.320	.380	.380	.340	.510	.620	.340
K. Transverse Pitch	J	1.750	2.250	2.375	2.250	2.250	2.000	2.875	2.660	3.875
K Overall Width	K	2.400	2.950	3.050	2.950	2.950	3.080	3.750	4.040	4.700
M1 Height above Pitch Line	L	1.030	1.350	1.250	1.190	1.190	1.225	1.520	-	2.190
M1 Hole Height	M	.680	.930	.870	.780	.780	.720	.970	-	1.720
Width B/W outer plates	N	.815	1.021	1.146	1.146	1.146	1.050	1.274	1.310	1.498
Plate Thickness	O	.062	.100	.100	.100	.100	.100	.100	.120	.156
Pin Dia	P	.175	.275	.225	.225	.225	.281	.225	.375	.345
Breaking Load (lbs/ft)		1800	6000	4000	4000	4000	11250	6000	10 000	10000
Weight per ft (lbs/ft)		.510	1.080	1.050	1.110	.980	1.400	1.260	1.600	2.190

(Dimensions in inches)

NOTE: CA550 has straight side plates and round attachment holes.





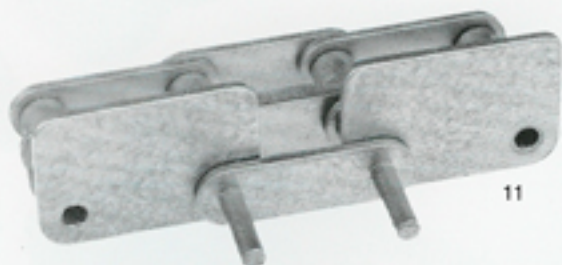
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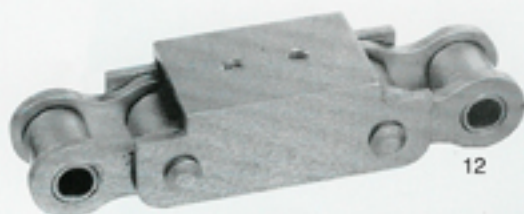
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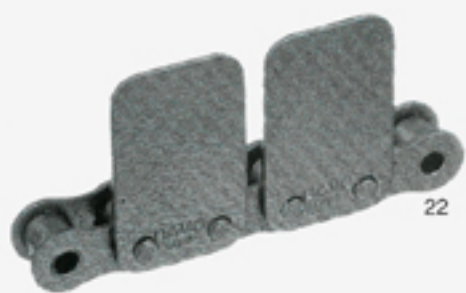
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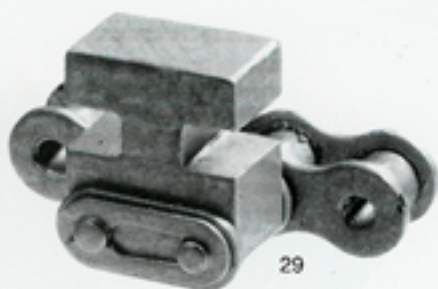
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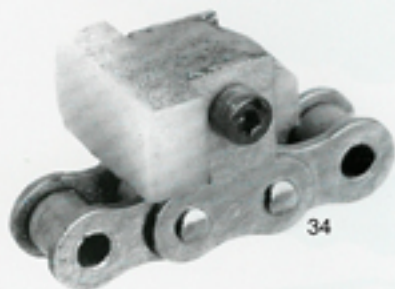
