



## EXTREME-DUTY CS720SS

CAST STAINLESS STEEL CHAINS

10-YEAR CHAIN & SPROCKET WARRANTY  
24/7/365 RELIABILITY  
LOWEST LIFE-CYCLE COST

### SOLUTIONS FOR TODAY, TOMORROW AND THE NEXT GENERATION.

Need an economical, cost saving solution for your Headworks, Collector and Stormwater equipment? DuraMax CS720SS Chains are today's newest and best available technology.

DuraMax CS720SS Chains are the result of over three decades of applied field research and materials testing, and are the first CAST STAINLESS STEEL CHAINS ever manufactured for the Water and Wastewater Industry. DuraMax Chains are precision cast from aerospace-grade alloys specifically designed for extra heavy-duty, corrosive and abrasive Bar Screen, Grit Collector, and Rectangular Collector applications.

DuraMax Chains and Sprockets are designed to provide 20+ years of reliable, continuous-duty service *without repair or replacement*. Routine life-cycle maintenance costs are substantially less than any other chain and sprocket system. When evaluated over a 20-year design cycle, DuraMax Chains and Sprockets provide the greatest value and the lowest life-cycle cost compared to all other cast and fabricated metal (and many plastic) chain and sprocket systems.

DuraMax Chains also make perfect environmental and economic sense: They improve equipment effectiveness and reduce parts inventory. At the end of their service life, the high-grade stainless steel alloys will have a significant recycle value, maximizing the return on investment.



**Environmental Resources, Inc.**  
DuraMax Chain & Equipment Products  
P.O. Box 786  
W278 N2968 Rocky Point Rd.  
Pewaukee, WI 53072-0786

Tele: 800/691-0998  
Fax: 262/691-0992

[www.duramaxchain.com](http://www.duramaxchain.com)  
[www.erxinc.com](http://www.erxinc.com)

Copyright © 2008 by Environmental Resources, Inc. All rights reserved.

MAXIMUM STRENGTH. MAXIMUM CORROSION RESISTANCE. MAXIMUM ABRASION RESISTANCE.

# DURAMAX CS720SS CHAIN

## 20-YEAR CONTINUOUS DUTY LIFE-CYCLE/10-YEAR WARRANTY:

DuraMax CS720SS Chains are designed to operate for a 20-year continuous-duty service cycle on Bar Screens, Grit Collectors, Rectangular Collectors, and Cross Collectors, without replacement of the chain or the sprockets, and with major reductions in maintenance and equipment downtime.

DuraMax Chains and Sprockets have a 10-Year Full Replacement Warranty when operated and maintained within design parameters and traditional industry standards.

On an evaluated 20-year total cost of ownership, DuraMax CS720SS Chains are easier to install and substantially less expensive to operate and maintain than any other cast, fabricated steel, or 400 series stainless steel chain and sprocket system.

## MAXIMUM CORROSION RESISTANCE:

DuraMax cast stainless steel alloys provide superior corrosion resistance to most major biological and chemical elements and compounds found in water and wastewater, including hydrogen sulfide, ammonia, chlorine, ferric and ferrous chlorides, alum, sodium and calcium chlorides, anoxic (septic) wastes, high temperature, high and low pH levels, and brackish waters.

## CAST PRECIPITATION HARDENING STAINLESS STEEL CHAIN LINKS AND CHAIN PINS:

DuraMax CS720SS Chains are the strongest and most durable 720/730 Series chains in the industry.

DuraMax CS720SS Chain links and pins are cast from precipitation hardening aerospace-grade stainless steels, and are heat-treated and through hardened to 400 to 425 Brinell for maximum wear resistance.

DuraMax CS720SS Chain (6.00" pitch) has an ultimate strength of 80,000 pounds, an ASME rated working load of 8,000 pounds, and a weight of only 5.6#/foot.

## CURVED "CHAIN SAVER" SIDEBARS:

Reduces wear, and provides additional load carrying capacity and stability when operated on chainsaver rim sprockets.

## ROTATING CHAIN PIN AND PIN BOSS:

Increases bearing surface area and evenly distributes load and rotating wear throughout the entire chain joint (chain pin, pin bosses and chain link barrel I.D.).

## SMOOTH, NON-ABRASIVE SURFACE:

Smooth, non-porous and tight-grain investment cast surface structure designed for use on DuraMax Polymeric Sprockets.

## UNIFORM DIMENSIONAL TOLERANCES:

The patented DuraMax investment casting process yields very uniform dimensional tolerances throughout each and every link cast. This eliminates the need for match-marking and shipping the chain in matched strands, and assures perfect side-to-side equipment alignment, even in very large equipment applications.

