

Drives, Incorporated 81X Engineering Class

Conveyor Chain

Made in U.S.A.

Benefits of 81X

- Made of top quality carbon steel.
- Heat treated and tempered for long service.

Case Hardened Pins

- Case hardened for better wear resistance.

No-Stain Lubricant

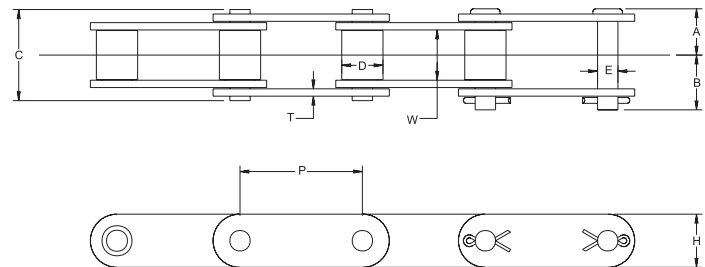
- Protects premium wood products.

Solid Rollers

- Smoother engagement with sprockets.
- Rollers rotate freely reducing pulsation in a system.

Solid Bushings

- Drives, Inc. is listening to our customer preferences.



81X Conveyor Series

2.609" Pitch

Drives, Inc. Pitch	Dimensions in Inches									Approx. Links in 10 Ft.	Weight per Foot	Average Ultimate Strength	Maximum Recommended Working Load
Chain No.	P	C	D	E	H	W	T	A	B	Links	Lb.	Lb.	Lb.
81X	2.609	1.930	0.906	0.437	1.125	1.060	0.155	0.975	1.160	46	2.500	24,000	3,000



Conveyor Chain Products

...to serve the needs of our valued customers

Drives, Incorporated 81XH, 81XHT Engineering Class

Conveyor Chain

Benefits of 81XH, 81XHT

Heavier Sidebars

- More load bearing surface.
- Increased sidebar thickness on the roller link plate allows for welding to the roller link plate.

Thru Hardened Pins

- Greater strength and resistance to failure from shock loading.

Higher Tensile Strength

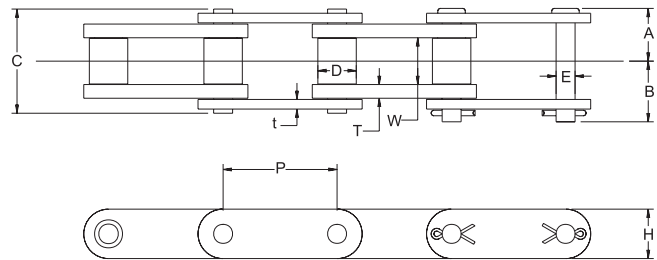
- Thru hardened pins and heavier roller link plates increase the tensile strength.

No-Stain Lubricant

- Protects premium wood products.

Solid Rollers

- Smoother engagement with sprockets.
- Rollers rotate freely reducing pulsation in a system.



81XH, 81XHT

Conveyor Series

2.609" Pitch

Drives, Inc.	Pitch	Dimensions in Inches										Approx. Links in 10 Ft.	Weight per Foot	Average Ultimate Strength	Maximum Recommended Working Load
Chain No.	P	C	D	E	H	W	T	t	A	B	Links	Lb.	Lb.	Lb.	
81XH	2.609	2.365	0.906	0.437	1.332	1.060	0.310	0.220	1.196	1.381	46	4.120	42,000	3,700	
81XHT	2.609	2.365	0.906	0.437	1.125	1.060	0.310	0.220	1.196	1.381	46	3.800	34,000	3,700	

Drives, Incorporated 81XHH Engineering Class

Conveyor Chain

Made in
U.S.A.

Benefits of 81XHH

Heavier Sidebars

- More load bearing surface.
- Increased sidebar thickness on both the pin and roller link plate allows for welding to all the plates.

Thru Hardened Pins

- Greater strength and resistance to failure from shock loading.

Higher Tensile Strength

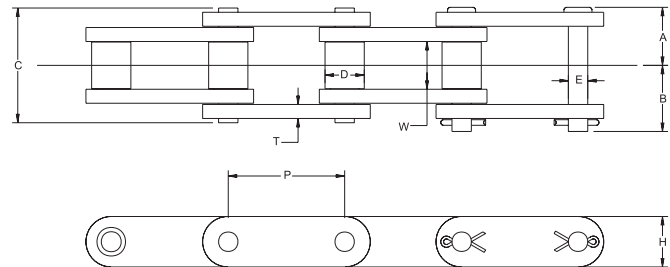
- Thru hardened pins and heavier plates increase the tensile strength.

No-Stain Lubricant

- Protects premium wood products.

Solid Rollers

- Smoother engagement with sprockets.
- Rollers rotate freely reducing pulsation in a system.



