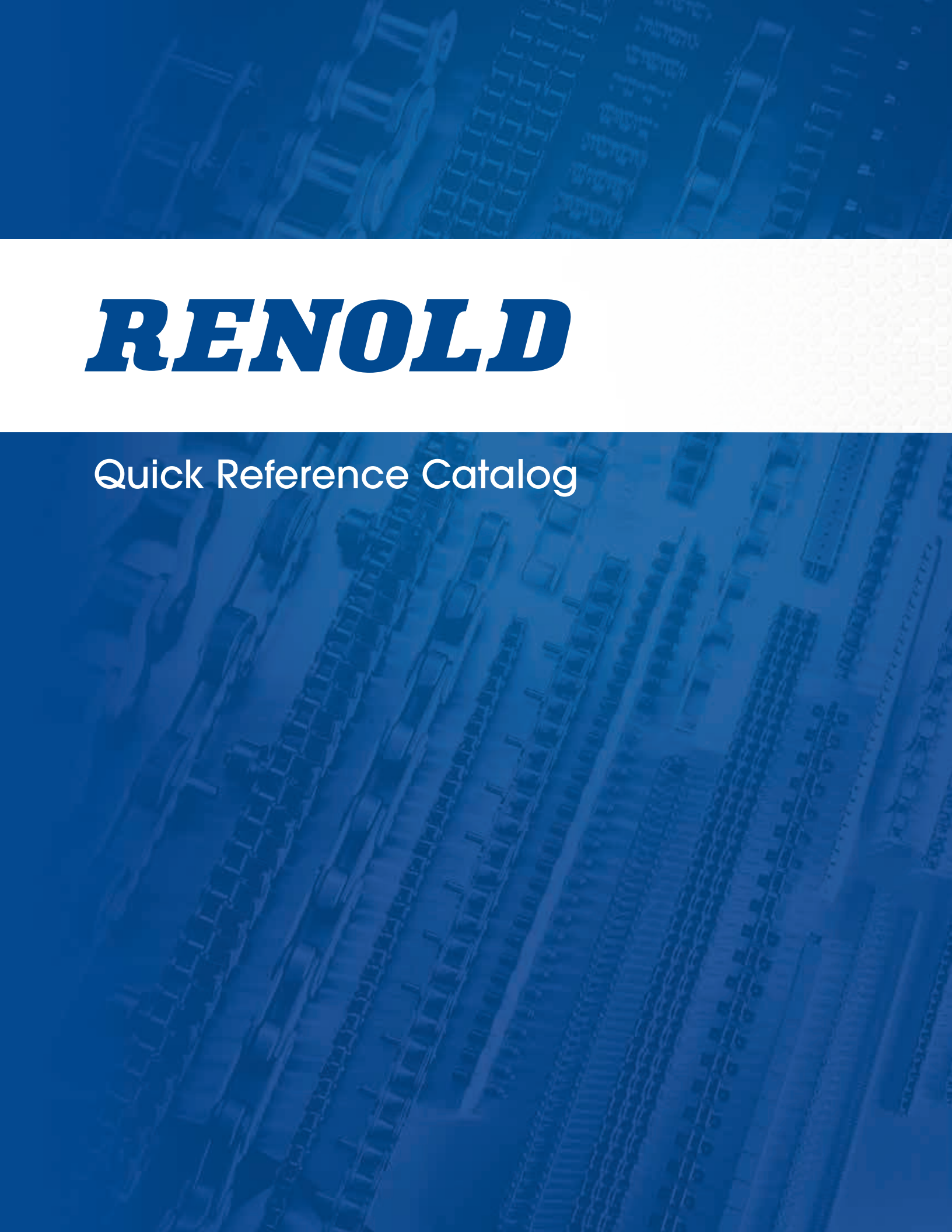




RENOLD

Quick Reference Catalog

RENOLD

Advancing Chain Technology

Take your operation into the future with hard-working, reliable chains from Renold.

Renold is the obvious choice when it comes to chain. From industrial roller chain to leaf chain to engineered class chain — chain is the core of our business, and no one does it better. Unlike other companies, we see chain as more than just another power transmission product: It's our lifeblood. That's why Renold is a leader in the industry. Renold Roller Chain is designed to operate at optimal performance.

There are tangible advantages to working with chain experts.

Partnership

We partner with our customers to deliver outstanding solutions for your applications. We understand that downtime comes right off your bottom line, and we work hard to ensure our chain offers value at every turn. When you succeed, we succeed.

Experience

We can fix any chain application. We've been making chains for more than 150 years, and we've seen thousands of operations. If you're having problems with your conveyor or drive system, call Renold.

Innovations

We deliver customer-driven innovations. Our designs are application-focused and based on feedback from our customers. You tell us what you need. We listen and then craft technology-driven solutions.

Commitment

Our team has been carefully selected and trained to help you. Our equipment is designed to move products through our factory, and our warehouses feature state-of-the-art technology to process orders quickly. We deliver value to protect your bottom line.

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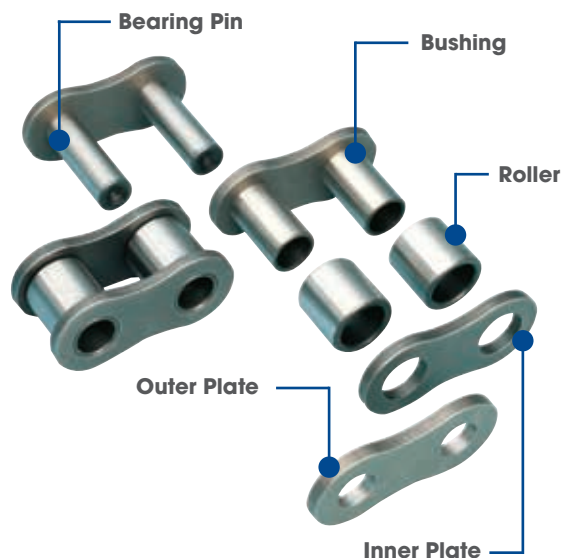
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Chain Basics & Identification



Single Strand



Double Strand



Triple Strand



Quadplex Strand



Roller Link - #4

Complete assemblies for use with all sizes and types of chain. The unit consists of two inner plates pressed onto the bushings, which carry the rollers. (Inner links for use with bush chains have no rollers.)



Outer Link - Press Fit - #107

For use with all sizes and types of chain where optimum security is desired. The link is supplied with bearing pins riveted into one outer plate. The other outer plate is an interference fit on the bearing pins, the ends of which should be riveted over after the plate is fitted.



Connecting Link - Spring Clip - #26

Used on short pitch chains only. Supplied with two connecting pins riveted into the outer plate, the clearance fit connecting plate being secured by means of a spring clip (#27), which snaps into the grooves in the pin.



Connecting Link - Cottered - #11

A connecting link supplied with two connecting pins riveted into the outer plate. The outer plate is a clearance fit on the connecting pins and is secured in position by a split pin through the projecting end of each connecting pin.



One Pitch Offset Link - #12

A single link with cranked plates pressed onto a bush and roller assembly at the narrow end. A clearance fit connecting pin is fitted at the wide end and is secured by a split pin.



Two Pitch Offset Link - #30

Double cranked links are available for most sizes and types of chain. The unit consists of an inner link with cranked links retained permanently in position by a riveted bearing pin.

RENOLD Advantage

Superior chain technology



Precision Components

- ▣ Multistage punched & shaved pitch holes for accuracy
- ▣ Ball drifted holes ensure quality press fits
- ▣ Shot-peening extends fatigue resistance for performance
- ▣ Tapered bushings enhance performance & reduce wear
- ▣ Solid bushings & rollers don't distort or open
- ▣ End-softened pins for easy field assembly/disassembly

Renold Roller Chain features tapered bushings that ensure a straight inner diameter after assembly, removing the need for initial adjustment.

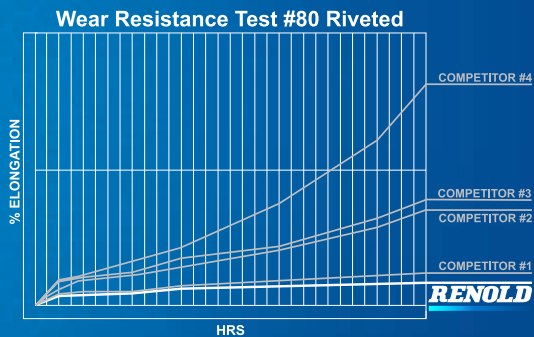


Competitor Roller Chain is constructed with an inner diameter of straight bushings, which are prone to collapse during assembly, causing rapid initial stretch and time-consuming adjustments.



In-House Heat Treatment – Your Link to Longer Wear Life

Customized heat treatment is essential to manufacture chains to the greatest specification. Renold's multi-step heat treatments deliver precise hardness and depth levels, ensuring components exceed the highest industry standards for wear life and durability.



Comprehensive In-House Metallurgical Capabilities

From testing alloy compositions to determining carburization depths, Renold has the equipment and expertise to verify specifications and perform failure analysis for chains of any brand. Competitors rely on expensive third-party labs, inhibiting their ability to deliver equal levels of quality assurance.



Global Manufacturing Owned by Renold

Global supply chains have many advantages, but without proper oversight, results can vary. Renold controls and monitors the specification of all raw materials and manufacturing processes worldwide.

North America:

Renold Jeffrey, Tennessee
Renold Ajax, New York

Europe:

Renold Chain, Einbeck
Renold Gears, Lancashire
Renold Couplings, Cardiff

Asia:

Renold Chain, India
Renold Technologies Co. Ltd., Shanghai
Renold China - Jintan

Oceania:

Renold Victoria

RENOLD

Full roller & attachment chain line-up

Behind every conceivable industry and application environment — heavy or light duty, indoor or outdoor, clean or contaminated, high or low temperature — Renold chain is hard at work delivering performance and increasing productivity.

Whatever your working environment or chain requirement, Renold has the chain for you.

	Blue	Whitney	SD	Sovereign	Synergy	Syno	Xtra	Hydro-Service	Stainless Steel
Fatigue Resistance	●●●	●●	●	●●●	★	●●●	★	●●●	●
Wear Resistance	●●●	●●	●	★	★	●●●	●	●●●	●●
High Shock Loads	●●●	●●	●	●●●	●●●		★	●●●	●●
Corrosion Resistance					●	●		●●●	★
Wet or Underwater Application								●●●	★
Abrasion Resistant for Dirty Applications	●●	●●	●	★	●●			●●	
No Lubrication Required				●●●		★			
FDA Approved for Food Contact									★
USDA H1 Lubricant						●●●			★
Temperature Ranges	-24° to 350°F	-24° to 350°F	-24° to 350°F	-24° to 350°F	-24° to 350°F	-24° to 302°F	-24° to 350°F	-24° to 350°F	(304)1000° (316)1100°
Attachments Available	✓	✓	✓	✓		✓		✓	✓
Standard ● Good ●● Better ●●● Best ★									

Every application is unique. This chart is meant as a guideline. Temperature ranges can vary based upon application and lubrication. We recommend a consultation with a member of the Renold Engineering Team. Call 1-800-251-9012.

Roller Chain Portfolio



Blue

- Maximum strength and wear life
- Outperforms any carbon steel competitive chain
- Exclusive end-softened pin heads for simplified installation/removal



Whitney

- Built to time-tested specifications from carefully selected materials
- Engineered with a trustworthy balance of performance enhancing and cost saving features



SD

- Quality economy chains for "standard duty" applications
- Built to ensure consistent reliability



Synergy

- Superior wear and fatigue resistance
- Far longer working life than the highest quality competitive chain



Sovereign

- Designed for dirty, dusty and abrasive applications
- Significantly longer wear life than carbon steel chains in harsh environments



Syno

- Dry-to-the-touch maintenance-free chain never needs relubrication
- Food industry-approved construction and lubricant within the sintered bush



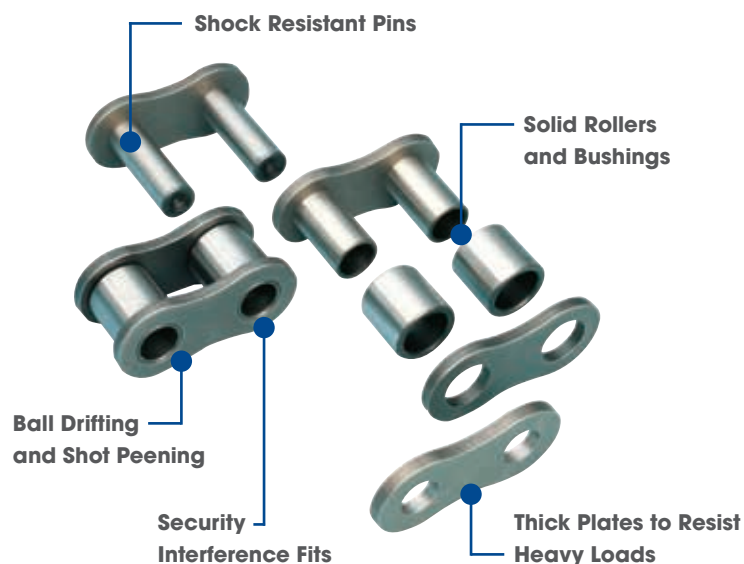
Hydro-Service

- Superior coating — remarkably more effective than standard carbon steel in outdoor, freshwater, or saltwater applications
- More economical and stronger than stainless steel



Stainless Steel

- Designed for applications where corrosion resistance is critical
- Ideal for severely acidic, alkaline or hot/cold environments

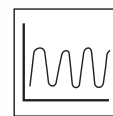


RENOLD Xtra

Roller Chain



Shock Resistant



Fatigue Resistant



High Loads

Shock resistance for heavy-duty applications

Renold Xtra roller chain combines the performance-enhancing features of our Blue standard or heavy chains — solid bushings, ball-drifted plate holes, shot peening, and optimum interference fits — with through-hardened pins for shock resistance.

