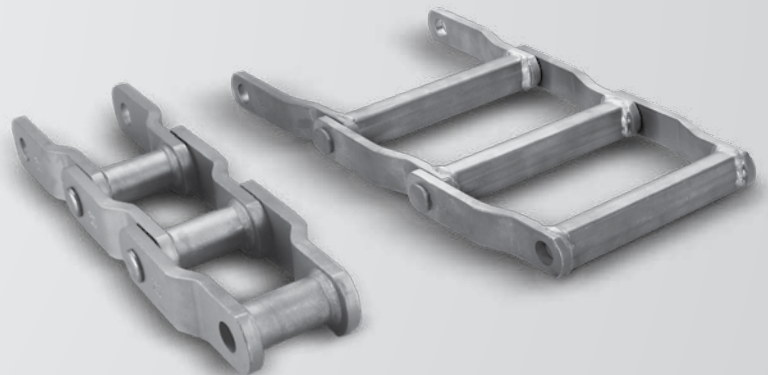


# Rexnord Express Weld Chain Program



# Rexnord Express Weld Program

## The Rexnord Express Weld Program Offering

Rexnord has been providing solutions for tough applications for years. We understand that when replacement parts are needed, time matters. The Express Weld Chain Program by Rexnord is designed to reduce costly downtime when replacement parts are needed the most.

- Fully equipped welding booths on site in Milwaukee, Wisconsin (USA).
- Narrow-mill and wide-mill riveting/welding assembly lines in Milwaukee.
- Up to 300 feet of any configuration of stock riveted chain and attachments can be welded, assembled and shipped within three to five days.
- Instant availability of Welded Steel Attachment Chain.
- 28 standard sizes in both narrow- and wide-mill chain are available for quick delivery.

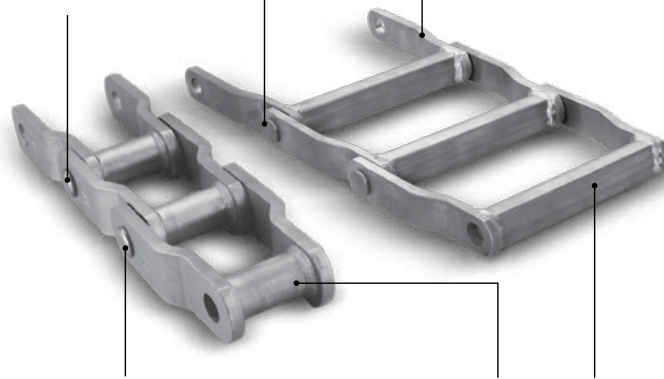
## The Rexnord Welded Steel Chain offering provides:

- Solid bushings on narrow-mill chain and one-piece formed barrel on wide-mill chain.
- Advanced design features are furnished as standard on all chain.
- Optimum interference fits between pin and sidebar.
- Selective induction-hardened pin.
- Additional made-to-order chain and attachments available upon request.

## Rexnord Welded Steel Chain Features and Benefits

Narrow- and wide-mill chain comes standard with high press fits between the pins and sidebar holes. This feature greatly improves the fatigue life of the chain.

All components are completely through-hardened as standard. This feature greatly enhances chain wear life.



Narrow-mill series chain comes standard with a selectively induction-hardened pin. This feature significantly improves the wear life of the chain.

Narrow- and wide-mill series chain are furnished standard with one-piece barrels. This significant design enhancement extends the performance of the chain.

# What makes Rexnord the highest performing Welded Steel Chain?

## Maximized wear life

- Rexnord Selective Induction-Hardened (SIH) Chain pin process involves super hardening only the portion of the chain rivet that wears as the chain articulates over the sprockets. The remainder of the pin is held at the through-hardening levels to assure chain toughness and resistance to breakage. This treatment is standard on the Rexnord WHX Narrow-Mill Chain.
- Optional induction-hardened sliding surfaces:
  - Rexnord Standard Through-Hardened Chain provides two times greater wear life than the industry standard.
  - Optional induction-hardened sidebars give four times the wear life.
- To improve wear life, Rexnord narrow mill chain has solid barrels and Rexnord Wide-Mill Chain has one-piece formed barrels.