81XHH Conveyor Series

2.609" Pitch

Drives, Inc.	Pitch	Dimensions in Inches									Approx. Links in 10 Ft.	Weight per Foot	Average Ultimate Strength	Maximum Recommended Working Load
Chain No.	P	C	D	E	H	W	T	A	B	Links	Lb.	Lb.	Lb.	
81XHH	2.609	2.553	0.906	0.437	1.332	1.060	0.310	1.289	1.474	46	4.600	42,000	3,700	

QUALITY
Performance
Service

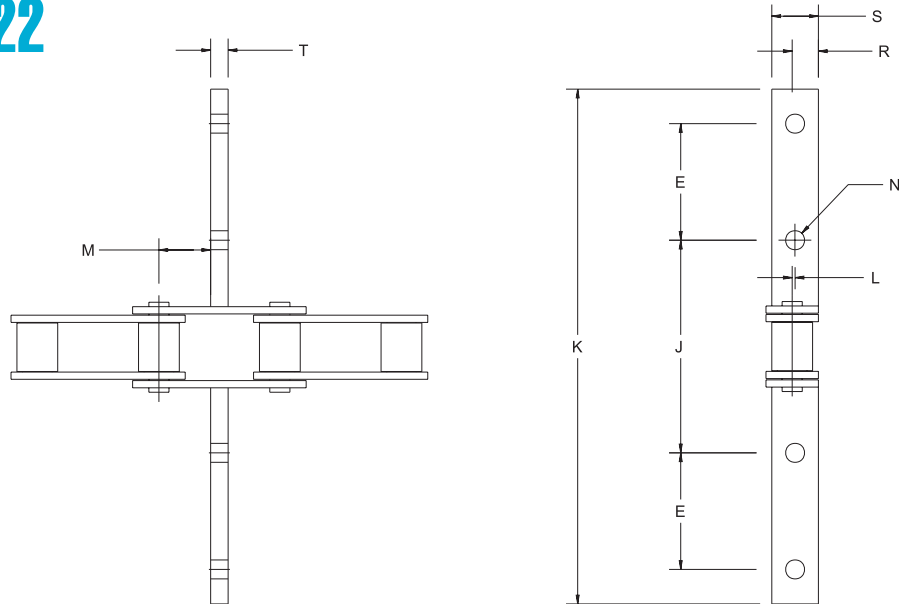
Sales service and
Conveyor Chain Products
assistance await
your call.

1-800-435-0782

Drives, Incorporated 81X Attachments

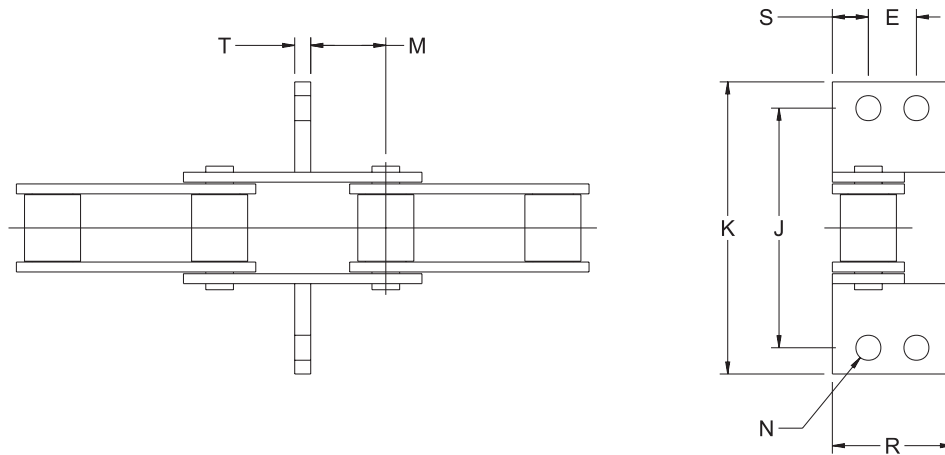
Conveyor Chain

FS7, FG9, SF22



Att. No.	Chain No.	Dimensions								
		J	K	E	N	S	R	L	T	M
FS7	81X	3.000	7.000	1.250	0.406	0.750	0.375	0.188	0.375	1.110
FG9	81X	3.500	7.250	1.250	0.343	1.125	0.563	--	0.250	1.187
SF22	81X	4.560	11.040	2.500	0.406	1.000	0.500	--	0.375	1.110

GT22



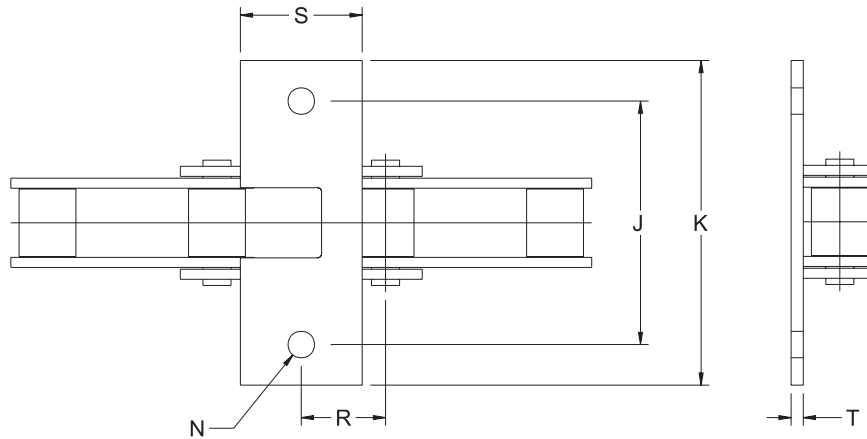
Att. No.	Chain No.	Dimensions							
		J	K	E	N	S	R	T	M
GT22	81X	3.750	4.562	0.750	0.375	0.562	1.875	0.250	1.170