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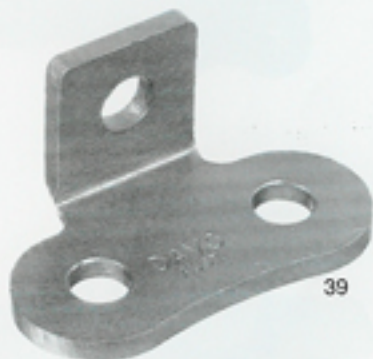
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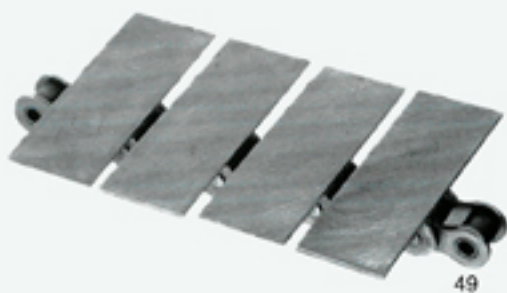


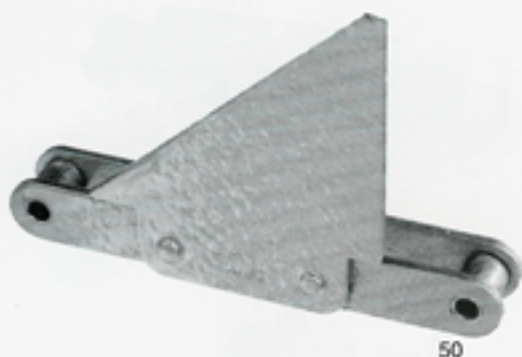
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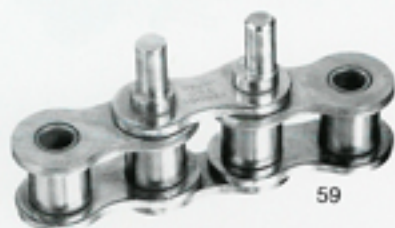
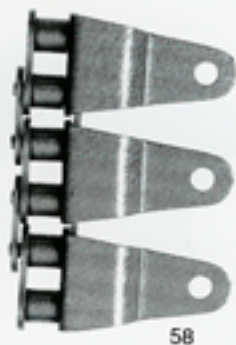
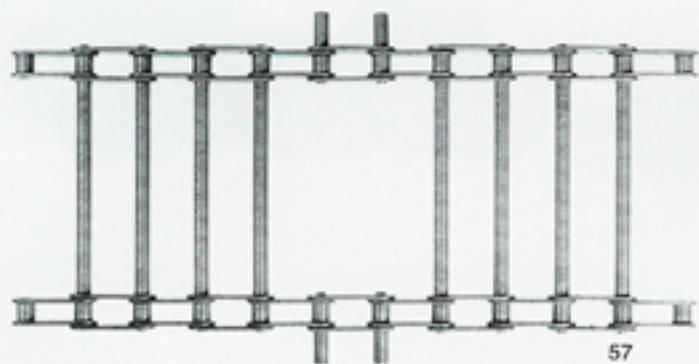
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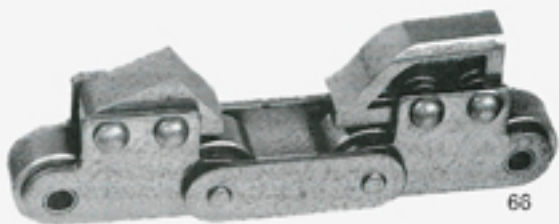
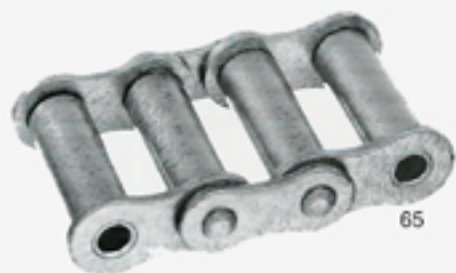


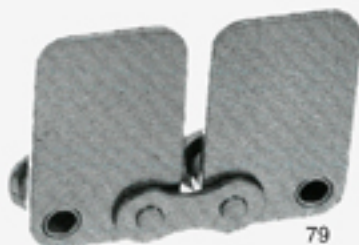
