



# **PERFECT COAT PLUS**™



**MECHANICAL RUST PREVENTION SYSTEM**

**ZINC BLAST COATING**

**DI-CHROMATE SEALER**

**MORE CORROSION PROTECTION**

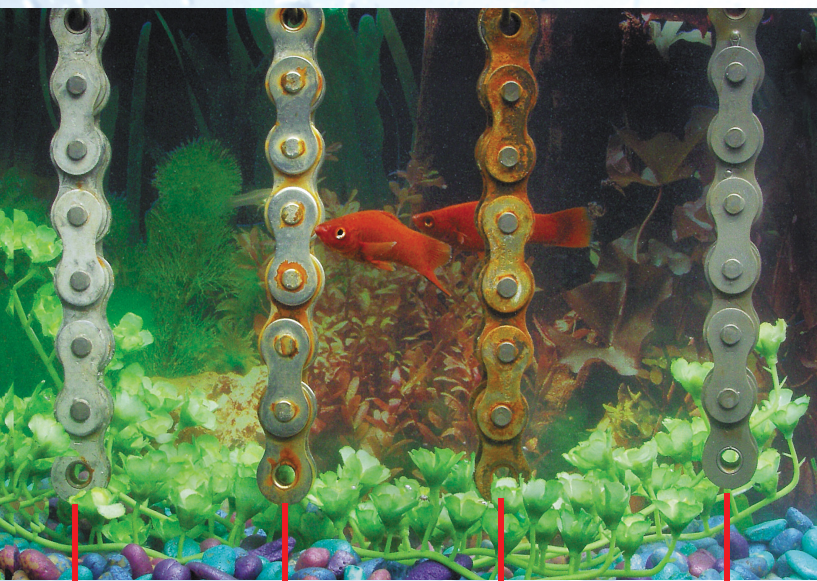
**NO HYDROGEN EMBRITTLEMENT**





## A Mechanical Rust Prevention System

*Perfect Coat Plus™ chains offer up to thirty times more protection from corrosive damage compared with conventional nickel plated products. These improved chains feature a mechanical rust prevention system which utilizes a zinc-alloy-iron film coating. The resulting film is extremely durable and will not chip, flake, peel or rust in many mildly corrosive applications.*



Traditional Dip-Spin  
Zinc-Chrome Coating

Nickel Plated

Carbon Steel

Perfect Coat  
Plus™



**Carbon Steel Chain**



**Nickel Plated Chain**

After 2 weeks both the carbon steel and nickel plated chains exhibit substantial rust. The chain joints have frozen stiff making the chain difficult to flex.

## Salt Water Corrosion Test

Roller chains submerged in and out of an aerated 5% salt water solution (equivalent to seawater). Carbon steel, nickel plated, Dip-Spin Zinc Chromate and Perfect Coat Plus™ chains are tested for 14 days.

**The Dip-Spin sample and Perfect Coat Plus™ chain show significantly less rust after two weeks of testing.**

Note that rust development on the Dip-Spin sample (Top in photo) begins where the bushing is press fitted into the link plate. When the chain was assembled, the coating chipped, peeled or flaked, causing a corrosive attack at this area. Eventually this rust will spread underneath the plated surface reducing chain life.



**Rust development at the press fit area.**

Perfect Coat Plus™ is a significantly more durable coating which does not chip, flake or peel. Virtually no rust developed on this sample.

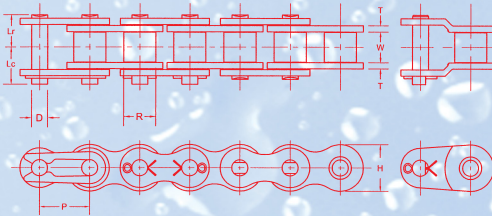


### ADVANTAGES:

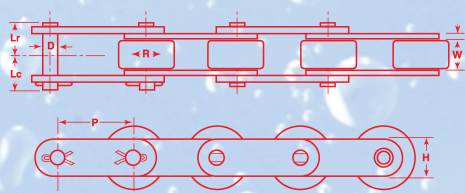
- 30 times more corrosion protection compared with nickel plating.
- Ultimate strength and working load ratings are the same as carbon steel chains.
- The possible occurrence of hydrogen embrittlement is eliminated.
- More economical compared with stainless steel.