Drives, Incorporated 81X Attachments

Conveyor Chain

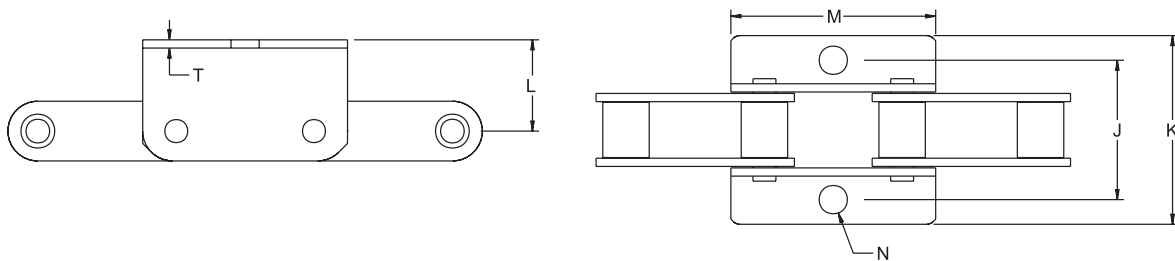
Made in U.S.A.

K1C



Att. No.	Chain No.	Dimensions					
		J	K	N	R	S	T
K1C	81X	3.750	5.000	0.406	1.300	1.875	0.187

K3

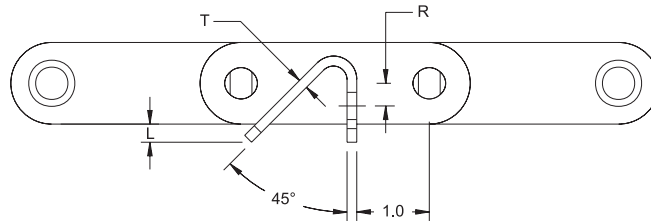
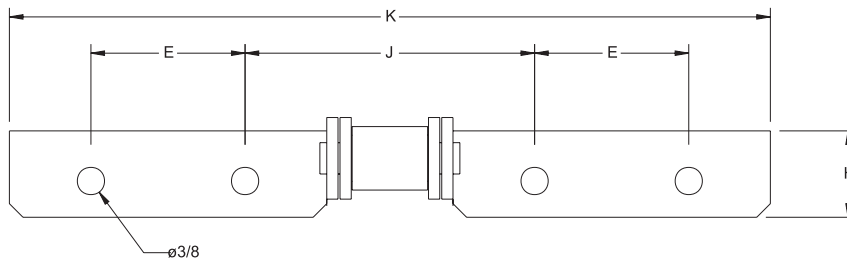


Att. No.	Chain No.	Dimensions					
		J	K	N	L	M	T
K3	81X	2.625	3.500	0.531	1.718	3.860	0.155

Drives, Incorporated 81X Attachments

Conveyor Chain

SF1, SF1M1



Att. No.	Chain No.	Dimensions						
		J	K	E	T	R	H	L
SF1	81X	3.990	10.49	2.125	0.134	0.313	1.191	0.250
SF1M1	81X	3.990	13.49	3.625	0.134	0.188	1.063	--

* Attachment available only on pin link.

SF1, SF1A



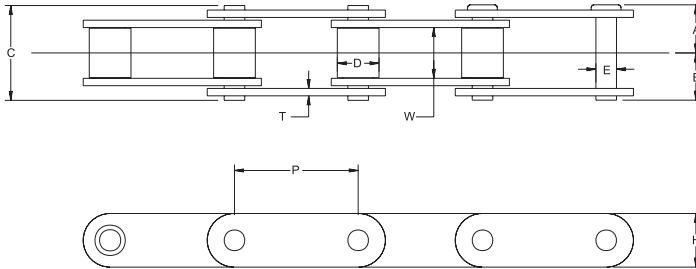
Att. No.	Chain No.	Dimensions						
		J	K	E	T	R	H	L
SF1	81XHH	5.250	14.128	3.000	0.134	0.416	1.191	0.250
SF1A	81X	5.250	14.125	3.000	0.134	0.313	1.191	0.250

* Attachment available only on pin link.

Drives, Incorporated 81X KD Engineering Class

Kiln Chain

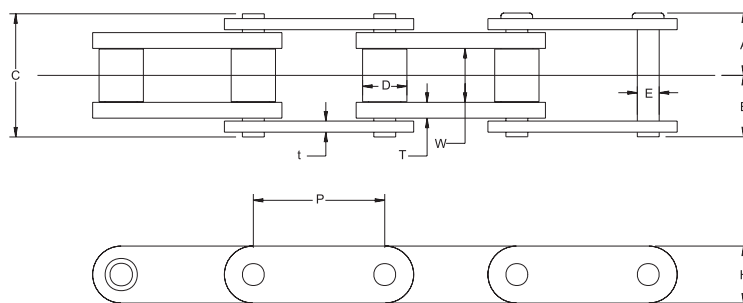
81X KD



2.609" Pitch

Drives, Inc.	Pitch	Dimensions in Inches								Approx. Links in 10 Ft.	Weight per Foot	Average Ultimate Strength	Maximum Recommended Working Load
Chain No.	P	C	D	E	H	W	T	A	B	Links	Lb.	Lb.	Lb.
81X KD*	2.609	1.930	0.906	0.437	1.125	1.060	0.155	0.975	1.160	46	2.500	24,000	2,100