Xtra V (Super)

Through-hardened pins allow a higher breaking load and offer superior resistance to shock loads. Dimensions are identical to our ANSI standard chain.

Xtra HV (Super Heavy)

Combines all the features of our Blue H and Xtra V chains for maximum resistance to both heavy and shock loads. Xtra's gearing dimensions are identical to ANSI standard chains for single-strand sizes and will run on standard sprockets. Blue H and Xtra HV double- and triple-strand chains have a larger transverse pitch and require special sprockets.

Hardened-tooth sprockets can further extend chain life. H and HV chains are designed for longer fatigue life. Therefore, offset and slip-fit joints, which have a lower fatigue resistance, are not recommended.

Selection Guide

Chain Type	Strength	Wear	Heavy Loads	Shock Loads	High Speeds	Abrasion Resistance
Blue	Good	Excellent	Good	Good	Excellent	Good
Blue H	Good	Excellent	Excellent	Good	Not Suitable	Good
Xtra V	Excellent	Good	Good	Excellent	Good	Not Suitable
Xtra HV	Excellent	Good	Excellent	Excellent	Not Suitable	Not Suitable

Straight Sidebars for Smooth Conveying



Standard Pitch Straight Sidebar Roller Chains dimensionally align with ANSI standards, except they substitute a straight-edged side plate for the standard “figure-eight” used for drive chains. This design is better suited to support and carry goods consistently. These chains weigh marginally more than standard roller chains and offer slightly increased fatigue strength. A “C” added to the corresponding ANSI chain number designates straight sidebars (e.g., C60).

Double Pitch Straight Sidebar Roller Chains provide an economical material handling solution for low to moderate loads and distanced sprockets. The prefix “C” and adding 2000 to the ANSI standard number indicates these chains. For pitches 1.5 inches and longer, heavy side plates are noted with the suffix “H.” For example, ANSI 60 Double Pitch straight sidebar chain is designated C2060H.

Large Roller Double Pitch, Straight Sidebar Chains feature similar benefits to the standard roller series; however, their oversized roller projects above and below the sidebars to produce a rolling, rather than a sliding, action. They minimize friction across the supporting surface to reduce wear and power requirements in heavier-duty applications. These chains are indicated by adding “C” and 2002 to the ANSI standard chain number (e.g., C2062H).

Sprockets for Double Pitch Chain

Specifically made Double Pitch sprockets are recommended for use with Double Pitch chains. However, ANSI standard sprockets can be used with Double Pitch chains, provided the sprockets have at least 30 teeth, and the chain has regular rollers. Since Double Pitch chains engage every other tooth, they can be indexed for longer sprocket life.

81X Conveyor Chain

81X is a widely used conveying chain most commonly found in forest product industries. Renold offers 81X, 81XH, and 81XHH with a solid roller, solid bushing, quad-staked pins, and pre-stressed for maximum performance.



Ask about our
Kiln Dryer 81X

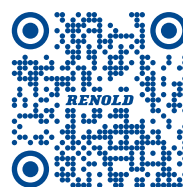
Attachment Chain

Renold manufactures dependable precision attachments and pairs them with our globally trusted Tier-1 Blue™ roller chain.

If you have a challenging operating environment, consider upgrading to a solution variation like lube-free Syno®, corrosion-resistant Hydro-Service®, or abrasion-resistant Sovereign. For sensitive applications, Renold offers true matching and tagging.

True Matching and Tagging

Renold's Matching and Tagging is unrivaled. Other chain manufacturers may offer matching and tagging for left/right paired attachment chains, but what is their method? Renold measures every pocket of attachment chain under a test load, whether three pitches or thirty. The resulting mirrored pair delivers higher performance to the chain's application.



Scan here for attachment specifications and dimensions.



A-1



A-2



SA-1



SA-2



D-1



D-3



K-1



K-2



SK-1



SK-2



WA-1



WA-2



WK-1



WK-2



WSA-1



WSA-2



WSK-1



WSK-2

How to Order Renold Jeffrey Attachment Chains

- 1. Specify chain number.**
- 2. Determine type of attachment.**
(A-1, SK-1, etc.)
- 3. Specify attachment spacing** (every pitch, every 2nd, etc. — Evenly spaced attachments are placed on pin links unless specified otherwise).
- 4. Specify length of each strand**
(number of pitches per strand).
- 5. Specify how many strands.**

Standard Roller Chain Availability

ANSI Standard Roller Chains

	25	35	35-2	35-3	40	40-2	40-3	41	50	50-2	50-3	60	60-2	60-3	60-4	60H	60H-2	80	80-2	80-3	80-4	80H	80H-2	100	100-2	100-3	100-4	100H	100H-2	
Renold																														
Riveted	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Cottered													X	X	X		X		X	X	X		X		X	X	X		X	
Whitney																														
Riveted		X	X	X	X	X	X			X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X
Cottered													X	X	X		X		X	X	X		X		X	X	X		X	
API**																		X	X	X	X	X	X	X	X	X	X	X	X	
SD*	X	X	X		X	X		X	X	X		X	X					X	X						X	X				
Synergy*		X			X	X			X	X		X	X					X	X						X	X				
Xtra*												X				X		X				X		X				X		
Syno*		X	X		X	X			X	X		X	X					X	X						X	X				
Sovereign*					X	X			X	X		X	X					X	X						X	X				
Hydro-Service*		X	X		X	X			X	X		X	X					X	X						X	X				
Stainless*	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X					X	X				
Nickel Plated*		X	X		X	X			X	X		X	X					X	X						X	X				

* Riveted only.

** Shepherd's crook cotter only.

British Standard Roller Chains

All Riveted Only	03B	04B	04B-2	05B	05B-2	05B-3	06B	06B-2	06B-3	08B	08B-2	08B-3	10B	10B-2	10B-3	12B	12B-2	12B-3	16B	16B-2	16B-3	20B	20B-2	20B-3	24B	24B-2	24B-3	28B	28B-2
Renold	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SD							X	X		X	X		X	X		X	X		X	X		X	X						
Synergy										X	X		X	X		X	X		X	X		X			X				X
Syno										X	X		X	X		X	X		X	X		X			X				X
Sovereign										X	X		X	X		X	X		X	X		X			X				X
Hydro-Service				X			X	X		X	X		X	X		X	X		X	X		X			X				
Stainless				X			X	X		X	X		X	X		X	X		X	X		X			X				
Nickel Plated				X			X	X		X	X		X	X		X	X		X	X		X			X				

Conveyor Roller Chains

		Conveyor Roller Chains																														
All Riveted Only		C40	40SB	40HP	C50	50SB	50HP	C60	60SB	60HP	C80	80SB	80HP	C100	C120	C140	C160	C2040	C2040HP	C2042	C2050	C2050HP	C2052	C2060H	C2060HHP	C2062H	C2080H	C2080HHP	C2082H	C2100H		
Renold		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Hydro-Service		X	X	X	X	X	X	X	X	X	X	X	X						X	X		X	X			X	X		X	X		
Stainless		X	X	X	X	X	X	X	X	X	X	X	X						X	X		X	X			X	X		X	X		

Standard Roller Chain Availability

ANSI Standard Roller Chains Continued

	120	120-2	120-3	120-4	120H	120H-2	140	140-2	140-3	140-4	140H	140H-2	160	160-2	160-3	160-4	160H	160H-2	180	180-2	180H	200	200-2	200-3	200-4	200H	240	240-2	240-3	240H	
Renold																															
Riveted	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cottered	X	X	X		X		X	X	X		X		X	X	X		X		X	X		X	X	X		X	X	X		X	X
Whitney																															
Riveted	X	X	X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X
Cottered	X	X	X		X		X	X	X		X		X	X	X		X		X	X		X	X	X		X	X	X		X	X
API**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SD*																															
Synergy*	X	X					X	X					X	X																	
Xtra*	X				X		X				X		X				X		X			X					X	X			X
Syno*	X						X						X						X			X						X			
Sovereign*	X	X					X	X					X	X					X			X	X					X			
Hydro-Service*	X						X						X						X			X						X			
Stainless*	X	X																													
Nickel Plated*																															

* Riveted only.

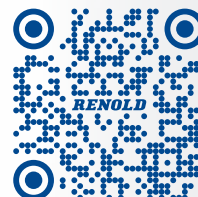
** Shepherd's crook cotter only.

British Standard Roller Chains Continued

	28B-3	32B	32B-2	32B-3	40B	40B-2	40B-3	48B	48B-2	48B-3	56B	56B-2	56B-3	64B	72B
Renold	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SD															
Synergy		X													
Syno		X													
Sovereign		X													
Hydro-Service															
Stainless															
Nickel Plated															

Key:

X = Available  = Unavailable



Scan here to see
an exhaustive list of
available API chains.

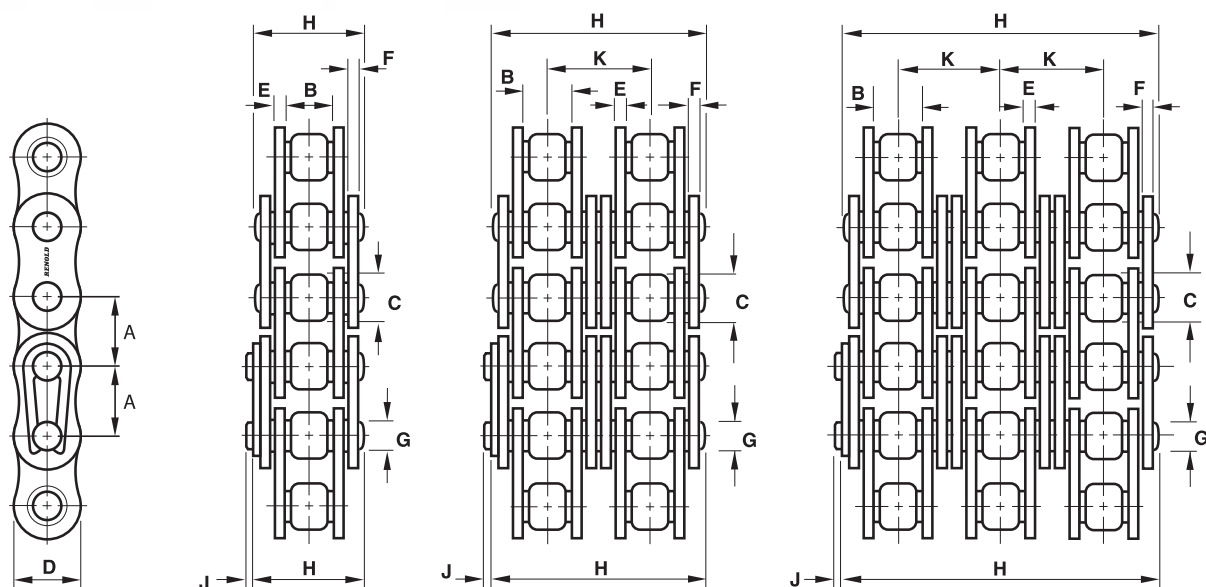
Conveyor Roller Chains Continued

	C2102H	C2120H	C2122H	C2160H	C2162H
Renold	X	X	X	X	X
Hydro-Service					
Stainless					

Connecting Links

One Pitch Offset Links (#12) are available for standard roller chains, and Two Pitch Offset Links (#30) for solution ranges. Spring Clip Connecting Links (#26) are available for small-pitch roller chain, and Cottered Connecting Links (#11) for large pitch. Roller Links (#4) and Press Fit Outer Links (#107) are available for all chains.

