



ISO 9001:2015 CERTIFIED

GEE ESS ENGINEERING WORKS

AN ISO 9001:2015 CERTIFIED COMPANY



ALWAYS USE "GEC" CHAINS
CUTDOWN PRODUCTION DOWNTIME LOSSES

www.geeessengineeringworks.com

ABOUT US

GEE ESS manufactures a wide range of malleable, all-steel fabricated, and forged chains, including long pitch and heavy-duty chains from 2.5" to 12" pitch for conveying and elevating applications. Our chains are renowned for their strength, ruggedness, and durability, serving plants, OEMs, and various machinery worldwide. We continually innovate and improve our manufacturing processes in a technologically advanced environment to ensure maximum performance under strenuous conditions. Our precision techniques, modern machinery, and rigorous quality controls, including heat treatment, ensure superior pitch accuracy, shear strength, impact, and wear resistance.

MANUFACTURING FACILITIES

- Highly trained engineers ensure quality and accuracy throughout production.
- Close control is maintained on all operations, ensuring uniform quality.
- Proper heat treatment is applied to pins, bushes, and rollers based on material specifications and tested before assembly.
- Modern power presses, operated by skilled technicians, ensure perfect side link alignment with compound dies for accurate pitch.
- Side links undergo alignment, crack detection, and hardness testing after heat treatment.
- Multiple heat-treating processes are employed, adhering to IS standards and material requirements to enhance characteristics.



OUR PRODUCTS



CHAINS FOR FEEDER TABLE

Made from carbon steel, with operations to enhance strength and wear resistance. Pins and bushes are case carburized and hardened.



FORGED CHAIN FOR WASHING TABLE

Drop forged chains, easy to assemble/disassemble, with forged double (T) head pins for extended life.



CHAINS FOR CANE CARRIER

High-quality steel chains with strengthened components, tailored to client specifications for optimal performance.



BLOCK FORGED CHAIN

Forged from selected steels, designed to withstand heavy loads without breakdown.



CHAINS FOR BOILER STOCKER & WELDED STEEL CHAINS

Alloy steel chains for wear resistance and shock load durability, with customizable attachments.



INTERMEDIATE CARRIER ROLLER CHAINS

All steel chains for high loads, featuring stainless steel parts for smooth operation.



CHAINS FOR BAGASSE CARRIER

Heat-treated steel chains with durable components for strength and wear resistance.



DIFFUSER CHAINS

Conveyor chains for diffuser systems in the sugar industry, made from corrosion-resistant materials. Available in various sizes with solid inner plate links and solid stainless pins.



TRASH CONVEYOR CHAIN

Pin-to-type chains for juice strainer and trash elevator applications, made from alloy steel links and stainless steel pins.



JUICE STRAINER (CUSH-CUSH) CHAINS

Chains for juice strainer applications, made from all stainless steel parts. Links are cast in Stainless Steel 316L, and pins are made from Stainless Steel 321.



HOLLOW PIN CHAINS

Versatile chains with through-bore holes for easy attachment mounting. Ideal for coating conveyors and packaging.



CAST ELEVATOR CHAINS

Durable chains made from malleable cast iron or forged steel. Perfect for elevators and conveyors in harsh environments.



CHAIN FOR WATER TREATMENT SYSTEM

Reliable chains for water treatment equipment, ensuring efficient operation.



K1, K2 ATTACHMENT CHAINS

Chains with specific attachments for various industrial uses, including water treatment systems.



K3 & LA2 ATTACHMENT CHAINS

Specialized chains with additional attachments for enhanced functionality in industrial processes.



FLANGED ROLLER CHAIN

Designed with flanged rollers to reduce friction and wear. Ideal for conveyors with heavy loads and severe operating conditions.



WIRE MESH CHAIN CONVEYOR

Made for easy handling and using heavy-duty wire mesh. Features ease of operation and installation, low maintenance, and suitability for high-temperature applications.



HEAVY DUTY STEEL ROTARY & DRIVE CHAINS

Rugged steel chains for slow to moderate speed applications with severe loading. Suitable for sugar mills and heavy-duty conveyors.



SUGAR ELEVATOR CHAINS

Standard chains with K2 attachment at alternate links, available with various attachments like K1, K2, A1, A2, and O4.



CHAINS FOR INTER CARRIER (FORGED & MALLEABLE)

Made from high-quality alloy malleable iron or forged steel, with durable pins and bushes.

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RECLAIMER CHAINS

Cost-effective and efficient chains with anti-dust properties, designed for reclaimers with extended wear life. Customizable to meet specific operational challenges.



DOUBLE PITCH CONVEYOR CHAINS

Chains with twice the pitch of a standard roller chain, used for low-speed transmission and handling. They are lighter and cheaper than standard chains of the same strength.



FORK TYPE CHAIN (FOR BULK CONVEYOR)

Used in bulk conveyors, this chain has forked links for effective handling of bulk materials. Commonly used in industries requiring robust and durable chain solutions.



BUCKET ELEVATOR CHAINS

Manufactured from high-quality alloy steels as per international specifications. These chains are used in bulk material handling plants and silo storage systems.



CHAIN FOR STEEL INDUSTRY

Specialized chains for the steel industry, designed to withstand high temperature and heavy loads. These chains are essential for efficient and reliable operation in steel manufacturing processes.



FLOW CONVEYOR CHAINS

Roller-less drag type chains widely used in bulk material handling plants and silo storage systems. Made from stainless steel and carbon steel.



SCRAPER CONVEYOR CHAIN

A load-bearing friction component used in scrapers, formed by sequentially connected links. These chains are made from high-quality steel and include pre-assembled parts for high stress and wear resistance.



APRON CONVEYOR

Used in industries for handling bulk materials like cement, clinker, ore, sand, and coal. Constructed with interconnected links and pins for impact absorption, making them suitable for challenging conditions.



SINGLE-STRAND FORGED LINKS

Made from high-quality steel, heat-treated for strength and durability, perfect for heavy-duty applications.



TWIN-STRAND FORGED LINKS

Featuring two parallel chains for enhanced load distribution and strength, heat-treated for maximum wear resistance and reliability.



SEALED JOINT BUCKET ELEVATOR CHAINS

Designed with a sealing method to retain lubricants and keep out debris. Used in environments where durability and cleanliness are crucial.



BUSHES

Serves as bearings for pin rotation and rollers. Case carburized and ground for durability and smooth operation.



PINS

Connect chain links with an interference fit, hardened or sorbited for strength and corrosion resistance.



SIDE LINKS

Determine chain pitch, constructed straight or offset, hardened for wear resistance and longevity.



ROLLERS

Minimize sprocket scrubbing and friction in conveyors by rolling, not sliding. Carburized for enhanced wear resistance and strength.



FORGED LINKS

Made from quality steels with alloy or stainless steel pins and bushes, designed for heavy loads and extended service life.



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SLATS FOR SUGAR INDUSTRY

Pressed steel channels for cane carriers and conveyors, formed for accuracy and durability.



SPROCKETS FOR SUGAR INDUSTRY

Made from carbon steel plate (EN-8) with mild steel bosses. Profiles are laser cut and normalized to remove fabrication stresses. Teeth are flame hardened for wear resistance.

**FOR TOP PERFORMANCE ALWAYS USE
"GEC" INDUSTRIAL CHAINS**



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GEE ESS ENGINEERING WORKS

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