81XH KD



2.609" Pitch

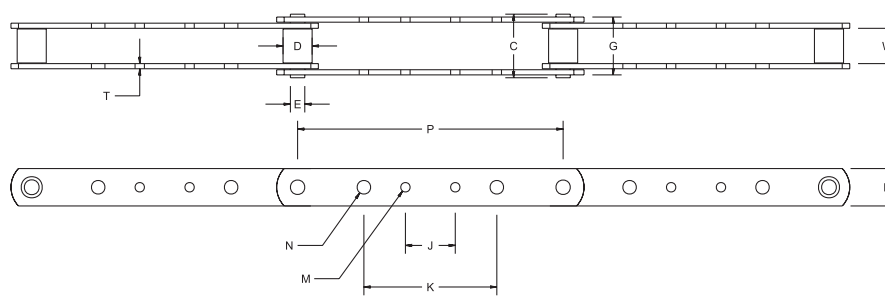
Drives, Inc.	Pitch	Dimensions in Inches									Approx. Links in 10 Ft.	Weight per Foot	Average Ultimate Strength	Maximum Recommended Working Load
Chain No.	P	C	D	E	H	W	T	t	A	B	Links	Lb.	Lb.	Lb.
81XH KD*	2.609	2.553	0.906	0.437	1.332	1.060	0.310	0.220	1.196	1.381	46	4.120	42,000	3,700

* Note: Increased clearance between side bars to prevent stiff joints under elevated temperatures.

Drives, Incorporated 3939/3983 Engineering Class

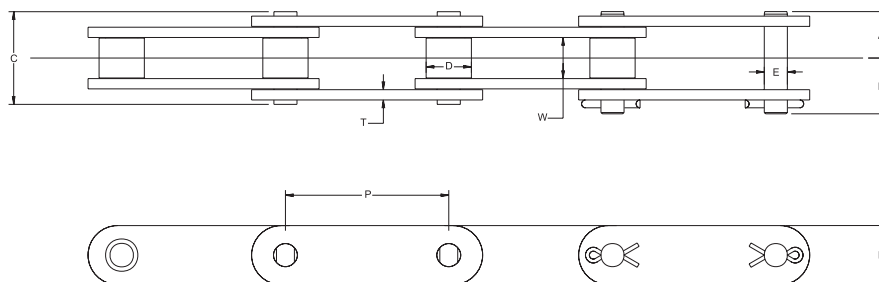
Conveyor Chain

3939 8.000" Pitch



Drives, Inc.	Pitch	Dimensions in Inches											Apprx. Links in 10 Ft.	Weight per Foot	Average Ultimate Strength	Maximum Recommended Working Load
Chain No.	P	C	D	E	G	H	J	K	M	N	W	T	Links	Lb.	Lb.	Lb.
3939-B4	8.000	1.930	0.906	0.432	1.740	1.125	1.500	4.000	0.281	0.281	1.060	0.155	15	1.550	24,000	3,000
3939-B21	8.000	1.930	0.906	0.432	1.740	1.125	1.500	--	0.281	--	1.060	0.155	15	1.550	24,000	3,000
3939-B23	8.000	1.930	0.906	0.432	1.740	1.125	--	3.625	--	0.406	1.060	0.155	15	1.550	24,000	3,000
3939-B24	8.000	1.930	0.906	0.432	1.740	1.125	--	4.000	--	0.281	1.060	0.155	15	1.550	24,000	3,000
3939-B40	8.000	1.930	0.906	0.432	1.740	1.125	--	4.000	--	0.406	1.060	0.155	15	1.550	24,000	3,000
3939-B43	8.000	1.930	0.906	0.432	1.740	1.125	1.500	3.625	0.281	0.406	1.060	0.155	15	1.550	24,000	3,000
3939-B44	8.000	1.930	0.906	0.432	1.740	1.125	1.500	4.000	0.281	0.406	1.060	0.155	15	1.550	24,000	3,000

3983 3.986" Pitch



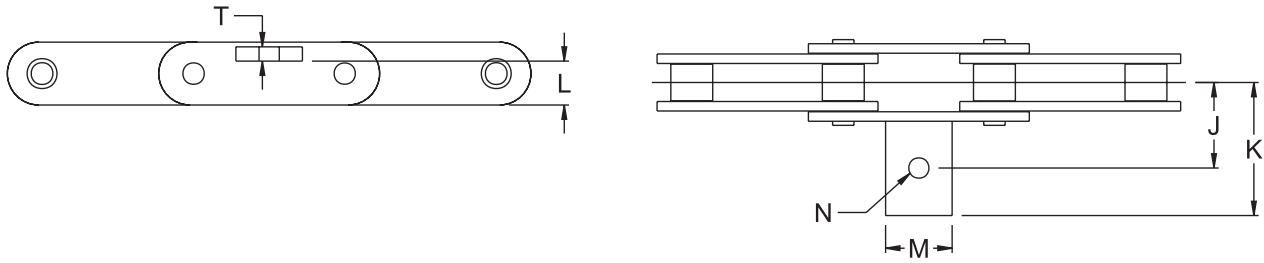
Drives, Inc.	Pitch	Dimensions in Inches							Apprx. Links in 10 Ft.	Weight per Foot	Average Ultimate Strength	Maximum Recommended Working Load
Chain No.	P	D	E	H	W	T	A	B	Links	Lb.	Lb.	Lb.
3983	3.986	1.100	0.562	1.437	1.000	0.250	1.130	1.357	30	4.020	46,000	4,300
3983T	3.986	1.100	0.562	1.654	1.000	0.250	1.130	1.357	30	4.480	46,000	4,300
3983TS	3.986	1.100	0.625	1.654	1.000	0.250	1.130	1.357	30	4.700	62,000	4,700

