



# DACROCLAD™ ROLLER CHAIN

*Full Protection. Full Strength.*

*Standard Carbon Steel Chain*



## Barrier Protection

Layers of overlapping zinc and aluminum platelets provide an excellent barrier

## Self-Repairing

Damaged areas in the coating fill with zinc oxides and carbonates

## Galvanic Action

Zinc corrodes to protect steel

## Passivation

Metal oxides in the matrix slow down corrosion reactions

*Dacroclad Chain*



*Surface conditions after corrosion test.*

## The Dacroclad Advantage

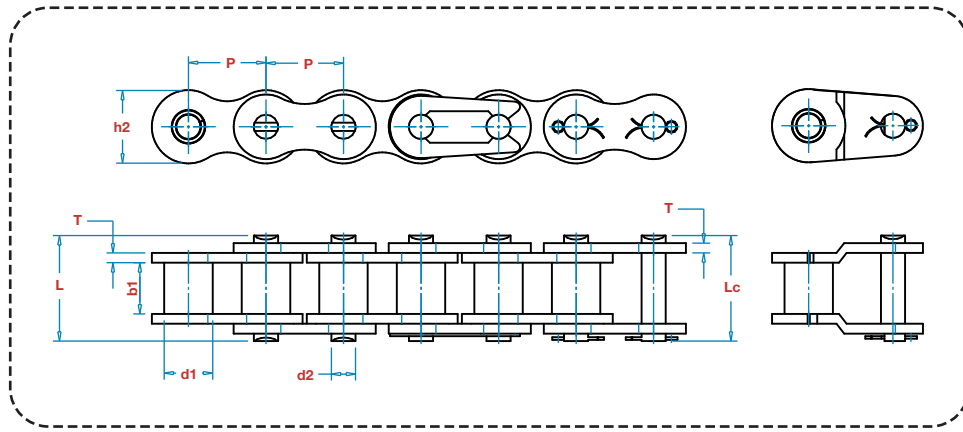
Since plating causes dimensional changes, nickel chains are not plated on the internal parts due to clearance issues. This leaves the most important part of the chain unprotected.

Dacroclad chains do not flake or chip like nickel chains do, and all surfaces are protected.

*Nickel*

*Dacroclad*



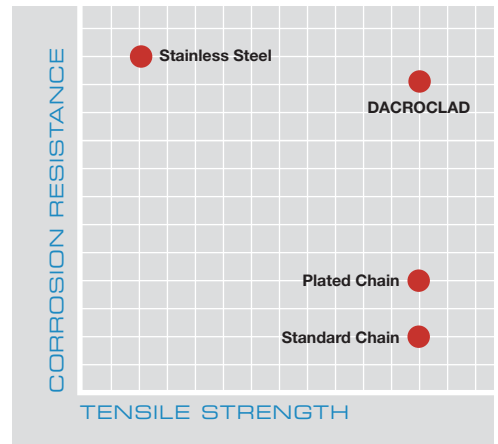


Lynx Chain No.	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Minimum Tensile Strength	Max Working Load	Weight per Foot
	P	d1 max	b1 min	d2 max	L max	Lc max	h2 max	T max			
	inch	inch	inch	inch	inch	inch	inch	inch			
HD25DR RIV	0.250	0.130	0.125	0.09	0.31	0.33	0.24	0.03	795	133	0.1
HD35DR RIV	0.375	0.200	0.188	0.14	0.49	0.52	0.35	0.05	1795	300	0.2
HD40DR RIV	0.500	0.312	0.312	0.16	0.65	0.70	0.47	0.06	3205	535	0.4
HD41DR RIV	0.500	0.306	0.250	0.14	0.54	0.59	0.39	0.05	1516	253	0.3
HD50DR RIV	0.625	0.400	0.375	0.20	0.81	0.87	0.59	0.08	5045	843	0.7
HD60DR RIV	0.750	0.469	0.500	0.23	1.02	1.09	0.71	0.10	7227	1207	1.0
HD80DR RIV	1.000	0.625	0.625	0.31	1.29	1.38	0.94	0.13	12886	2152	1.8
HD100DR RIV	1.250	0.750	0.750	0.38	1.59	1.76	1.18	0.16	20114	3359	2.6
HD120DR RIV	1.500	0.875	1.000	0.44	1.98	2.14	1.41	0.19	28864	4820	3.8
HD140DR RIV	1.750	1.000	1.000	0.50	2.14	2.32	1.61	0.22	39182	6543	5.0
HD160DR RIV	2.000	1.125	1.250	0.56	2.55	2.74	1.88	0.25	51545	8608	6.8

In applications such as seafood processing (high concentrations of saltwater present) and chemical manufacturing (contact with chemicals and washdown) it is necessary to protect roller chain from the harsh environment.

Traditionally, stainless steel or nickel-plated chains have been used. The disadvantage of stainless steel is an 80% drop in tensile strength. Nickel-plated chain offers only minimal protection from corrosion.

Lynx Dacroclad roller chain allows you to retain the tensile strength of standard roller chain while giving you full protection from corrosion.



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