



A N I C I I
STANDARD
A I V S I I
R O L L E R C H A I N

ANSI STANDARD ROLLER CHAIN

ROLLER CHAIN COMPONENTS

Pin Link

The pin link is considered an outer link. It is constructed with two pin link plates and two pins. The pin link can be riveted or cotter assembly style.

Pin

Pins are the primary load bearing component of chain. They are subject to shearing and bending forces transferred from the plates. Pins are designed to have high strength, toughness, and resistance to wear and shock.

Roller Link

The roller link is an inside link constructed with two roller link plates, two bushings, and two rollers.

Bushing

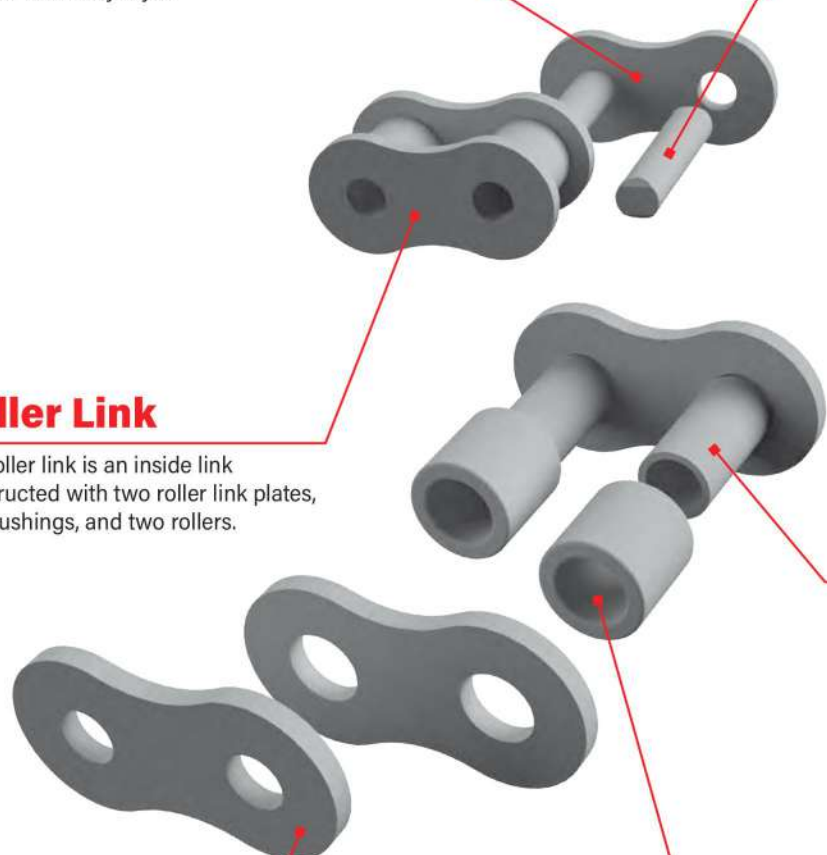
The bushing is a load-bearing component similar to the pins. In addition to high strength and toughness, they also must also have high-wear resistance to accommodate the articulation of pins and rollers.

Link Plate

Link plates, both roller and pin link, are the primary tension linkage component. They must have excellent tensile and fatigue strength must be able to accommodate heavy shock loads and overcome necessary environmental resistances, such as corrosion and abrasion.

Roller

Rollers assist to smoothly articulate the chain as it engages with a sprocket. The roller must have high resistance to impact, wear, and fatigue.



ANSI STANDARD ROLLER CHAIN

CHAIN ASSEMBLY

PRINCE Chain Manufactures both Riveted and Cottered assembly style chains. Riveted chains feature pin link plates punched with an interference fit hole accepting pins that extend thru and are riveted on either side of the link plate. Cottered assembly style chains have the same riveted pin on one side of the chain and extended pins with holes drilled to accept cotter pins on the other.

RIVETED



COTTERED



ROLLER LINK

A roller link is an inside link consisting of two roller link plates, two bushings, and two rollers.



CONNECTING LINK

A connecting link is an outside link consisting of a pin link plate, two assembled pins, and a detachable pin link plate. There are two types of connecting links:

Spring Clip Type

The detachable pin link plate is retained by a spring clip which engages grooves cut in the ends of the pins.



Cotter Pin Type

The detachable pin link plate is retained by two cotters.



OFFSET LINK

An offset link is a link consisting of two offset link plates, a bushing, a roller, a removable pin, and a cotter. The two-pitch offset link consists of a roller link and an offset link, which are connected by a riveted press-fit pin.

One-pitch offset link



Two-pitch offset link

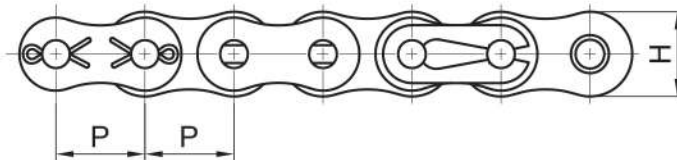
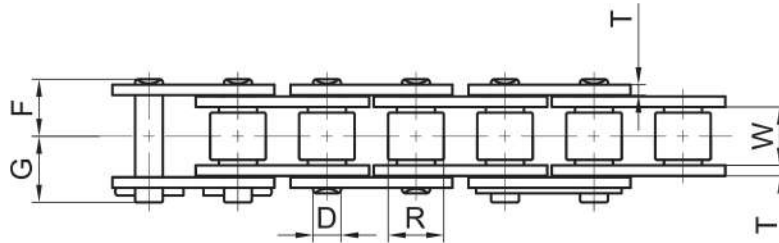


ANSI STANDARD ROLLER CHAIN

SINGLE STRAND



1. PRINCE Chain precision roller chains are manufactured to **exceed ANSI** requirements.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G			
		W	R	H	T						
25	0.250	0.125	0.130	0.228	0.030	0.091	0.154	0.185	1,036	165	0.087
35	0.375	0.188	0.200	0.356	0.050	0.142	0.232	0.303	2,469	485	0.215
41	0.500	0.250	0.306	0.390	0.050	0.142	0.263	0.334	2,866	529	0.276
40	0.500	0.312	0.312	0.475	0.060	0.157	0.324	0.406	4,188	816	0.417
50	0.625	0.375	0.400	0.594	0.080	0.200	0.400	0.488	6,834	1,400	0.679
60	0.750	0.500	0.469	0.712	0.094	0.235	0.501	0.601	9,259	2,094	0.974
80	1.000	0.625	0.625	0.950	0.125	0.313	0.650	0.803	17,636	3,307	1.714
100	1.250	0.750	0.750	1.187	0.156	0.376	0.781	0.950	25,353	5,071	2.654
120	1.500	1.000	0.875	1.425	0.187	0.437	1.005	1.174	34,392	6,834	3.790
140	1.750	1.000	1.000	1.662	0.219	0.500	1.074	1.267	46,297	9,039	4.959
160	2.000	1.250	1.125	1.900	0.250	0.563	1.290	1.459	57,761	11,905	6.317
180	2.250	1.406	1.406	2.137	0.281	0.687	1.443	1.659	84,217	13,669	8.514
200	2.500	1.500	1.562	2.375	0.312	0.781	1.589	1.825	109,129	16,094	10.684
240	3.000	1.875	1.875	2.850	0.375	0.937	1.943	2.179	154,324	29,762	16.396