Drives, Incorporated 3983 Attachments

Conveyor Chain

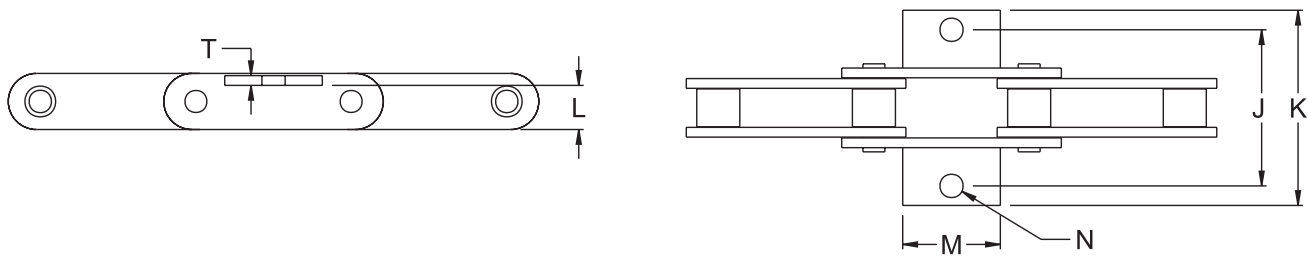
Made in U.S.A.

A11W



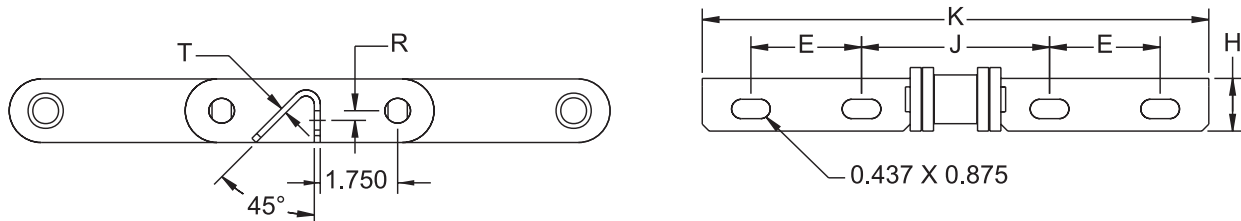
Att. No.	Chain No.	Dimensions					
		J	K	N	M	L	T
A11W	3983T	2.250	3.500	0.531	1.750	1.156	0.375

K1W



Att. No.	Chain No.	Dimensions					
		J	K	N	M	L	T
K1W	3983	4.000	5.000	0.594	2.500	1.125	0.250
	3983T	4.000	5.000	0.594	2.500	1.281	0.250

SF1



Att. No.	Chain No.	Dimensions					
		J	K	E	T	R	H
SF1	3983	4.250	11.450	2.500	0.134	0.218	1.191

Drives, Incorporated Caterpillar Drive Chain

Drive Chain

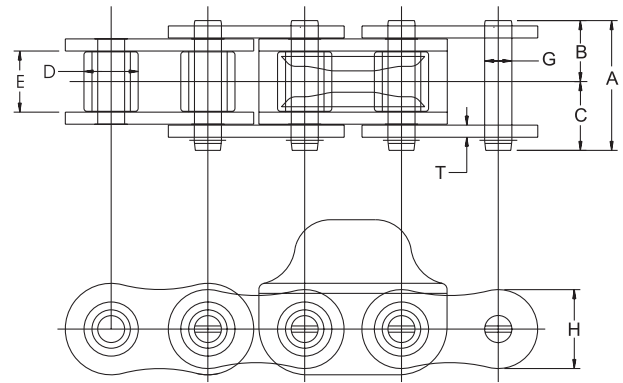
Caterpillar Drive Chains

Caterpillar Drive Chains are essential in driving drop forged chain conveyors. Drives, Inc. USA Caterpillar Drive Chains provide high fatigue life and are designed to perform flawlessly with forged rivetless chains.

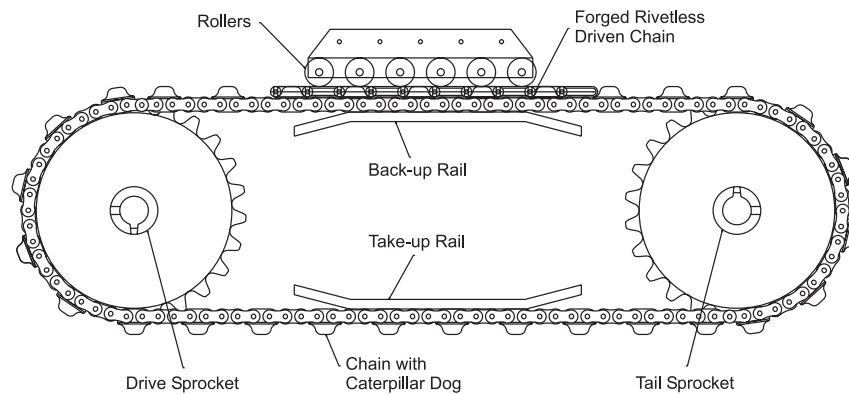
Drives, Inc. USA Caterpillar Drive Chains feature all ballized plates to ensure maximum bearing area for optimum press fits. This improves fatigue life and working loads. We use wide waist link plates with maximized ball heights to improve stress distribution that also increases fatigue strength and reduces vibration.

