

INVERTED TOOTH CONVEYOR CHAIN

While inverted tooth chain is commonly used as high speed drive, it is also an excellent conveyor chain in many applications. There are two types of inverted tooth conveyor chains available: the **all-link type** and the **spacer type**. All-link type provides maximum surface area and sturdiness. The spacer type is lighter in weight and has larger spaces between links that allows air to flow through the conveying surface, which is critical for glass bottle production and for other temperature controlled processes. Either way, the steel construction is extremely strong, durable, and able to withstand much higher ambient temperatures than many other common conveyor belt materials. And the smooth sprocket engagement results in constant and stable surface velocity allowing you to move materials at faster speeds without the conveyed material tipping or falling.

Based on the style of the pins, there are three types available:

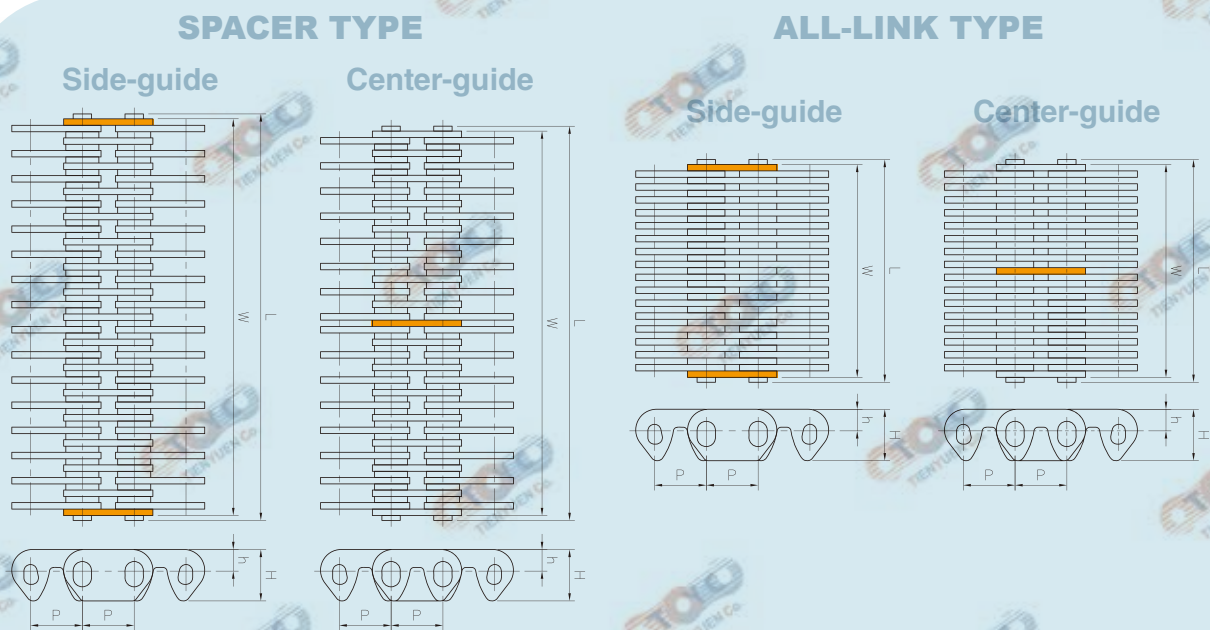
Oval pin type Many conveyor systems today use a single, oval pin design. This is a durable, cost effective design which is easy to connect and rivet during installation. This product combines the simplicity of a single pin design with all the performance features and benefits of our best two pin chains.

Two pin type Our best conveying chains utilize same design features as our high performance drive chains. By using the exact same design features and best practices in the manufacturing process, our conveyor chains provide long lasting, reliable service. The same characteristics that make a great high-speed drive chain produce a great conveying chain.

Round pin type inverted tooth conveyor chain is also available with a single, round pin configuration. Round pin chain offers the flexibility to add spacing washers within the chain. This reduces the weight of the chain, and increases the open area, which is a benefit in applications where air flow through the conveyor is important.

To match your existing sprockets, the inverted tooth conveyor chains come with either **center guides** or **side guides**. Center guide type has guide links in the center of the chain, whereas side guide type has guide links on the edges of the chain. Other varieties are available upon request.

Our inverted tooth conveyor chains are available in all sizes, and can be made to whatever width you need. Widths from as narrow as 1 inch, to as wide as 12 inches or more are common. We size the conveyor chain to meet your specific needs.



Chain No.	Pitch		Nominal Width		Height Above Pitch Line	Height	Width Over Links	Rivet Pin Length	Spacer Type		All-link Type	
	P		inch	mm	h				kgf	kg / m	Avg. Ulti. Tensile Strength	Approx. Weight
	inch	mm										
CS416	1/2	12.70	4	100	5.32	12.60	91.0	95.0	6,250	3.5	13,000	5.2
CS419			4-3/4	120			116.0	120.0	7,250	4.5	15,000	6.6
CS420			5	125			122.0	126.0	7,750	4.7	16,000	7.0
CS422			5-1/2	140			135.0	139.0	8,250	5.2	17,000	7.7
CS424			6	150			147.0	151.0	9,250	5.6	19,000	8.5
CS428			7	180			175.0	179.0	10,750	6.7	22,000	10.1
CS432			8	200			199.0	203.0	12,250	7.6	25,000	11.4
CS440			10	250			250.0	254.0	15,250	9.6	31,000	14.5
CS448			12	300			300.0	304.0	18,250	11.4	37,000	17.2

Other chain widths are also available upon request