

A close-up photograph of a roller chain, showing the rollers and the chain links. The image is overlaid with a semi-transparent blue filter. The text is centered over the image.

# ***Muscle***

*ROLLER CHAIN*

***Movex***<sup>®</sup>

[www.movexii.com](http://www.movexii.com)

# Muscle

## ROLLER CHAIN



### High performance

Dimensional stability and optimized elastic behavior.



### Stress-resistant design

Reduced wear on contacting components, low maintenance costs.



### Design compatible

Full interchangeability with ANSI 60 standards.



### Superior durability

Excellent mechanical strength and corrosion resistance.



### Lubrication-free performances

Engineered for quiet operation without lubrication.



### CIP / SIP Compatible

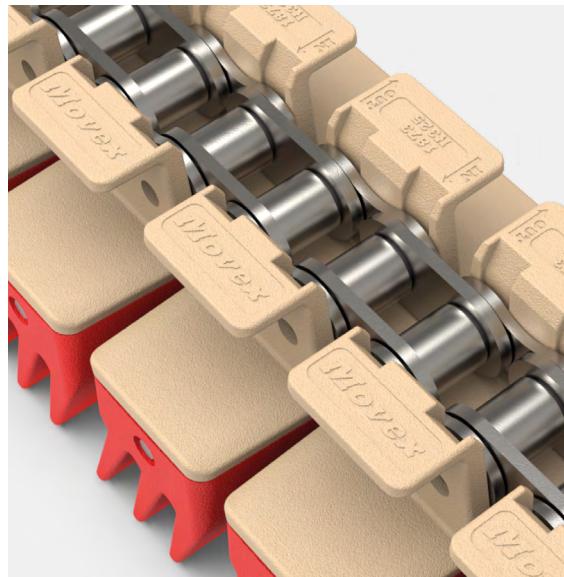
Made to resist regularly CIP / SIP cleaning, high-frequency cycles.

## High performance in every condition.

Specifically developed to work with the entire I873 Gripper plastic chain family, this roller chain delivers exceptional strength and durability, with a breaking load of 27.5 kN. The enhanced total elongation improves ductility, while outstanding resistance to cyclic stress ensures consistent performance in high-frequency applications. Controlled elastic behavior reduces impact on guides, sliders, and plastic components, extending the overall system's lifespan.

Muscle roller chain is engineered for frequent washdowns, high humidity, and thermal variations, and it's ideal for critical industrial settings such as food processing and packaging. The special anti-corrosion coating ensures reliable operation even in the presence of moderate chemicals, delivering hygiene, efficiency, and long-lasting performance.

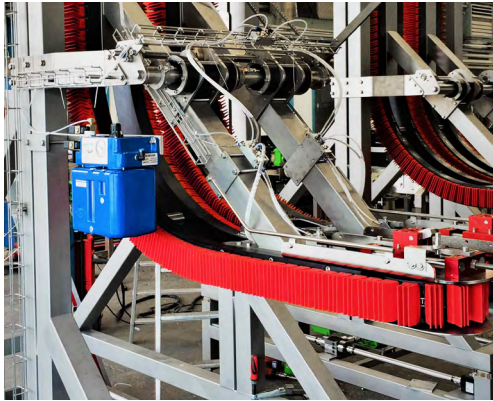
Muscle roller chain is also compatible with all Movex plastic chains with 19.05 mm pitch (3/4", imperial standard) and equivalent dimensional characteristics.



### 1873 Gripper GS1

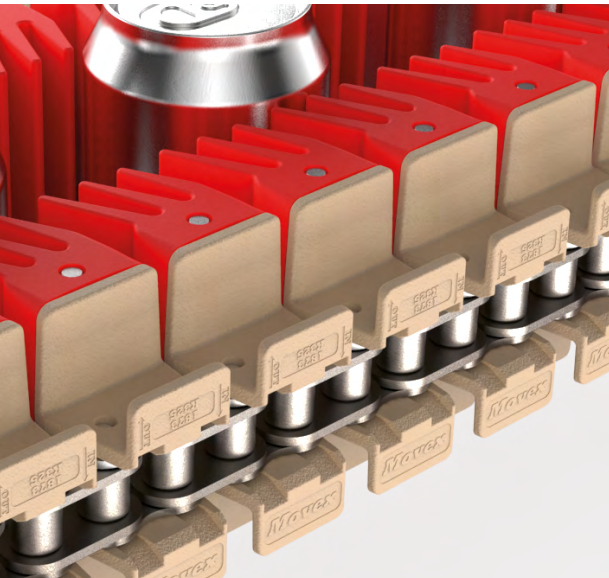


# Description and Features



## Perfect for these conditions:

- ✓ High-frequency cycles
- ✓ CIP/SIP environments
- ✓ Food & beverage
- ✓ Wet & humid conditions
- ✓ Lubrication-free operation
- ✓ 1873 Gripper compatibility



**PLATE - AISI 420HT:**  
High corrosion protection

**BUSHING - SINTERED:**  
Lubricated for high performance



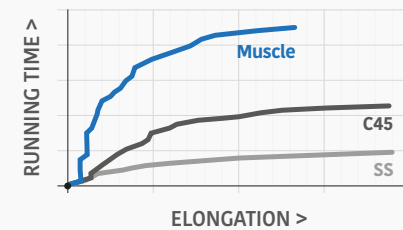
**PIN - AISI 420HT:**  
Hard plating and high corrosion protection

**ROLLER - AISI 304:**  
Maximum resistance against corrosion

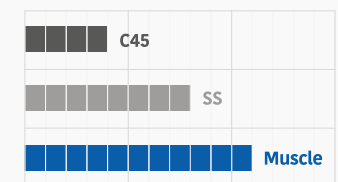
## Engineered Performance

Breaking load	27.5 kN
Compatibility	ANSI 60
App. environment	CIP/SIP, humid, food, packaging
Temp. range	0 °C / +120 °C

## Wear test



## Corrosion resistance



Compatible with all Movex plastic chain series 1863 and 1873 with 19.05 mm pitch (3/4", imperial standard)

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