The use of through hardened pins that are micro ground and shotpeened provides maximum pin to bushing surface contact for extended wear and protection from any unpredictable overload. Hardened hook cotters* are used to resist shearing and hold their place in the most rigorous of applications.

Our one-piece forged drive dog is induction hardened in the chain contact bearing area for wear resistance. The balance of the drive dog is through hardened for strength and durability.



Caterpillar Drive Chain Detail



Drives, Inc.	Pitch	Chain Width				Diameter		Sidebars		Drive Dog Pitch Spacing	Average Ultimate Strength	Approx. Weight
		Overall	Pin Head to CL	Pin End to CL	Inside Width	Roller	Pin	Thickness	Height			
Chain No.	P	A	B	C	E	D	G	T	H		Lbs.	Lb./Ft.
160/348	2.000	2.723	1.269	1.454	1.250	1.125	0.562	0.250	1.899	6	58,000	8.3
160/458	2.000	2.723	1.269	1.454	1.250	1.125	0.562	0.250	1.899	6 or 4	58,000	8.3 or 10.0
160/678	2.000	2.723	1.269	1.454	1.250	1.125	0.562	0.250	1.899	6	58,000	9.8

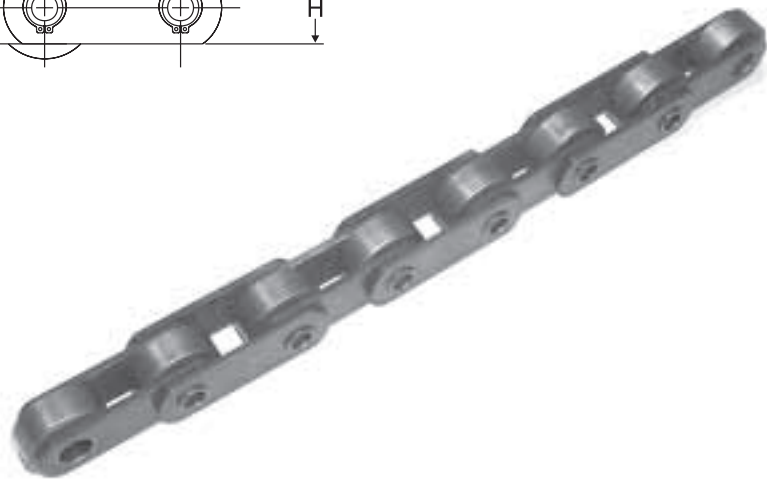
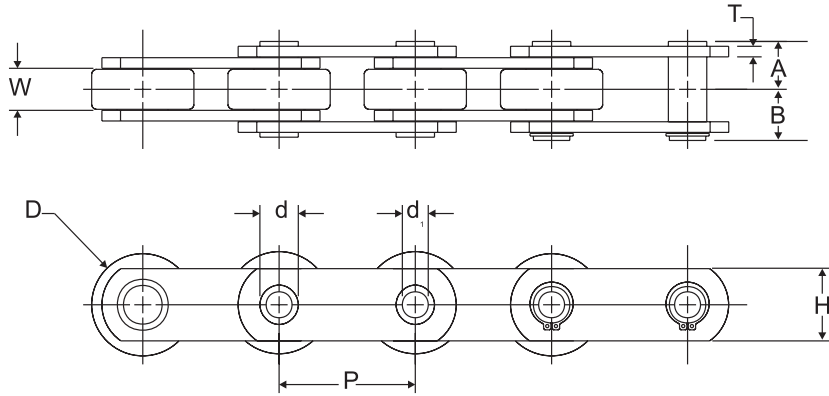
* Note: Dual cotter keys available upon request.

Drives, Incorporated 2" HP Engineering Class

Conveyor Chain

Made in U.S.A.

HP Chain 2.000" Pitch

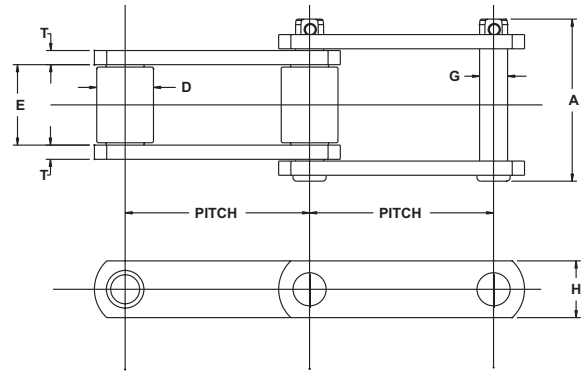


Hollow Pin Chain

Drives, Inc.	Pitch	Width Between Inner L.P.	Bushing Dia.	Roller Dia.	Link Plate		Pin Dia.		Pin		Approx. Weight	Average Tensile Strength	Maximum Recommended Working Load
Chain No.	P	W	B	D	H	T	d	d ₁	A	B	Lb./Ft.	Lbs.	Lbs.
HP200	2.000	0.617	--	1.500	1.060	0.156	0.564	0.382	0.703	0.750	2.500	15,000	2,600