Chain Specifications



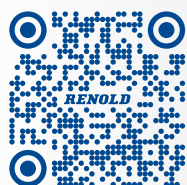
Roller Chain Specifications

Chain Size	Pitch	Inside Width Min	Roller Diameter Max	Plate Height Max	Inner Plate Thickness Max	Outer Plate Thickness Max	Pin Diameter Max	Pin Length Max	Conn Link Extension Max	Transverse Pitch Nom	Tensile Strength Min	Rated Working Load	Mass
	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E	F	G	H	J	K			
25	0.250	0.122	0.130	0.237	0.030	0.030	0.091	0.359	0.031	-	780	140	0.09
35	0.375	0.184	0.200	0.356	0.049	0.049	0.141	0.472	0.043	-	1,760	480	0.24
35-2	0.375	0.184	0.200	0.356	0.049	0.049	0.141	0.874	0.043	0.399	3,520	810	0.47
35-3	0.375	0.184	0.200	0.356	0.049	0.049	0.141	1.269	0.043	0.399	5,280	1,200	0.70
35-4	0.375	0.184	0.200	0.356	0.049	0.049	0.141	1.665	0.043	0.399	7,040	1,580	0.94
40	0.500	0.309	0.312	0.475	0.061	0.061	0.157	0.646	0.055	-	3,125	810	0.40
40-2	0.500	0.309	0.312	0.475	0.061	0.061	0.157	1.213	0.055	0.566	6,250	1,370	0.81
40-3	0.500	0.309	0.312	0.475	0.061	0.061	0.157	1.776	0.055	0.566	9,375	2,025	1.21
40-4	0.500	0.309	0.312	0.475	0.061	0.061	0.157	2.364	0.055	0.566	12,500	2,670	1.65
41	0.500	0.246	0.306	0.390	0.050	0.050	0.141	0.571	0.055	-	1,500	500	0.28
50	0.625	0.370	0.400	0.594	0.080	0.080	0.200	0.803	0.043	-	4,880	1,400	0.67
50-2	0.625	0.370	0.400	0.594	0.080	0.080	0.200	1.512	0.043	0.713	9,760	2,380	1.41
50-3	0.625	0.370	0.400	0.594	0.080	0.080	0.200	2.224	0.043	0.713	14,640	3,500	2.01
50-4	0.625	0.370	0.400	0.594	0.080	0.080	0.200	2.963	0.043	0.713	19,520	4,620	2.68

Reference drawings on top of page 12 or 14.

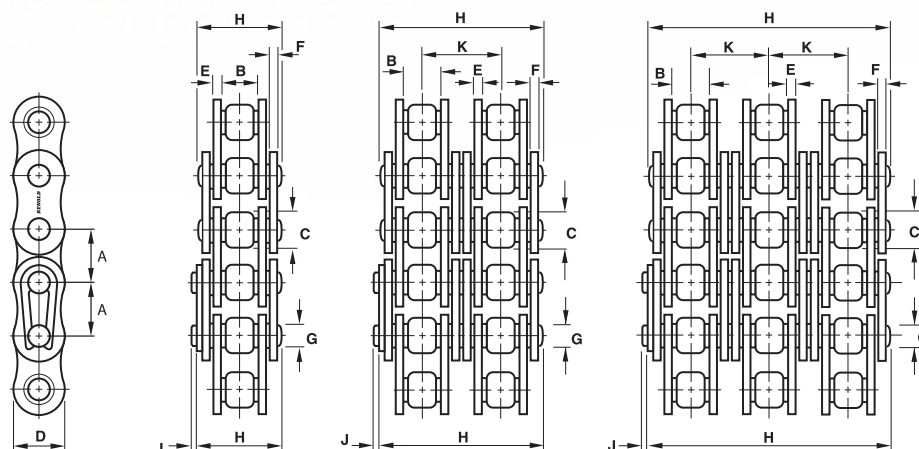
Roller Chain Specifications

Chain Size	Pitch	Inside Width	Roller Diameter	Plate Height	Inner Plate Thickness	Outer Plate Thickness	Pin Diameter	Pin Length	Conn Link Extension	Transverse Pitch	Tensile Strength	Rated Working Load	Mass
	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E	F	G	H	J	K			
60	0.750	0.495	0.469	0.713	0.094	0.094	0.235	0.996	0.043	-	7,030	1,950	0.99
60H	0.750	0.495	0.469	0.713	0.125	0.125	0.235	1.127	0.181	-	7,030	2,200	1.21
60-2	0.750	0.495	0.469	0.713	0.094	0.094	0.235	1.895	0.043	0.897	14,060	3,315	1.98
60H-2	0.750	0.495	0.469	0.713	0.125	0.125	0.235	2.246	0.181	1.029	14,060	3,700	2.38
60-3	0.750	0.495	0.469	0.713	0.094	0.094	0.235	2.793	0.043	0.897	21,090	4,875	2.97
60-4	0.750	0.495	0.469	0.713	0.094	0.094	0.235	3.719	0.043	0.897	28,120	6,435	3.97
80	1.000	0.620	0.625	0.950	0.125	0.125	0.313	1.288	0.118	-	12,500	3,300	1.88
80H	1.000	0.620	0.625	0.950	0.156	0.156	0.313	1.458	0.213	-	12,500	3,600	2.21
80-2	1.000	0.620	0.625	0.950	0.125	0.125	0.313	2.439	0.118	1.153	25,000	5,610	3.69
80H-2	1.000	0.620	0.625	0.950	0.156	0.156	0.313	2.707	0.213	1.284	25,000	6,100	4.42
80-3	1.000	0.620	0.625	0.950	0.125	0.125	0.313	3.593	0.118	1.153	37,500	8,250	5.56
80-4	1.000	0.620	0.625	0.950	0.125	0.125	0.313	4.756	0.118	1.153	50,000	10,890	7.50
100	1.250	0.744	0.750	1.188	0.156	0.156	0.375	1.564	0.165	-	19,530	5,060	2.81
100H	1.250	0.744	0.750	1.188	0.187	0.187	0.375	1.738	0.240	-	19,530	5,500	3.22
100-2	1.250	0.744	0.750	1.188	0.156	0.156	0.375	2.971	0.165	1.408	39,060	8,600	5.63
100H-2	1.250	0.744	0.750	1.188	0.187	0.187	0.375	3.278	0.240	1.540	39,060	9,300	6.90
100-3	1.250	0.744	0.750	1.188	0.156	0.156	0.375	4.381	0.165	1.408	58,590	12,650	8.44
100-4	1.250	0.744	0.750	1.188	0.156	0.156	0.375	5.796	0.165	1.408	78,120	16,690	11.26
120	1.500	0.993	0.875	1.425	0.187	0.187	0.437	1.942	0.209	-	28,125	6,800	3.82
120H	1.500	0.993	0.875	1.425	0.219	0.219	0.437	2.070	0.260	-	28,125	7,300	4.22
120-2	1.500	0.993	0.875	1.425	0.187	0.187	0.437	3.731	0.209	1.789	56,250	11,560	7.37
120H-2	1.500	0.993	0.875	1.425	0.219	0.219	0.437	4.137	0.260	1.925	56,250	12,300	8.44
120-3	1.500	0.993	0.875	1.425	0.187	0.187	0.437	5.524	0.209	1.789	84,375	17,000	11.19
120-4	1.500	0.993	0.875	1.425	0.187	0.187	0.437	7.317	0.209	1.789	112,500	22,400	15.28
140	1.750	0.993	1.000	1.663	0.219	0.219	0.500	2.084	0.205	-	38,280	9,000	5.23
140H	1.750	0.993	1.000	1.663	0.250	0.250	0.500	2.281	0.292	-	38,280	9,600	5.76
140-2	1.750	0.993	1.000	1.663	0.219	0.219	0.500	4.011	0.205	1.924	76,560	15,300	10.39
140H-2	1.750	0.993	1.000	1.663	0.250	0.250	0.500	4.212	0.292	2.057	76,560	16,300	11.22
140-3	1.750	0.993	1.000	1.663	0.219	0.219	0.500	5.938	0.205	1.924	114,840	22,500	15.48
140-4	1.750	0.993	1.000	1.663	0.219	0.219	0.500	7.868	0.205	1.924	153,120	29,700	20.64



Scan here to see tables of horsepower ratings for standard roller chains based on sprocket size, lubrication type, and rpm.

Reference drawings on top of page 12 or 14.



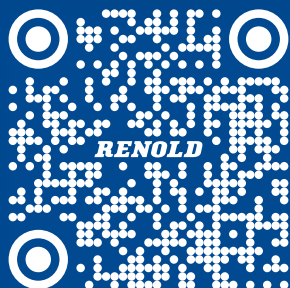
Roller Chain Specifications

Chain Size	Pitch	Inside Width Min	Roller Diameter Max	Plate Height Max	Inner Plate Thickness Max	Outer Plate Thickness Max	Pin Diameter Max	Pin Length Max	Conn Link Extension Max	Transverse Pitch Nom	Tensile Strength Min	Rated Working Load lbs	Mass lbs/ft
	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E	F	G	H	J	K			
160	2.000	1.242	1.125	1.900	0.250	0.250	0.563	2.486	0.256	-	50,000	11,900	6.97
160H	2.000	1.242	1.125	1.900	0.281	0.281	0.563	2.699	0.311	-	50,000	12,600	7.50
160-2	2.000	1.242	1.125	1.900	0.250	0.250	0.563	4.791	0.256	2.305	100,000	20,230	13.80
160H-2	2.000	1.242	1.125	1.900	0.281	0.281	0.563	5.138	0.311	2.439	100,000	21,200	15.75
160-3	2.000	1.242	1.125	1.900	0.250	0.250	0.563	7.100	0.256	2.305	150,000	29,750	20.77
160-4	2.000	1.242	1.125	1.900	0.250	0.250	0.563	9.409	0.256	2.305	200,000	39,270	27.60
180	2.250	1.397	1.406	2.139	0.281	0.281	0.688	2.782	0.311	-	63,280	13,000	9.34
180H	2.250	1.397	1.406	2.139	0.312	0.312	0.688	2.912	0.311	-	63,280	14,200	10.18
180-2	2.250	1.397	1.406	2.139	0.281	0.281	0.688	5.378	0.311	2.592	126,560	22,100	18.57
180H-2	2.250	1.397	1.406	2.139	0.312	0.312	0.688	5.548	0.311	2.594	126,560	24,000	20.36
180-3	2.250	1.397	1.406	2.139	0.281	0.281	0.688	7.971	0.311	2.592	189,840	32,500	27.81
180-4	2.250	1.397	1.406	2.139	0.281	0.281	0.688	10.563	0.311	2.592	253,120	42,900	37.05
200	2.500	1.490	1.562	2.377	0.312	0.312	0.782	3.030	0.355	-	78,125	16,000	11.59
200H	2.500	1.490	1.562	2.377	0.375	0.375	0.782	3.404	0.402	-	78,125	17,800	13.07
200-2	2.500	1.490	1.562	2.377	0.312	0.312	0.782	5.851	0.355	2.817	156,250	27,200	23.05
200H-2	2.500	1.490	1.562	2.377	0.375	0.375	0.782	6.489	0.402	3.085	156,250	29,900	26.13
200-3	2.500	1.490	1.562	2.377	0.312	0.312	0.782	9.023	0.355	2.817	234,375	40,000	34.30
200-4	2.500	1.490	1.562	2.377	0.312	0.312	0.782	11.489	0.355	2.817	312,500	52,800	46.10
240	3.000	1.864	1.875	2.852	0.375	0.375	0.938	3.719	0.414	-	112,500	22,000	16.75
240H	3.000	1.864	1.875	2.852	0.500	0.500	0.938	4.212	0.414	-	112,500	25,300	20.44
240-2	3.000	1.864	1.875	2.852	0.375	0.375	0.938	7.179	0.414	3.458	225,000	37,400	33.50
240H-2	3.000	1.864	1.875	2.852	0.500	0.500	0.938	8.195	0.414	3.988	225,000	43,000	40.87
240-3	3.000	1.864	1.875	2.852	0.375	0.375	0.938	10.642	0.414	3.458	337,500	55,000	50.25
240-4	3.000	1.864	1.875	2.852	0.375	0.375	0.938	14.101	0.414	3.458	450,000	72,600	67.00

Reference drawings on top of page 12 or 14.

