



TUV NORD
Certified

Expertise in
Automation &
Optimization of
**Conveyor Chains
& Mill Spares**
Worldwide



PR
ENGINEERING WORKS
An ISO 9001:2015 Certified Company



Precision in Every Crystal with Automated Solutions



From Technical Consultancy and Design Drafting to Precision Manufacturing

In the aggressive environment of sugar production there is an ongoing requirement for refurbishment and replacement of plants and equipment in all areas of the process. P R Engineering Works Group is a combined business uniquely equipped to serve the industry with a full spectrum of essential engineering services to ensure customers equipment is in the best condition to maintain essential processes.



Inspection, Survey and Consultation

In the demanding environment of sugar production, there is a constant need for the refurbishment and replacement of plants and equipment across all stages of the process. P R Engineering Works Group offers a comprehensive range of engineering services, uniquely positioned to support the industry. With expertise in maintaining and optimizing equipment, we ensure that our customers operations run smoothly and efficiently, minimizing downtime and preserving critical processes.

Industry Leading Steel Processors

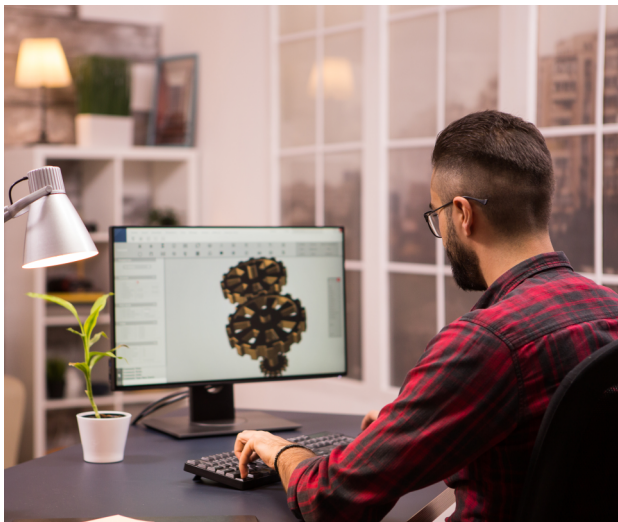


With decades of in-house expertise in metal processing and fabrication, we leverage advanced technologies and modern techniques to provide tailored, high-quality solutions for our clients. From laser cutting and punching to bending and welding, our skilled team ensures precise, reliable results, delivering projects on time and within budget.



Design and Drawing Service

Design and technical drafting are integral to our services. We generate detailed technical drawings either from our comprehensive site surveys or in collaboration with you to develop a complete design brief tailored to your fabrication requirements. Our team works closely with you to enhance and optimize plant and equipment, providing support throughout the entire development process.



Leaders in Laser Profiling and Fabrication

From Survey to Design to Production – Your One-Stop Engineering Solution

P R Engineering Works Group was founded in 1991, initially to support the mechanical handling division. It was quickly recognized that the available production capacity exceeded in-house demands, leading to a business model focussed on providing laser-cut, formed, and fabricated components to a diverse range of customers involved in manufacturing various types of machinery and equipment.

In recent years, P R Engineering Works has also extended its capabilities to support the Group's site service division, delivering custom fabrications as required.

Since its inception, the laser division has operated independently while benefiting strategically from being part of the larger Group. This affiliation has allowed continuous investment in cutting-edge technology, giving the division a competitive edge in product efficiency and quality. The recent installation of the latest, and likely most advanced, laser technology in the country underscores this commitment to excellence.



Manufacturing Capabilities

In the 2015, the company has evolved into a highly efficient lean enterprise, operating from a modern, well-equipped manufacturing facility. This facility is at the forefront of technological innovation, utilizing the best-in-class production techniques to meet the ever-increasing demands for precision, quality, and efficiency. Key technologies include fiber laser technology for precision cutting, plasma cutting for processing thicker material sections, CNC (Computer Numerical Control) machining for unparalleled accuracy in complex part fabrication, and robotics for automating repetitive tasks, ensuring consistency and boosting production speed.

The Group's structure is a critical asset, as it provides the internal infrastructure necessary to integrate advanced production management systems seamlessly. These systems are designed to optimize production workflows, minimize waste, and ensure that every stage of the process—from raw material input to final product—meets the highest standards of quality and efficiency. This allows the company to remain competitive while delivering consistent, reliable products in a timely manner.

