

RENOLD

Welded Steel Chain



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The highest standards for reliability and innovation.

- Superior Wear Life
- Maximum Strength
- Reduced Downtime

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- Maximum Strength
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Rugged, Reliable Performance

Reduce problems and increase production with Renold Jeffrey Engineering Class Chains. Our complete line of Welded Steel Chains are made for applications subject to punishing conditions such as high shock loads, dust and debris, conveying up steep inclines and lifting heavy loads.

Quality from Start to Finish

Renold Jeffrey Welded Steel Chains start with ASTM Certified American Steel to ensure that our finished chain quality is second to none. Our construction process includes numerous steps to increase the hardness of our pins, plates and rollers. Renold Jeffrey uses only the best materials, processes and designs to build chains that outlast the competition in harsh, demanding environments.

Superior Wear Life

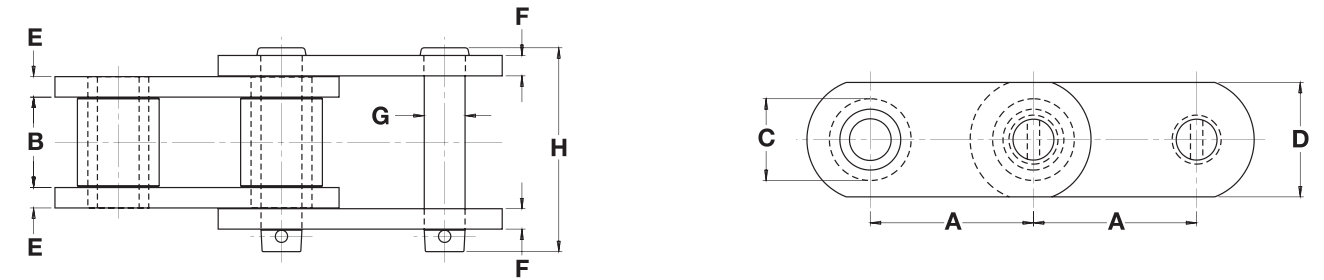
Chain wear life is directly affected by the hardness of its components. Simply put, the harder the parts, the longer the wear life. Product engineers at Renold Jeffrey's state-of-the-art manufacturing facility in Morristown, TN, use computer-controlled furnaces and induction heat-treating equipment to achieve precision tolerances and the hardest possible wear surfaces. That means Renold Jeffrey Welded Steel Chains have the necessary toughness to resist extreme shock loads and exceed the highest industry standards for wear life and durability.

Maximum Strength

Controls and processes are key to Renold Jeffrey's mission to create stronger, more durable chain. Interference fits between pin and sidebar holes greatly increases fatigue life to make our chains last longer. Proper welding, stress relieving and heat treatment are important parts of what goes into making Renold Jeffrey the most trusted name in the industry.

Reduced Downtime

Decades of research, development and testing means you can count on Renold Jeffrey Chains to work harder and last longer than the competition. We've seen many chain manufacturers come and go over the past 100 years. Our highly trained sales and engineering teams have the experience and the desire to help develop chain solutions that increase your plant's productivity.