Roller Chain Specifications

Chain Size	Pitch	Inside Width Min	Roller Diameter Max	Plate Height Max	Inner Plate Thickness Max	Outer Plate Thickness Max	Pin Diameter Max	Pin Length Max	Conn Link Extension Max	Transverse Pitch Nom	Tensile Strength Min	Rated Working Load	Mass
	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E	F	G	H	J	K			
81X	2.609	1.062	0.906	1.125	0.156	0.156	0.437	2.078	0.402	-	25,000	Consult Factory	2.40
81XH	2.609	1.062	0.906	1.265	0.312	0.219	0.437	2.531	0.402	-	40,000		3.50
81XHH	2.609	1.062	0.906	1.265	0.312	0.312	0.437	2.690	0.402	-	42,000		4.60
81XKD	2.609	1.072	0.903	1.125	0.296	0.219	0.437	2.078	0.402	-	25,000		2.40
81XHKD	2.609	1.072	0.903	1.265	0.296	0.312	0.437	2.531	0.402	-	40,000		3.50
C2040	1.000	0.309	0.312	0.465	0.060	0.060	0.156	0.701	0.154	-	3,125	810	0.34
C2042	1.000	0.309	0.625	0.465	0.060	0.060	0.156	0.701	0.154	-	3,125	810	0.55
C2050	1.250	0.370	0.400	0.591	0.080	0.080	0.200	0.859	0.162	-	4,880	1,400	0.56
C2052	1.250	0.370	0.750	0.591	0.080	0.080	0.200	0.859	0.162	-	4,880	1,400	0.84
C2060H	1.500	0.495	0.469	0.701	0.125	0.125	0.235	1.127	0.181	-	7,030	2,200	0.97
C2062H	1.500	0.495	0.875	0.701	0.125	0.125	0.235	1.127	0.181	-	7,030	2,200	1.36
C2080H	2.000	0.620	0.625	0.950	0.156	0.156	0.313	1.411	0.213	-	12,500	3,600	1.62
C2082H	2.000	0.620	1.125	0.950	0.156	0.156	0.313	1.411	0.213	-	12,500	3,600	2.25
C2100H	2.500	0.744	0.750	1.135	0.187	0.187	0.375	1.671	0.169	-	19,530	5,500	2.33
C2102H	2.500	0.744	1.562	1.135	0.187	0.187	0.375	1.671	0.169	-	19,530	5,500	3.79
C2120H	3.000	0.993	0.875	1.383	0.219	0.219	0.437	2.065	0.209	-	28,125	7,300	3.30
C2122H	3.000	0.993	1.750	1.383	0.219	0.219	0.437	2.065	0.209	-	28,125	7,300	5.29
C2160H	4.000	1.242	1.125	1.887	0.281	0.281	0.563	2.585	0.264	-	50,000	12,600	5.36
C2162H	4.000	1.242	2.250	1.887	0.281	0.281	0.563	2.585	0.264	-	50,000	12,600	8.58



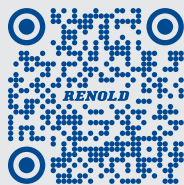
Syno Solution Chain Specifications

Syno solution chain specifications vary slightly from the ANSI standard due to their larger inside plate.

Scan here for a complete list of Syno specifications.

Roller Chain Specifications

Chain Size	Pitch	Inside Width	Roller Diameter	Plate Height	Inner Plate Thickness	Outer Plate Thickness	Pin Diameter	Pin Length	Conn Link Extension	Transverse Pitch	Tensile Strength	Rated Working Load	Mass
	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E	F	G	H	J	K			
05B	0.315	0.118	0.197	0.280	0.029	0.029	0.091	0.339	0.122	-	989	170	0.12
06B	0.375	0.225	0.250	0.325	0.051	0.041	0.129	0.493	0.051	-	2,001	395	0.26
06B-2	0.375	0.225	0.250	0.325	0.051	0.041	0.129	0.906	0.051	0.403	3,799	670	0.50
06B-3	0.375	0.225	0.250	0.325	0.051	0.041	0.129	1.312	0.051	0.403	5,598	1,000	0.74
08B	0.500	0.305	0.335	0.465	0.061	0.061	0.175	0.669	0.059	-	4,001	700	0.47
08B-2	0.500	0.305	0.335	0.465	0.061	0.061	0.175	1.198	0.059	0.548	6,991	1,185	0.93
08B-3	0.500	0.305	0.335	0.465	0.061	0.061	0.175	1.745	0.059	0.548	10,004	1,750	1.38
10B	0.625	0.380	0.400	0.580	0.061	0.061	0.200	0.741	0.051	-	4,991	1,100	0.62
10B-2	0.625	0.380	0.400	0.580	0.061	0.061	0.200	1.395	0.051	0.654	10,004	1,870	1.21
10B-3	0.625	0.380	0.400	0.580	0.061	0.061	0.200	2.049	0.051	0.654	14,994	2,750	1.70
12B	0.750	0.460	0.476	0.636	0.071	0.071	0.225	0.863	0.043	-	6,497	1,575	0.80
12B-2	0.750	0.460	0.476	0.636	0.071	0.071	0.225	1.631	0.043	0.767	12,993	2,680	1.61
12B-3	0.750	0.460	0.476	0.636	0.071	0.071	0.225	2.399	0.043	0.767	19,490	3,930	2.41
16B	1.000	0.671	0.626	0.831	0.162	0.122	0.326	1.375	0.087	-	13,488	2,810	1.88
16B-2	1.000	0.671	0.626	0.831	0.162	0.122	0.326	2.632	0.087	1.256	23,829	4,780	3.69
16B-3	1.000	0.671	0.626	0.831	0.162	0.122	0.326	3.885	0.087	1.256	35,968	7,025	5.46
20B	1.250	0.771	0.751	1.041	0.182	0.142	0.401	1.568	0.106	-	21,356	4,370	2.58
20B-2	1.250	0.771	0.751	1.041	0.182	0.142	0.401	3.022	0.106	1.436	38,216	7,430	5.23
20B-3	1.250	0.771	0.751	1.041	0.182	0.142	0.401	4.460	0.106	1.436	56,200	10,925	7.81
24B	1.500	1.001	1.001	1.316	0.240	0.200	0.576	2.072	0.268	-	35,968	6,130	4.99
24B-2	1.500	1.001	1.001	1.316	0.240	0.200	0.576	3.991	0.268	1.905	62,944	10,270	9.92
24B-3	1.500	1.001	1.001	1.316	0.240	0.200	0.576	5.898	0.268	1.905	95,540	15,100	14.91
28B	1.750	1.221	1.101	1.461	0.300	0.250	0.626	2.529	0.268	-	44,960	7,650	6.27
28B-2	1.750	1.221	1.101	1.461	0.300	0.250	0.626	4.874	0.268	2.347	80,928	13,488	12.46
28B-3	1.750	1.221	1.101	1.461	0.300	0.250	0.626	7.222	0.268	2.347	119,144	19,125	18.76



Scan here to see tables of horsepower ratings for standard roller chains based on sprocket size, lubrication type, and rpm.

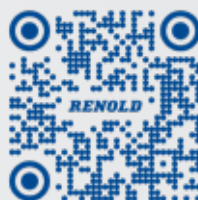
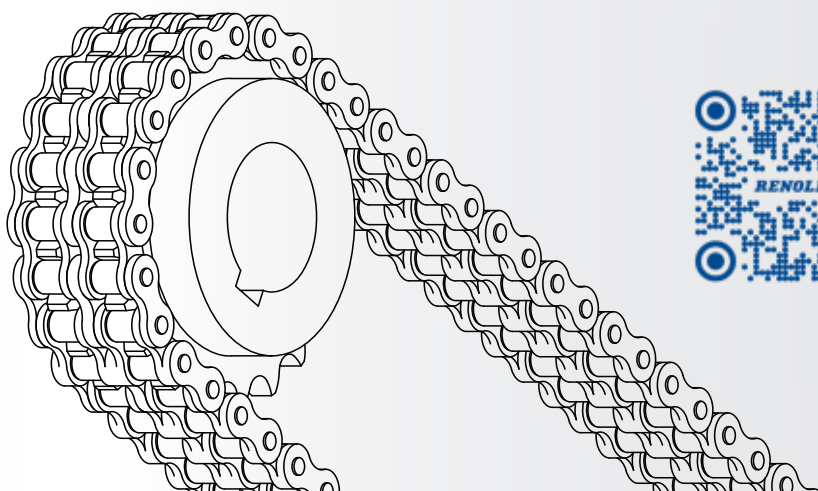
Roller Chain Specifications

Chain Size	Pitch	Inside Width	Roller Diameter	Plate Height	Inner Plate Thickness	Outer Plate Thickness	Pin Diameter	Pin Length	Conn Link Extension	Transverse Pitch	Tensile Strength	Rated Working Load	Mass
	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E	F	G	H	J	K			
32B	2.000	1.221	1.151	1.666	0.280	0.250	0.702	2.498	0.315	-	56,200	9,367	6.77
32B-2	2.000	1.221	1.151	1.666	0.280	0.250	0.702	4.807	0.315	2.307	101,160	16,860	13.47
32B-3	2.000	1.221	1.151	1.666	0.280	0.250	0.702	7.112	0.315	2.307	150,616	21,850	20.10
40B	2.500	1.548	1.551	2.087	0.320	0.320	0.902	3.081	0.374	-	79,804	13,300	11.06
40B-2	2.500	1.548	1.551	2.087	0.320	0.320	0.902	5.930	0.374	2.848	141,630	26,000	21.98
40B-3	2.500	1.548	1.551	2.087	0.320	0.320	0.902	8.778	0.374	2.848	213,560	32,000	32.76
48B	3.000	1.800	1.900	2.510	0.452	0.452	1.151	3.865	0.358	-	125,893	*	17.02
48B-2	3.000	1.800	1.900	2.510	0.452	0.452	1.151	7.220	0.358	3.591	224,809	*	33.71
48B-3	3.000	1.800	1.900	2.510	0.452	0.452	1.151	11.047	0.358	3.591	337,213	*	50.52
56B	3.500	2.100	2.125	3.065	0.530	0.530	1.351	4.512	0.435	-	191,088	*	23.55
56B-2	3.500	2.100	2.125	3.065	0.530	0.530	1.351	8.709	0.435	4.197	359,694	*	46.67
56B-3	3.500	2.100	2.125	3.065	0.530	0.530	1.351	12.906	0.435	4.197	503,572	*	69.79
64B	4.000	2.400	2.500	3.550	0.593	0.593	1.549	5.082	0.402	-	251,786	*	31.08
64B-2	4.000	2.400	2.500	3.550	0.593	0.593	1.549	9.802	0.402	4.720	539,541	*	61.60
64B-3	4.000	2.400	2.500	3.550	0.593	0.593	1.549	14.550	0.402	4.720	790,000	*	92.40
72B	4.500	2.700	2.850	4.080	0.640	0.640	1.751	5.642	0.402	-	314,730	*	40.05

* Consult Factory



Scan here to access the online
3D Chain & Attachment Configurator

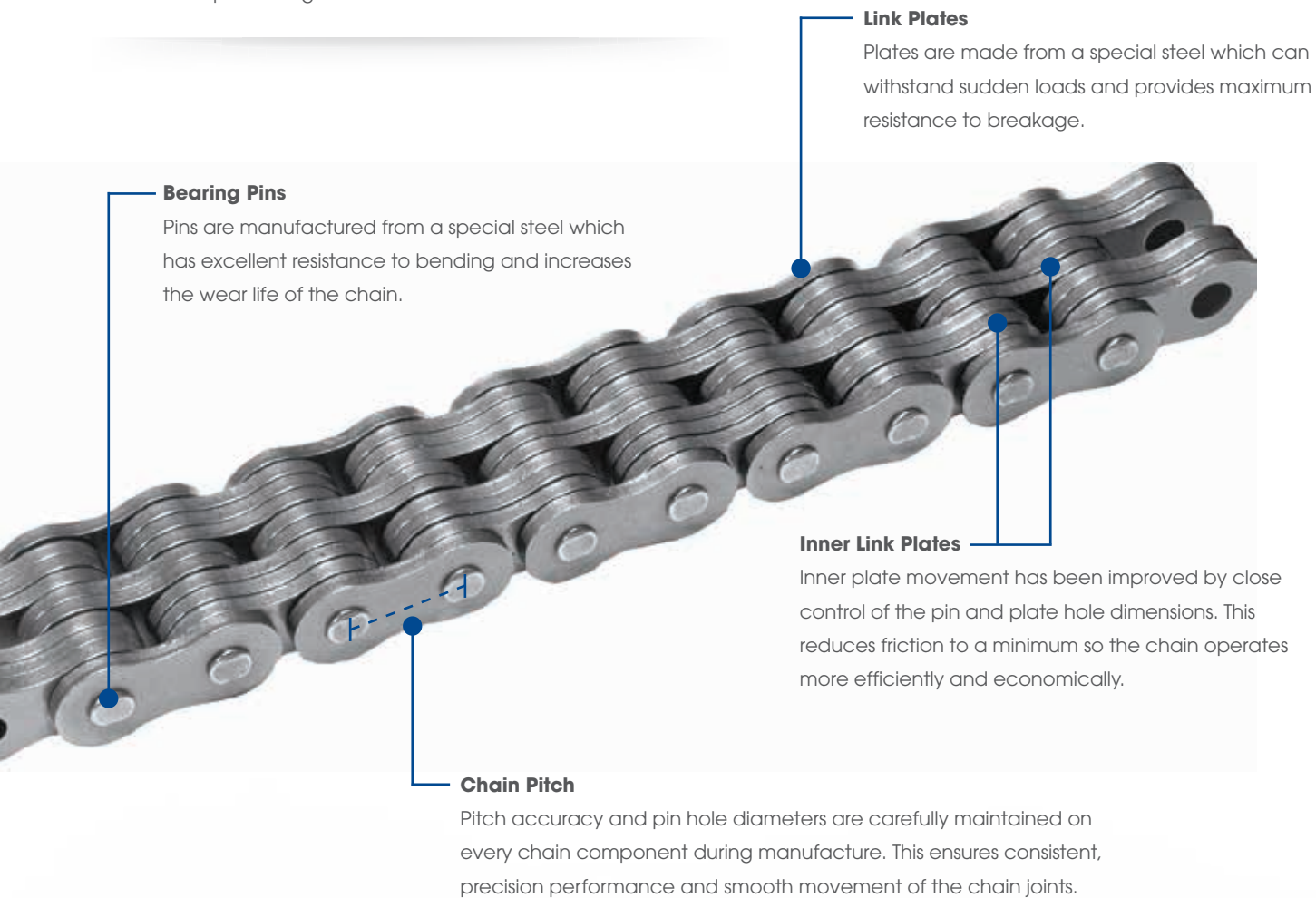


Scan here to see technical
information like chain installation
and maintenance, system design
and selection, formulas, conversions,
working loads, and sprocket data.

