



HSP Elevator Series Chains for High Strength Performance

Based on development, testing, and proven performance, the **ELITE HSP Elevator Series Chain** combines proven chain designs for centrifugal elevators with optimum material/metallurgical specifications providing a level of performance and value unparalleled in the marketplace.

Key Features:

- All alloy steel construction for maximum strength and wear resistance
- Through-hardened and induction hardened pins for maximum strength and wear resistance
- Chain relies on controlled interference fits to create residual compressive stresses which maximize the fatigue / endurance limit by eliminating unnecessary cyclic loading
- Predictable wear life to allow for planned maintenance and the elimination of costly downtime
- Full length attachments for improved bucket support and strength
- Increased average tensile strength of between 20-35 % which ultimately results in an improved fatigue /endurance limit



ELITE Chains have been tested in the most rigorous applications and exceed our customers' expectations

ELITE

Leading
Competitor

Average fatigue
strength



Bucket Elevator Chain Dimensions

Chain Number	Style	Pitch	Base chain	Width	Plate	Sidebars		Pins		Bushings		Heat
			maximum	between		thickness	Plate	Heat	Pin-Ø	Heat	Bushing	
		P	A	K	T	F		G		D	I	
		mm	mm	mm	mm	mm		mm		mm	mm	
EL856HSP	B	152.4	163.57	76.2	12.7	63.5	TH	25.4	TH/IH	101.6	44.45	CH
EL956HSP	A	152.4	163.57	76.2	12.7	76.2	TH	25.4	TH/IH	101.6	44.45	CH
EL857HSP	B	152.4	163.57	76.2	12.7	82.55	TH	25.4	TH/IH	101.6	44.45	CH
EL958HSP	A	152.4	163.57	76.2	14.22	82.55	TH	28.7	TH/IH	104.9	50.8	CH
EL859HSP	B	152.4	196.59	95.25	15.87	101.6	TH	31.75	TH/IH	127	60.45	CH
EL864HSP	B	177.8	196.59	95.25	15.87	101.6	TH	31.75	TH/IH	127	60.45	CH
EL984HSP	A	177.8	196.59	95.25	15.87	101.6	TH	34.92	TH/IH	127	63.50	CH

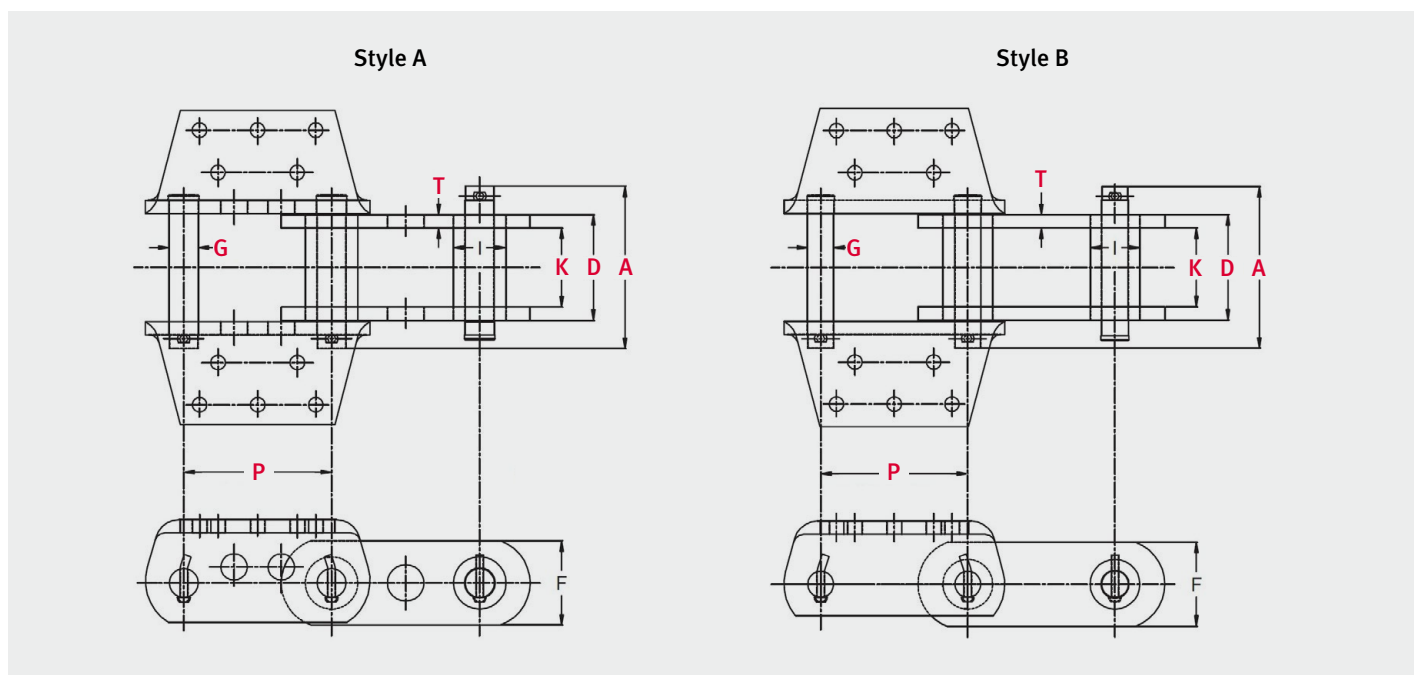
All dimensions are subject to change.
TH: Thru-Hardened. IH: Induction Hardened. CH: Case Hardened.