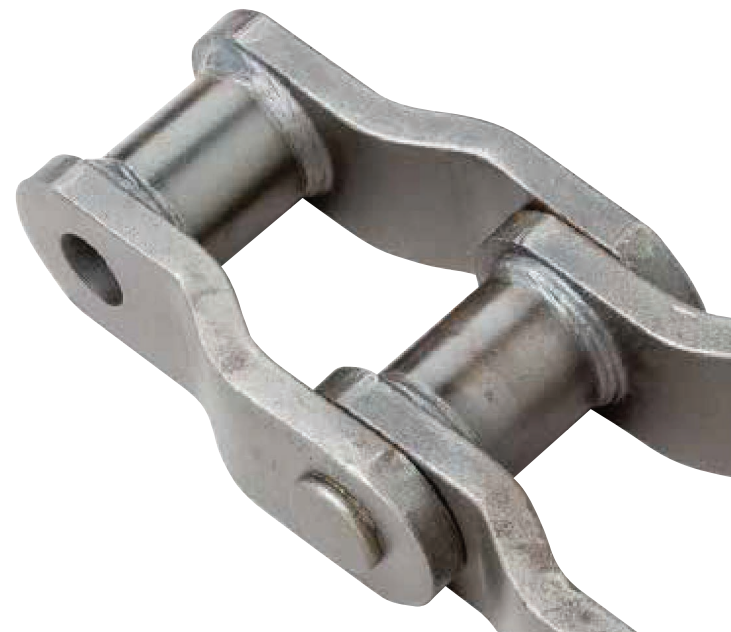


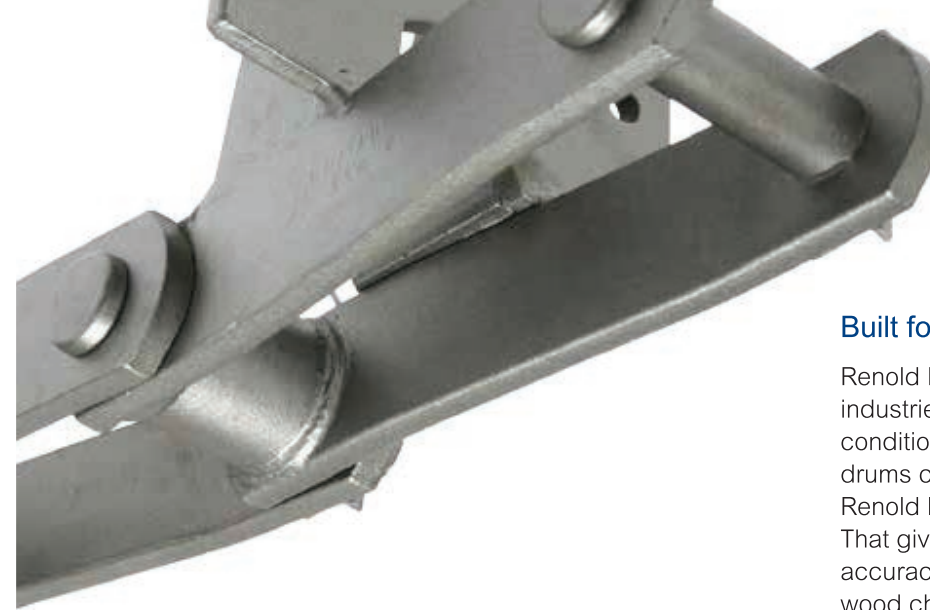
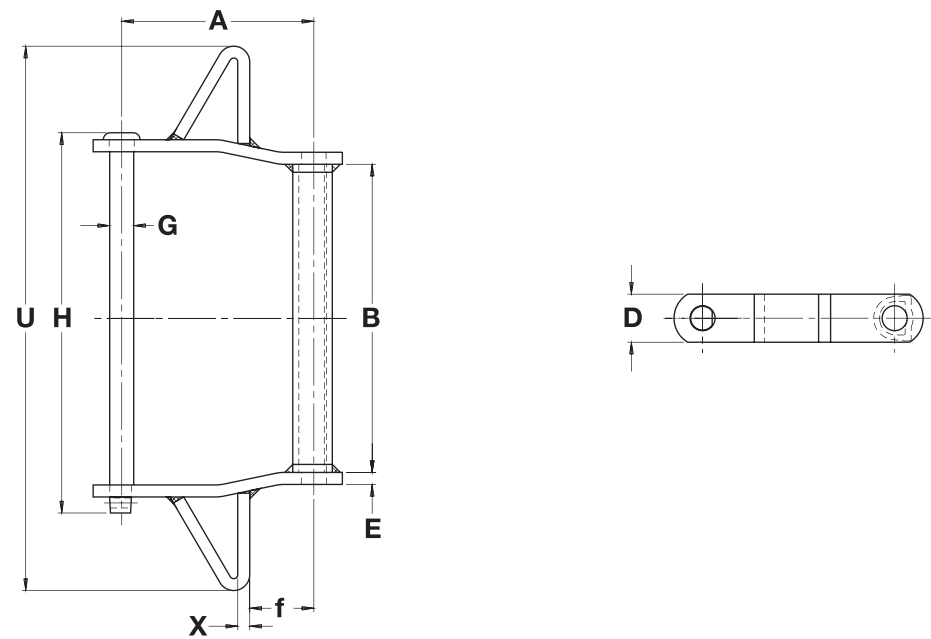
Engineering Class 81X Conveyor Chain

Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inner Width Max	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Average Ultimate Strength	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	Lbs	Lbs	Lbs/Ft
81X	2.609	1.062	0.906	1.125	0.156	0.156	0.437	2.078	25,000	*	2.40
81XH	2.609	1.062	0.906	1.265	0.312	0.219	0.437	2.531	40,000	*	3.50
81XHH	2.609	1.062	0.906	1.265	0.312	0.312	0.437	2.690	42,000	*	4.60

* Contact Renold Jeffrey for Rated Working Loads.





Built for Forestry Applications

Renold Engineering Class Chains for the forestry and paper industries are built to move materials in demanding conditions. Equipment such as log decks and debarking drums can cause excessive wear on pin and sidebar edges. Renold heat treats pins and sidebars and carburizes barrels. That gives our chains the strength, wear life and dimensional accuracy to withstand severe impact and abrasion from wood chips, ash and sawdust.

Renold Welded Steel Chains also allow greater operational flexibility than conventional cast chains. Offset sidebars and precision-welded barrels accommodate a wide variety of specialty attachments for use in nearly any application in which cast chains are used.

Contact Renold for rugged Welded Steel Chains designed to excel in forestry, paper mill and saw mill applications.

- Heat-treated pins are available as standard for greater strength and wear life in the toughest applications.
- Pins are press fit to sidebars to eliminate pin hole wear.
- Accurate pin-hole punches and machine-welded barrels ensure high quality and dimensional control.

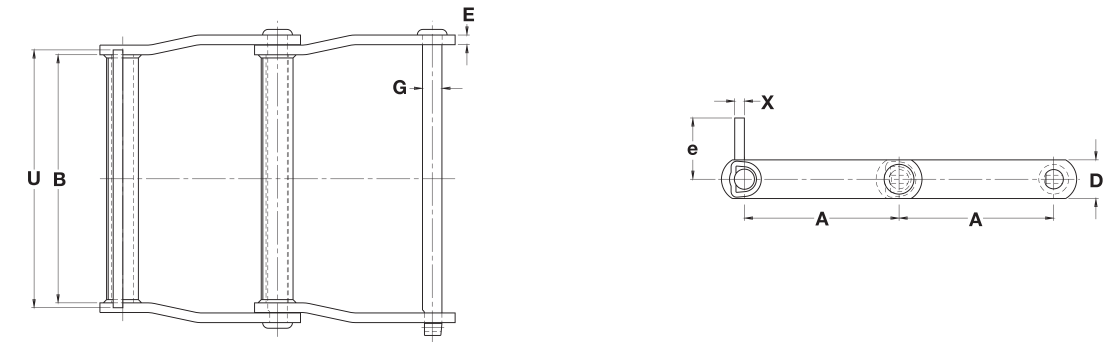
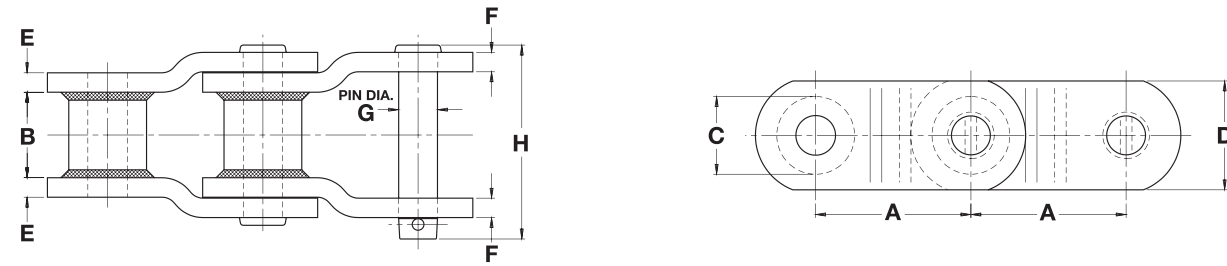
- **81X Conveyor Chains**
- **Welded Steel Mill Chains**
- **Welded Steel Drag Chains**