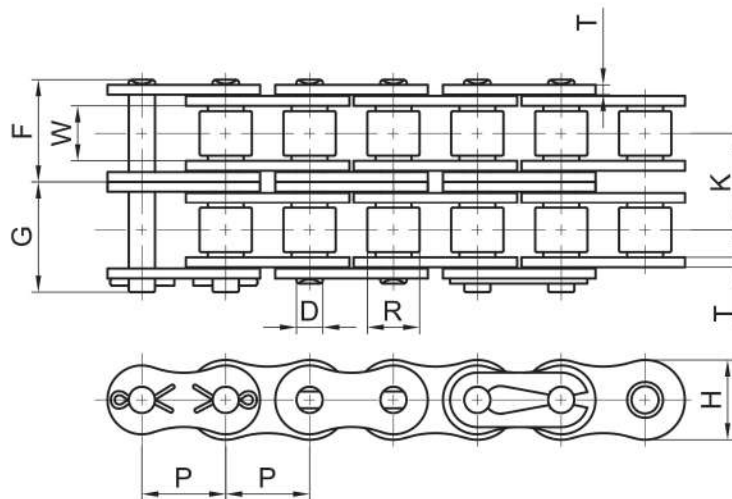
ANSI Standard

ANSI STANDARD ROLLER CHAIN

DOUBLE STRAND



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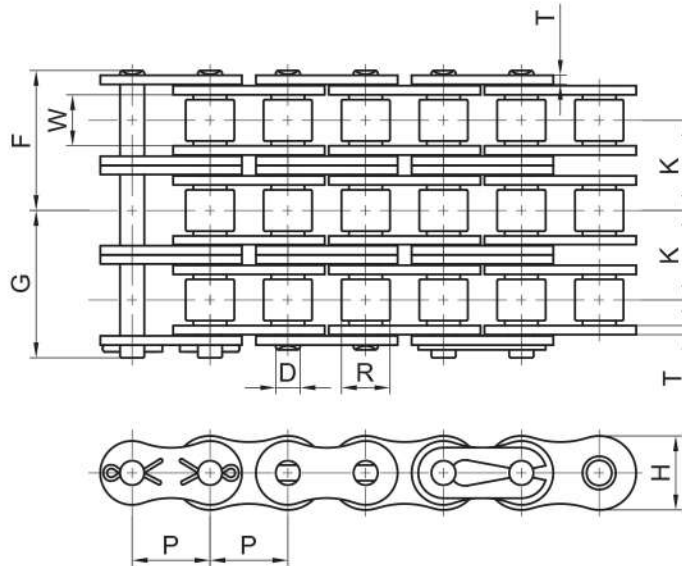
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G				
25-2	0.250	0.125	0.130	0.228	0.030	0.091	0.280	0.311	0.252	2,072	287	0.168
35-2	0.375	0.188	0.200	0.356	0.050	0.142	0.441	0.496	0.399	4,938	827	0.423
40-2	0.500	0.312	0.312	0.475	0.060	0.157	0.608	0.690	0.566	8,378	1,389	0.820
50-2	0.625	0.375	0.400	0.594	0.080	0.200	0.755	0.850	0.713	13,669	2,381	1.344
60-2	0.750	0.500	0.469	0.712	0.094	0.235	0.949	1.055	0.897	18,518	3,571	1.929
80-2	1.000	0.625	0.625	0.950	0.125	0.313	1.224	1.386	1.153	35,273	5,622	3.393
100-2	1.250	0.750	0.750	1.187	0.156	0.376	1.502	1.655	1.408	50,706	8,620	5.282
120-2	1.500	1.000	0.875	1.425	0.187	0.437	1.895	2.060	1.789	68,784	11,618	7.526
140-2	1.750	1.000	1.000	1.662	0.219	0.500	2.030	2.243	1.924	92,594	15,432	9.851
160-2	2.000	1.250	1.125	1.900	0.250	0.563	2.457	2.567	2.305	115,522	20,283	12.526
180-2	2.250	1.406	1.406	2.137	0.281	0.687	2.739	2.955	2.592	168,433	23,149	16.893
200-2	2.500	1.500	1.562	2.375	0.312	0.781	2.998	3.234	2.817	218,258	27,337	21.234
240-2	3.000	1.875	1.875	2.850	0.375	0.937	3.673	3.906	3.458	308,647	50,706	32.523

ANSI STANDARD ROLLER CHAIN

TRIPLE STRAND



1. Our PRINCE Chain precision roller chains are manufactured to **exceed ANSI** requirements.
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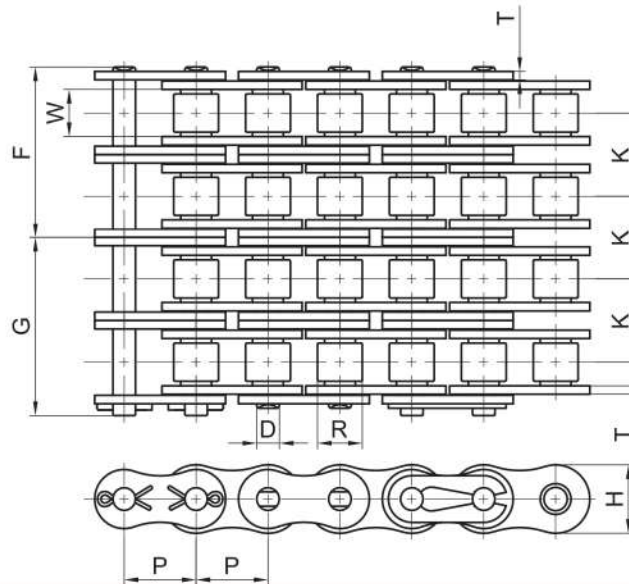
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G				
25-3	0.250	0.125	0.130	0.228	0.030	0.091	0.415	0.446	0.252	3,109	408	0.249
35-3	0.375	0.188	0.200	0.356	0.050	0.142	0.633	0.704	0.399	7,408	1,213	0.631
40-3	0.500	0.312	0.312	0.475	0.060	0.157	0.890	0.975	0.566	12,566	2,039	1.223
50-3	0.625	0.375	0.400	0.594	0.080	0.200	1.113	1.222	0.713	20,503	3,505	2.002
60-3	0.750	0.500	0.469	0.712	0.094	0.235	1.400	1.506	0.897	27,778	5,247	2.876
80-3	1.000	0.625	0.625	0.950	0.125	0.313	1.799	1.965	1.153	52,911	8,267	5.067
100-3	1.250	0.750	0.750	1.187	0.156	0.376	2.224	2.338	1.408	76,059	12,677	7.896
120-3	1.500	1.000	0.875	1.425	0.187	0.437	2.773	2.974	1.789	103,176	17,086	11.242
140-3	1.750	1.000	1.000	1.662	0.219	0.500	2.997	3.194	1.924	138,891	22,597	14.736
160-3	2.000	1.250	1.125	1.900	0.250	0.563	3.613	3.691	2.305	173,283	29,762	18.741
180-3	2.250	1.406	1.406	2.137	0.281	0.687	4.035	4.251	2.592	252,650	34,172	25.266
200-3	2.500	1.500	1.562	2.375	0.312	0.781	4.406	4.642	2.817	327,386	40,234	31.784
240-3	3.000	1.875	1.875	2.850	0.375	0.937	5.402	5.638	3.458	462,971	74,516	48.651