SENQCIA Perfect Coat Plus™ chains utilize a unique dual coating, mechanical rust prevention system, consisting of a zinc alloy blast and a non-aqueous di-chromate sealing solution. This coating is ideally suited for mildly corrosive, moisture related applications such as wash down lines on conveyors, outdoor service or other similar uses.

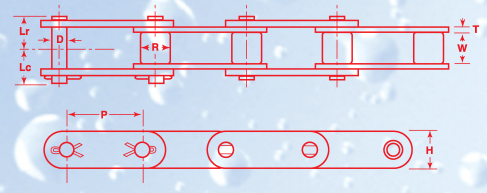
As with all platings including nickel, zinc or cadmium, Perfect Coat Plus™ is NOT FDA approved for direct contact with food products. It can however be used in the food and beverage industry where the chain does not directly contact food products, but where resistance to rust is required.



ASME/ANSI Roller Chains



Double Pitch Roller Chains



Double Pitch Roller Chains

### CHAIN DIMENSIONS ARE GIVEN IN INCHES

SENQCIA Roller Chain Number	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Link Plate Height H	Riv. Pin Length Lr	Cot. Pin Length Lc	Rated Working Load (Lbs)	Average Ultimate Strength (Lbs)	Average Chain Weight (Lbs/Ft)
35PCP	3/8	0.188	0.200	0.141	0.050	0.354	0.236	0.272	480	2,400	0.23
40PCP	1/2	0.312	0.312	0.156	0.060	0.463	0.327	0.378	810	4,300	0.40
50PCP	5/8	0.375	0.400	0.200	0.080	0.577	0.402	0.465	1,400	7,200	0.66
60PCP	3/4	0.500	0.469	0.234	0.094	0.691	0.504	0.555	1,950	9,900	0.98
80PCP	1	0.625	0.625	0.312	0.125	0.921	0.646	0.732	3,300	17,600	1.69
100PCP	1 1/4	0.750	0.750	0.375	0.156	1.154	0.776	0.917	5,060	26,400	2.62
120PCP	1 1/2	1.000	0.875	0.437	0.187	1.382	0.976	1.126	6,800	39,000	3.86
C2040PCP	1	0.312	0.312	0.156	0.060	0.450	0.323	0.406	600	4,300	0.32
C2050PCP	1 1/4	0.375	0.400	0.200	0.080	0.591	0.402	0.465	1,000	7,200	0.55
C2060HPCP	1 1/2	0.500	0.469	0.234	0.125	0.670	0.567	0.654	2,000	12,300	0.93
C2080HPCP	2	0.625	0.625	0.312	0.156	0.890	0.701	0.827	3,400	20,200	1.56
C2042PCP	1	0.312	0.625	0.156	0.060	0.450	0.323	0.406	600	4,300	0.55
C2052PCP	1 1/4	0.375	0.750	0.200	0.080	0.591	0.402	0.465	1,000	7,200	0.85
C2062HPCP	1 1/2	0.500	0.875	0.234	0.125	0.670	0.567	0.654	2,000	12,300	1.40
C2082HPCP	2	0.625	1.125	0.312	0.156	0.890	0.701	0.827	3,400	20,200	2.25

**Corporate Headquarters  
East Coast Service Center:**

**SENQCIA MAXCO, Ltd.  
1630 Cobb International Blvd.  
Kennesaw, GA 30152  
TEL: 800-241-8209  
TEL: 770-424-9350  
FAX: 770-424-9145**

**West Coast Service Center:**

**SENQCIA MAXCO, Ltd.  
3529 NW Yeon Ave.  
Portland, OR 97210  
TEL: 800-544-7943  
TEL: 503-228-6828  
FAX: 503-228-6703**

**Web Site: [www.senqciamaxco.com](http://www.senqciamaxco.com)**