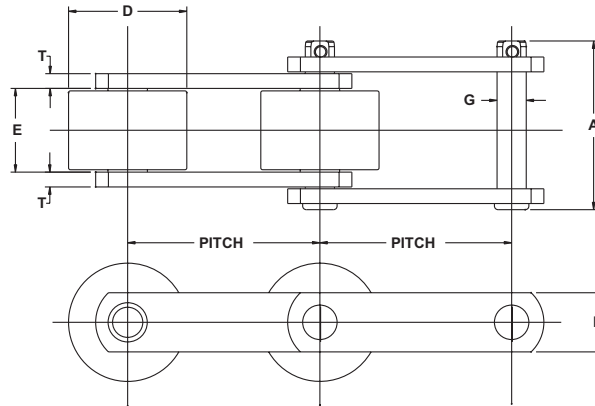
Drives, Incorporated Extended Pitch Roller Conveyor Chain

Standard Roller



Drives, Inc.	Pitch	Inside Width	Pin	Roller	Sidebar	Overall Width	Average Tensile Strength	Maximum Recommended Working Load	Weight per Foot
Chain No.	P	E	G Properties	D Properties	T H Properties	A	Lb.	Lb.	Lb.
C2100H	2.500	0.755	0.375 ACH	0.750 ATH	0.187 1.125 ATH	1.818	24,000	3,900	2.500
C2120H	3.000	1.000	0.437 ACH	0.875 ATH	0.219 1.375 ATH	2.245	34,000	5,400	3.600
C2160H	4.000	1.250	0.562 ACH	1.125 ATH	0.283 1.875 ATH	2.781	58,000	9,200	6.200

Carrier Roller

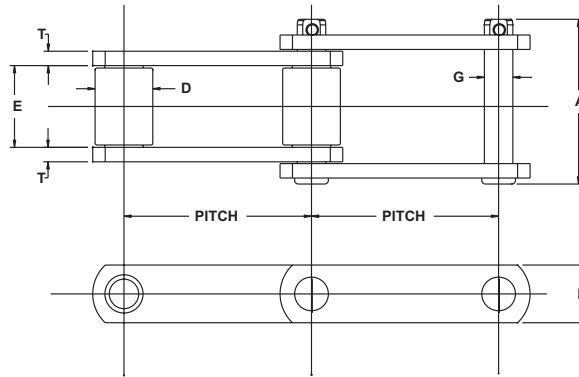


Drives, Inc.	Pitch	Inside Width	Pin	Roller	Sidebar	Overall Width	Average Tensile Strength	Maximum Recommended Working Load	Weight per Foot
Chain No.	P	E	G Properties	D Properties	T H Properties	A	Lb.	Lb.	Lb.
C2102H	2.500	0.755	0.375 ACH	1.562 ATH	0.187 1.125 ATH	1.818	24,000	3,900	4.000
C2122H	3.000	1.000	0.437 ACH	1.750 ATH	0.219 1.375 ATH	2.245	34,000	5,400	5.700
C2162H	4.000	1.250	0.562 ACH	2.250 ATH	0.283 1.875 ATH	2.781	58,000	9,200	8.600

ATH = Alloy Steel thru hardened
ACH = Alloy Steel carburized and case hardened

Drives, Incorporated Roller Conveyor Chain

Standard Roller



Drives, Inc.	Pitch	Inside Width	Pin	Roller	Sidebar	Overall Width	Average Tensile Strength	Maximum Recommended Working Load	Weight per Foot
Chain No.	P	E	G Properties	D Properties	T H Properties	A	Lb.	Lb.	Lb.
3160	3.000	1.250	0.562 CTH	1.125 CTH	0.250 1.500 CTH	2.870	47,000	3,445	4.950
3983	3.986	1.000	0.562 ACH	1.100 CTH	0.250 1.437 CTH	2.487	46,000	4,300	4.020
3983T	3.986	1.000	0.562 ACH	1.100 CTH	0.250 1.654 CTH	2.487	46,000	4,300	4.940
3983TS	3.986	1.000	0.625 ACH	1.100 CTH	0.250 1.654 CTH	2.487	62,000	4,700	4.700
4160H	4.000	1.250	0.562 CTH	1.125 ATH	0.312 1.875 CTH	3.070	58,000	3,650	6.320
3939	8.000	1.060	0.432 ACH	0.906 CTH	0.155 1.125 CTH	1.930	24,000	3,000	1.550
81X	2.609	1.060	0.437 ACH	0.906 CTH	0.155 1.125 CTH	2.135	24,000	3,000	2.500
81XH	2.609	1.060	0.437 ATH	0.906 CTH	0.220 / 0.310 1.332 CTH	2.577	42,000	3,700	4.120
81XHT	2.609	1.060	0.437 CTH	0.906 CTH	0.220 1.125 CTH	2.245	34,000	3,700	3.800
81XHH	2.609	1.060	0.437 ATH	0.906 CTH	0.310 1.332 CTH	2.763	42,000	3,700	4.600