ANSI Standard

ANSI STANDARD ROLLER CHAIN



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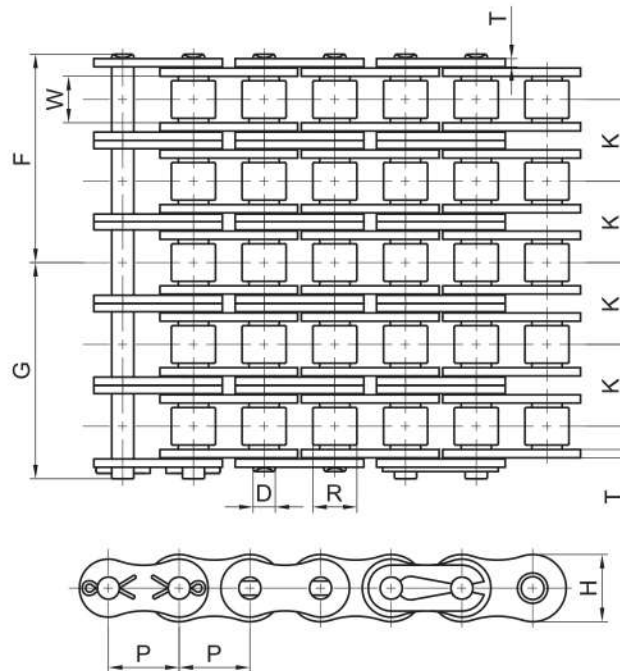
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G				
35-4	0.375	0.188	0.200	0.356	0.050	0.142	0.830	0.905	0.399	9,877	1,598	0.840
40-4	0.500	0.312	0.312	0.475	0.060	0.157	1.165	1.268	0.566	17,196	2,690	1.633
50-4	0.625	0.375	0.400	0.594	0.080	0.200	1.483	1.566	0.713	28,440	4,630	2.674
60-4	0.750	0.500	0.469	0.712	0.094	0.235	1.848	1.955	0.897	37,920	6,923	3.830
80-4	1.000	0.625	0.625	0.950	0.125	0.313	2.392	2.526	1.153	70,548	10,913	6.760
100-4	1.250	0.750	0.750	1.187	0.156	0.376	2.909	3.063	1.408	117,506	16,733	10.516
120-4	1.500	1.000	0.875	1.425	0.187	0.437	3.682	3.832	1.789	155,426	22,553	14.971
140-4	1.750	1.000	1.000	1.662	0.219	0.500	3.959	4.152	1.924	213,407	29,762	19.648
160-4	2.000	1.250	1.125	1.900	0.250	0.563	4.746	4.920	2.305	267,200	39,242	25.004
180-4	2.250	1.406	1.406	2.137	0.281	0.687	5.331	5.547	2.592	336,866	45,195	33.639
200-4	2.500	1.500	1.562	2.375	0.312	0.781	5.814	6.050	2.817	436,515	45,195	42.200
240-4	3.000	1.875	1.875	2.850	0.375	0.937	7.130	7.366	3.458	617,294	98,326	64.643

ANSI STANDARD ROLLER CHAIN

5 STRANDS



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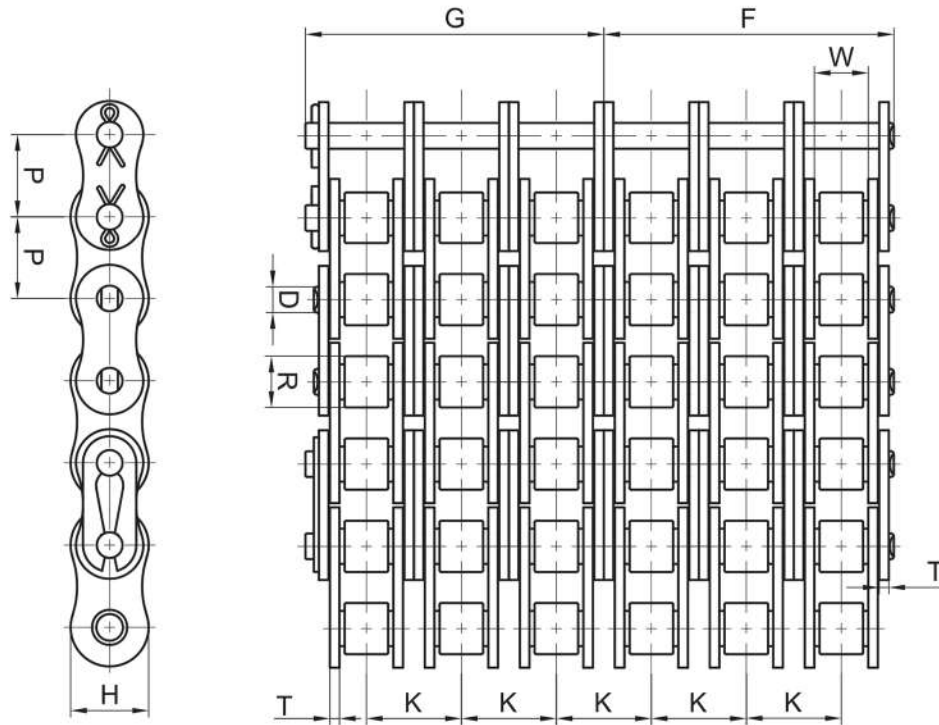
Chain	Pitch	Roller		Plate		Pin Dia.	Overall Width		Transverse Pitch	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G				
	P	W	R	H	T	D	F	G	K			
35-5	0.375	0.188	0.200	0.356	0.050	0.142	1.033	1.105	0.399	12,346	1,896	1.408
40-5	0.500	0.312	0.312	0.475	0.060	0.157	1.449	1.552	0.566	21,560	3,186	2.120
50-5	0.625	0.375	0.400	0.594	0.080	0.200	1.840	1.923	0.713	35,494	5,467	3.420
60-5	0.750	0.500	0.469	0.712	0.094	0.235	2.284	2.411	0.897	47,399	8,157	4.970
80-5	1.000	0.625	0.625	0.950	0.125	0.313	2.957	3.122	1.153	88,185	12,897	8.480
100-5	1.250	0.750	0.750	1.187	0.156	0.376	3.610	3.751	1.408	146,828	19,775	13.960
120-5	1.500	1.000	0.875	1.425	0.187	0.437	4.574	4.763	1.789	194,448	26,654	19.870
140-5	1.750	1.000	1.000	1.662	0.219	0.500	4.922	5.146	1.924	266,759	35,274	26.090
160-5	2.000	1.250	1.125	1.900	0.250	0.563	5.190	6.781	2.305	334,000	46,297	33.190
240-5	3.000	1.875	1.875	2.850	0.375	0.937	8.858	9.094	3.458	771,618	116,184	85.700

ANSI STANDARD ROLLER CHAIN



6 STRANDS

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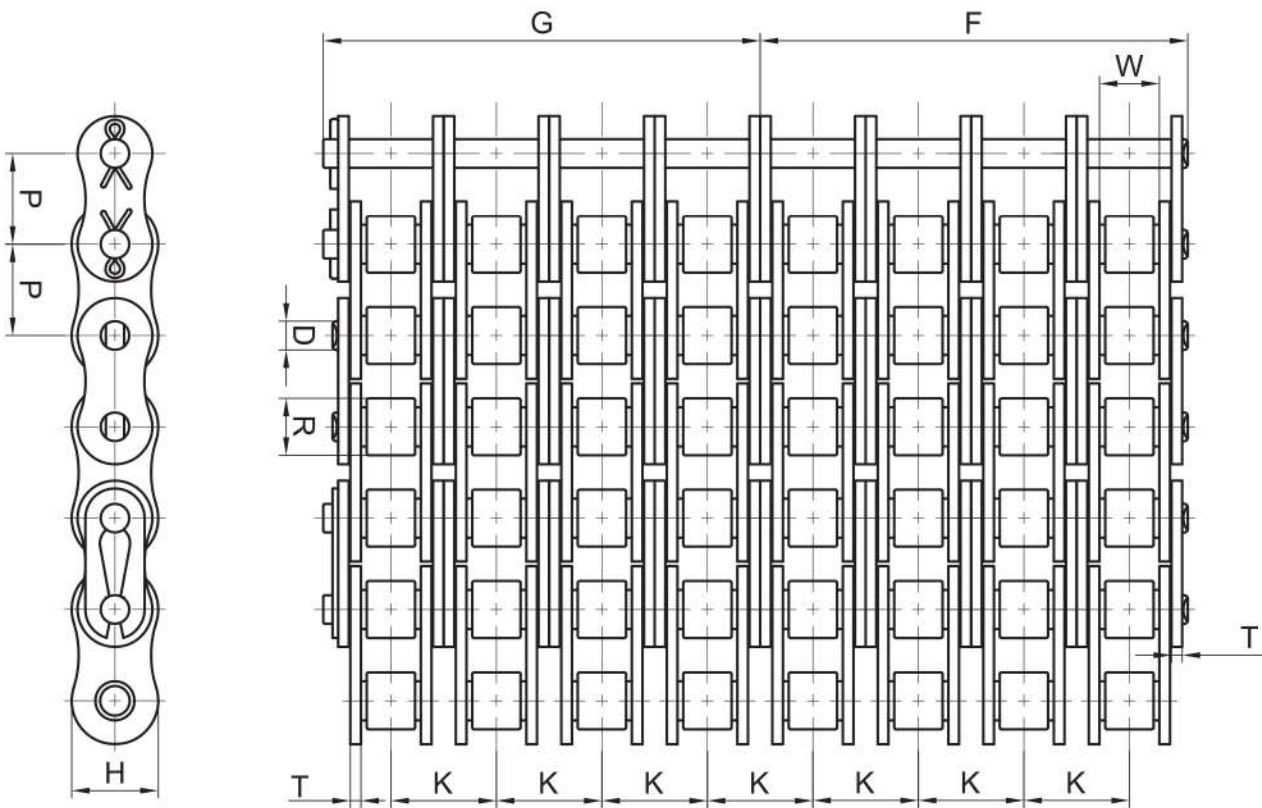
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G				
40-6	0.500	0.312	0.312	0.475	0.060	0.157	1.738	1.833	0.566	25,794	3,748	2.610
50-6	0.625	0.375	0.400	0.594	0.080	0.200	2.187	2.272	0.713	42,770	6,424	4.310
60-6	0.750	0.500	0.469	0.712	0.094	0.235	2.746	2.846	0.897	56,879	9,634	6.090
80-6	1.000	0.625	0.625	0.950	0.125	0.313	3.534	3.666	1.153	105,822	15,212	10.850
100-6	1.250	0.750	0.750	1.187	0.156	0.376	4.314	4.444	1.408	176,370	23,325	16.750
120-6	1.500	1.000	0.875	1.425	0.187	0.437	5.468	5.633	1.789	233,249	31,438	23.910
140-6	1.750	1.000	1.000	1.662	0.219	0.500	5.883	6.077	1.924	320,111	41,667	31.290
160-6	2.000	1.250	1.125	1.900	0.250	0.563	6.343	9.084	2.305	400,800	54,560	39.790
240-6	3.000	1.875	1.875	2.850	0.375	0.937	10.587	11.039	3.458	925,942	136,907	100.490