All manufacturing operations are conducted in full compliance with the ISO 9001:2015 standard. This internationally recognized certification ensures that the company maintains a rigorous quality management system, where every quality objective is closely monitored and meticulously controlled. The adherence to ISO 9001:2015 ensures that processes are continuously reviewed and refined to improve customer satisfaction, operational efficiency, and product quality.

Furthermore, the company's emphasis on safety is woven into every layer of its operations. The production environment is designed and maintained with the utmost focus on workplace safety, ensuring that all processes not only meet but exceed industry safety standards. This creates a secure and productive environment for employees, while also ensuring that the final products are made to the highest safety standards for the end user.

Through this combination of lean principles, cutting-edge technology, and adherence to internationally recognized quality standards, the company is well-positioned to deliver top-tier products that meet the evolving needs of the industry while remaining cost-effective, reliable, and sustainable.



LASER CUTTING CAPABILITIES

- Mild and carbon steel up to 22 mm.
- Stainless steel up to 12 mm.

FLAME CUTTING AND PLASMA CUTTING

- Machine bed size of 3 m x 1.5 m.
- Flame cutting up to 80 mm.
- Plasma cutting up to 20 mm.





Press Technology

We operate CNC Synchro press brake machines with capacities up to 220 tons and 4000 mm in length for large-scale projects, alongside smaller machines with a 2000 mm gap and 100 mm stroke for high-volume production of smaller parts. Additionally, we use conventional presses ranging from 50 to 300 tons, offering versatile solutions for a wide range of pressing needs.



Welding and Fabrication

Our welding and fabrication capabilities encompass both manual and robotic welding, enabling P R Engineering Works to produce a diverse array of components with superior accuracy and quality. The integration of advanced robotic technology enhances consistency and precision, while our skilled manual welding team ensures meticulous craftsmanship for complex or custom projects. This dual approach allows us to handle everything from large-scale productions to intricate, bespoke parts, delivering solutions that meet the highest standards of durability and performance.





Comprehensive Technical Solutions

- Specialized engineers handle chain sprocket inspection and maintenance.
- Mechanical handling equipment troubleshooting and problem-solving.
- Supply of premium conveyor chains and related spares.
- Replacement of conveyor and elevator sections or complete systems.
- Comprehensive repair and maintenance services for all types of chains and sprockets.
- Manufacturing and installation of fabrications using pre-hardened plate, stainless steel, or standard materials.

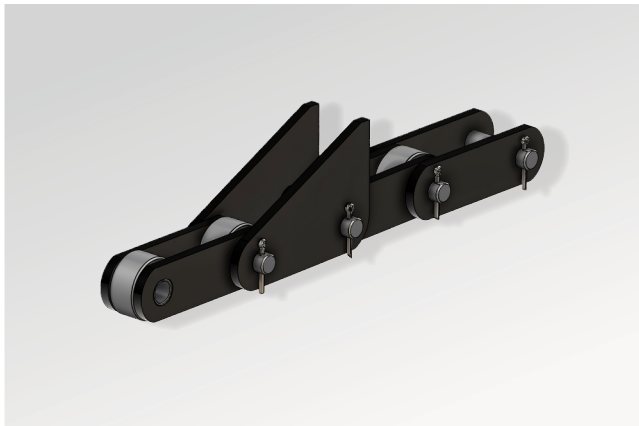


SAFETY FIRST

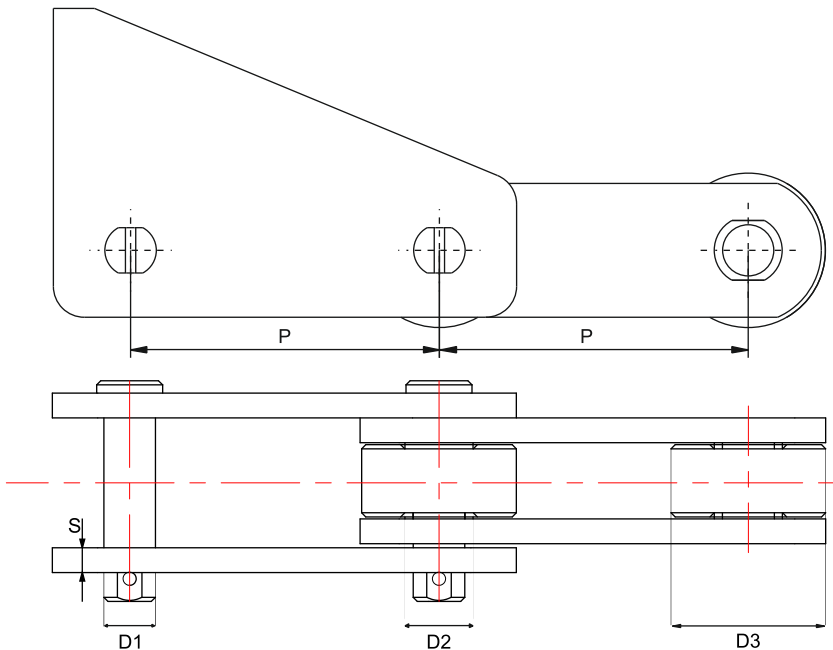
We are dedicated to ensuring a healthy and safe environment for all employees, while also safeguarding contractors, customers, visitors, and any other individuals impacted by our operations.