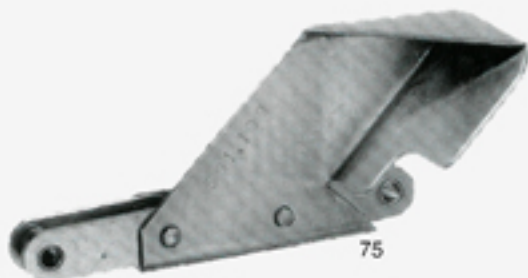
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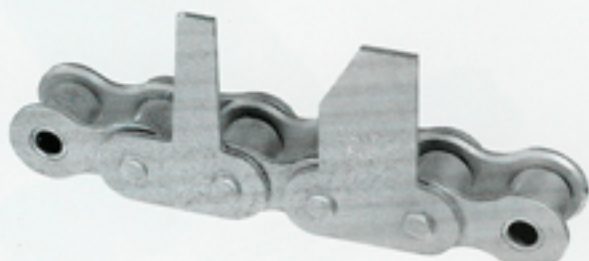




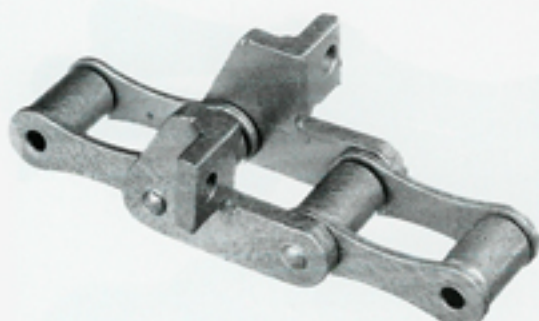
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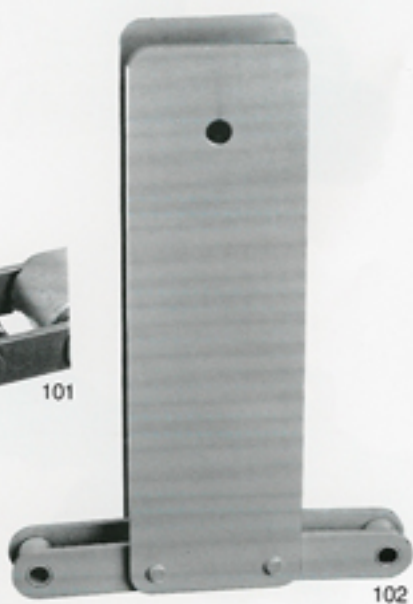
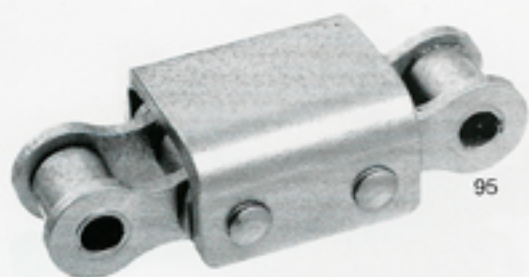
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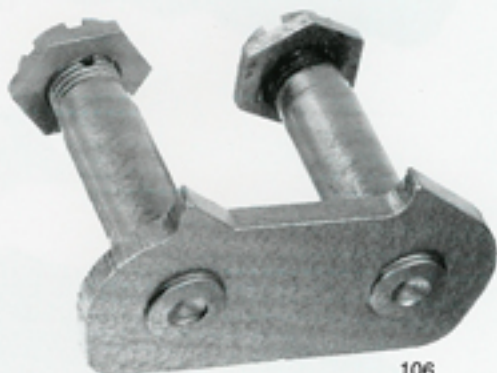
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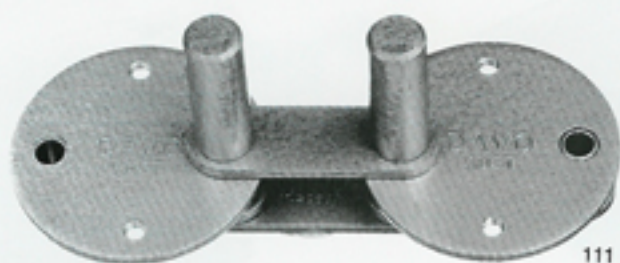
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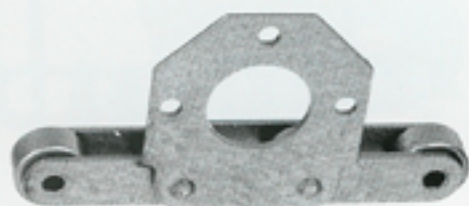