ANSI STANDARD ROLLER CHAIN

8 STRANDS



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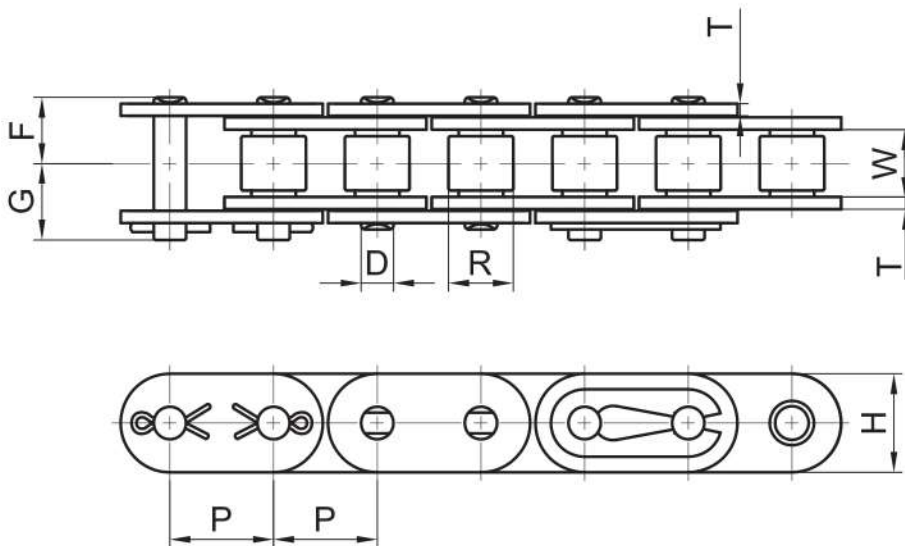
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G				
50-8	0.625	0.375	0.400	0.594	0.080	0.200	2.895	2.989	0.713	56,879	8,113	5.610
60-8	0.750	0.500	0.469	0.712	0.094	0.235	3.642	3.744	0.897	75,839	12,147	8.020
120-8	1.500	1.000	0.875	1.425	0.187	0.437	7.257	7.415	1.789	310,852	39,639	27.290

ANSI STANDARD C TYPE ROLLER CHAIN

SINGLE STRAND



1. Constructed with **straight side plates** rather than peanut-shaped for slightly increased fatigue strength.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
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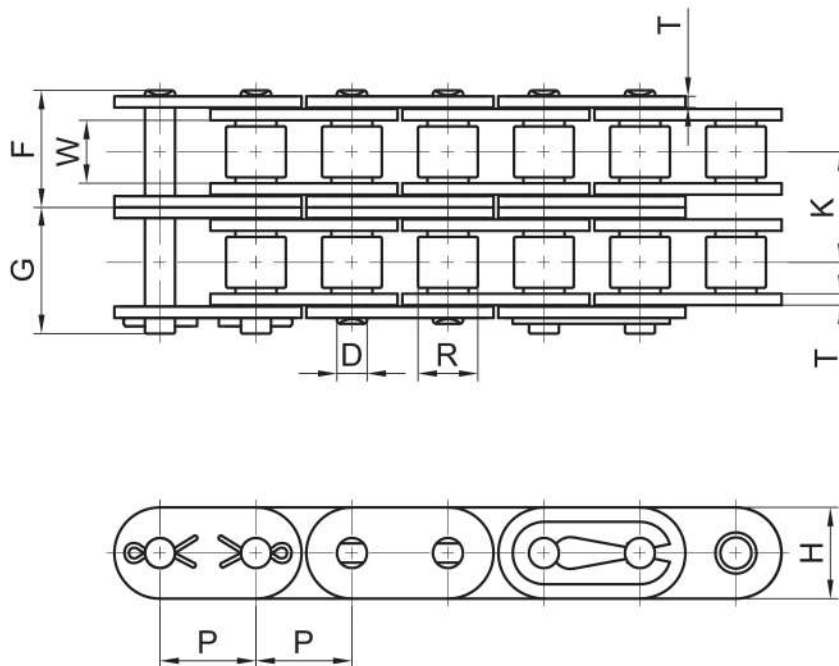
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G			
		W	R	H	T						
C25	0.250	0.125	0.130	0.228	0.030	0.091	0.154	0.185	1,014	150	0.081
C40	0.500	0.312	0.312	0.463	0.060	0.157	0.324	0.406	4,189	620	0.464
C50	0.625	0.375	0.400	0.580	0.080	0.200	0.400	0.488	6,834	1,020	0.726
C60	0.750	0.500	0.469	0.685	0.094	0.235	0.501	0.601	9,259	1,400	1.042
C80	1.000	0.625	0.625	0.950	0.125	0.313	0.650	0.803	17,637	2,700	1.949
C100	1.250	0.750	0.750	1.187	0.156	0.376	0.781	0.950	25,353	4,000	3.037
C120	1.500	1.000	0.875	1.425	0.187	0.437	1.005	1.174	34,392	5,500	4.045
C140	1.750	1.000	1.000	1.662	0.219	0.500	1.074	1.267	46,297	7,100	5.873
C160	2.000	1.250	1.125	1.900	0.250	0.563	1.290	1.459	57,982	9,100	7.277