Our commitment is realized through the assessment of significant risks, the design of safe work systems, and the elimination of hazards wherever reasonably practicable. This dedication is embedded in our company HSE policy is deeply ingrained in the daily culture of our business.

Feeder Tables Chain



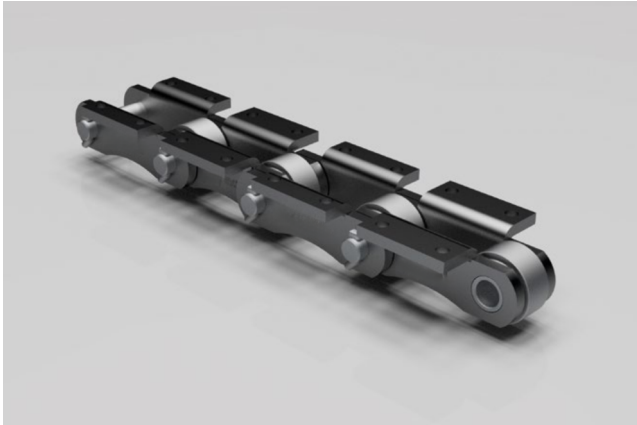
This series includes chains made from carbon steel, low carbon alloy steel, and medium carbon steel. Links are precision-processed, hardened, and tempered for enhanced strength and resistance to elongation. Feeder table chains come with breaking strengths from 20,000 to 60,000 kgf



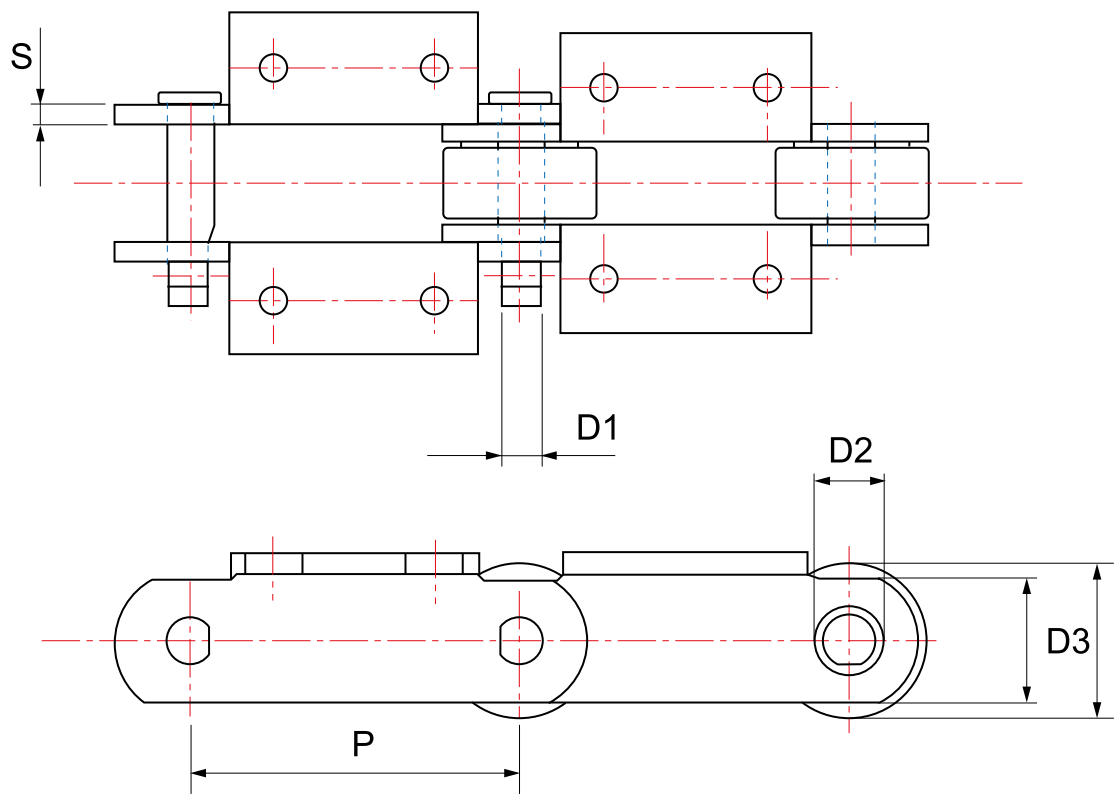
Feeder Tables Chain						
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	ROLLER DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(D3)	(S)
1	PRF100P812	100MM	16	25	50	8
2	PRFT127P1020	127MM	22	30	65	10
3	PRFT150P1020	150MM	25	32	70	10
4	PRFT150P1240	150MM	25	33	75	12
5	PRFT150P1440	150MM	28	35	75	14
6	PRFT15240P1240	152.40MM	25	33	76.2	12
7	PRFT15240P1240	152.40MM	28	35	76.2	12