As production demands have increased over the last century, so too has the need for reliable, robust chains to meet the demanding application requirements for today's materials handling industry.

ELITE HSP 800 and 900 Series Elevator chains are dimensionally equivalent drop in replacements to other manufacturers with refined material, heat treatment and manufacturing processes to improve performance.

The strength and wear resistance provided by EL HSP 800 and 900 series chain allows for planned maintenance intervals and predictable wear life.

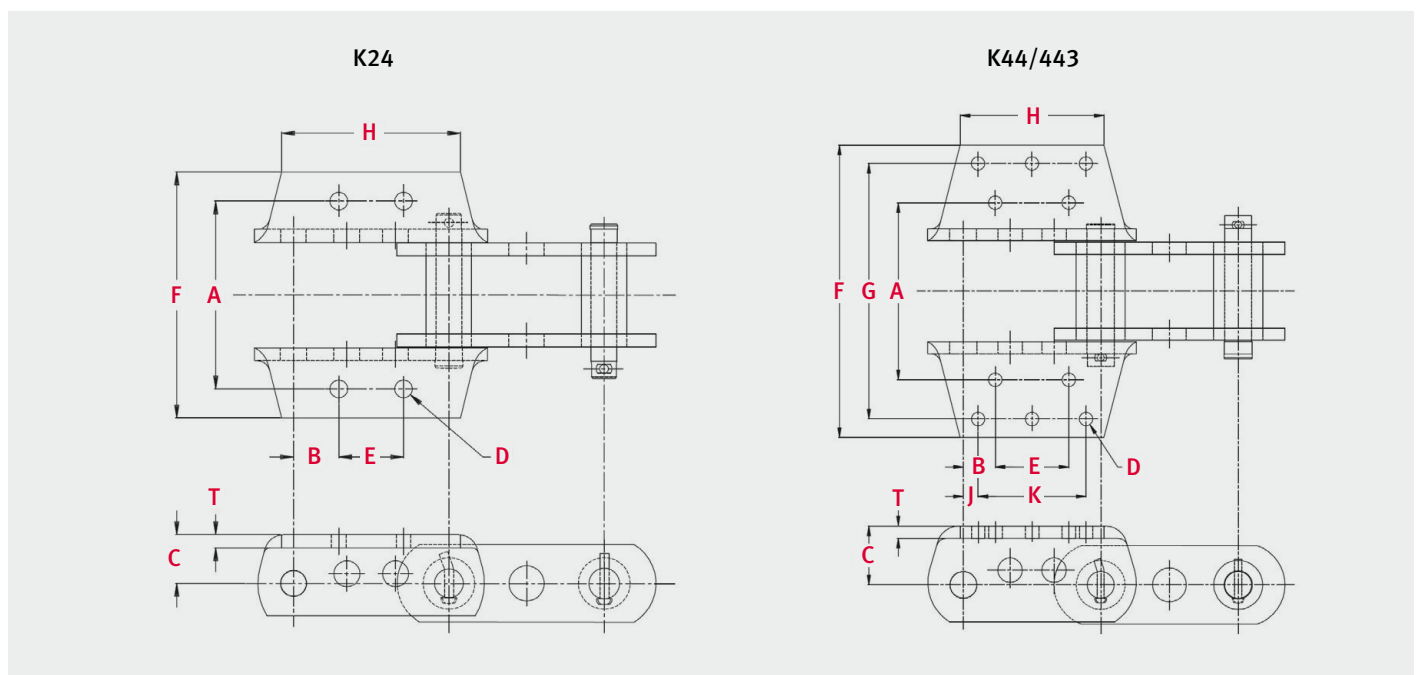
Sealed Joint Chains are available upon request for applications where dry cavitation wear is problematic.

