

*Polychem*SYSTEMS

Non-Metallic Chain & Flight Sludge Collectors

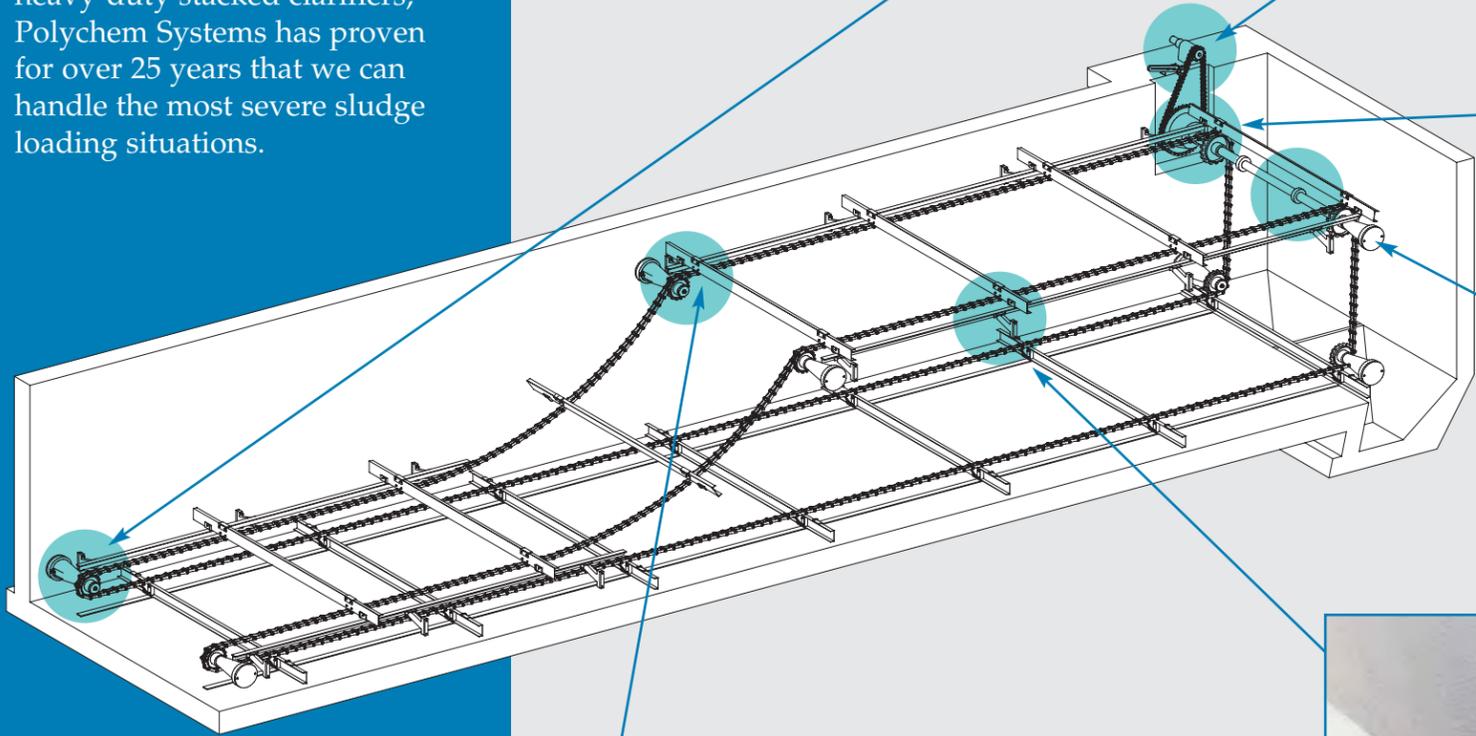


Non-Metallic
Components for:
Rectangular Clarifiers;
Cast Nylon Bucket Grit Elevators;
Dissolved Air Flotation (DAF) Systems;
and Drag Flight Grit Classifiers.

*Polychem*SYSTEMS
DIVISION OF BRENTWOOD INDUSTRIES, INC.