*Customized sizes can be manufactured according to specific requirements.

Main Cane Carrier Chain



Cane carrier chains are robust, engineering-grade components designed to handle the demanding conditions of sugar mills. Leveraging extensive expertise, P R Engineering Works (PREW) meticulously selects premium materials and applies advanced heat treatment techniques to enhance durability and extend service life. Each chain undergoes precise calibration during manufacturing to ensure optimal alignment, delivering smooth and efficient performance.



Main Cane Carrier Chain						
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	ROLLER DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(D3)	(S)
1	PRC100P612	100	14	20	50	6
2	PRC101.6P815	101.6	14	20	40	8
3	PRC127P815	127	16	25	50	8
4	PRC150P1025	150	23	30	75	10
5	PRC150P1240	150	25	33	75	12
6	PRC150P1250	150	28	35	75	12
7	PRC150P1450	150	28	35	75	14
8	PRC15240P1240	152.40	25	33	76.2	12
9	PRC1540P1240	152.40	28	35	76.2	12
10	PRC200P1660	200	30	40	90	16
11	PRC200P1680	200	32	42	90	16
12	PRC200P1680	200	34	42	95	16

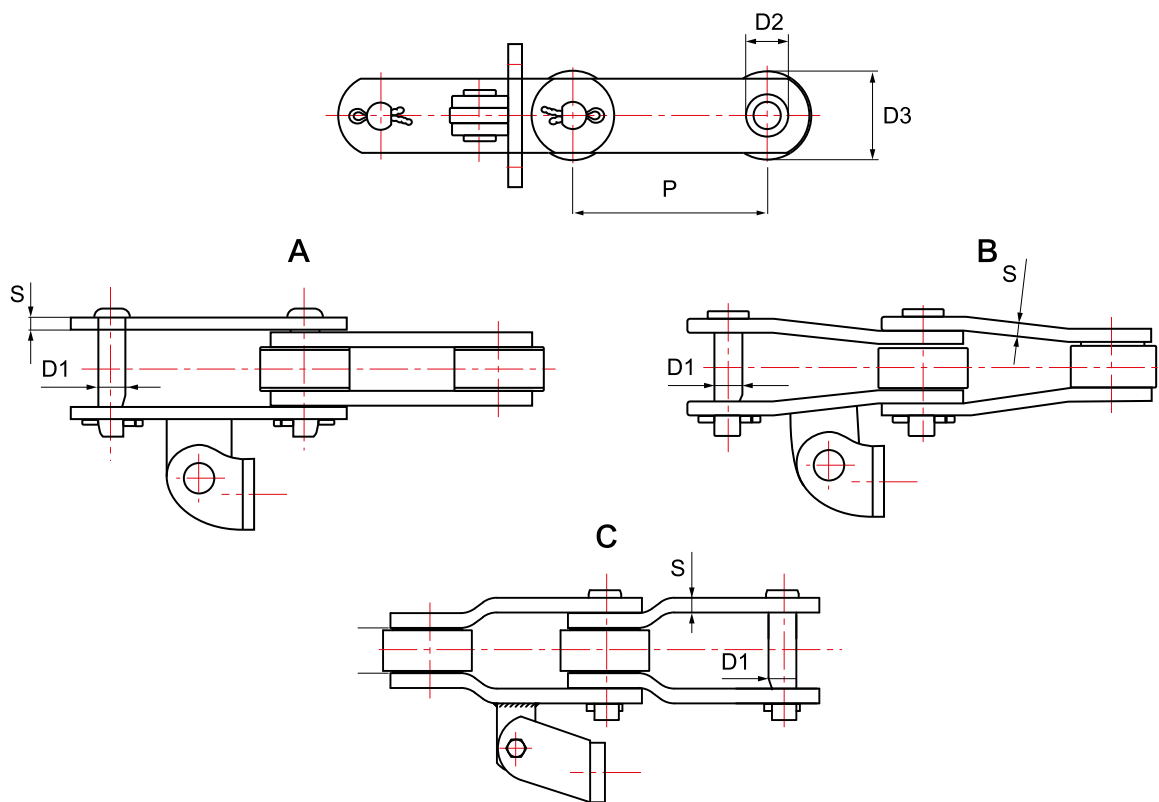
*Customized sizes can be manufactured according to specific requirements.

