

TROLL™ COLLECTOR SYSTEM

GUARDIAN
ENVIRONMENTAL PRODUCTS



TROLL™ Collector System

The TROLL™ Collector System Keeps Working For You!

GUARDIAN

ENVIRONMENTAL PRODUCTS

STRONG • RELIABLE • COST EFFECTIVE

Guardian Environmental Products has applied our extensive experience in application, engineering, and sales of chain and scraper clarifiers to bring a true integrated and customized solution to our customers. Our knowledge has resulted in development of the **TROLL™ COLLECTOR SYSTEM** with components specifically designed to provide the most reliable clarifier system available.

High strength molded non-metallic chain, stainless steel chain, and cast iron chain options provide for the fair evaluation of materials and cost with proper application for your specific requirements. Our engineered molded collector sprockets with high strength hubs are available in multiple material options to match our customer's site specific sludge loads, grit content, tank geometry and customer preference.

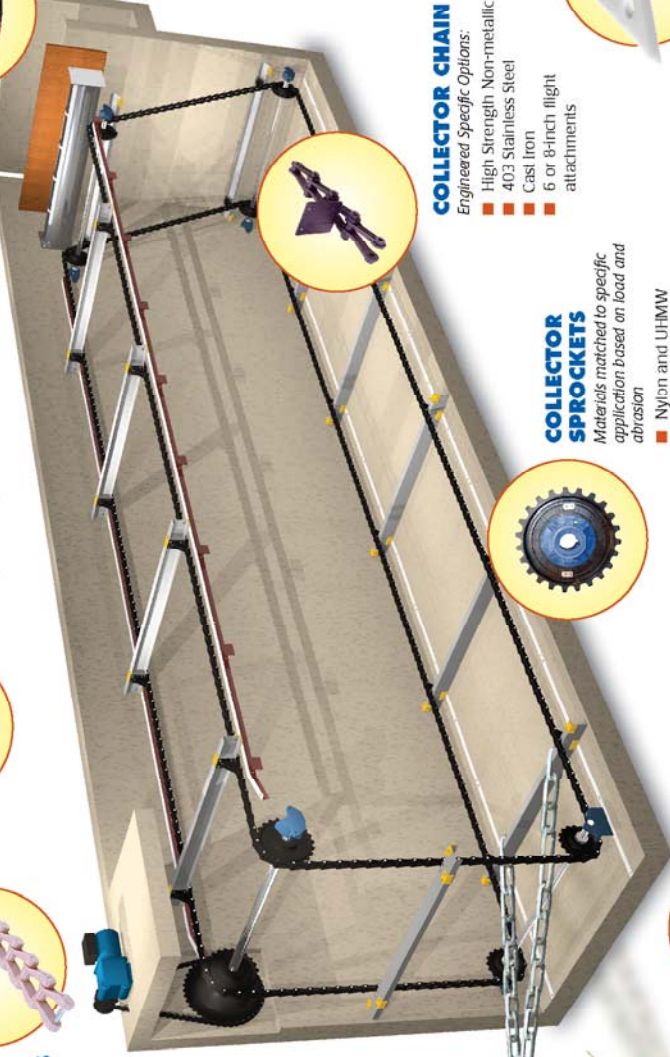
Multiple flight options enable the proper application for the loads while maintaining reasonable cost. Our exclusive Collector Failure Protection (CFP™) Monitoring System ensures that the collector equipment is maximized against failures which result in down time and costly repairs. Our BOSS™ Biologically Optimized Sludge removal system for secondary clarifiers, maximizes rapid sludge removal while optimizing clarification and sludge concentrations.

Like a Monster Troll with unparalleled strength and reliability, the FE Systems **TROLL™ COLLECTOR SYSTEM** will continue to work through the toughest of conditions.

Our objective is simple. Provide a system that is the strongest and most reliable at the most reasonable cost.

FOR MORE INFORMATION
visit our website at

www.guardianenvironmentalproducts.com



DRIVE COMPONENTS

- Engineered to match system requirements and special tank layout considerations
- Non-metallic, stainless steel and cast iron drive chains
- Shear pin drive hub assemblies with replaceable UHMW tooth segments
- Solid body non-metallic or cast iron driven sprockets

COLLECTOR DRIVE UNITS

- Exclusive Collector Failure Protection (CFP™) Monitoring System
- Biologically Optimized Sludge removal System (BOSS™) for biological secondary clarifiers
- Single or multiple output drives
- Integral VFD options

COLLECTOR SPROCKETS

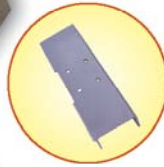
Materials matched to specific application based on load and abrasion

- Nylon and UHMW available
- Integrally molded chain saver rim
- Hunting tooth design
- Split construction
- High-strength hub designs
- Non-binding hardware to prevent solids or rag accumulation



FLIGHTS

- High strength fiberglass
- Ultra high-strength aluminum
- Laminated fir to replace existing redwood
- Stainless steel hardware
- 6 or 8-inch available for standard F26 or F28 attachments



WALL BEARINGS

- Rabbited or UHMW lined
- Split designs for ease of replacement
- Bot patterns designed to match most existing wall anchor locations for retrofit applications
- Static shaft brackets also available in conjunction with sprocket sleeve bearings

COLLECTOR CHAIN

Engineered Specific Options:

- High Strength Non-metallic
- 403 Stainless Steel
- Cast Iron
- 6 or 8-inch flight attachments



WEAR COMPONENTS

- UHMW wear strips
- UHMW wear shoes are reversible to provide two wear surfaces
- Stainless steel hardware
- Cast iron knock-out wear shoes available for cast iron collectors



www.guardianenvironmentalproducts.com

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Your local representative is:

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