ANSI STANDARD C TYPE ROLLER CHAIN

DOUBLE STRAND



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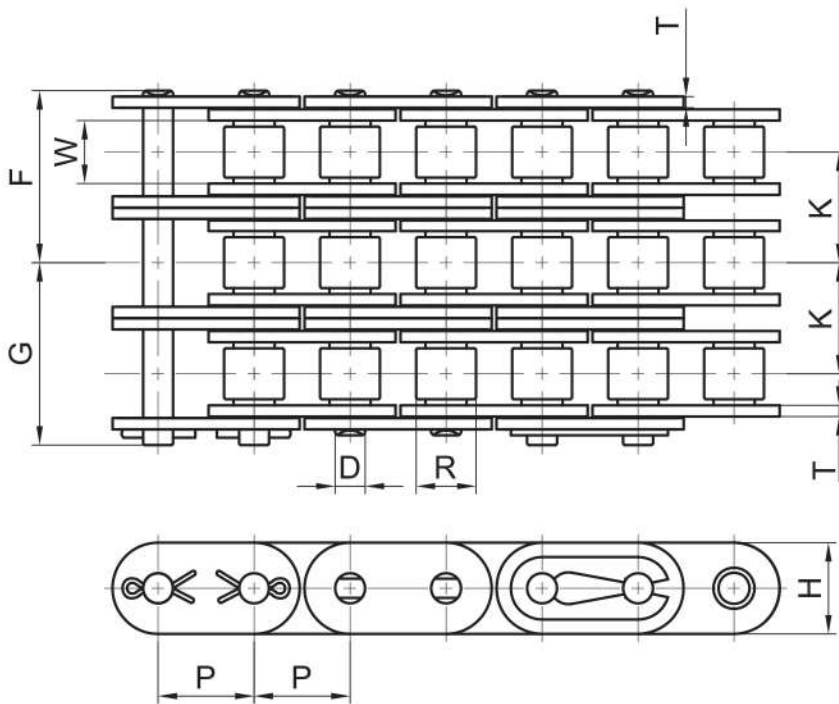
Chain	Pitch	Roller		Plate		Pin Dia.	Overall Width		Transverse Pitch	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G				
	P	W	R	H	T	D	F	G	K			
C40-2	0.500	0.312	0.312	0.463	0.060	0.157	0.608	0.690	0.566	8,260	1,239	1.020
C50-2	0.625	0.375	0.400	0.580	0.080	0.200	0.755	0.850	0.713	13,680	2,052	1.730
C60-2	0.750	0.500	0.469	0.685	0.094	0.235	0.949	1.055	0.897	18,440	2,780	2.560
C80-2	1.000	0.625	0.625	0.950	0.125	0.313	1.224	1.386	1.153	35,920	5,390	4.370
C100-2	1.250	0.750	0.750	1.187	0.156	0.376	1.502	1.655	1.408	52,200	7,830	6.490
C120-2	1.500	1.000	0.875	1.425	0.187	0.437	1.895	2.060	1.789	70,400	10,560	9.710
C140-2	1.750	1.000	1.000	1.662	0.219	0.500	2.030	2.243	1.924	94,680	14,202	12.040
C160-2	2.000	1.250	1.125	1.900	0.250	0.563	2.457	2.567	2.305	118,900	17,835	16.360

ANSI STANDARD C TYPE ROLLER CHAIN



TRIPLE STRAND

1. Constructed with **straight side plates** rather than peanut-shaped for slightly increased fatigue strength.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



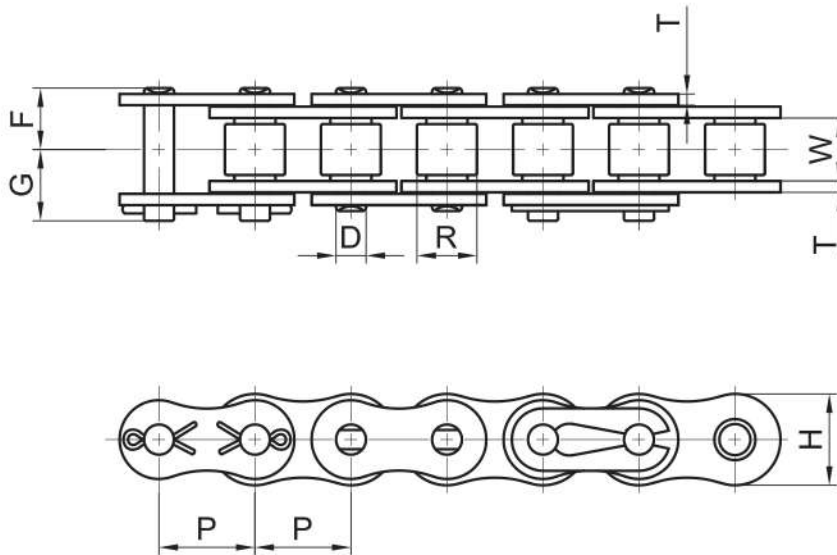
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G				
		W	R	H	T							
C40-3	0.500	0.312	0.312	0.463	0.060	0.157	0.890	0.975	0.566	11,240	1,650	1.438
C50-3	0.625	0.375	0.400	0.580	0.080	0.200	1.113	1.222	0.713	17,490	2,567	2.433
C60-3	0.750	0.500	0.469	0.685	0.094	0.235	1.400	1.506	0.897	24,976	3,663	3.602
C80-3	1.000	0.625	0.625	0.950	0.125	0.313	1.799	1.965	1.153	44,602	6,547	6.115
C100-3	1.250	0.750	0.750	1.187	0.156	0.376	2.224	2.338	1.408	69,601	10,217	9.139
C120-3	1.500	1.000	0.875	1.425	0.187	0.437	2.773	2.974	1.789	98,286	14,428	13.728
C140-3	1.750	1.000	1.000	1.662	0.219	0.500	2.997	3.194	1.924	133,379	19,579	16.954
C160-3	2.000	1.250	1.125	1.900	0.250	0.563	3.613	3.691	2.305	175,486	25,760	22.975

ANSI STANDARD HEAVY H

SINGLE STRAND



1. Heavy Series chain incorporates **thicker** plates for greater **strength** and **durability**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



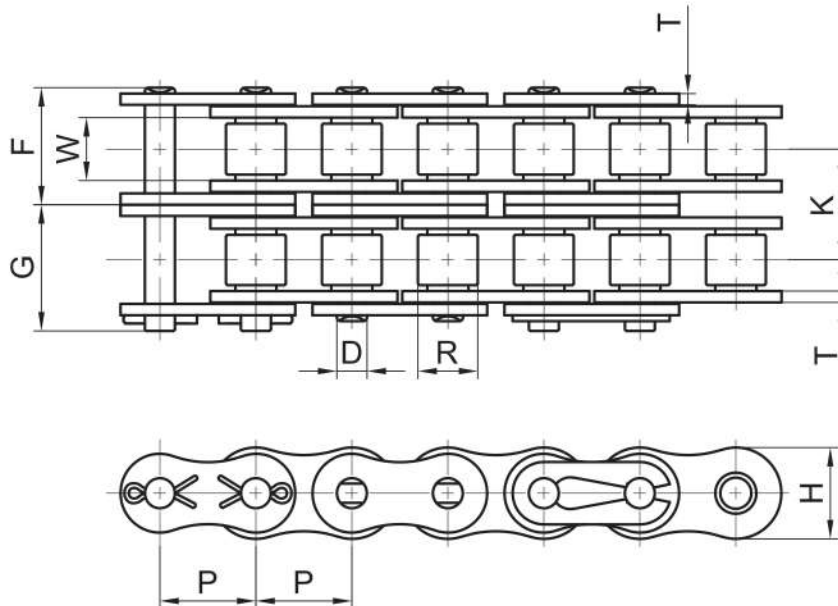
Chain No.	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G			
		W	R	H	T						
25H	0.250	0.125	0.130	0.207	0.040	0.091	0.174	0.603	1,146	170	0.107
40H	0.500	0.312	0.312	0.480	0.080	0.157	0.361	0.456	5,401	809	0.497
50H	0.625	0.375	0.400	0.573	0.094	0.200	0.435	0.526	8,157	1,224	0.766
60H	0.750	0.500	0.469	0.765	0.125	0.235	0.567	0.665	11,905	2,157	1.162
80H	1.000	0.625	0.625	0.956	0.156	0.313	0.715	0.888	21,494	3,564	1.995
100H	1.250	0.750	0.750	1.146	0.187	0.376	0.860	0.998	30,424	5,544	3.017
120H	1.500	1.000	0.875	1.464	0.219	0.437	1.072	1.265	41,447	6,897	4.206
140H	1.750	1.000	1.000	1.530	0.250	0.500	1.144	1.345	54,895	9,500	5.476
160H	2.000	1.250	1.125	1.846	0.281	0.563	1.339	1.546	68,784	11,020	7.109
180H	2.250	1.406	1.406	2.067	0.312	0.687	1.521	1.738	97,444	15,099	9.206
200H	2.500	1.500	1.562	2.295	0.375	0.781	1.715	1.934	113,758	17,558	12.834
240H	3.000	1.875	1.875	2.935	0.500	0.937	2.156	2.533	210,541	25,211	19.856