Leaf Chain

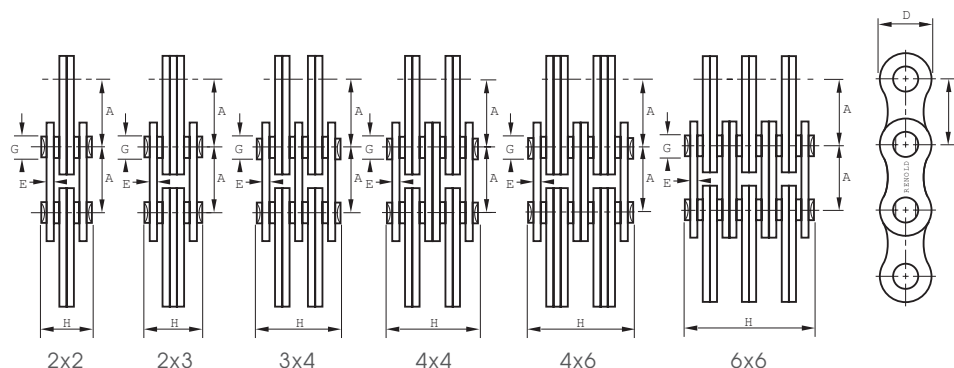
Special design features:

- High fatigue strength
- Long service life
- Maximum resistance to wear
- Compact design



Benefits

- Increased wear resistance for longer life and maintenance savings.
- Higher breaking loads, giving greater safety factors and more reliability.
- Improved fatigue resistance, which means increased durability and lower replacement costs.



BL Series Leaf Chain

BL Series Leaf Chain is crafted for moderate- to heavy-duty lifting applications and conforms to the ASME B29.8 Leaf Chain Standard. Pins and link plates of the BL series are made one size larger than the corresponding ANSI chain to allow for operation in moderate- to heavy-load applications.

BL Series Leaf Chain

Chain No.	Pitch	Lacing	Plate Thickness	Plate Height	Pin Diameter	Pin Length	ANSI Minimum Tensile Strength	Average Chain Weight
	in	in	in	in	in	in	lbs	lbs/ft
	A		E	D	G	H		
BL422	0.500	2x2	0.081	0.476	0.200	0.429	5,000	0.430
BL423	0.500	2x3	0.081	0.476	0.200	0.516	5,000	0.504
BL434	0.500	3x4	0.081	0.476	0.200	0.685	7,500	0.699
BL444	0.500	4x4	0.081	0.476	0.200	0.768	10,000	0.806
BL446	0.500	4x6	0.081	0.476	0.200	0.913	10,000	0.981
BL466	0.500	6x6	0.081	0.476	0.200	1.102	15,000	1.169
BL523	0.625	2x3	0.097	0.594	0.234	0.587	7,500	0.705
BL534	0.625	3x4	0.097	0.594	0.234	0.799	11,250	0.988
BL544	0.625	4x4	0.097	0.594	0.234	0.882	15,000	1.136
BL546	0.625	4x6	0.097	0.594	0.234	1.067	15,000	1.391
BL566	0.625	6x6	0.097	0.594	0.234	1.280	22,500	1.794
BL623	0.750	2x3	0.127	0.717	0.312	0.787	11,000	1.236
BL634	0.750	3x4	0.127	0.717	0.312	1.035	16,500	1.734
BL644	0.750	3x4	0.127	0.717	0.312	1.165	22,000	1.982
BL646	0.750	4x6	0.127	0.717	0.312	1.437	22,000	2.486
BL666	0.750	6x6	0.127	0.717	0.312	1.740	33,000	2.889
BL822	1.000	2x2	0.160	0.913	0.375	0.791	19,000	1.660
BL823	1.000	2x3	0.160	0.913	0.375	0.953	19,000	1.713
BL834	1.000	3x4	0.160	0.913	0.375	1.283	28,500	2.392
BL844	1.000	4x4	0.160	0.913	0.375	1.449	38,000	2.755
BL846	1.000	4x6	0.160	0.913	0.375	1.736	38,000	3.427
BL866	1.000	6x6	0.160	0.913	0.375	2.102	57,000	4.166
BL1022	1.250	2x2	0.192	1.175	0.437	0.937	26,000	2.284
BL1023	1.250	2x3	0.192	1.175	0.437	1.130	26,000	2.856
BL1034	1.250	3x4	0.192	1.175	0.437	1.520	39,000	4.031
BL1044	1.250	4x4	0.192	1.175	0.437	1.717	52,000	4.569
BL1046	1.250	4x6	0.192	1.175	0.437	2.106	52,000	5.671
BL1066	1.250	6x6	0.192	1.175	0.437	2.496	78,000	6.853
BL1088	1.250	8x8	0.192	1.175	0.437	3.276	104,000	9.272
BL1234	1.500	3x4	0.224	1.409	0.500	1.776	51,000	5.846
BL1244	1.500	4x4	0.224	1.409	0.500	2.004	68,000	7.263
BL1246	1.500	4x6	0.224	1.409	0.500	2.461	68,000	8.332
BL1266	1.500	6x6	0.224	1.409	0.500	2.921	102,000	9.944
BL1288	1.500	8x8	0.224	1.409	0.500	3.835	136,000	12.497
BL1434	1.750	3x4	0.251	1.642	0.562	2.016	64,500	7.391
BL1446	1.750	4x6	0.251	1.642	0.562	2.795	86,000	10.213
BL1634	2.000	2x3	0.283	1.902	0.687	2.303	97,500	9.407
BL1644	2.000	4x4	0.283	1.902	0.687	2.598	130,000	11.691
BL1646	2.000	4x6	0.283	1.902	0.687	3.189	130,000	14.580
BL1666	2.000	6x6	0.283	1.902	0.687	3.780	195,000	17.402

Maintenance Tools

Monitor wear, tension, dampen, and replace with ease

Chain Wear Tools

Simplify chain elongation monitoring with Renold's wear indicators. Available in several styles, these guides enable quick inspection without moving the chain. Operating properly maintained chains lengthens the life of sprockets, increases efficiency, and maximizes uptime.

Wear Indicators	Part Number
T-Style	500AAZ537
European Style	chaingaugepre



Wear Indicators



Wear Gauges

Wear Gauges	Part Number
ANSI 60, 12B	100MXZ776
ANSI 80, 16B	100PCH565
ANSI 100, 20B	100NYN182
ANSI 120	100LQM723
ANSI 140	100LQM725
ANSI 160, 32B, 2048	100KVK356
ANSI 180	100LRB936
ANSI 200, 40B	100KVJ885
ANSI 240, 48B	100KVJ481
KIT 1: ANSI 60 - 100	500ABA597
KIT 2: ANSI 120 - 160	500ABA611
KIT 3: ANSI 180 - 240	500ABA612
KIT 4: ANSI 60 - 240	500ABA613

Roll-Ring® Chain Tensioners

These self-adjusting chain tensioners are a simple, yet innovative solution suited for any chain drive orientation. Doubling as dampers, they install in seconds without any tools. They function automatically, are maintenance free, self lubricating, and can be used in dirty environments.



Vibrations in an untensioned chain drive.



The Roll-Ring® chain tensioner tensions and dampens.

Standard Product Range

Part Number	Teeth	Chain Number	OD	ID	Deflection	Elongation
10503001	30	05B	3.014	2.561	0.788	4.098
10603001	30	35	3.589	2.876	0.985	4.807
10603601	36	35	4.295	3.526	0.985	5.634
10802601	26	40	4.023	3.329	0.946	5.351
10803001	30	40	4.787	3.861	1.103	6.367
10803401	34	40	5.418	4.547	1.182	6.501
11002601	26	50	5.059	4.137	1.103	6.028
11003001	30	50	5.831	4.909	1.300	6.974
11003401	34	50	6.698	5.555	1.497	8.550
11202601	26	60	6.107	5.027	1.379	8.254
11203001	30	60	7.179	5.713	1.576	9.523
11203401	34	60	8.176	6.678	1.773	10.441
11602601	26	80	8.156	6.580	1.773	10.599
11603001	30	80	9.685	7.959	1.970	12.056
12003001	30	100	11.966	9.614	2.364	15.366

Rivet Extractors for Chain Breaking

Screw-operated extractors break chain by forcing Renold's end-softened bearing pins out of the outer link plates. Typically, other brands of chains require that the rivet swell be ground away.



Part Number	Pitch	
	ANSI	British Standard
10101	.375 to .625	.375 to .625
10102	0.75 to 1.00	0.75 to 1.00
311502	1.25 to 2.00	1.25 to 2.00
311503	2.00 to 4.00	2.00 to 4.00

Hydraulic Chain Assembly/Disassembly Tool

Speed up maintenance, increase efficiency, and improve safety with Renold's Hydraulic Chain Assembly/Disassembly Tool.

Fast

Break even the most stubborn chains in ~2 minutes with a hydraulic pump, powerful 10-ton cylinder, and hardened steel pins.

Simple

Weighing only 26 lbs, it comes with instructions and all components needed to start breaking chains within minutes.

Safe

Reduce hand and back injuries by eliminating channel lock and hammer techniques.

Versatile

Use one tool on dozens of chains with interchangeable pins and pin cavities.



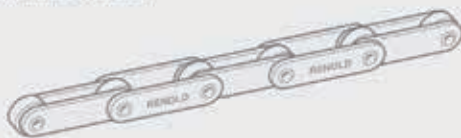
Call for more information on the Hydraulic Chain Assembly/Disassembly Tool
+1 (800) 251-9012

Conveyor Chain Types & Details

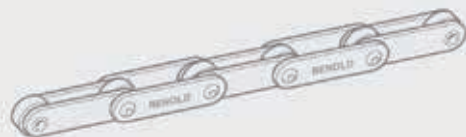
Renold precision conveyor chains are manufactured to several different international standards, including British Standard (BS), ISO Standard, and DIN Standard.

For each strength of conveyor chain, there are a range of available pitches. The minimum pitch is governed by the need for adequate sprocket tooth strength, and the maximum pitch is usually dictated by chain rigidity.

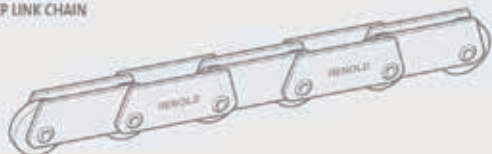
HOLLOW BEARING PIN CHAIN



SOLID BEARING PIN CHAIN



DEEP LINK CHAIN



CHAIN ROLLERS



Hollow Bearing Pin Chain

Hollow bearing pin type chain enables easy attachment to outer links by bolting through the hollow pins and is suitable for use in all normal conditions. The attachments may be bolted tightly or held loosely. Bolted attachments should only span outer links, as an attachment spanning inner links would impair the chain's movement.

Solid Bearing Pin Chain

Solid bearing pin chains have the exact same gearing dimensions as hollow pin chains (pitch, inside width, roller diameter). However, they are more robust and are recommended for use in arduous applications.

Deep Link Chain

Deep link chains have side plates with greater depth that provide a continuous carrying edge above the rollers. Both hollow and solid-bearing pin versions are available.