Welded Steel Drag Chain Wing Attachments

Dimensions are in inches unless otherwise indicated.

Chain No.	A	B	D	E	G	H	U	X	f
WHD102	5.000	6.375	1.500	0.375	0.750	9.250	14.250	0.375	2.000
WHD104	6.000	4.125	1.500	0.375	0.750	6.875	11.500	0.375	2.250
WHD110	6.000	9.000	1.500	0.375	0.750	11.875	17.000	0.375	2.250
WHD112	8.000	9.000	1.500	0.375	0.750	11.875	17.000	0.375	2.250
WHD116	8.000	13.000	1.750	0.375	0.750	15.625	22.031	0.375	2.500
WHD480	8.000	11.125	2.000	0.500	0.875	14.563	22.000	0.500	2.500





Engineering Class Welded Steel Mill Chain

Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inner Width Max	Barrel Diam Max	Plate Height Max	Plate Thick Max	Pin Diam Max	Pin Length Max	Average Ultimate Strength	Rated Working Load	Weight
	A	B	C	D	E/F	G	H	Lbs	Lbs	Lbs/Ft
WH78	2.609	1.500	0.875	1.125	0.250	0.500	3.000	30,000	3,500	3.90
WH82	3.075	1.750	1.219	1.250	0.250	0.563	3.219	35,000	4,400	5.50
WH784	4.000	1.500	0.875	1.125	0.250	0.500	2.953	30,000	3,500	3.30
WH124	4.000	2.060	1.438	1.500	0.375	0.750	4.220	60,000	7,350	8.50
WHX124HD	4.063	2.000	1.625	2.000	0.500	0.875	4.672	90,000	9,150	14.40
WH111	4.760	2.625	1.438	1.500	0.375	0.750	4.750	58,600	8,850	8.40
WH106	6.000	2.063	1.375	1.500	0.375	0.750	4.187	56,500	7,400	6.70
WH110	6.000	2.250	1.250	1.500	0.375	0.750	4.375	60,000	7,850	6.60
WH132	6.050	3.375	1.750	2.000	0.500	1.000	6.172	100,000	13,100	13.50
WHX132								15,300		
WH150	6.050	3.375	1.750	2.500	0.500	1.000	6.172	100,000	13,100	14.50
WHX150								14,500		
WH855	6.050	3.313	1.750	2.500	0.563	1.125	6.563	175,000	17,000	20.50
WHX855		3.375			0.625		6.875	20,000		

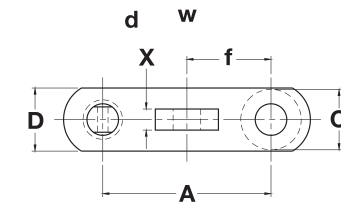
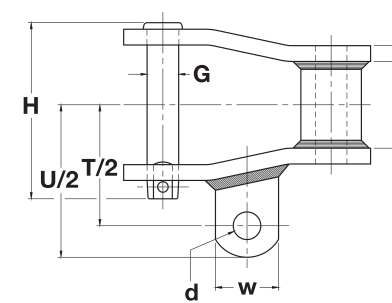
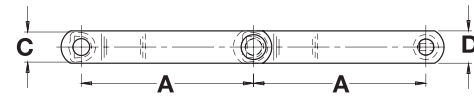
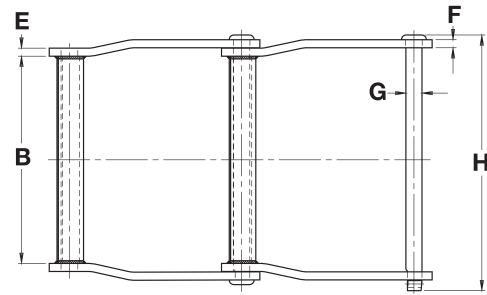
C-Style Welded Steel Drag Chain Attachments

Dimensions are in inches unless otherwise indicated.