ANSI STANDARD HEAVY H

DOUBLE STRAND



1. Heavy Series chain incorporates **thicker** plates for greater **strength** and **durability**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



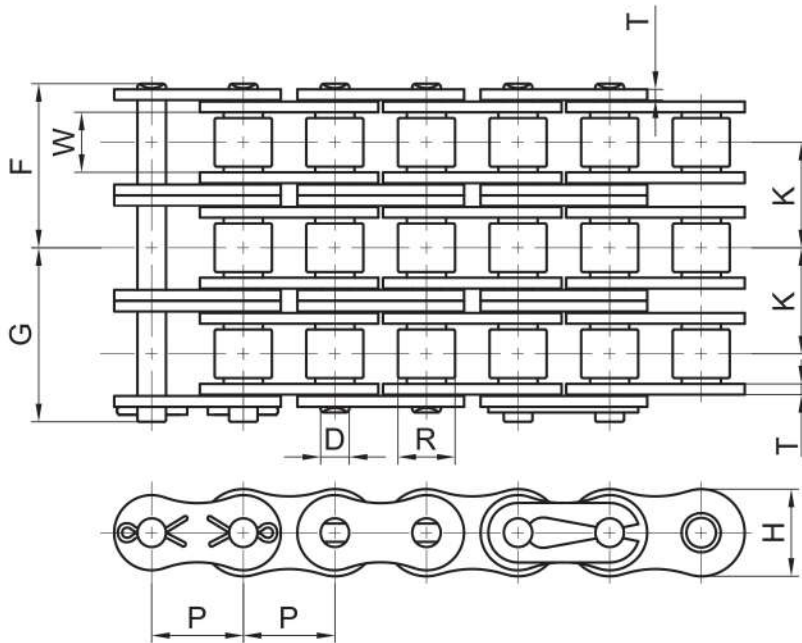
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G			
25H	0.250	0.125	0.130	0.207	0.040	0.091	0.174	0.603	1,146	170	0.107
40H	0.500	0.312	0.312	0.480	0.080	0.157	0.361	0.456	5,401	809	0.497
50H	0.625	0.375	0.400	0.573	0.094	0.200	0.435	0.526	8,157	1,224	0.766
60H	0.750	0.500	0.469	0.765	0.125	0.235	0.567	0.665	11,905	2,157	1.162
80H	1.000	0.625	0.625	0.956	0.156	0.313	0.715	0.888	21,494	3,564	1.995
100H	1.250	0.750	0.750	1.146	0.187	0.376	0.860	0.998	30,424	5,544	3.017
120H	1.500	1.000	0.875	1.464	0.219	0.437	1.072	1.265	41,447	6,897	4.206
140H	1.750	1.000	1.000	1.530	0.250	0.500	1.144	1.345	54,895	9,500	5.476
160H	2.000	1.250	1.125	1.846	0.281	0.563	1.339	1.546	68,784	11,020	7.109
180H	2.250	1.406	1.406	2.067	0.312	0.687	1.521	1.738	97,444	15,099	9.206
200H	2.500	1.500	1.562	2.295	0.375	0.781	1.715	1.934	113,758	17,558	12.834
240H	3.000	1.875	1.875	2.935	0.500	0.937	2.156	2.533	210,541	25,211	19.856

ANSI STANDARD HEAVY H

TRIPLE STRAND



1. Heavy Series chain incorporates **thicker** plates for greater **strength** and **durability**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



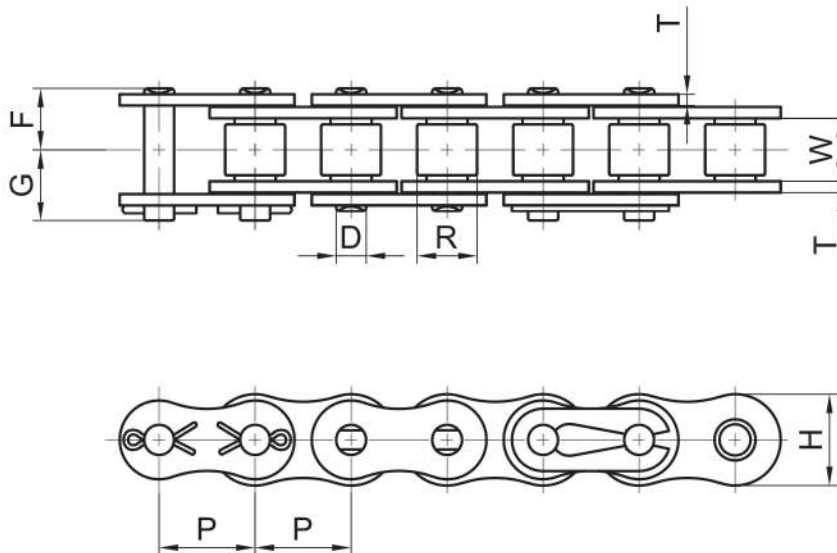
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G				
60H-3	0.750	0.500	0.469	0.712	0.125	0.235	1.598	1.685	1.028	35,715	5,445	7.605
80H-3	1.000	0.625	0.625	0.950	0.157	0.313	2.009	2.163	1.283	64,485	8,910	13.066
100H-3	1.250	0.750	0.750	1.187	0.187	0.376	2.407	2.532	1.539	91,271	13,662	19.361
120H-3	1.500	1.000	0.875	1.425	0.219	0.437	3.010	3.195	1.924	124,341	18,612	27.888
140H-3	1.750	1.000	1.000	1.662	0.250	0.500	3.200	3.396	2.055	164,685	23,008	36.088
160H-3	2.000	1.250	1.125	1.900	0.281	0.563	3.776	3.983	2.437	206,352	30,900	46.713
180H-3	2.250	1.406	1.406	2.137	0.312	0.687	4.243	4.707	2.723	292,333	34,470	60.271
200H-3	2.500	1.500	1.562	2.375	0.375	0.781	4.798	5.017	3.083	341,275	43,300	84.379
240H-3	3.000	1.875	1.875	2.850	0.500	0.937	6.141	6.519	3.985	631,624	63,406	128.949

ANSI STANDARD HEAVY H

SINGLE STRAND



1. Super Series chain incorporates **wider waist plates** and **thru-hardened pins** for greater **shock resistance** and **higher working loads**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