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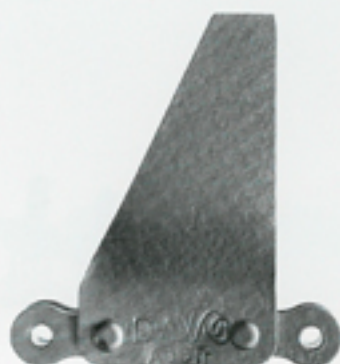
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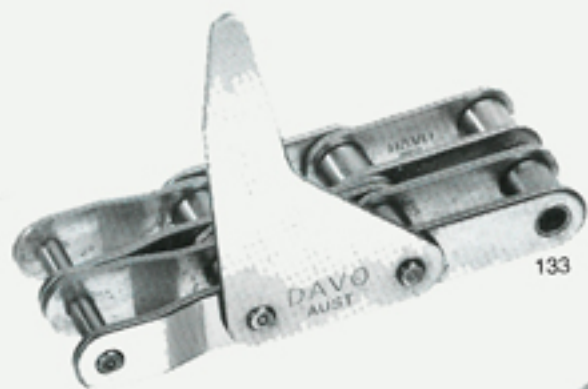
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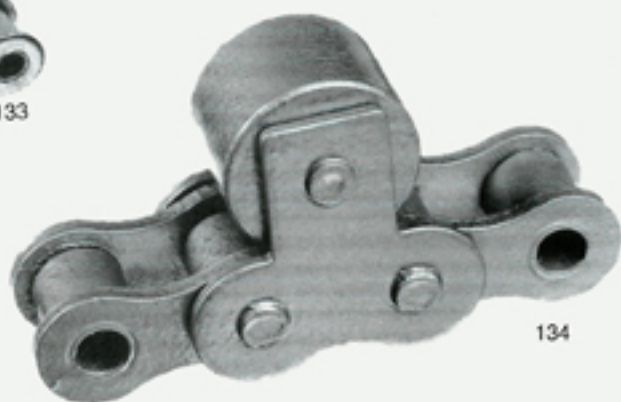
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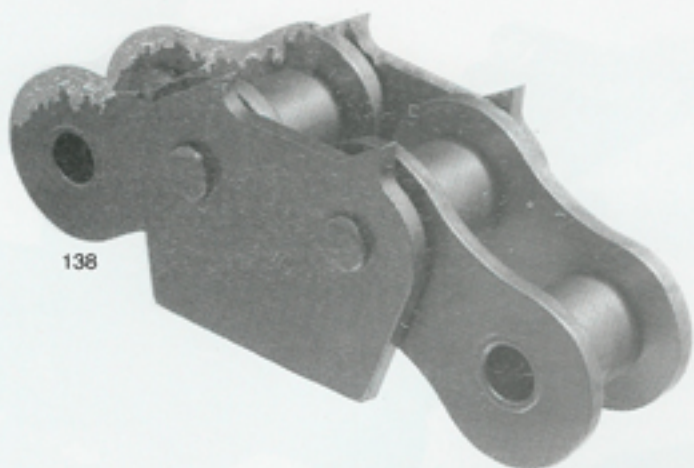
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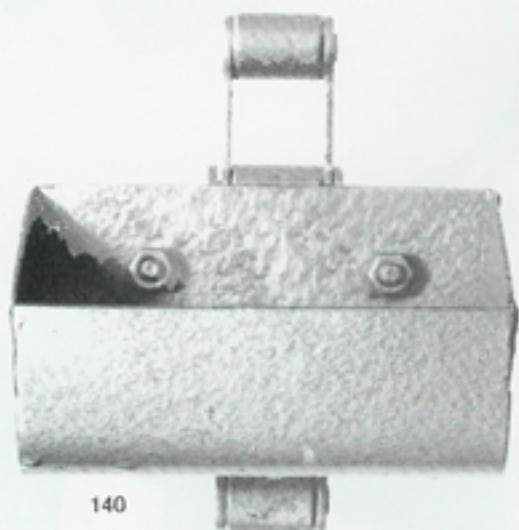
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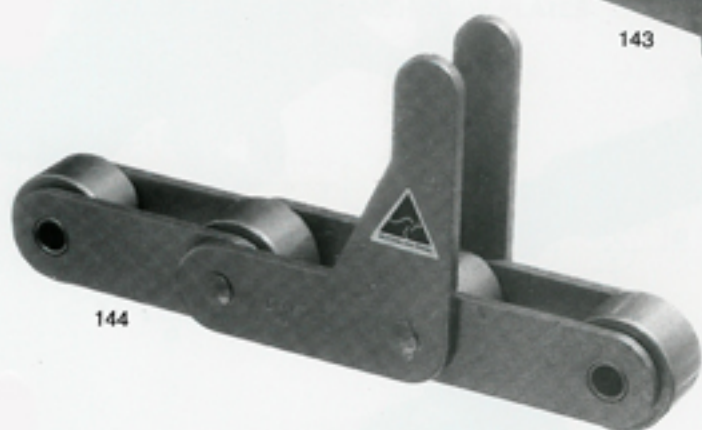