Chain No.	Att. Type	A	B	D	E	G	U	X	e
WHD102	C-1	5.000	6.375	1.500	0.375	0.750	7.000	0.375	2.375
WHD104		6.000	4.125	1.500	0.375	0.750	5.000	0.375	2.375
WHD110		6.000	9.000	1.500	0.375	0.750	10.000	0.375	2.375
WHD112		8.000	9.000	1.500	0.375	0.750	10.000	0.375	2.375
WHD116		8.000	13.000	1.750	0.375	0.750	13.000	0.375	2.625
WHD122		8.000	8.750	2.000	0.500	0.875	10.000	0.500	2.000
WHD110	C-3	6.000	9.000	1.500	0.375	0.750	10.000	0.500	2.250
WHD480		8.000	11.125	2.000	0.500	0.875	14.000	0.500	3.000
WHD102	C-4	5.000	6.375	1.500	0.375	0.750	7.000	0.375	3.750
WHD104		6.000	4.125	1.500	0.375	0.750	5.000	0.375	3.750
WHD110		6.000	9.000	1.500	0.375	0.750	10.000	0.375	3.750
WHD112		8.000	9.000	1.500	0.375	0.750	10.000	0.375	3.750
WHD116		8.000	13.000	1.750	0.375	0.750	13.000	0.375	4.813
WHD480		8.000	11.125	2.000	0.500	0.875	14.000	0.500	5.000

Contact Renold for weight specifications and for verification as dimensions are subject to change.





Engineering Class Welded Steel Drag Chain

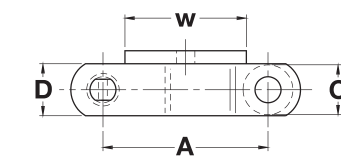
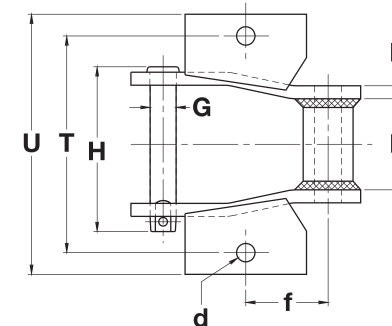
Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inner Width Max	Barrel Diam Max	Plate Height Max	Plate Thick Max	Pin Diam Max	Pin Length Max	Average Ultimate Strength	Rated Working Load	Weight
	A	B	C	D	E/F	G	H	Lbs	Lbs	Lbs/Ft
WDH102	5.000	7.000	1.500	1.500	0.375	0.750	9.250	42,000	7,000	12.00
WDH102P								60,000	10,000	
WDH104	6.000	4.625	1.500	1.500	0.375	0.750	6.891	46,000	7,650	8.60
WDH104P								60,000	10,000	
WDH110	6.000	9.625	1.500	1.500	0.375	0.750	11.875	46,000	7,650	13.50
WDH110P								60,000	10,000	
WDH120	6.000	9.250	2.000	2.000	0.500	0.875	12.063	70,000	11,500	22.00
WDH120P								90,000	15,000	
WDH112	8.000	9.625	1.500	1.500	0.375	0.750	11.875	46,000	7,650	11.40
WDH112P								60,000	10,000	
WDH116	8.000	13.375	1.750	1.750	0.375	0.750	15.625	56,000	9,300	16.00
WDH116P								69,000	11,500	
WDH122	8.000	9.250	2.000	2.000	0.500	0.875	12.063	70,000	11,500	18.00
WDH122P								90,000	15,000	
WDH480	8.000	11.750	2.000	2.000	0.500	0.875	14.563	90,000	15,000	20.00

A-42 Welded Steel Mill Chain Attachments

Dimensions are in inches unless otherwise indicated.