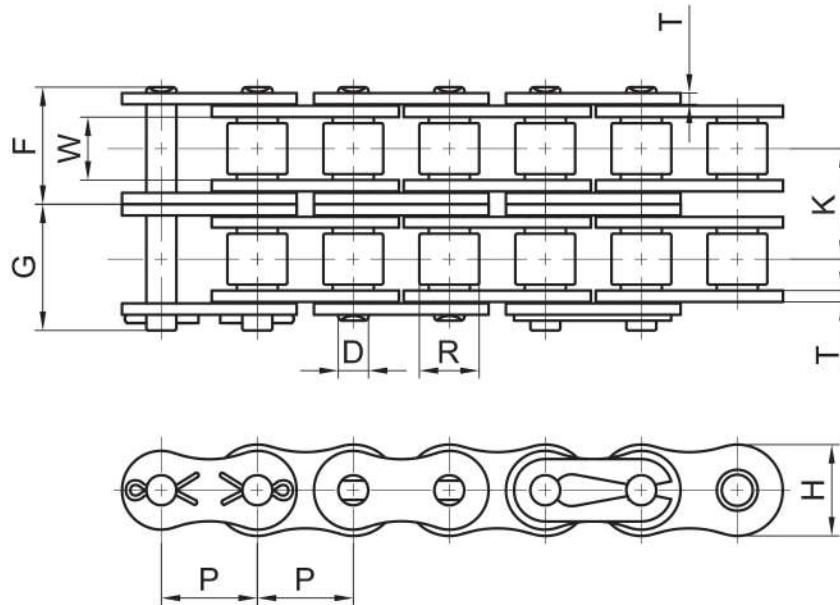
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G			
		W	R	H	T						
40S	0.500	0.312	0.312	0.081	0.060	0.157	0.324	0.406	4,400	924	0.443
50S	0.625	0.375	0.400	0.594	0.080	0.200	0.400	0.488	7,040	1,478	0.726
60S	0.750	0.500	0.469	0.712	0.094	0.235	0.501	0.601	9,680	2,033	1.042
80S	1.000	0.625	0.625	0.950	0.125	0.313	0.650	0.803	18,480	3,881	1.821
100S	1.250	0.750	0.750	1.187	0.156	0.376	0.781	0.950	29,260	6,145	2.762
120S	1.500	1.000	0.875	1.425	0.187	0.437	1.005	1.174	40,480	8,501	4.025
140S	1.750	1.000	1.000	1.662	0.219	0.500	1.091	1.267	53,240	11,180	5.174
160S	2.000	1.250	1.125	1.900	0.250	0.563	1.290	1.459	69,300	14,553	6.511
180S	2.250	1.406	1.406	2.281	0.281	0.687	1.443	1.659	84,040	15,968	8.937
200S	2.500	1.500	1.562	2.375	0.312	0.781	1.589	1.825	110,000	20,900	11.417
240S	3.000	1.875	1.875	2.850	0.375	0.937	1.943	2.179	162,800	29,304	16.396

ANSI STANDARD HEAVY H

DOUBLE STRAND



1. Super Series chain incorporates **wider waist plates** and **thru-hardened pins** for greater **shock resistance** and **higher working loads**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



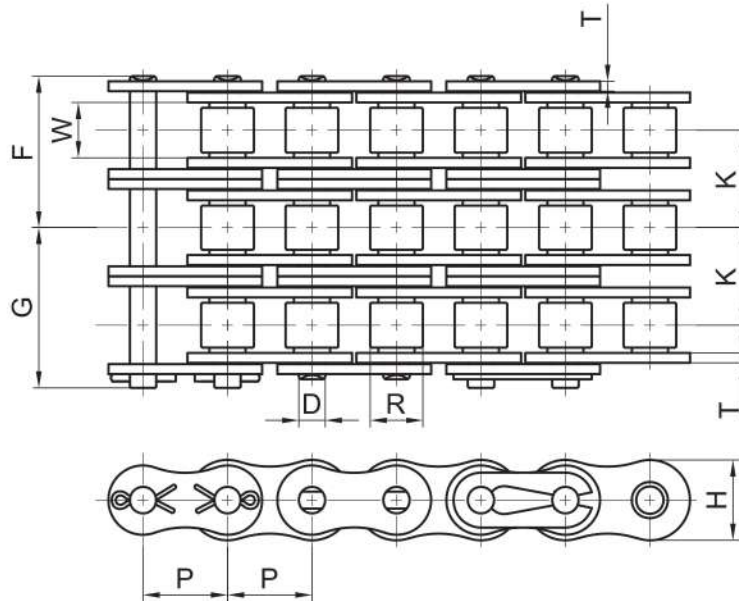
Chain	Pitch	Roller		Plate		Pin Dia.	Overall Width		Transverse Pitch	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G				
	P	W	R	H	T	D	F	G	K			
40S-2	0.500	0.312	0.312	0.081	0.060	0.157	0.607	0.689	0.566	8,800	1,584	0.87
50S-2	0.625	0.375	0.400	0.594	0.080	0.200	0.756	0.845	0.713	14,080	2,534	1.53
60S-2	0.750	0.500	0.469	0.712	0.094	0.235	0.949	1.050	0.897	19,360	3,485	2.21
80S-2	0.100	0.625	0.625	0.950	0.125	0.313	1.380	1.226	1.153	36,960	6,653	3.86
100S-2	1.250	0.750	0.750	1.187	0.156	0.376	1.485	1.654	1.408	58,520	10,534	5.82
120S-2	1.500	1.000	0.875	1.425	0.187	0.437	1.900	2.069	1.789	80,960	14,573	8.51
140S-2	1.750	1.000	1.000	1.662	0.219	0.500	2.036	2.229	1.924	106,480	19,166	10.96
160S-2	2.000	1.250	1.125	1.900	0.250	0.563	2.443	2.612	2.305	138,600	24,948	13.74
180S-2	2.250	1.406	1.406	0.281	0.281	0.687	2.739	2.955	2.592	168,080	26,893	18.86
200S-2	2.500	1.500	1.562	2.375	0.312	0.781	2.997	3.233	2.817	220,000	35,200	24.24
240S-2	3.000	1.875	1.875	2.850	0.375	0.937	3.672	3.908	3.458	325,600	50,468	34.57

ANSI STANDARD HEAVY H



TRIPLE STRAND

1. Super Series chain incorporates **wider waist plates** and **thru-hardened pins** for greater **shock resistance** and **higher working loads**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



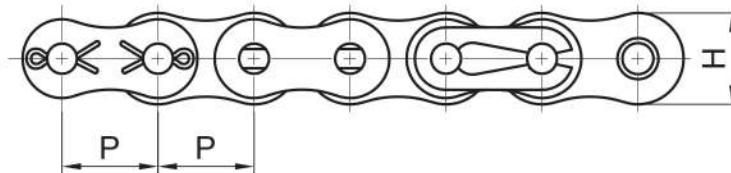
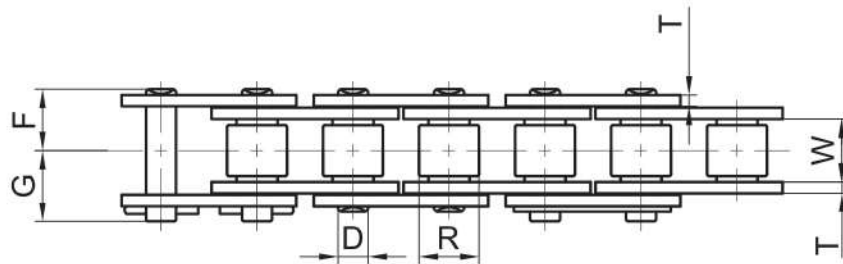
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G				
		W	R	H	T							
40S-3	0.500	0.375	0.400	0.081	0.060	0.157	0.890	0.972	0.566	13,200	2,442	1.34
50S-3	0.625	0.500	0.469	0.594	0.080	0.200	1.113	1.201	0.713	21,120	3,907	2.30
60S-3	0.750	0.625	0.625	0.712	0.094	0.235	1.398	1.498	0.897	29,040	5,372	3.30
80S-3	1.000	0.750	0.750	0.950	0.125	0.313	1.803	1.956	1.153	55,440	10,256	5.77
100S-3	1.250	1.000	0.875	1.187	0.156	0.376	2.189	2.358	1.408	87,780	16,239	8.72
120S-3	1.500	1.000	1.000	1.425	0.187	0.437	2.794	2.963	1.789	121,440	22,466	12.72
140S-3	1.750	1.250	1.125	1.662	0.219	0.500	2.998	3.191	1.924	159,720	29,548	16.45
160S-3	2.000	1.406	1.406	1.900	0.250	0.563	3.595	3.764	2.305	207,900	38,462	20.56
180S-3	2.250	1.500	1.562	2.281	0.281	0.687	4.035	4.251	2.592	252,120	40,339	28.20
200S-3	2.500	1.875	1.875	2.375	0.312	0.781	4.406	4.642	2.817	330,000	52,800	36.36
240S-3	3.000	2.000	2.000	2.850	0.375	0.937	5.401	5.637	3.458	488,400	73,260	51.71