## Maximed chain strength

- High-technology welding process, proper weld stress relieving and heat treatment, and destructive testing for weld strength and penetration ensure maximum chain strength.
- Rexnord pins and rivets have engineered press fits that create optimal residual stress in sidebars and greatly increase chain fatigue life. (See chart below.)

### Importance of Heat Treatment

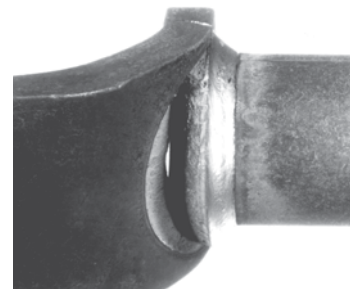
Heat Treatment	Not Hardened	Through-Hardened	Induction Hardened
Hardness RC (typ)	20	35	60



*Selectively induction hardened pins increase pin wear life.*



*Solid barrels provide maximum resistance to impact wear.*



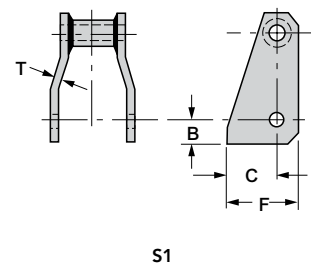
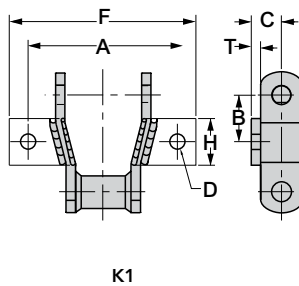
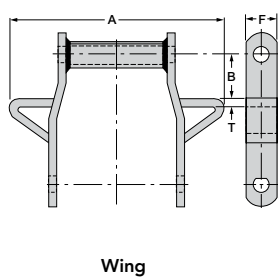
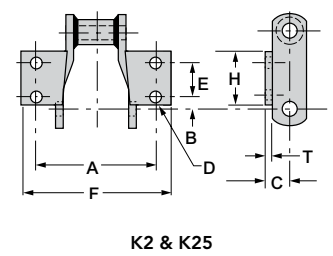
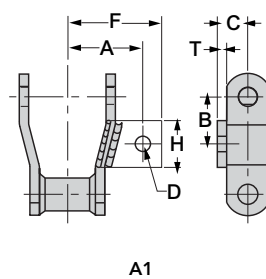
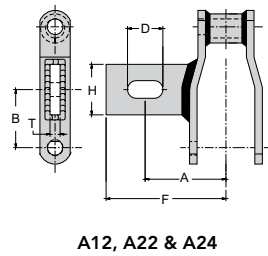
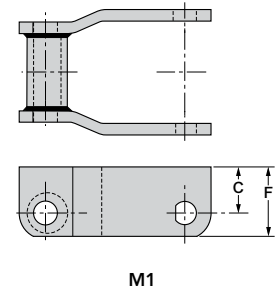
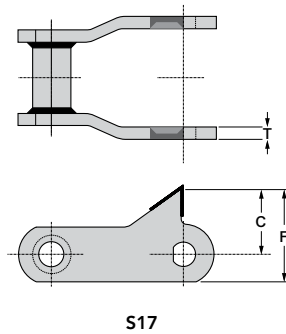
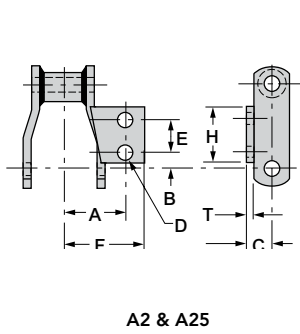
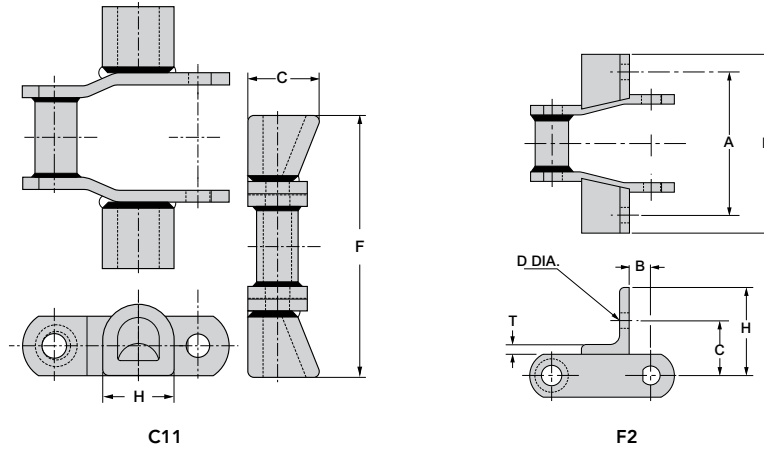
*Quality welded steel links tested for weld strength and penetration.*