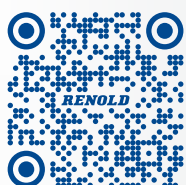
Chain Rollers

Generally, a chain with rollers is recommended, but a bush chain (chain without rollers) can be used for specific applications.

Small, large, and flanged rollers in a variety of sizes and materials are available. Consult the Renold team for advice on which combination is best for your application.

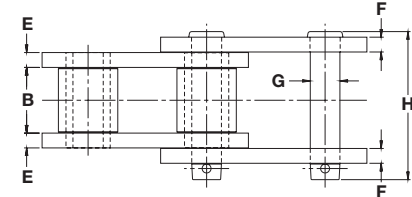
Standard and Deep Link Conveyor Chains

Pitch	Pin Type	International Standard	Breaking Load		Roller Chain # (Standard)	Mass	Roller Chain # (Deep Link)	Mass
in			lbs	Newtons		lbs/ft		lbs/ft
1.50	Hollow	British (BS)	4,500	20,000	198028	1.34	Unavailable	
2.00	Hollow	British (BS)	4,500	20,000	198030	1.11	Unavailable	
2.00	Hollow	British (BS)	6,000	27,000	105080/12	2.35	107080/12	3.04
2.00	Solid	British (BS)	7,500	33,000	145080/12	2.65	167080/12	3.34
2.00	Hollow	Extra Strength (BS)	12,000	54,000	102080/16	2.35	Unavailable	
2.00	Solid	Extra Strength (BS)	15,000	67,000	162080/16	2.65	Unavailable	
2.48	Solid	ISO	9,000	40,000	B60040/63	1.54	B67040/63	2.08
2.48	Solid	ISO	12,600	56,000	B60060/63	2.35	Unavailable	
2.50	Hollow	British (BS)	4,500	20,000	198033	0.98	Unavailable	
3.00	Hollow	British (BS)	4,500	20,000	198039	0.90	Unavailable	
3.00	Hollow	British (BS)	6,000	27,000	105120/12	1.94	107120/12	2.57
3.00	Solid	British (BS)	7,500	33,000	145120/12	2.14	167120/12	2.78
3.00	Hollow	British (BS)	12,000	54,000	105121/12	4.66	107121/12	5.31
3.00	Hollow	Extra Strength (BS)	12,000	54,000	102120/16	1.94	Unavailable	
3.00	Solid	British (BS)	15,000	67,000	145121/12	5.12	167121/12	5.77
3.00	Solid	Extra Strength (BS)	15,000	67,000	162120/16	2.14	Unavailable	
3.00	Hollow	Extra Strength (BS)	24,000	107,000	102121/16	4.66	Unavailable	
3.00	Solid	Extra Strength (BS)	30,000	134,000	162121/16	5.12	Unavailable	
3.15	Hollow	ISO	12,600	56,000	B50060/80	2.47	B57060/80	3.16
3.15	Solid	ISO	18,000	80,000	B60080/80	3.03	B67080/80	4.02
3.94	Solid	ISO	25,200	112,000	B60110/100	3.76	B67110/100	5.56
3.94	Hollow	ISO	25,200	112,000	B50110/100	5.11	B57110/100	6.91
4.00	Hollow	British (BS)	6,000	27,000	105160/12	1.73	107160/12	2.35
4.00	Solid	British (BS)	7,500	33,000	145160/12	1.88	167160/12	2.49
4.00	Hollow	British (BS)	12,000	54,000	105161/12	3.97	107161/12	4.60
4.00	Hollow	Extra Strength (BS)	12,000	54,000	102160/16	1.73	Unavailable	
4.00	Solid	British (BS)	15,000	67,000	145161/12	4.32	167161/12	4.95
4.00	Solid	Extra Strength (BS)	15,000	67,000	162160/16	1.88	Unavailable	
4.00	Hollow	British (BS)	24,000	107,000	105162/12	8.56	107162/12	9.99
4.00	Hollow	Extra Strength (BS)	24,000	107,000	102161/16	3.97	Unavailable	
4.00	Solid	British (BS)	30,000	134,000	145162/12	9.56	167162/12	10.98
4.00	Solid	Extra Strength (BS)	30,000	134,000	162161/16	4.32	Unavailable	
4.00	Hollow	Extra Strength (BS)	48,000	213,500	102162/12	8.56	Unavailable	
4.00	Solid	Extra Strength (BS)	60,000	267,000	162162/12	9.56	Unavailable	
4.92	Solid	ISO	36,000	160,000	B60160/125	5.71	B67160/125	
4.92	Solid	ISO	50,400	224,000	B60220/125	8.27	Unavailable	
6.00	Hollow	British (BS)	6,000	27,000	105240/12	1.53	107240/12	2.11
6.00	Hollow	British (BS)	12,000	54,000	105241/12	3.29	107241/12	3.90
6.00	Hollow	Extra Strength (BS)	12,000	54,000	102240/16	1.53	Unavailable	
6.00	Solid	British (BS)	15,000	67,000	145241/12	3.52	167241/12	4.13
6.00	Solid	Extra Strength (BS)	15,000	67,000	162240/16	1.63	Unavailable	
6.00	Hollow	British (BS)	24,000	107,000	105242/12	7.33	107242/12	8.68
6.00	Hollow	Extra Strength (BS)	24,000	107,000	102241/16	3.29	Unavailable	
6.00	Solid	British (BS)	30,000	134,000	145242/12	7.51	167242/12	8.86
6.00	Solid	Extra Strength (BS)	30,000	134,000	162241/16	3.52	Unavailable	
6.00	Hollow	Extra Strength (BS)	48,000	213,500	102242/12	7.33	Unavailable	
6.00	Solid	Extra Strength (BS)	60,000	267,000	162242/12	7.51	Unavailable	
6.30	Hollow	ISO	50,400	224,000	B50220/160	8.37	B57220/160	13.03
6.30	Solid	ISO	70,800	315,000	B60320/160	12.90	Unavailable	

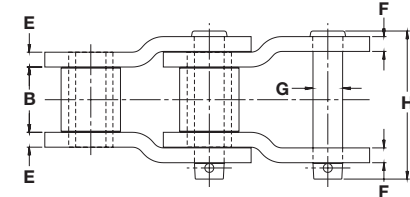


Scan here for information on alternate rollers,
attachments, or other variations.

Drive Chain



Style S (Straight Sidebar)

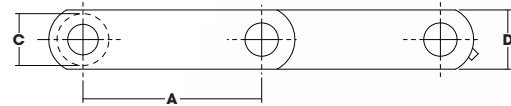
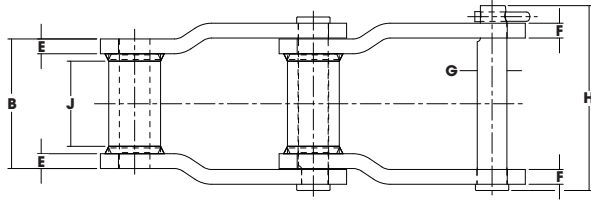


Style O (Offset Sidebar)

Engineered Class Drive Chain

Chain No.	Sidebar Style	Pitch	Inner Width	Roller/Bush Diameter	Plate Height	Plate Thickness	Pin Diameter	Pin Length	Average Ultimate Strength	Rated Working Load	Weight
		in	in	in	in	in	in	in	lbs	lbs	lbs/ft
		A	B	C	D	E/F	G	H			
2570	O	2.500	1.500	1.250	1.750	0.310	0.625	3.360	71,000	4,650	8.70
882	O	2.609	1.125	0.875	1.125	0.250	0.438	2.560	26,000	2,500	3.60
3011	O	3.067	1.563	1.625	2.250	0.375	0.750	3.750	113,000	6,100	13.10
1031	O	3.075	1.500	1.250	1.625	0.313	0.625	3.360	48,000	4,650	7.00
3075	O	3.075	1.500	1.250	1.750	0.375	0.650	3.660	73,000	5,100	9.00
3514	O	3.500	1.500	1.750	2.250	0.500	0.875	4.325	140,000	7,700	17.30
4414	O	4.000	2.750	2.250	2.750	0.500	1.250	5.890	116,000	16,000	25.00
4014	O	4.063	1.938	1.750	2.250	0.500	0.875	4.703	140,000	9,000	15.40
1245	O	4.073	1.940	1.781	2.375	0.563	0.940	5.060	170,000	10,000	18.70
4522	O	4.500	2.063	2.250	3.000	0.560	1.100	5.310	220,000	12,300	25.00
5031	O	5.000	2.750	2.500	3.500	0.625	1.250	6.234	280,000	17,500	33.72
6042	O	6.000	3.000	3.000	4.000	0.750	1.500	7.190	420,000	23,700	46.80
6056	S	6.000	3.250	3.500	5.000	0.875	1.750	7.940	550,000	30,000	72.00
6555	O	6.500	3.250	3.500	5.000	0.875	1.748	7.938	600,000	30,500	66.00
7055	O	7.000	3.250	3.500	5.000	0.875	1.750	8.000	600,000	30,500	65.00
7080	S	7.000	3.250	4.500	6.000	0.875	2.120	8.060	800,000	48,000	66.00

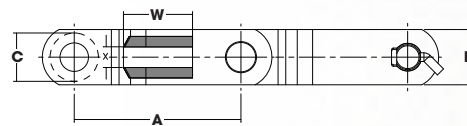
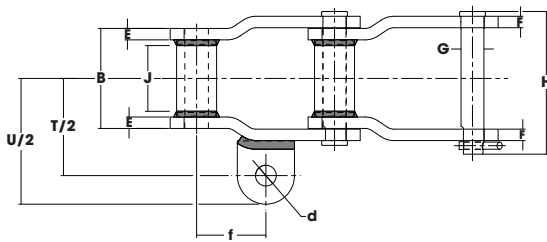
Welded Steel Mill Chain



Engineered Class Welded Steel Mill Chain

Chain No.	Pitch	Bearing Length	Barrel Diameter	Plate Height	Plate Thickness	Pin Diameter	Pin Length	Max. Sprocket Width	Average Ultimate Strength	Rated Working Load	Weight
	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E/F	G	H	J			
WH78	2.609	2.000	0.875	1.125	0.250	0.500	3.046	1.125	30,000	3,500	3.90
WH82	3.075	2.250	1.063	1.250	0.250	0.563	3.342	1.250	35,000	4,400	4.80
WH124*	4.000	2.750	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	7.70
WH111	4.760	3.375	1.250	1.500	0.375	0.750	4.780	2.000	63,500	8,850	9.50
WHX106	6.000	2.812	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	6.41
WH110	6.000	3.000	1.250	1.500	0.375	0.750	4.473	1.750	60,000	7,850	6.70
WH132*	6.050	4.375	1.750	2.000	0.500	1.000	6.241	2.750	100,000	15,300	13.85
WH150*	6.050	4.375	1.750	2.500	0.500	1.000	6.241	2.750	140,000	15,300	15.60
WHX155	6.050	4.500	1.750	2.500	0.563	1.125	6.516	2.750	190,000	17,000	18.35
WHX157	6.050	4.625	1.750	2.500	0.625	1.125	6.829	2.750	175,000	20,000	29.82

* Also available as WHX variation.



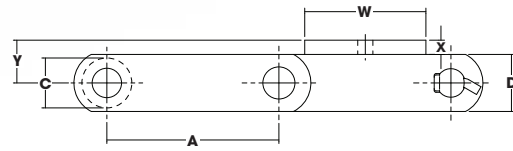
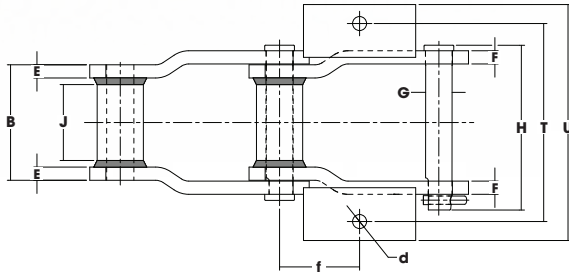
A-22 & A-42 Welded Steel Mill Chain Attachments**

Chain No.	Pitch	Bearing Length	Barrel Diam.	Plate Height	Plate Thick.	Pin Diam.	Pin Length	Max. Sprocket Width	Average Ultimate Strength	Rated Working Load	Plain Chain Weight	CL Chain to CL Attach. Hole	CL Chain to End of Attach.	Attach. Thick.	Bolt Size	CL Pin to CL Attach. Hole	Attach. Width
	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft	in	in	in	in	in	in
	A	B	C	D	E/F	G	H	J				T/2	U/2	X	d	f	W
WH78	2.609	2.000	0.875	1.125	0.250	0.500	3.046	1.125	30,000	3,500	3.90	2.250	2.875	0.500	0.656	1.438	1.500
WH82	3.075	2.250	1.063	1.250	0.250	0.563	3.342	1.250	35,000	4,400	4.80	2.500	3.125	0.375	0.563	1.531	1.500
WH124*	4.000	2.750	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	7.70	2.875	3.625	0.500	0.656	2.000	1.500
WH132*	6.050	4.375	1.750	2.000	0.500	1.000	6.241	2.750	100,000	15,300	13.85	4.250	5.500	0.750	0.906	3.031	2.500
WHX155	6.050	4.500	1.750	2.500	0.563	1.125	6.516	2.750	190,000	17,000	18.35	5.250	6.250	0.750	1.063	3.000	2.000
WHX157	6.050	4.625	1.750	2.500	0.625	1.125	6.829	2.750	175,000	20,000	29.82	***	***	***	***	***	***

* Also available as WHX variation.

