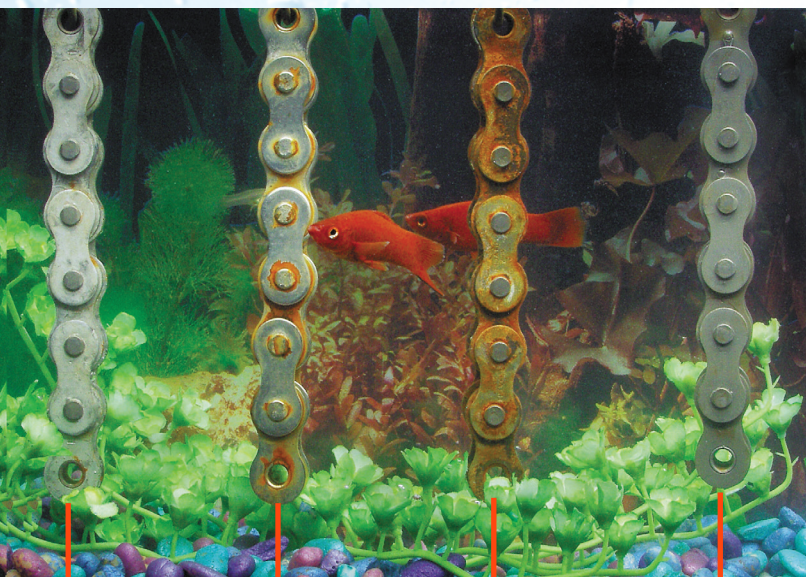




A Mechanical Rust Prevention System

Perfect Coat Plus II™ chains offer up to thirty times more protection from corrosive damage compared with conventional nickel plated products. These improved chains feature a Hexavalent Chromium Free mechanical rust prevention system which utilizes a ROHS compliant, 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 II™



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 288 hours to 360 hours.

The Dip-Spin sample and Perfect Coat PlusII™ 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.



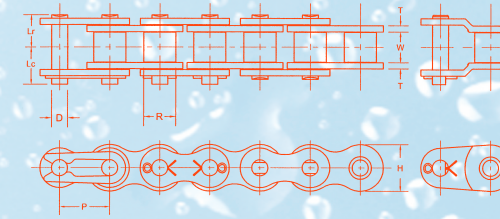
Perfect Coat Plus II™ is a significantly more durable coating which does not chip, flake or peel. Virtually no rust developed on this sample.

ADVANTAGES:

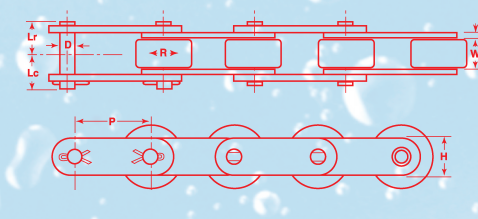
- 30 times more corrosion protection compared with nickel plating.
- Ultimate strength and working load ratings are the same as carbon steel chains.
- The possible occurrence of hydrogen embrittlement is eliminated.
- More economical compared with stainless steel.

MAXCO CHAIN Perfect Coat PlusII™ 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.

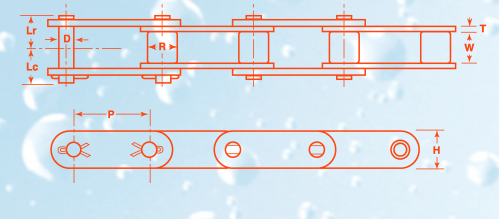
As with all platings including nickel, zinc or cadmium, Perfect Coat Plus II™ is NOT FDA approved for direct contact with food products. It can however be used in the food and beverage industry where the chain does not directly contact food products, but where resistance to rust is required.



ASME/ANSI Roller Chains



Double Pitch Roller Chains



Double Pitch Roller Chains

CHAIN DIMENSIONS ARE GIVEN IN INCHES

MAXOC 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 II	3/8	0.188	0.200	0.141	0.050	0.354	0.236	0.272	480	2,400	0.23
40PCP II	1/2	0.312	0.312	0.156	0.060	0.463	0.327	0.378	810	4,300	0.40
50PCP II	5/8	0.375	0.400	0.200	0.080	0.577	0.402	0.465	1,400	7,200	0.66
60PCP II	3/4	0.500	0.469	0.234	0.094	0.691	0.504	0.555	1,950	9,900	0.98
80PCP II	1	0.625	0.625	0.312	0.125	0.921	0.646	0.732	3,300	17,600	1.69
100PCP II	1 1/4	0.750	0.750	0.375	0.156	1.154	0.776	0.917	5,060	26,400	2.62
120PCP II	1 1/2	1.000	0.875	0.437	0.187	1.382	0.976	1.126	6,800	39,000	3.86
C2040PCP II	1	0.312	0.312	0.156	0.060	0.450	0.323	0.406	600	4,300	0.32
C2050PCP II	1 1/4	0.375	0.400	0.200	0.080	0.591	0.402	0.465	1,000	7,200	0.55
C2060HPCP II	1 1/2	0.500	0.469	0.234	0.125	0.670	0.567	0.654	2,000	12,300	0.93
C2080HPCP II	2	0.625	0.625	0.312	0.156	0.890	0.701	0.827	3,400	20,200	1.56
C2042PCP II	1	0.312	0.625	0.156	0.060	0.450	0.323	0.406	600	4,300	0.55
C2052PCP II	1 1/4	0.375	0.750	0.200	0.080	0.591	0.402	0.465	1,000	7,200	0.85
C2062HPCP II	1 1/2	0.500	0.875	0.234	0.125	0.670	0.567	0.654	2,000	12,300	1.40
C2082HPCP II	2	0.625	1.125	0.312	0.156	0.890	0.701	0.827	3,400	20,200	2.25



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**PERFECT
COAT PLUS II**

MECHANICAL RUST PREVENTION SYSTEM

ZINC-IRON FILM COATING

HEXAVALENT CHROMIUM FREE

MORE CORROSION PROTECTION

NO HYDROGEN EMBRITTLEMENT