



**CAN-AM
CHAINS**



WATER & WASTEWATER

COLLECTION SYSTEMS

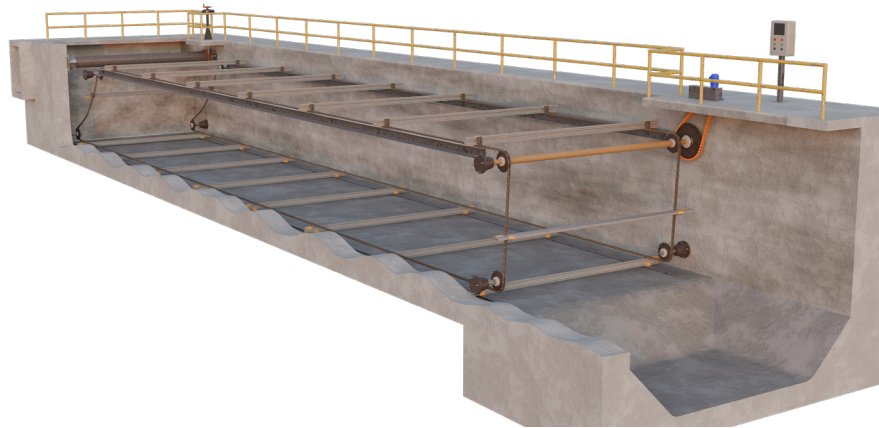
THE CHAIN MANUFACTURER BEHIND THE SYSTEM

With 60 years of chain manufacturing experience, Can-Am Chain provides complete solutions for municipal and industrial wastewater collection systems, including chain, sprockets, flights, shafts, wear components and drives, backed by engineering expertise and field support.

RECTANGULAR CLARIFIER SYSTEMS

COMPLETE CHAIN-AND-FLIGHT COLLECTOR SYSTEMS

Complete chain-and-flight collector systems integrate the chain, sprockets, shafts, flights, wear components, drives, and associated mechanical components required for rectangular clarifier applications.



SYSTEM OVERVIEW

Complete mechanical collector packages for rectangular clarifiers, including new installations, replacement systems and retrofit applications.

MAJOR SYSTEM COMPONENTS

- Drive assembly
- Drive sprocket
- Collector chain
- Shafts
- Idler sprockets
- Flights

- Wear and return shoes
- Wear strips/plate
- Bearings and stub shafts
- Scraper blades/wipers
- Torque or shear-pin protection

ENGINEERING & INTEGRATION

As a System Integrator, Can-Am Chain provides application review, system layout, component selection, chain-pull calculations, drive sizing and dimensional review to coordinate the mechanical components of the collector system.

COLLECTOR CHAINS

METALLIC AND NON-METALLIC CHAIN FOR WASTEWATER COLLECTION

Chain options are available for demanding wastewater collection applications, supported by matching sprockets and associated collector components.



NON-METALLIC CHAINS

Current wastewater families include PC720, NH78, NH45 and NH82 in modified thermoset polymers.



METALLIC CHAINS

Metallic wastewater chain families include WH700, WH715, WH720, WH78, WH132, LXS882, SS111 and WH82, with material options including carbon steel, 316 stainless steel, 410 stainless steel and 416 stainless steel.

WASTEWATER SPROCKETS

DRIVE, IDLER AND SHEAR-PIN SPROCKET SOLUTIONS

Wastewater offering includes welded steel, cast steel, thermoplastic and thermoset sprockets for collector and drive applications.

SYSTEM INTEGRATION

For complete collector systems, Can-Am Chain coordinates sprocket selection with the chain, shafting, bearings, flights and drive system so the mechanical components work together as an integrated package.



FLIGHTS & WEAR COMPONENTS

COLLECTOR COMPONENTS BUILT AROUND THE COMPLETE SYSTEM

Wastewater component offering includes flights and the wear and scraping components required around chain-and-flight collector systems.



FRP FLIGHTS

FRP flights provide excellent corrosion resistance with lightweight, high-strength construction designed for demanding wastewater environments. Their durable, non-corrosive design helps reduce maintenance while providing reliable long-term performance in chain-and-flight collection systems.

ALUMINUM FLIGHTS

Aluminum flights provide corrosion resistance and can be recycled at end of service life. A slotted mounting face simplifies flight alignment and eliminates the need for a filler block.

WEAR COMPONENTS

Wear Guard makes wear monitoring simpler and more predictable. Wear Guard UHMW features two integral layers molded in contrasting colors: a black, cross-linked and UV-stabilized wear surface engineered to resist sliding abrasion, and a distinctive orange lower layer that provides a clear visual indication when replacement is approaching.



SHAFTS, BEARINGS & DRIVES

MECHANICAL COMPONENTS FOR INTEGRATED COLLECTOR SYSTEMS

Support for wastewater collector systems includes shafting, wall-mount stub shafts, bearings, and associated drive and protection components.



DRIVES & PROTECTION

Complete drive assemblies can be specified and supplied to match the collector system and operating requirements, including drive sprockets, gear reducers, motors, shear-pin arrangements and torque-protection components. Integrating the drive with the chain and collector components provides a single point of responsibility for the complete mechanical system.

ENGINEERING & SYSTEM INTEGRATION

FROM COMPONENT SELECTION TO COMPLETE MECHANICAL INTEGRATION

60 years of product manufacturing experience, combined with application and field support, helps integrate chain-and-flight equipment into new and existing wastewater systems.



RETROFIT ENGINEERING

Existing equipment is evaluated, critical dimensions are verified, and replacement or modernization solutions are developed for chain, sprockets and collector components.

MANUFACTURING

Application engineering is connected directly with chain, sprocket and mechanical component manufacturing and supply capabilities.

RETROFIT & REPLACEMENT

UPGRADE EXISTING COLLECTORS WITH CAN-AM CHAIN COMPONENTS

Existing chain-and-flight equipment can be reviewed to develop replacement or modernization packages around existing tank geometry, operating conditions, and mechanical interfaces.



EXISTING EQUIPMENT EVALUATION

Existing chain and sprockets, flights, shafts, bearings, wear components, drive arrangements and collector geometry can be reviewed to define the replacement or retrofit scope.

INFORMATION TO PROVIDE

To evaluate a retrofit or replacement, provide available drawings, chain designation and dimensions, photographs, tank dimensions, operating speed, drive information and details of known wear or failure issues.

PROJECTS & INSTALLATIONS

PROVEN WASTEWATER APPLICATIONS

Can-Am has supplied components to the wastewater industry for nearly 20 years, with installations across much of North America and more being added regularly.

Talk to us about USA-made chains, sprockets and other components designed to support reliable plant operation.