** Other attachment holes available.

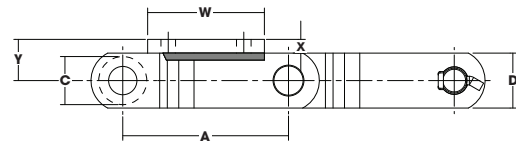
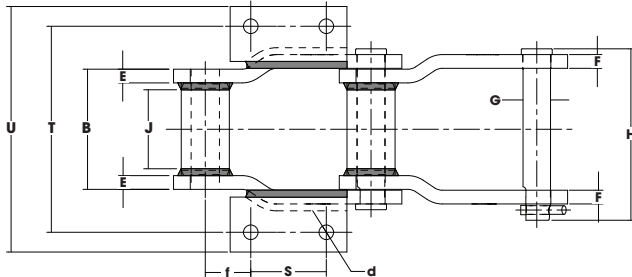
*** Consult Factory.



K-1 Welded Steel Mill Chain Attachments

Chain No.	Pitch	Bearing Length	Barrel Diam.	Plate Height	Plate Thick.	Pin Diam.	Pin Length	Max. Sprocket Width	Average Ultimate Strength	Rated Working Load	Plain Chain Weight	Attach. Hole Centers	Overall Attach. Width	Bolt Size	CL Pin to CL Hole	Attach. Width	Attach. Thick.	Height Above CL
	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft	in	in	in	in	in	in	in
	A	B	C	D	E/F	G	H	J				T	U	d	f	W	X	Y
WH78	2.609	2.000	0.875	1.125	0.250	0.500	3.046	1.125	30,000	3,500	3.90	4.000	5.000	0.375	1.265	2.000	0.250	0.813
WH82	3.075	2.250	1.063	1.250	0.250	0.563	3.342	1.250	35,000	4,400	4.80	4.250	5.500	0.375	1.497	1.750	0.250	0.875
WH124*	4.000	2.750	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	7.70	5.250	6.375	0.625	1.812	2.000	0.375	1.125
WH111	4.760	3.375	1.250	1.500	0.375	0.750	4.780	2.000	63,500	8,850	9.50	6.250	7.500	0.500	2.385	3.500	0.375	1.125

* Also available as WHX variation.

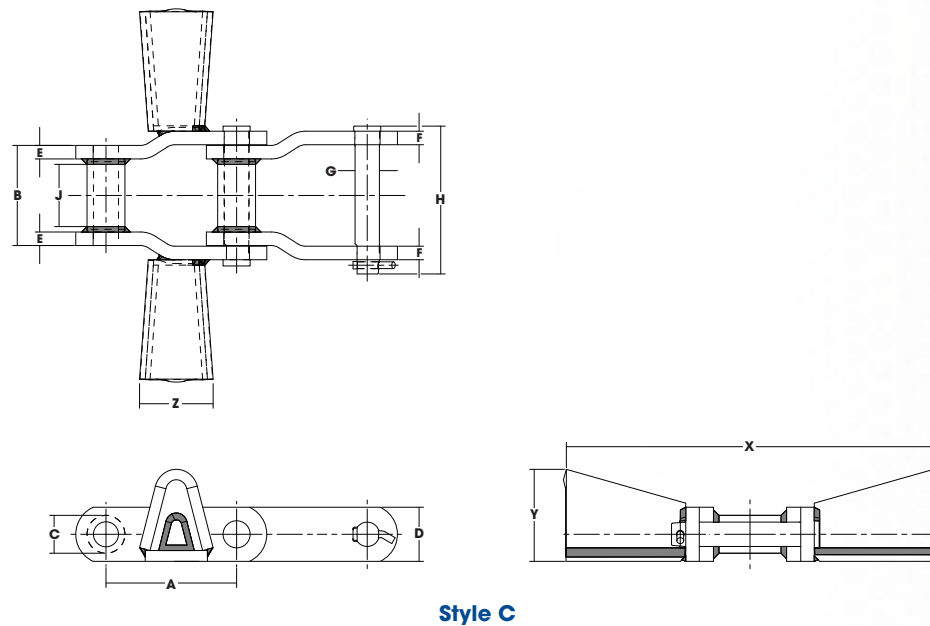
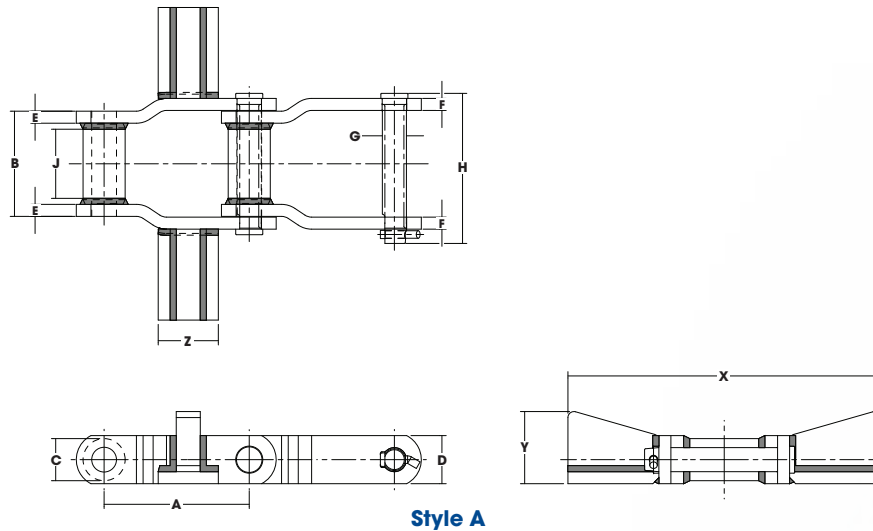


K-2 Welded Steel Mill Chain Attachments

Chain No.	Pitch	Bearing Length	Barrel Diam.	Plate Height	Plate Thick.	Pin Diam.	Pin Length	Max. Sprocket Width	Average Ultimate Strength	Rated Working Load	Plain Chain Weight	Attach. Hole Centers	Overall Attach. Width	Bolt Size	CL Pin to CL Hole	Attach. Hole Centers	Attach. Width	Attach. Thick.	Height Above CL
	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft	in	in	in	in	in	in	in	in
	A	B	C	D	E/F	G	H	J				T	U	d	f	S	W	X	Y
WH78	2.609	2.000	0.875	1.125	0.250	0.500	3.046	1.125	30,000	3,500	3.90	4.000	5.000	0.375	1.078	1.125	2.000	0.250	0.812
WH82	3.075	2.250	1.063	1.250	0.250	0.563	3.342	1.250	35,000	4,400	4.80	4.250	5.500	0.375	**	1.312	2.438	0.250	0.875
WH124*	4.000	2.750	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	7.70	5.250	6.375	0.375	1.187	1.938	3.000	0.375	1.125
WH111	4.760	3.375	1.250	1.500	0.375	0.750	4.780	2.000	63,500	8,850	9.50	6.250	7.500	0.500	1.219	2.312	3.500	0.375	1.125
WHX106	6.000	2.812	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	6.41	5.312	6.625	0.375	2.125	1.750	3.000	0.375	1.000
WH110	6.000	3.000	1.250	1.500	0.375	0.750	4.473	1.750	60,000	7,850	6.70	5.312	7.225	0.375	2.125	1.750	3.219	0.375	1.000
WH132*	6.050	4.375	1.750	2.000	0.500	1.000	6.241	2.750	100,000	15,300	13.85	7.500	9.125	0.500	1.656	2.750	4.000	0.500	1.250
WH150*	6.050	4.375	1.750	2.500	0.500	1.000	6.241	2.750	140,000	15,300	15.60	7.500	9.125	0.500	1.656	2.750	4.000	0.500	1.500
WH157	6.050	4.625	1.750	2.500	0.625	1.125	6.829	2.750	175,000	20,000	29.82	8.000	9.625	0.500	1.656	2.750	4.000	0.500	1.750

* Also available as WHX variation.

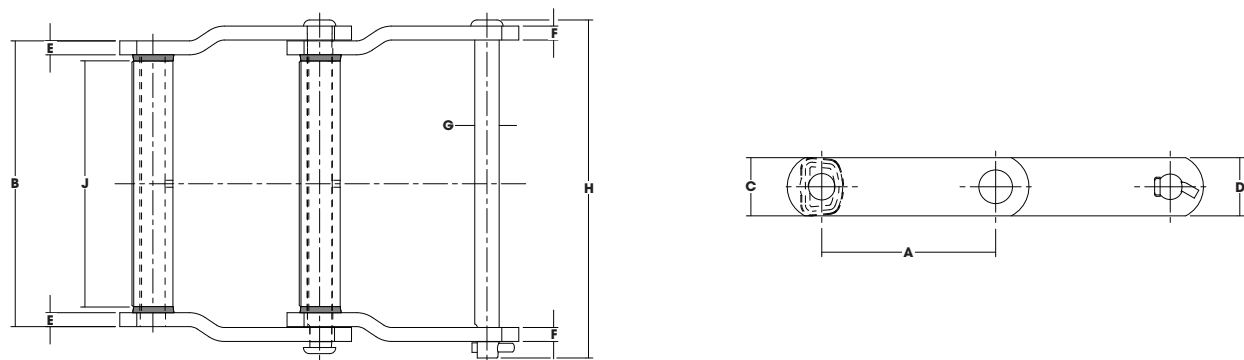
**Consult Factory



Welded Steel Mill Chain Cradle Attachments

Chain No.	Pitch	Bearing Length	Barrel Diam.	Plate Height	Plate Thick.	Pin Diam.	Pin Length	Max. Sprocket Width	Average Ultimate Strength	Rated Working Load	Weight	Style A Overall Width	Style A Max Height	Style A Cradle Width	Style C Overall Width	Style C Max Height	Style C Cradle Width
	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft	in	in	in	in	in	in
	A	B	C	D	E/F	G	H	J				X	Y	Z	X	Y	Z
WH124	4.000	2.750	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	7.70	**	**	**	**	**	**
WHX124	4.000	2.750	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	7.70	**	**	**	**	**	**
WH111	4.760	3.375	1.250	1.500	0.375	0.750	4.780	2.000	63,500	8,850	9.50	**	**	**	**	**	**
WHX106	6.000	2.812	1.250	1.500	0.375	0.750	4.285	1.500	60,000	7,350	6.41	**	**	**	**	**	**
WH132	6.050	4.375	1.750	2.000	0.500	1.000	6.241	2.750	100,000	15,300	13.85	**	**	**	**	**	**
WHX132	6.050	4.375	1.750	2.000	0.500	1.000	6.241	2.750	100,000	15,300	13.85	11.000	4.000	2.500	13.000	3.000	2.500
WH150	6.050	4.375	1.750	2.500	0.500	1.000	6.241	2.750	140,000	15,300	15.60	**	**	**	**	**	**
WHX150	6.050	4.375	1.750	2.500	0.500	1.000	6.241	2.750	140,000	15,300	15.60	**	**	**	**	**	**
WHX155	6.050	4.500	1.750	2.500	0.563	1.125	6.516	2.750	190,000	17,000	18.35	**	**	**	**	**	**
WHX157	6.050	4.625	1.750	2.500	0.625	1.125	6.829	2.750	175,000	20,000	29.82	13.000	3.500	2.500	17.000	4.250	3.399