Chain No.	A	B	C	D	E	G	H	T/2	U/2	X	d	f	w
WH78	2.609	1.125	0.875	1.125	0.250	0.500	3.000	2.250	2.875	0.500	0.656	1.438	1.500
WH82	3.075	1.250	1.219	1.250	0.250	0.563	3.219	2.500	3.125	0.375	0.563	1.531	1.500
WH124	4.000	1.625	1.438	1.500	0.375	0.750	4.188	2.875	3.625	0.500	0.656	2.000	1.500
WH110	6.000	1.875	1.250	1.500	0.375	0.750	4.375	2.563	3.141	0.406	0.500	2.250	1.500
WH150	6.050	2.875	1.750	2.500	0.500	1.000	6.172	4.000	4.938	0.500	0.656	2.656	2.000



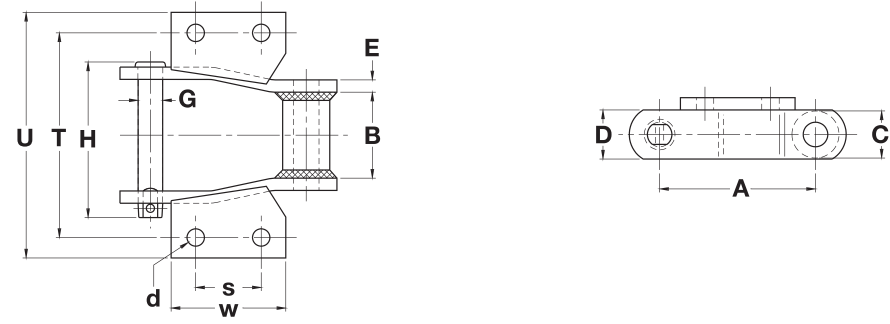
K-1 Welded Steel Mill Chain Attachments

Dimensions are in inches unless otherwise indicated.

Chain No.	A	B	C	D	E	G	H	T	U	d	f	w
WH78	2.609	1.125	0.875	1.125	0.250	0.500	3.000	4.000	5.000	0.375	1.344	2.000
WH82	3.075	1.250	1.219	1.250	0.250	0.563	3.219	4.250	5.500	0.375	1.578	1.750
WH124	4.000	1.625	1.438	1.500	0.375	0.750	4.188	5.250	6.375	0.625	2.188	2.000
WH150	4.760	2.250	1.438	1.500	0.375	0.750	4.750	6.250	7.500	0.500	2.375	3.500

Contact Renold for weight specifications and for verification as dimensions are subject to change.