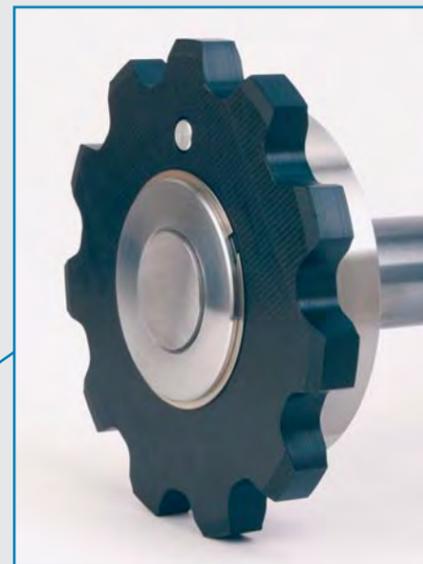
With over 10 thousand systems and 5 million feet of collector chain in operation, Polychem Systems has become the industry standard for performance and reliability and the company that design engineers the world over turn to for their chain & flight sludge collector systems.

Operating in clarifiers over 300 feet long (90 metres) and 33 feet (10 metres) wide, as well as in heavy-duty stacked clarifiers, Polychem Systems has proven for over 25 years that we can handle the most severe sludge loading situations.



Stub Shafts

Easily-installed idler stub shaft assembly made of Cast Nylon-6 with self-lubricated bearing.

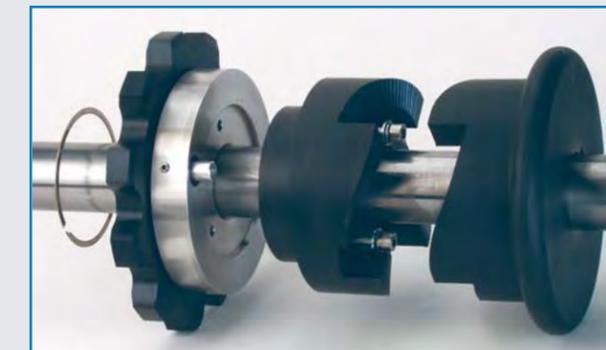


Shear Pin Sprocket Assembly

Non-metallic drive sprocket with stainless steel hub for NH-78 drive chain.

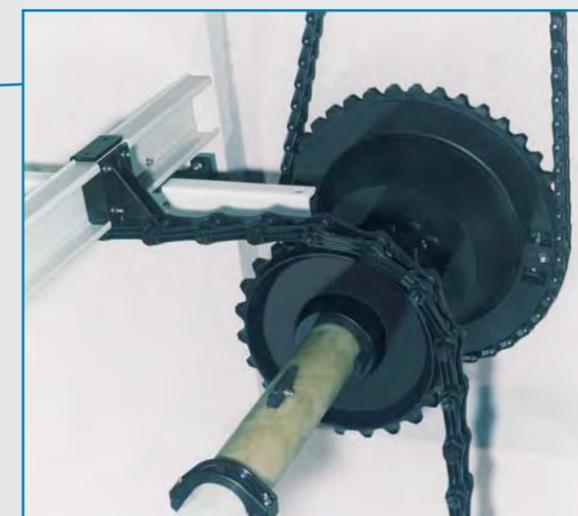
Jaw clutch assemblies for dual output drives.

Jaw Clutch Drive Sprocket Assembly



Sprockets

NH-78 driven sprocket and NCS-720-S headshaft sprocket, with chain-saver rims.



Headshaft Assembly

Biaxially-wrapped fiberglass, non-metallic, telescoping headshaft assembly.



NCS-720-S Chain

6" pitch, non-metallic chain. No special tools required for assembly.

Flights

Fiberglass flight and non-metallic chain attachment link, Cast Nylon-6 wear shoes and wall brackets with fiberglass return rail, and low-friction, non-metallic, self-lubricating wear strip.