Return Bagasse Carrier Chain



P R Engineering Works (PREW) intermediate carrier chains are designed to withstand the highly corrosive conditions of continuous operation in raw sugar juice. To combat this, the chains are crafted from corrosion-resistant materials. Additionally, swivel attachments enable self-alignment of the strands during operation, compensating for any mismatches and ensuring smooth, reliable performance.

ROLLER CONVEYOR WITH ATTACHMENTS



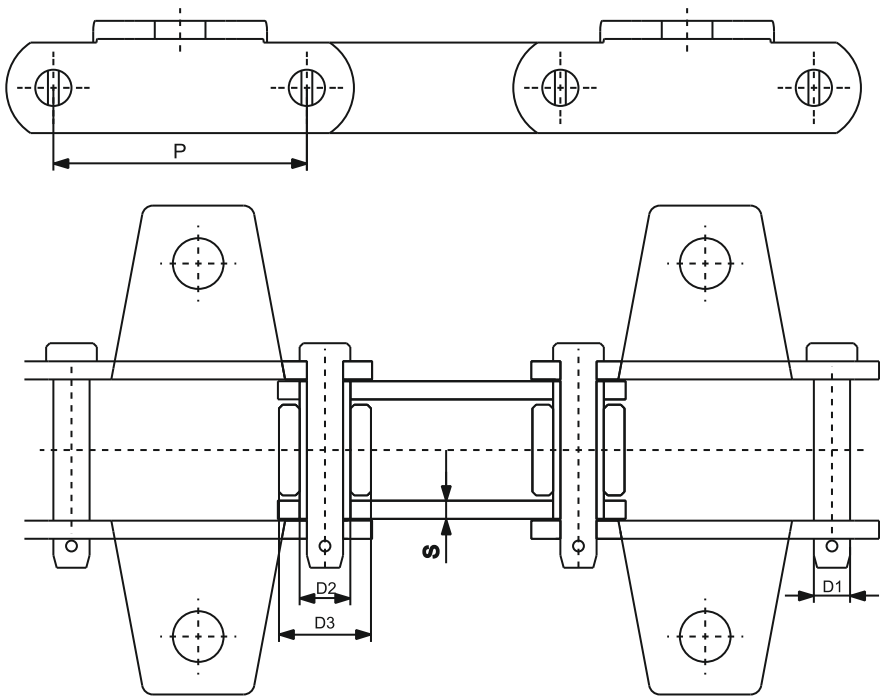
Return Bagasse Carrier Chain						
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	ROLLER DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(D3)	(S)
1	PRC100P612	100	14	20	50	6
2	PRC1016P815	101.6	14	20	40	8
3	PRC127P815	127	16	25	50	8
4	PRC150P1025	150	23	30	75	10
5	PRC150P1240	150	25	33	75	12
6	PRC150P1250	150	28	35	75	12
7	PRC150P1450	150	28	35	75	14
8	PRC15240P1240	152.40	25	33	76.2	12
9	PRC1540P1240	152.40	28	35	76.2	12
10	PRC200P1660	200	30	40	90	16
11	PRC200P1680	200	32	42	90	16
12	PRC200P1680	200	34	42	95	16

*Customized sizes can be manufactured according to specific requirements.