CTH = Carbon Steel thru hardened

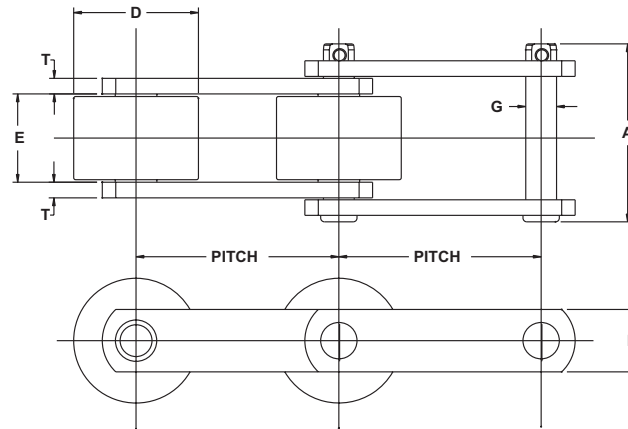
ATH = Alloy Steel thru hardened

ACH = Alloy Steel carburized and case hardened



Drives, Incorporated Roller Conveyor Chain

Carrier Roller



Drives, Inc.	Pitch	Inside Width	Pin	Roller	Sidebar	Overall Width	Average Tensile Strength	Maximum Recommended Working Load	Weight per Foot
Chain No.	P	E	G Properties	D Properties	T H Properties	A	Lb.	Lb.	Lb.
3162	3.000	1.250	0.562 CTH	2.250 ATH	0.250 1.500 CTH	2.870	47,000	3,445	7.420
53R	3.000	1.000	0.437 CTH	1.500 CTH	0.187 1.125 HC	2.280	13,000	2,100	3.900
95R	4.000	1.000	0.437 CTH	1.500 CTH	0.187 1.125 HC	2.280	13,000	2,100	3.400
94R	4.000	0.875	0.500 CTH	1.500 CTH	0.250 1.250 HC	2.410	19,000	2,400	4.100
90R	4.000	1.187	0.437 CTH	2.000 CTH	0.187 1.250 HC	2.440	16,500	2,400	5.300
89R	4.000	1.312	0.625 CTH	2.250 CTH	0.375 1.500 HC	3.470	28,000	4,500	10.600
196R	6.000	1.125	0.437 CTH	2.000 CTH	0.250 1.250 HC	2.650	18,000	2,500	5.00
604R	6.000	1.310	0.562 CTH	2.000 CTH	0.250 1.500 HC	2.910	21,000	3,500	5.400
607R	6.000	1.310	0.562 CTH	2.500 CTH	0.250 1.500 HC	2.910	21,000	3,500	6.500
627R	6.000	1.310	0.625 CTH	2.000 CTH	0.312 1.500 HC	3.220	26,000	4,250	6.600
1617 (CC5)	6.000	1.380	0.687 CTH	2.500 ATH	0.312 2.500 HC	3.280	43,000	4,800	11.000
D900	9.000	1.300	0.565 ACH	3.000 Hytrel	0.250 1.500 CTH	2.680	*	*	*
D1200	12.000	1.040	0.565 ACH	2.000 Hytrel	0.250 1.500 CTH	2.430	*	*	*
D1290	12.000	1.300	0.565 ACH	3.000 Hytrel	0.250 1.500 CTH	2.680	*	*	*

CTH = Carbon Steel thru hardened

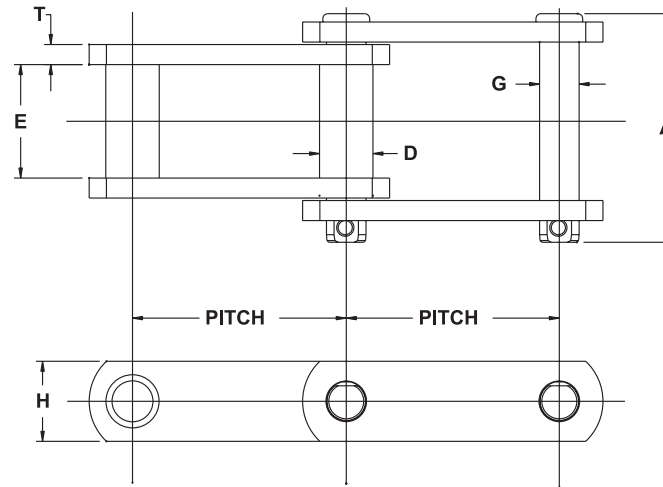
HC = Carbon Steel not heat treated

ATH = Alloy Steel thru hardened

ACH = Alloy Steel carburized and case hardened

Drives, Incorporated Steel Bushed Conveyor Chain

Steel Bushed Chain



Drives, Inc.	Pitch	Inside Width	Pin	Bushing Diam.	Roller	Sidebar	Overall Width	Average Tensile Strength	Maximum Recommended Working Load	Weight per Foot
Chain No.	P	E	G Properties	D	Properties	T H Properties	A	Lb.	Lb.	Lb.
188	2.609	1.062	0.500 CTH	0.880	ACH	0.250 1.125 CTH	2.690	25,000	2,750	3.600
131	3.075	1.310	0.625 CTH	1.250	ACH	0.375 1.500 CTH	3.530	40,000	4,500	7.500
102B	4.000	2.130	0.625 ACH	1.000	ACH	0.375 1.500 CTH	4.310	40,000	6,300	6.900
111	4.760	2.625	0.750 CTH	1.440	ACH	0.375 2.000 CTH	4.750	50,000	8,850	10.200
110	6.000	2.130	0.625 CTH	1.250	ACH	0.375 1.500 CTH	5.060	40,000	6,300	6.300

CTH = Carbon Steel thru hardened

ACH = Alloy Steel carburized and case hardened