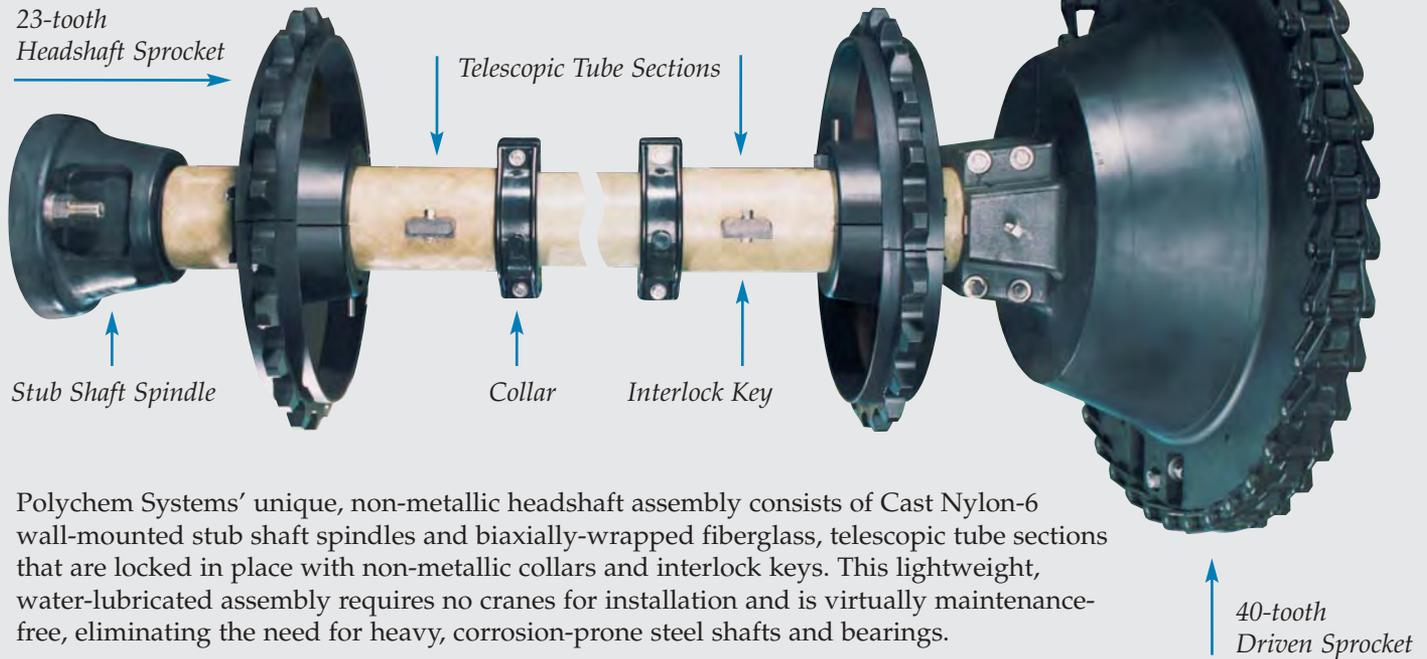


Return Rail Assembly

Cast Nylon-6 wall brackets, fiberglass rail, and self-lubricating wearstrip provide low friction guide for flights.



Shaft Assemblies

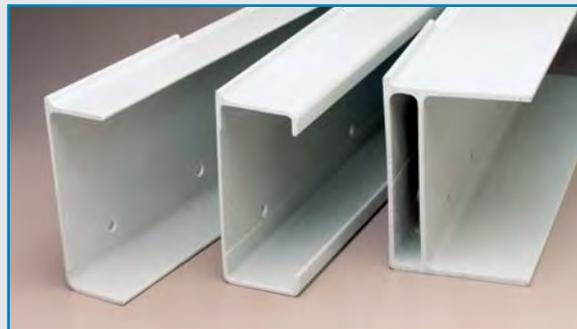


Polychem Systems' unique, non-metallic headshaft assembly consists of Cast Nylon-6 wall-mounted stub shaft spindles and biaxially-wrapped fiberglass, telescopic tube sections that are locked in place with non-metallic collars and interlock keys. This lightweight, water-lubricated assembly requires no cranes for installation and is virtually maintenance-free, eliminating the need for heavy, corrosion-prone steel shafts and bearings.

Clarifier Flights



Ultra Flight
with Standard Attachment



C-Channel Ultra Flight Box Flight



Box Flight
with Ultra Attachment

Polychem Systems' fiberglass clarifier flights and attachments are engineered for the performance requirements of each application:

"C-Channel", the industry standard, is designed with continuous fiberglass filament and mat running the full length of the flight.

"Ultra Flight", "Box Flight", and "Ultra Attachment" provide superior strength characteristics for wider tank or extreme sludge loading applications.



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