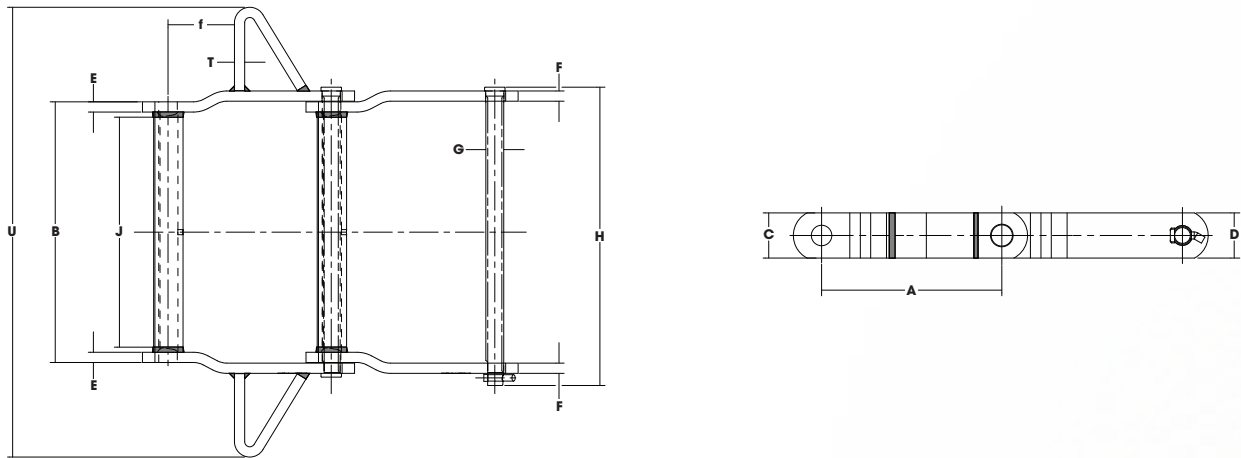
Welded Steel Drag Chain



Engineered Class Welded Steel Drag Chain

Chain No.	Pitch	Bearing Length	Barrel Diameter	Plate Height	Plate Thickness	Pin Diameter	Pin Length	Max. Sprocket Width	Average Ultimate Strength	Rated Working Load	Weight
	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E/F	G	H	J			
WDH102	5.000	7.750	1.500	1.500	0.375	0.750	9.250	6.250	60,000	10,000	12.00
WDH104	6.000	5.375	1.500	1.500	0.375	0.750	6.922	4.000	60,000	10,000	8.60
WDH110	6.000	10.375	1.500	1.500	0.375	0.750	11.875	9.000	60,000	10,000	11.35
WDH120	6.000	10.125	2.000	2.000	0.500	0.875	12.060	8.500	90,000	15,000	19.44
WDH112	8.000	10.375	1.500	1.500	0.375	0.750	11.875	9.000	60,000	10,000	22.95
WDH116	8.000	14.125	1.670	1.750	0.375	0.750	15.625	12.750	69,000	11,500	16.00
WDH122	8.000	10.125	2.000	2.000	0.500	0.875	12.063	8.500	90,000	15,000	18.00
WDH480	8.000	12.750	2.000	2.000	0.500	0.875	14.563	11.000	90,000	15,000	18.62



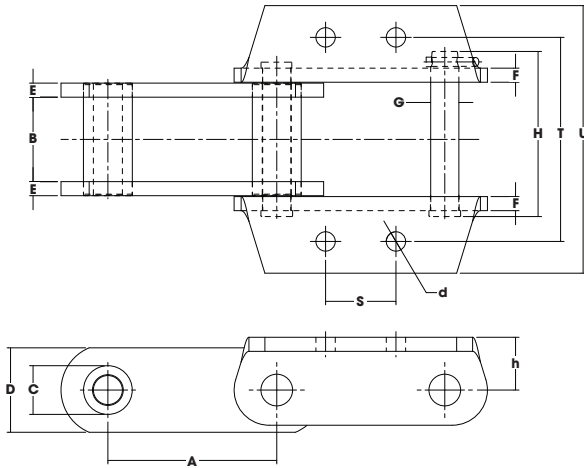


Welded Steel Drag Chain Wing Attachments

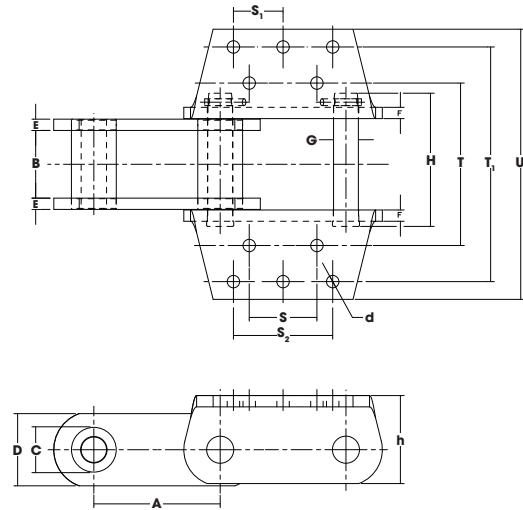
Chain No.	Pitch	Bearing Length	Barrel Diam.	Plate Height	Plate Thick.	Pin Diam.	Pin Length	Max. Sprocket Width	Average Ultimate Strength	Rated Working Load	Weight	Wing Width	Wing Thick.	Pin CL to Wing Edge
	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft	in	in	in
	A	B	C	D	E/F	G	H	J				U	T	f
WDH102	5.000	7.750	1.500	1.500	0.375	0.750	9.250	6.250	60,000	10,000	12.00	13.250 & 14.375	0.375	1.750
WDH104	6.000	5.375	1.500	1.500	0.375	0.750	6.922	4.000	60,000	10,000	8.60	11.000 & 12.000	0.375	2.500
WDH110	6.000	10.375	1.500	1.500	0.375	0.750	11.875	9.000	60,000	10,000	11.35	15.000 - 24.000	0.375 & 0.500	1.875 & 2.500
WDH120	6.000	10.125	2.000	2.000	0.500	0.875	12.060	8.500	90,000	15,000	19.44	15.000 - 22.000	0.500	2.125, 2.500, & 2.750
WDH112	8.000	10.375	1.500	1.500	0.375	0.750	11.875	9.000	60,000	10,000	22.95	17.000 & 24.000	0.375	3.000 & 3.250
WDH116	8.000	14.125	1.670	1.750	0.375	0.750	15.625	12.750	69,000	11,500	16.00	22.000 & 29.000	0.375	3.000
WDH122	8.000	10.125	2.000	2.000	0.500	0.875	12.063	8.500	90,000	15,000	18.00	17.000 & 22.000	0.500	3.000
WDH480	8.000	12.750	2.000	2.000	0.500	0.875	14.563	11.000	90,000	15,000	18.62	17.000 - 32.000	0.500	2.625, 2.750, & 3.000



Bucket Elevator Chain



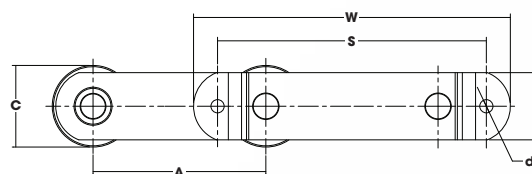
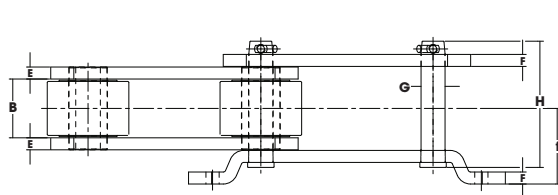
K-2/K-24 Attachment



K-44/K443 Attachment

Bucket Elevator Chain – Standard Capacity

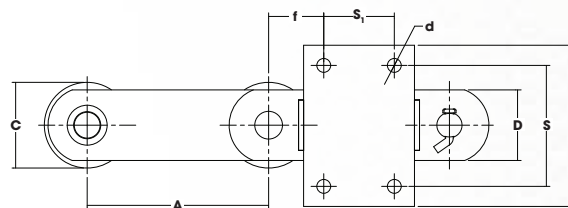
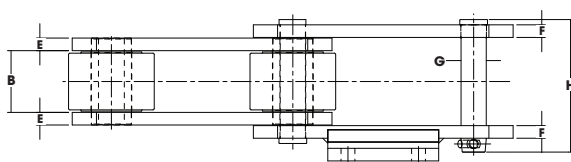
Chain No.	Pitch	Inside Width	Knuckle Bushing Diam.	Plate Height	Plate Thick.	Pin Diam.	Attachment	Inner Attach. Hole Centers	Outer Attach. Hole Centers	Overall Attach. Width	Bolt Size	Attach. Height	Attach. Hole Centers	Rated Working Load	Ultimate Strength	Weight Per Foot
	in	in	in	in	in	in		in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E/F	G		T	T ₁	U	d	h	S/S ₁ /S ₂			
6188	2.609	1.062	0.875	1.125	0.250	0.500	K2	3.750	4.188	5.156	0.344	0.812	1.250	2,730	26,000	4.4
6102	4	2.125	1.000	1.500	0.375	0.625	K3	4.750	5.312	6.875	0.406	1.000	1.750	6,500	49,000	7.9
6111	4.76	2.625	1.438	2.000	0.375	0.750	K2	6.250	-	7.750	0.531	1.500	2.313	8,850	50,000	11.8
6138	6	2.625	1.438	2.000	0.375	0.750	K2	6.250	-	7.780	0.531	1.500	2.313	8,800	99,000	11.4
6844-M	6	2.500	0.995	2.000	0.500	0.750	K2	6.561	-	8.755	0.531	1.250	2.750	9,200	84,000	13.1
6856-M	6	3.000	1.750	2.500	0.500	1.000	K24	7.250	-	9.562	0.656	1.875	2.500	14,000	100,000	19.2
6110	6	2.156	1.250	1.750	0.375	0.625	K2	5.313	-	6.531	0.406	1.125	1.750	6,200	63,500	8.3
6956-PB	6	3.000	1.750	3.000	0.500	1.000	K24	7.250	-	9.506	0.688	1.875	2.500	14,000	144,500	23.4
6867-R	6	3.000	1.750	3.250	0.500	1.000	K443	7.000	12.000	14.000	0.563	2.500	3.500	14,000	170,000	29.5
6869-R	6	3.719	2.375	4.000	0.625	1.250	K443	9.000	13.000	15.000	0.688	3.000	2.750/4.500	22,000	267,000	48.2
6958-PB	6	3.000	1.987	3.250	0.625/500	1.125	K443	7.000	12.000	13.757	0.563	2.500	3.500	17,000	181,800	34.3
6150	6.05	3.313	1.750	2.500	0.500	1.000	K2	7.500	-	9.313	0.531	1.875	2.750	15,000	124,000	19.7
6864-R	7	3.719	2.375	4.000	0.625	1.250	K443	9.000	13.000	15.000	0.688	3.000	3.75/2.75/5.5	22,000	267,000	44.0
6684-R	7	3.750	2.500	4.000	0.625	1.375	K443	9.000	13.000	15.000	0.688	3.000	3.75/2.75/5.5	24,000	270,000	47.5

**G-100/G-5**

Bucket Elevator Chain – Super Capacity

Chain No.	Pitch	Inside Width	Roller Diam.	Plate Height	Plate Thick.	Pin Diam.	Pin Length	Bolt Size	CL Chain to End of Attach.	Attach. Hole Centers	Attach. Length	Rated Working Load	Ultimate Strength	Weight Per Foot
	in	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E/F	G	H	d	f	S	W			
3252-PR	9	2.63	3	2.5	0.5	1	5.491	0.688	3.36	14	16.5	12,650	1,116,000	18.8
4035-PB	9	3.156	3.5	3	0.5	1.125	6.093	0.688	3.594	14	16	16,400	131,700	26.3
4065	9	3.06	4.25	3.5	0.625	1.25	6.573	0.688	3.938	14	16.5	19,000	215,000	37.7
4037-PB	9	3.25	4.5	4	0.625	1.5	6.935	0.813	3.906	15.25	17.5	27,000	253,000	45.2

Offset sidebars available

**G-9**

Bucket Elevator Chain – Super Capacity

Chain No.	Pitch	Inside Width	Roller Diam.	Plate Height	Plate Thick.	Pin Diam.	Pin Length	Bolt Size	Attach. Height	CL Pin to CL Hole	Attach. Hole Centers	Rated Working Load	Ultimate Strength	Weight Per Foot
	in	in	in	in	in	in	in	in	in	in	in	lbs	lbs	lbs/ft
	A	B	C	D	E/F	G	H	d	e	f	S/S ₁			
6859-R*	9	2.5	1.75	2.5	0.5	1	5.366	0.656	6	3.25	4/3.5	14,000	130,000	16.4
6881-AR*	9	3	2.38	3.5	0.625	1.5	6.563	0.656	8	2.75	5.5/3.5	24,500	260,000	32.9
6889-PB*	9	2.75	2.75	4	0.625	1.625	6.188	0.688	7.5	2.5	6/4	26,000	259,000	34.5
4065	9	3.06	4.25	3.5	0.625	1.25	6.573	0.688	8	2.75	6/3.5	19,000	215,000	40.9

* Denotes offset sidebar and stud bushing.

RENOLD

Quick Reference Catalog

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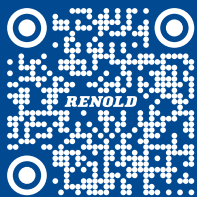
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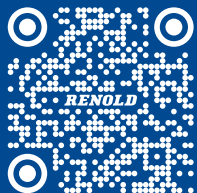
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