ANSI STANDARD HEAVY H

SINGLE STRAND



1. Super Heavy chains incorporate the same design features as Super Series plus **thicker link plates** for **superior tensile** and **fatigue strength**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot-dipped lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



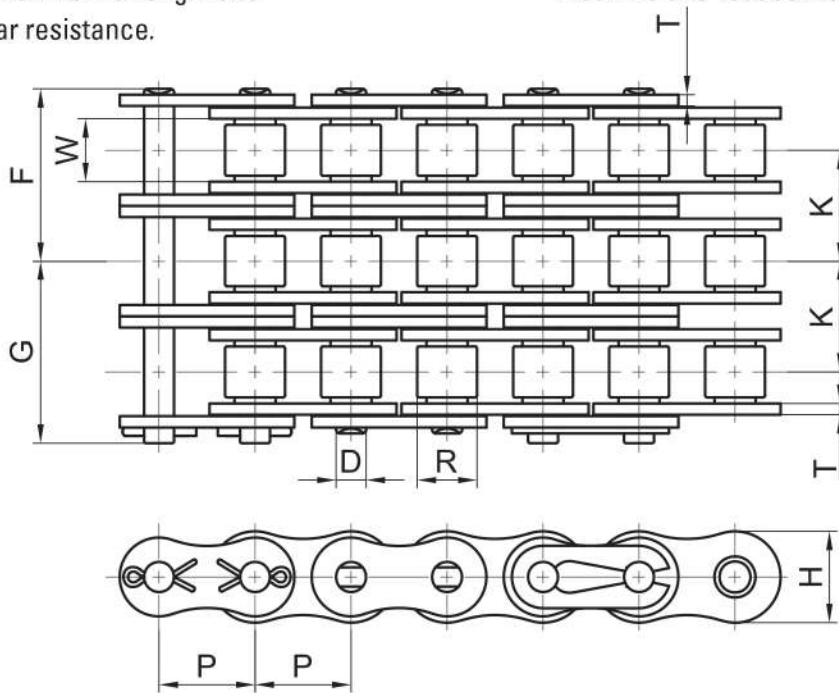
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G			
		W	R	H	T						
50HS	0.625	0.375	0.400	0.594	0.094	0.200	0.435	0.526	8,800	1,760	0.84
60HS	0.750	0.500	0.469	0.712	0.125	0.235	0.567	0.665	12,100	2,420	1.25
80HS	1.000	0.625	0.625	0.950	0.156	0.313	0.715	0.888	21,780	4,350	2.21
100HS	1.250	0.750	0.750	1.187	0.187	0.376	0.860	0.998	30,800	6,160	3.27
120HS	1.500	1.000	0.875	1.425	0.219	0.437	1.072	1.265	42,020	8,820	4.77
140HS	1.750	1.000	1.000	1.662	0.250	0.500	1.144	1.345	54,780	11,500	6.07
160HS	2.000	1.250	1.125	1.900	0.281	0.563	1.339	1.546	71,500	15,000	7.56
180HS	2.250	1.406	1.406	2.137	0.312	0.687	1.521	1.738	97,240	19,500	10.28
200HS	2.500	1.500	1.562	2.375	0.375	0.781	1.715	1.934	113,520	22,150	13.76
240HS	3.000	1.875	1.875	2.850	0.500	0.937	2.156	2.533	210,100	30,500	21.11

ANSI STANDARD HEAVY H



TRIPLE STRAND

1. Super Heavy chains incorporate the same design features as Super Series plus **thicker link plates** for **superior tensile** and **fatigue strength**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. AllPRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot dipped-lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



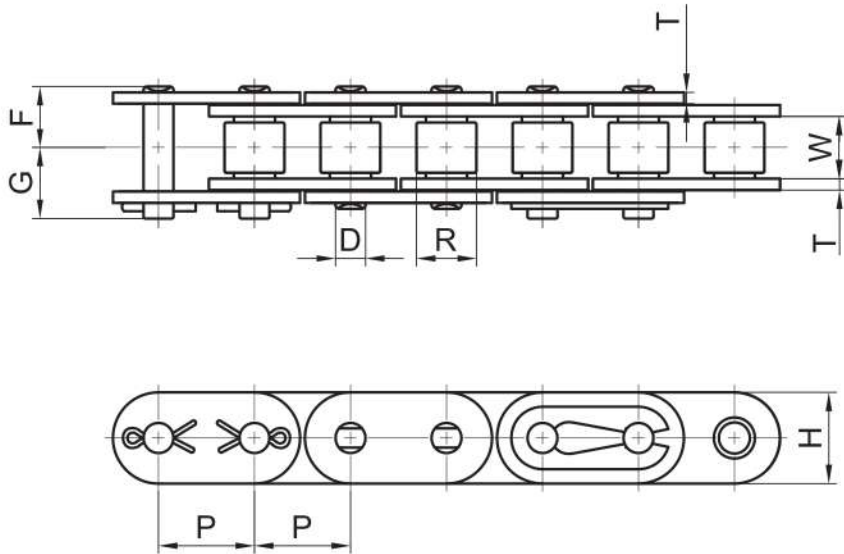
Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Transverse Pitch K	Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width W	Dia. R	Height H	Thickness T		F	G				
60HS-3	0.750	0.500	0.469	0.712	0.125	0.235	1.595	1.693	1.028	36,300	6,530	3.68
80HS-3	1.000	0.625	0.625	0.950	0.156	0.313	1.998	2.171	1.283	65,340	11,760	6.56
100HS-3	1.250	0.750	0.750	1.187	0.187	0.376	2.399	2.537	1.539	92,400	17,550	9.41
120HS-3	1.500	1.000	0.875	1.425	0.219	0.437	2.996	3.189	1.924	126,060	23,950	14.21
140HS-3	1.750	1.000	1.000	1.662	0.250	0.500	3.200	3.400	2.055	164,340	31,220	17.70
160HS-3	2.000	1.250	1.125	1.900	0.281	0.563	3.776	3.983	2.437	214,500	40,750	22.42
180HS-3	2.250	1.406	1.406	2.137	0.312	0.687	4.244	4.461	2.723	291,720	55,430	31.02
200HS-3	2.500	1.500	1.562	2.375	0.375	0.781	4.798	5.017	3.083	340,560	54,490	40.90
240HS-3	3.000	1.875	1.875	2.850	0.500	0.937	6.141	6.519	3.985	630,300	76,900	61.89

ANSI STANDARD HEAVY H

C TYPE



1. Super Heavy chains incorporate the same design features as Super Series plus **thicker link plates** for **superior tensile** and **fatigue strength**.
2. All chain components are **heat-treated** to achieve maximum strength and greater wear resistance.
3. All PRINCE roller chain is **pre-loaded** during the manufacturing process to minimize initial elongation.
4. **Hot dipped-lubrication** ensures 100% lubrication of all chain components to extend wear life and reduce maintenance costs.



Chain	Pitch P	Roller		Plate		Pin Dia. D	Overall Width		Avg. Ult. Tensile Strength (Lbs.)	Max. Working Load (Lbs.)	Avg. Weight Per Foot (Lbs.)
		Width	Dia.	Height	Thickness		F	G			
		W	R	H	T						
C60HS	0.750	0.500	0.469	0.712	0.125	0.235	0.567	0.665	12,540	2,500	1.44
C80HS	1.000	0.625	0.625	0.950	0.156	0.313	0.715	0.888	22,440	4,480	2.31
C100HS	1.250	0.750	0.750	1.187	0.187	0.376	0.860	0.998	32,560	6,500	3.41
C120HS	1.500	1.000	0.875	1.425	0.219	0.437	1.072	1.265	44,000	8,800	4.98
C140HS	1.750	1.000	1.000	1.662	0.250	0.500	1.144	1.345	57,420	11,480	6.37
C160HS	2.000	1.250	1.125	1.900	0.281	0.563	1.339	1.546	72,600	14,520	7.88