Stacker Chain



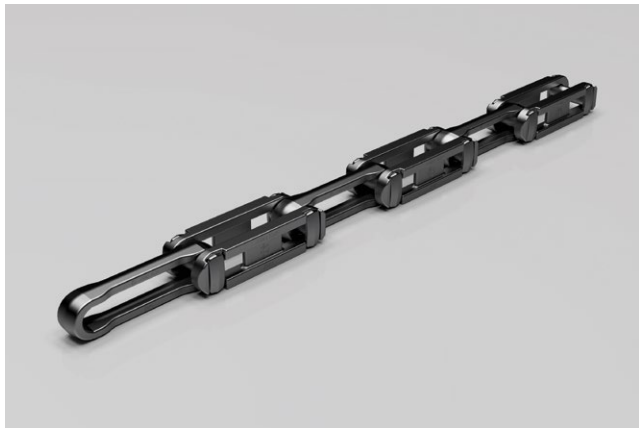
This series is designed for stacking sugar bags in the sugar industry, engineered to be robust and operate at high speeds. These sugar bag stackers are vital components of automated material handling systems, optimizing the efficiency of bulk material handling and storage. By automating the stacking process, they significantly enhance productivity, reduce manual labor, and improve overall operational efficiency. Additionally, their high-speed operation ensures quick turnaround times and consistent performance, making them essential for managing large volumes of sugar bags with minimal downtime and increased accuracy.



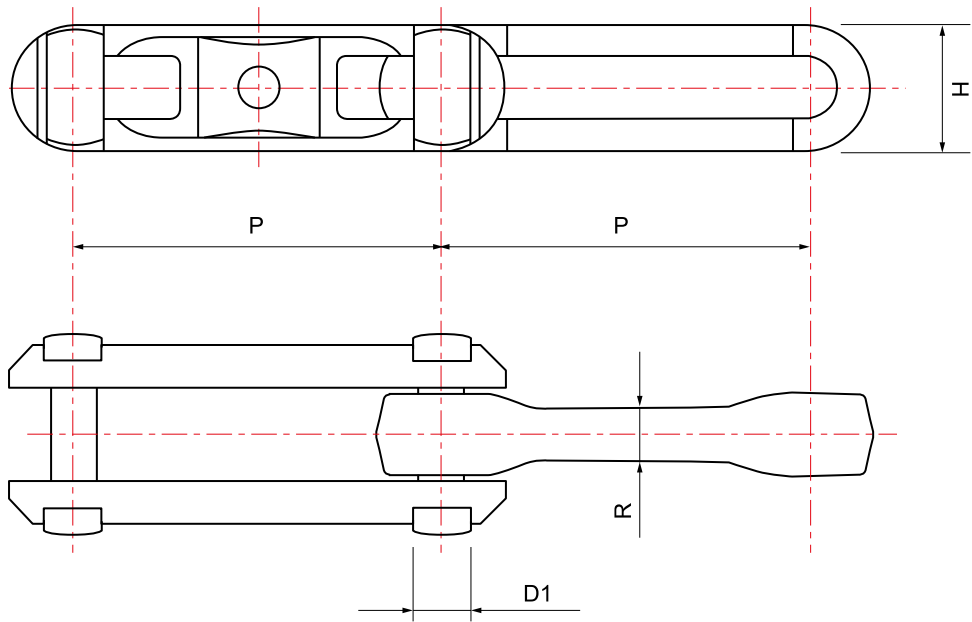
Stacker Chain						
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	ROLLER DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(D3)	(S)
1	PRS66P67	66	10	14	22	5
2	PRS70P67	70	10	14	24	5
3	PRS75P67	75	10	14	25	5
4	PRS762P67	76.2	10	14	25	5

*Customized sizes can be manufactured according to specific requirements.

Drop Forged Chain



This chain features a robust and straightforward construction, making it ideal for use in cane infeed conveyors. It is designed to be versatile, allowing for the rotation of components to provide fresh sliding surfaces and the pin to be rotated 180 degrees, ensuring that unworn sections make contact with the inner link. This design enhances the chain’s effective lifespan. Typically, the components are made from heat-treated high-alloy steel, further increasing durability and performance.