# Rexnord Express Weld Chain Attachments

## Rexnord Express Weld Program Attachments — Dimensions - Inch

Chain Number	Attachment	A	B	C	D Bolt Diameter	D Bolt Hole	E	F	H	T
WH78	A1	2.00	1.25	0.81	3/8	0.41	–	2.50	1.25	0.25
WH78	A2	2.00	0.41	0.81	3/8	0.41	1.13	2.50	2.00	0.25
WH78	A22	1.88	1.31	–	3/8	0.41	–	2.50	1.00	0.38
WH78	K1	4.00	1.25	0.81	3/8	0.44	–	5.00	1.25	0.25
WH78	K2	4.00	0.41	0.81	3/8	0.44	1.13	5.00	2.00	0.25
WH78	F2	3.75	0.56	1.44	3/8	0.41	–	4.69	2.31	0.25
WH82	A1	2.00	1.25	0.81	3/8	0.43	–	2.50	1.25	0.25
WH82	A2	2.13	0.75	0.88	3/8	0.41	1.31	2.69	2.25	0.25
WH82	K2	4.25	0.75	0.88	3/8	0.41	1.31	5.38	2.25	0.25
WHX106	A24	4.00	2.88	–	13/16	1.75	–	5.94	2.50	0.50
WHX111	S1	–	1.00	4.25	–	–	–	5.00	–	0.38
WHX124	A2	2.63	0.88	1.13	3/8	0.41	1.94	3.19	3.00	0.38
WHX124	K2	5.25	0.88	1.13	3/8	0.41	1.94	6.38	3.00	0.38
WHX132	A25	3.75	1.63	1.50	1/2	0.56	2.75	4.59	4.25	0.50
WHX132	C11	–	–	3.00	–	–	–	11.00	3.00	–
WHX132	K25	7.50	1.63	1.50	1/2	0.56	2.75	9.19	4.25	0.50
WHX132	M1	–	–	2.00	–	–	–	3.00	–	0.50
WHX132	S1	–	1.38	5.00	–	–	–	6.00	–	0.50
WHX150	C11	–	–	3.00	–	–	–	11.00	3.00	–
WHX150	S1	–	1.38	5.25	–	–	–	6.50	–	0.50
WHX155	S1	–	–	3.00	–	–	–	4.25	–	0.56
WHX155	S17	–	–	3.00	–	–	–	4.25	–	0.50
WDH110	W17	17.00	2.63	–	–	–	–	1.50	–	0.38
WDH112	W17	17.00	3.25	–	–	–	–	1.50	–	0.38
WDH116	W22	22.00	3.78	–	–	–	–	1.75	–	0.38
WDH120	W17	17.00	2.50	–	–	–	–	2.00	–	0.50
WDH480	W22	22.00	3.25	–	–	–	–	2.00	–	0.38
WDH580	W22	22.00	3.25	–	–	–	–	2.00	–	0.38

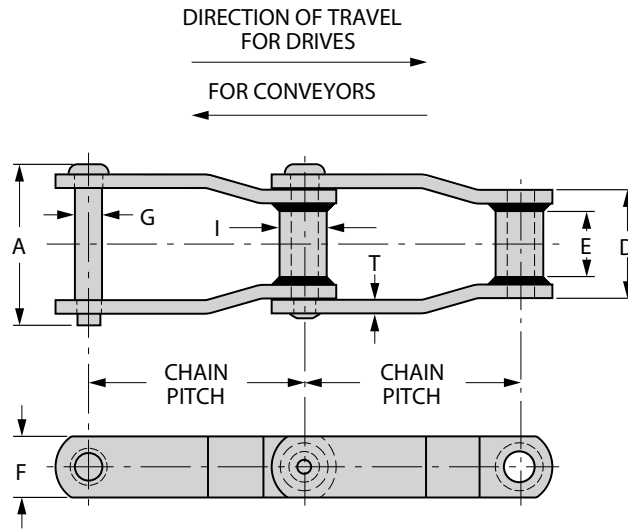
# Rexnord Express Weld Chain Attachments



# Rexnord Welded Steel Chain

## Narrow Series WH and WHX

- WH Chain has all parts through hardened.
- WHX Chain has through hardened parts and selectively induction-hardened rivets.