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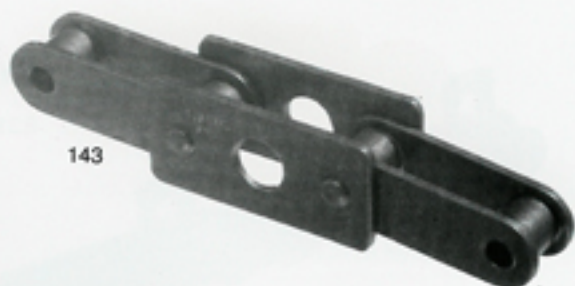
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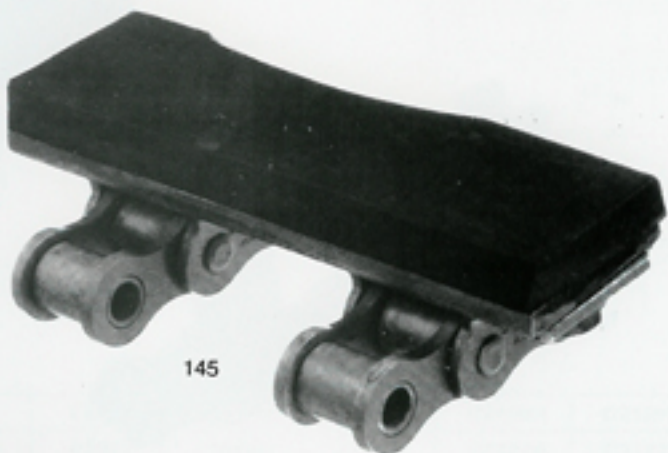
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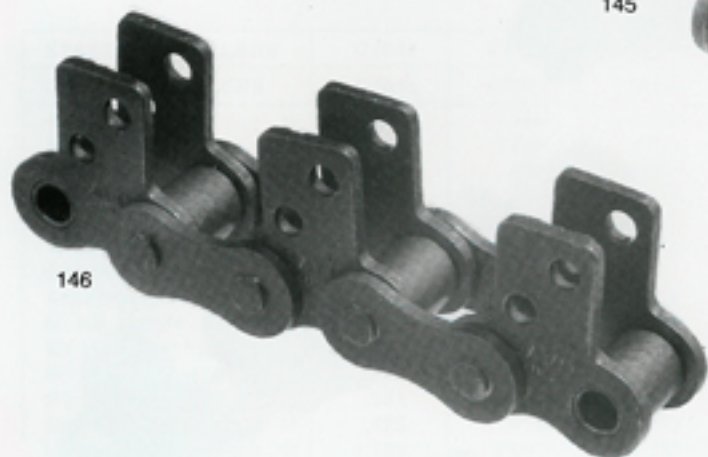
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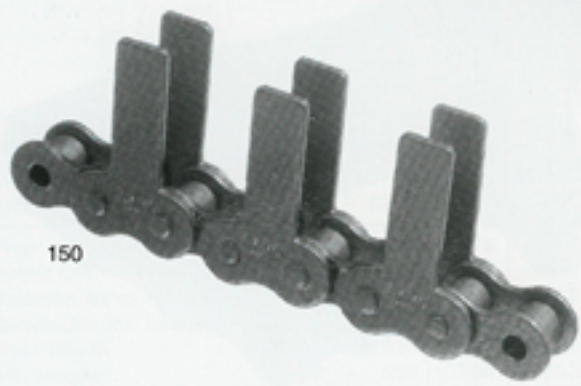
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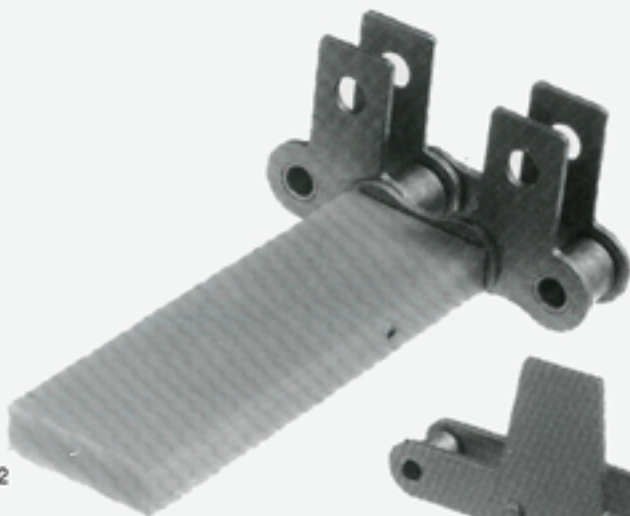


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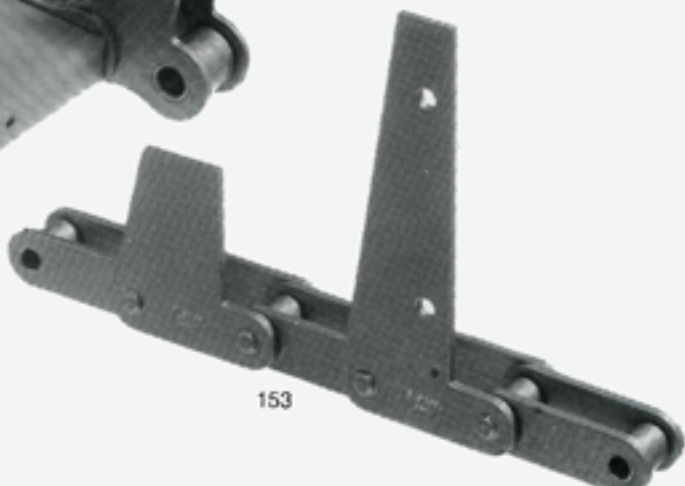