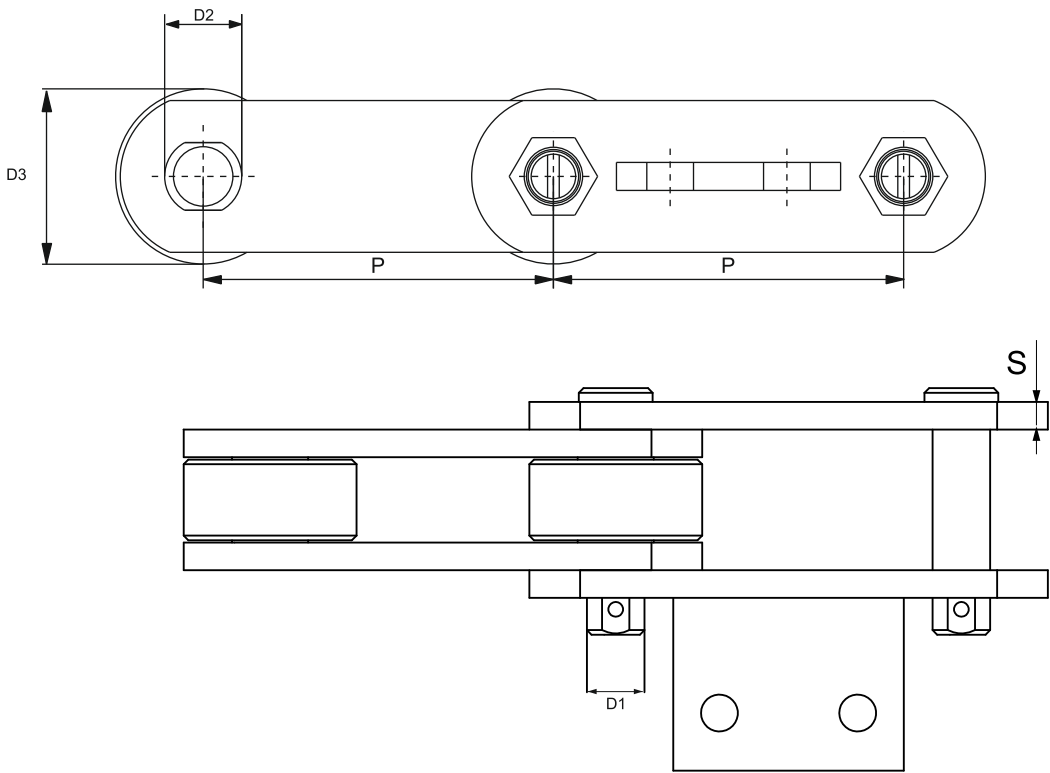
Drop Forged Chain					
SR. NO.	CHAIN NO.	PITCH	PIN DIA	HEIGHT	INNER LINK
		(P)	(D1)	(H)	(R)
1	PRDF762128	76.2	12	27	12
2	PRDF10161616	101.6	16	35	16
3	PRDF152405028	152.40	22	50	12
4	PRDF2296645	229	28	68	68

*Customized sizes can be manufactured according to specific requirements.

Rack Carrier Chain



This series of chains is used in the sugar industry to handle heavy loads and resist juice corrosion. Rake carrier chains are constructed from high-chromium steel alloys and nickel alloys, which offer excellent corrosion resistance for use in harsh environments. They undergo heat treatment to enhance performance and durability. Available in various sizes, rake carrier chains can be customized to meet specific requirements.