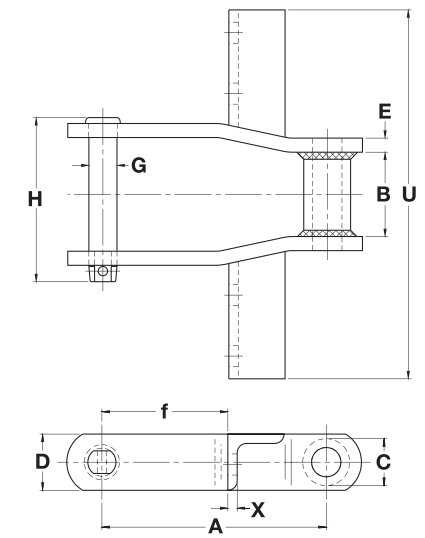
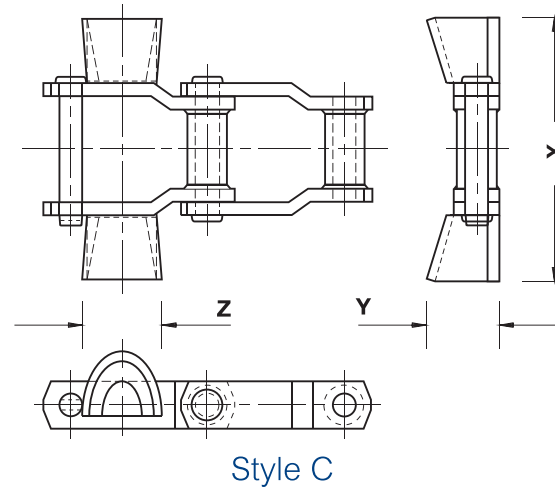
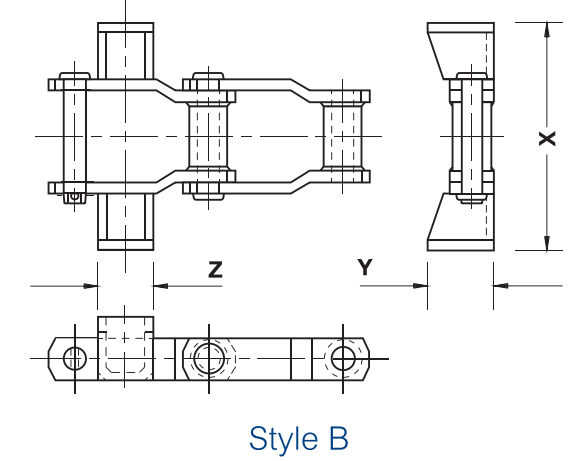
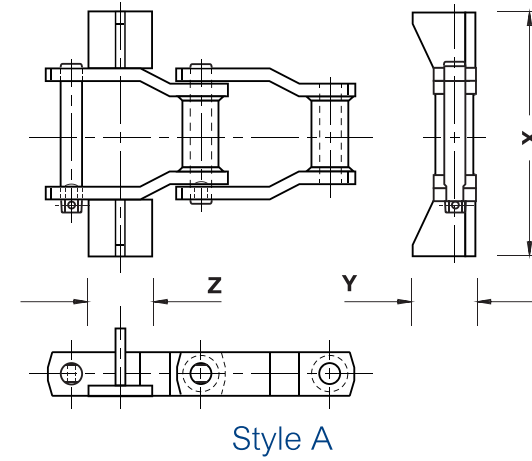


K-2 Welded Steel Mill Chain Attachments

Dimensions are in inches unless otherwise indicated.

Chain No.	A	B	C	D	E	G	H	T	U	d	s	w
WH78	2.609	1.125	0.875	1.125	0.250	0.500	3.000	4.000	5.000	0.375	1.125	2.000
WH82	3.075	1.250	1.219	1.250	0.250	0.563	3.219	4.250	5.500	0.375	1.313	2.875
WH124	4.000	1.625	1.438	1.500	0.375	0.750	4.188	5.250	6.375	0.375	1.938	3.000
WH111	4.760	2.250	1.438	1.500	0.375	0.750	4.750	6.250	7.500	0.500	2.313	3.500
WH110	6.000	1.875	1.250	1.500	0.375	0.750	4.375	5.313	7.188	0.375	1.750	3.250
WH132	6.050	2.875	1.750	2.000	0.500	1.000	6.172	7.500	9.125	0.500	2.750	4.000
WH150	6.050	2.875	1.750	2.500	0.500	1.000	6.172	7.500	9.125	0.531	2.750	4.000

Contact Renold for weight specifications and for verification as dimensions are subject to change.



Welded Steel Mill Chain Cradle Attachments

Dimensions are in inches unless otherwise indicated.

Chain No.	A	B	C	D	E	G	H	U	X	f
WH78	2.609	1.125	0.875	1.125	0.250	0.500	3.000	6.000	0.250	0.750
WH82	3.075	1.250	1.219	1.250	0.250	0.563	3.219	6.500	0.250	0.750
WH124	4.000	1.625	1.438	1.500	0.375	0.750	4.188	8.500	0.250	1.188
WH132	6.050	2.875	1.750	2.000	0.500	1.000	6.172	12.375	0.500	1.500