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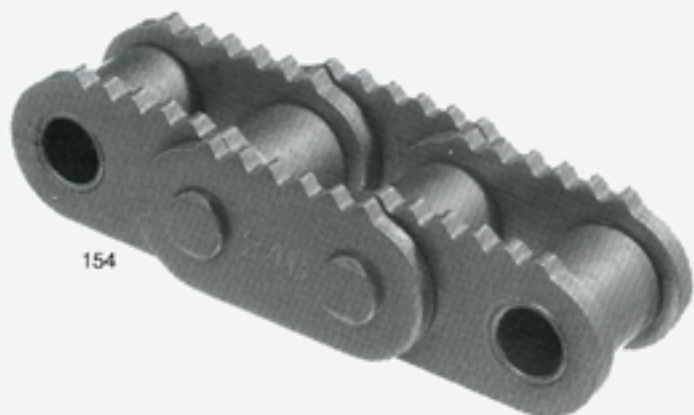
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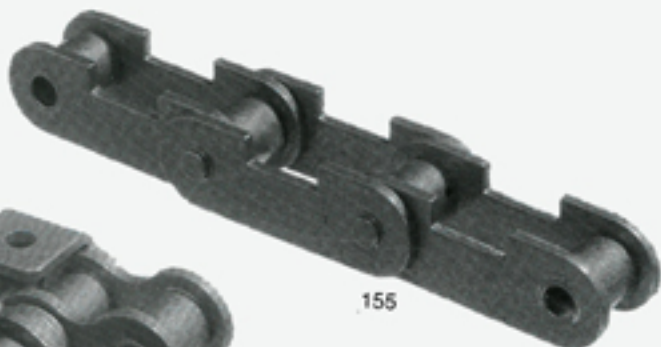
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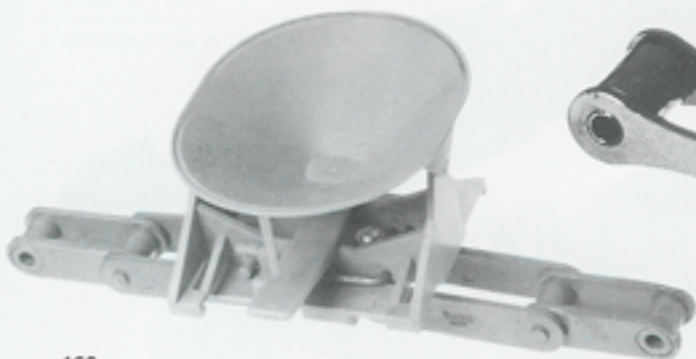
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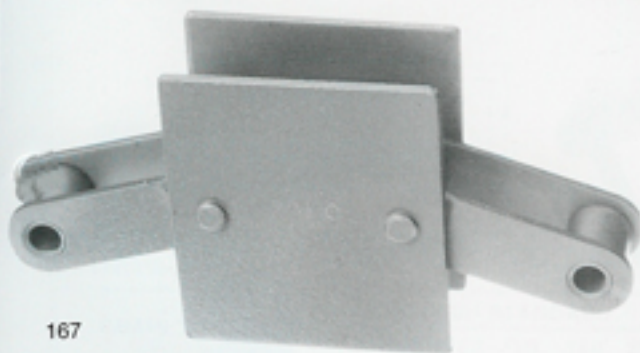
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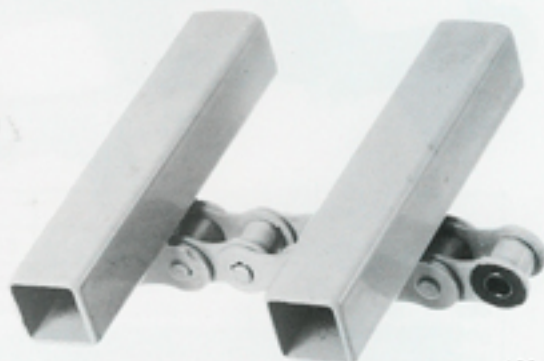
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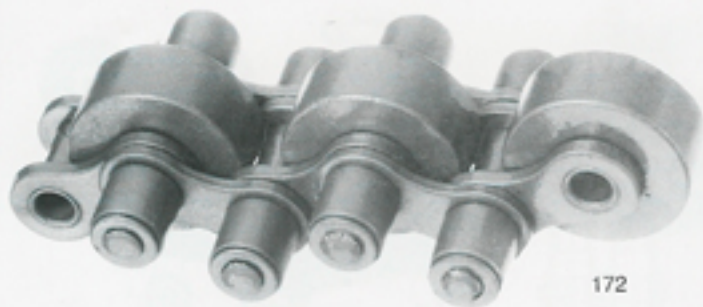