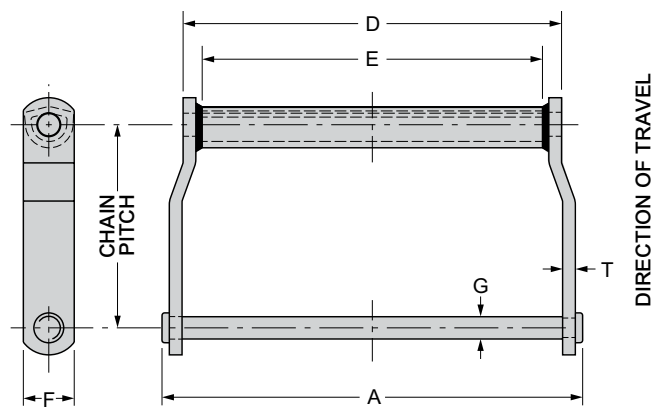


Narrow Series (WH and WHX) — Dimensions - Inch

Chain Number	Average Pitch	A	E	Sidebars		Pin G	Barrel		Minimum Ultimate Strength	Rated Working Load	Average Weight per foot	Sprocket Number
				T	F		D	I				
WH78	2.609	2.98	1.12	0.25	1.13	0.50	2.00	0.88	25,500	3,500	4	78
WH82	3.075	3.25	1.25	0.25	1.25	0.56	2.25	1.22	29,500	4,400	6	103
WHX124	4.000	4.18	1.63	0.38	1.50	0.75	2.81	1.44	50,500	7,350	9	H124
WHX124HD	4.063	4.82	1.63	0.50	2.00	0.88	3.00	1.63	80,000	9,150	14	H124
WHX111	4.760	4.79	2.25	0.38	1.50	0.75	3.38	1.44	50,500	8,850	8	111
WHX106	6.000	4.18	1.63	0.38	1.50	0.75	2.81	1.44	50,500	7,350	7	106
WHX132	6.050	6.31	3.00	0.50	2.00	1.00	4.38	1.75	85,000	15,000	14	132
WHX150	6.050	6.31	3.00	0.50	2.50	1.00	4.38	1.75	90,000	15,000	16	132
WHX155	6.050	6.48	2.75	0.56	2.50	1.13	4.38	1.75	102,000	17,500	19	132
WHX157	6.050	6.68	2.75	0.63	2.50	1.13	4.63	1.75	117,000	18,200	20	132

## Wide Series WDH

- WDH chain have medium carbon steel one-piece extruded barrels.
- Heat treated medium carbon barrels and sidebars provide two times the wear resistance of competitive non heat treated chain.



Wide Series Standard (WDH) — Dimensions - Inch

Chain Number	Average Pitch	A	E	Sidebars		Pin G	Barrel D	Minimum Ultimate Strength	Rated Working Load	Average Weight per foot	Sprocket Number
				T	F						
WDH110	6.000	11.80	9.00	0.38	1.50	0.75	10.38	55,000	10,000	12	H110
WDH120	6.000	12.10	8.75	0.50	2.00	0.88	10.25	79,000	15,000	20	H120
WDH112	8.000	11.80	9.00	0.38	1.50	0.75	10.38	55,000	10,000	10	H112
WDH116	8.000	15.50	13.00	0.38	1.75	0.75	14.13	59,000	11,500	13	H116
WDH480	8.000	14.60	11.20	0.50	2.00	0.88	12.75	79,000	15,000	18	H480
WDH580	8.000	14.60	11.20	0.50	2.00	1.00	12.75	108,000	20,500	18	H480
WDH2210	6.136	11.90	9.00	0.38	1.50	0.75	10.38	55,000	10,000	11.5	H110
WDH2380	8.161	14.60	11.25	0.50	2.00	0.88	12.75	79,000	15,000	18	H480



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## Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

### Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

### Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

### Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

# REXNORD

## Rexnord Company Overview

Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

## Process & Motion Control

The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

## Water Management

The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.