



# DURAMAX<sup>®</sup>

**EXTREME-DUTY BAR SCREENS**  
**DESIGN UPGRADES AND RETROFITS**

10-YEAR WARRANTY • 24/7/365 RELIABILITY • LOWEST LIFE-CYCLE COST

**MAXIMUM STRENGTH. MAXIMUM CORROSION RESISTANCE. MAXIMUM ABRASION RESISTANCE.**

Heavy-duty corrosion resistant stainless steel shafting, or optional carbon steel shafting

200,000 hour self-aligning headshaft take-up assemblies with tapered roller bearings and heavy-duty seals

High torque shaft-mounted drive reducer, or optional chain and sprocket drive assembly

Designed for fully loaded condition

Minimum 200,000 hour reducer bearing life with 1.5 SF

Factory furnished synthetic gear oil and water-proof grease

1.25 SF variable speed motor with greaseable bearings

Corrosion and abrasion resistant Polyurethane, Nylon-6/6, UHMW-PE and stainless steel hunting-tooth segmental chain saver rim headshaft sprockets

DuraMax H78SS, H82SS, or CS720SS cast aerospace-grade stainless steel chain and attachments

Gravity-operated pivoting stainless steel wiper assembly with reversible UHMW-PE wiper blade

All stainless steel frame and housing, or optional finish-painted carbon steel frame and housing, with stainless steel hardware and anchor bolts

Heavy-duty stainless steel rakes with replaceable polymeric or stainless steel teeth

Optional pivoting frame design

Heavy-duty bar rack with clear openings down to 3/8" for maximum removal efficiency  
Jam resistant stainless steel bar rack and chain guides

Corrosion resistant stainless steel or optional carbon steel stub shaft assemblies

Corrosion and abrasion resistant Polyurethane, Nylon-6/6, UHMW-PE, or stainless steel hunting-tooth segmental footshaft sprockets

Chromium-cobalt footshaft sprocket bushings and stub shaft liners

FLOW



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

Need an economical, cost saving solution for your Headworks and Stormwater equipment? DuraMax Bar Screens are today's newest and best available technology for medium and coarse debris removal.

DuraMax Bar Screens are the result of over three decades of applied field research and materials testing, and utilize the first CAST STAINLESS STEEL CHAIN manufactured for the Water and Wastewater Industry. DuraMax Chains are precision cast from aerospace-grade alloys specifically designed for high strength, corrosive and abrasive Bar Screen applications.

DuraMax Bar Screens are designed to provide 20 years of reliable, continuous-duty service *without major component repair or replacement*. Routine life-cycle maintenance costs are substantially reduced, and less than all other mechanical screen designs.

When evaluated over a 20-year design cycle, DuraMax Bar Screens provide the lowest life-cycle cost, and maximum equipment value.



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