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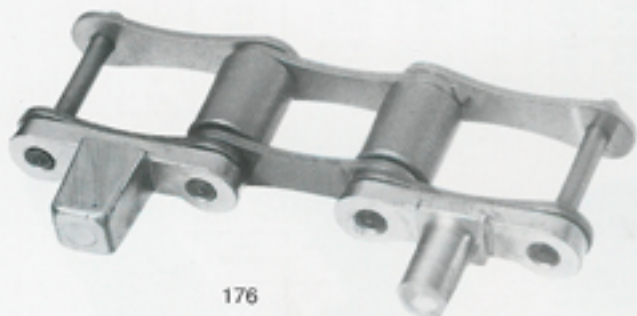
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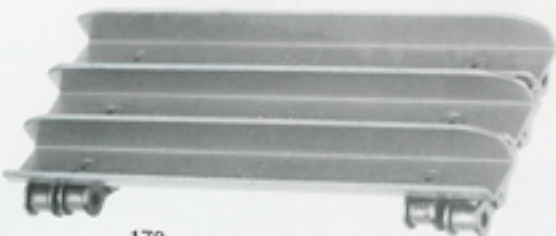
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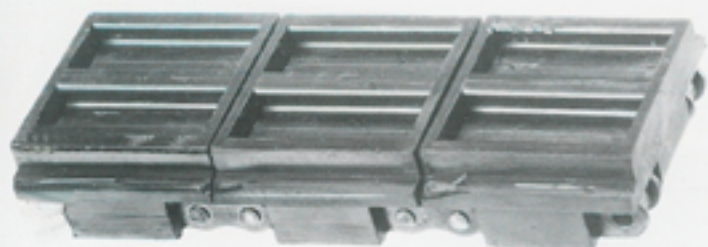
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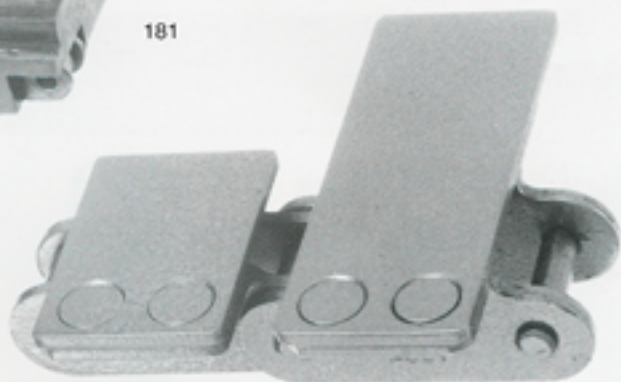
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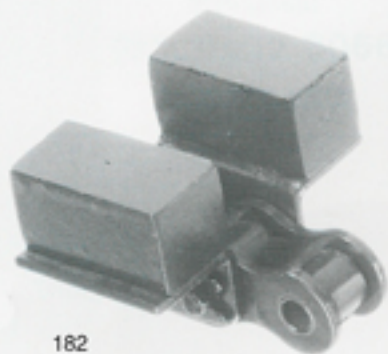
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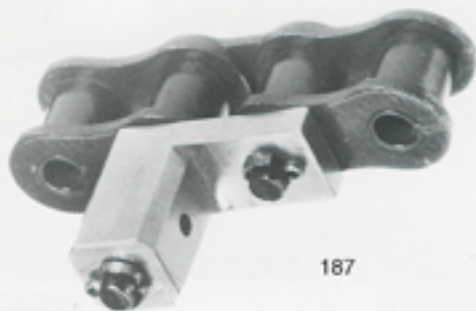
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