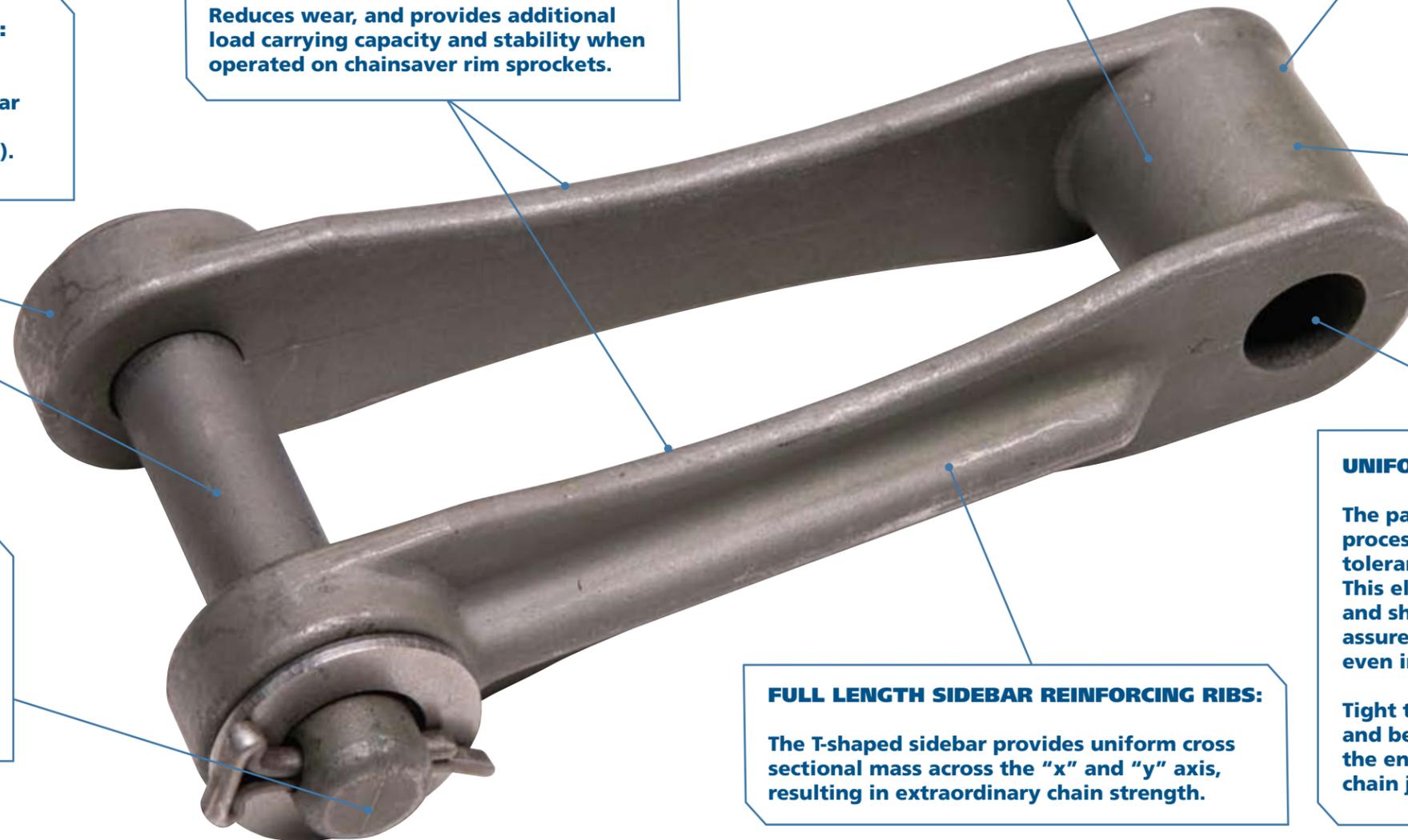
Tight tolerances between the barrel and chain pin, and between the pin boss and chain pin reduce the entry of grit, sand, and abrasives within the chain joints.

## FULL LENGTH SIDEBAR REINFORCING RIBS:

The T-shaped sidebar provides uniform cross sectional mass across the "x" and "y" axis, resulting in extraordinary chain strength.

## EASY-TO-INSTALL CHAIN PIN:

The "no press fit" chain pin design can be installed by hand, and without the application of mechanical force. DuraMax chain pins can also be inserted into the chain sidebars from either side of the link.



DuraMax CS720SS Chains replace 856, 860, A730, CS730, HS730, CS720SS, 720S, C720, 698, 132, A102B, A102-1/2, and C110 chains, among others.

DuraMax CS720SS Chains are available with standard unicast attachment links, including F2, F26, F28, A2, A42, AD474, AM116, K2, and K10 styles. Custom attachment links are available upon request.

## DURAMAX CS720SS EXTREME-DUTY CHAIN

U.S. PATENTS 7,237,375 B2 and 7,343,730 B2 (MADE IN U.S.A.)