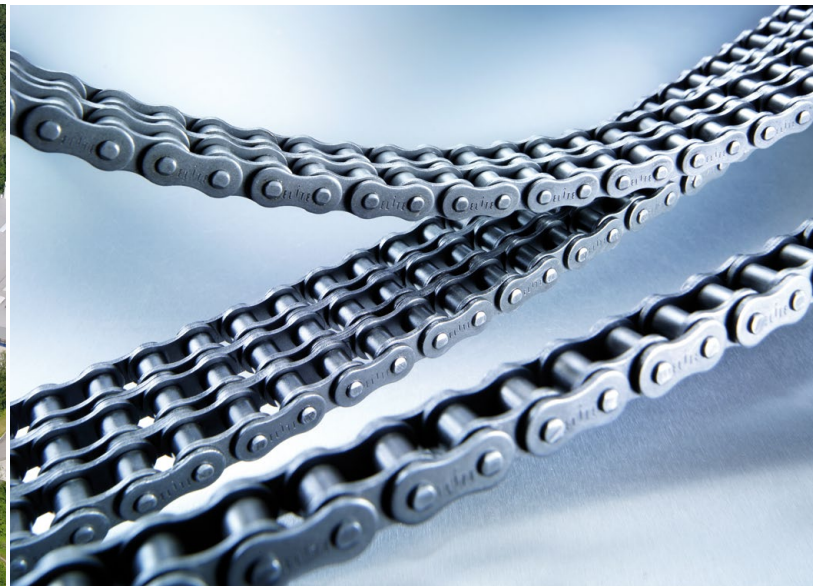


Bucket Elevator Chain Attachment Dimensions

Chain Number	Attachment Style	Attachment hole transverse pitch	Center of pin to attachment hole	Pitch line to top of attachment	Attachment hole-Ø	Attachment hole pitch	Overall attachment width	Attachment hole transverse pitch	Length of attachment plate	Center of pin to attachment hole	Attachment hole pitch	Plate thickness	Weight
		A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm	T mm	Kg/m
EL856HSP	K24	184.15	44.45	47.75	17.52	63.5	238.25	–	175.51	–	–	12.7	41
EL956HSP	K24	184.15	44.45	47.75	17.52	63.5	238.25	–	175.51	–	–	12.7	43.2
EL857HSP	K44	177.8	31.75	63.5	14.22	88.9	355.6	304.8	139.7	31.75	88.9	12.7	56.7
EL958HSP	K44	177.8	31.75	63.5	14.22	88.9	347.47	304.8	146.05	31.75	88.9	12.7	59.6
EL859HSP	K44	228.6	41.14	76.2	17.52	69.85	381	330.2	150.36	19.05	114.3	15.87	87.9
EL864HSP	K443	228.6	41.14	76.2	17.52	95.25	381	330.2	177.8	19.05	139.7	15.87	82
EL984HSP	K443	228.6	41.14	76.2	17.52	95.25	377.95	330.2	185.92	19.05	139.7	15.87	86.5

All dimensions are subject to change.





Our Company

Delivering uncompromising performance and value

- Founded in 1916 by the entrepreneurial Winklhofer family
- Expanded productions to include automotive timing chains in 1939
- iwis receives Ford's Q1 Award + ISO9002 accreditation in 1991
- iwis acquires Flexon Group in 2006

Headquartered in Munich with facilities in:

- Munich, Landsberg, Wilnsdorf and Sontra, Germany
- Strakonice, CZ
- Suzhou, China
- Murray, KY and Indianapolis, IN
- Surrey, British Columbia
- Toronto, Ontario
- Sao Paulo, Brazil



Your Engineering Partner

We provide excellent service for our customers

Our resources:

- iwis has the largest chain research and development department in the industry, employing more than 40 engineers dedicated to chain development
- iwis has a corporate product development commitment, reinvesting 5% of all revenues annually
- iwis has a team of engineering and oilfield product specialists with more than 70 years combined experience

Our products and services:

- ANSI/BS Roller chains
- Drill rig chains
- Sprockets – Standard and special, ANSI and BS
- Bridge conveyor chains
- Heavy "H" and High Strength Performance "HSP" chains
- Corrosion resistant platings & coatings for chains and sprockets

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