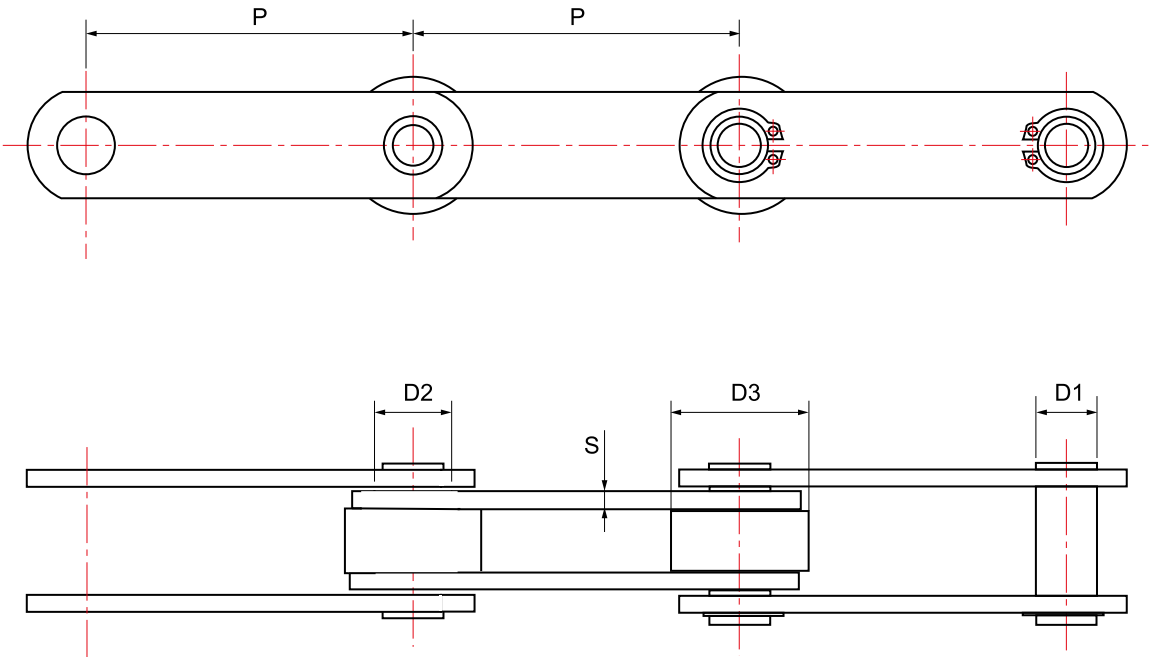
Rack Carrier Chain						
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	ROLLER DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(D3)	(S)
1	PRRC150P1240	150	25	33	75	12
2	PRRC150P1260	150	28	35	75	12
3	PRRC229P1260	229	30	38	90	12

*Customized sizes can be manufactured according to specific requirements.

Cane Harvester Chain



Harvester chains feature heat-treated sidebars for increased strength and case-carburized pins, bushes, and rollers to ensure optimal abrasion resistance. These chains are part of the RB series, which includes riveting of hollow bearing pins to enable the installation of cross rods or bolts through the chain strands. This design enhances durability and functionality in demanding agricultural applications.



Cane Harvester Chain						
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	ROLLER DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(D3)	(S)
1	PRCH5065	50	10	18	25	6
2	PRCH6665	66	10	18	25	6
3	PRCH70811	70	10	20	30	8
4	PRCH762812	76.2	14	25	32	8
5	PRCH1001015	100	16	25	32	10
6	PRCH101601015	101.60	16	25	38	10
7	PRCH1271020	127	18	28	50	10
8	PRCH1501230	150	22	32	75	12

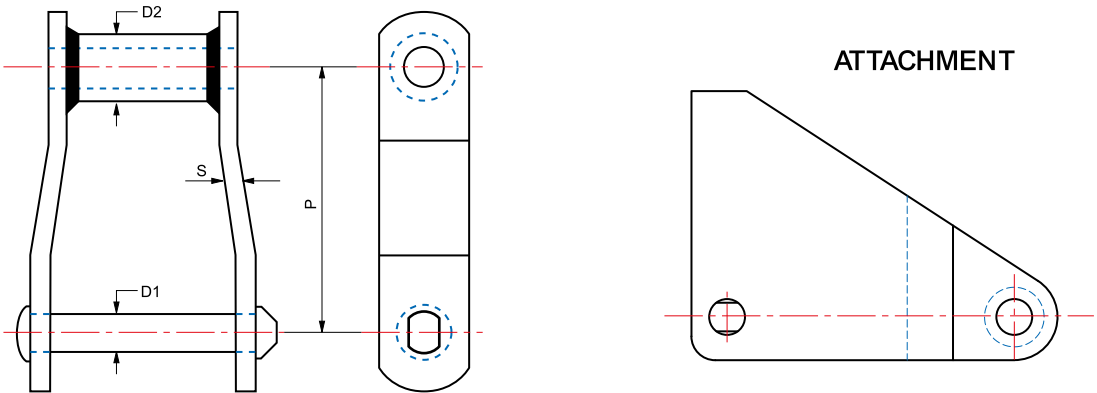
*Customized sizes can be manufactured according to specific requirements.

Welded Steel Chain



P R Engineering chains are exclusively manufactured to WH fully heat-treated specifications, ensuring optimal performance in high-duty sugar mill applications. These chains are typically used on feed and washing tables and comes in standard with an pusher, though other attachments can be accommodated as needed.

P R Engineering also offers a specialized up-rated IBR specification, featuring induction-hardened pins and bushes for superior durability and performance.



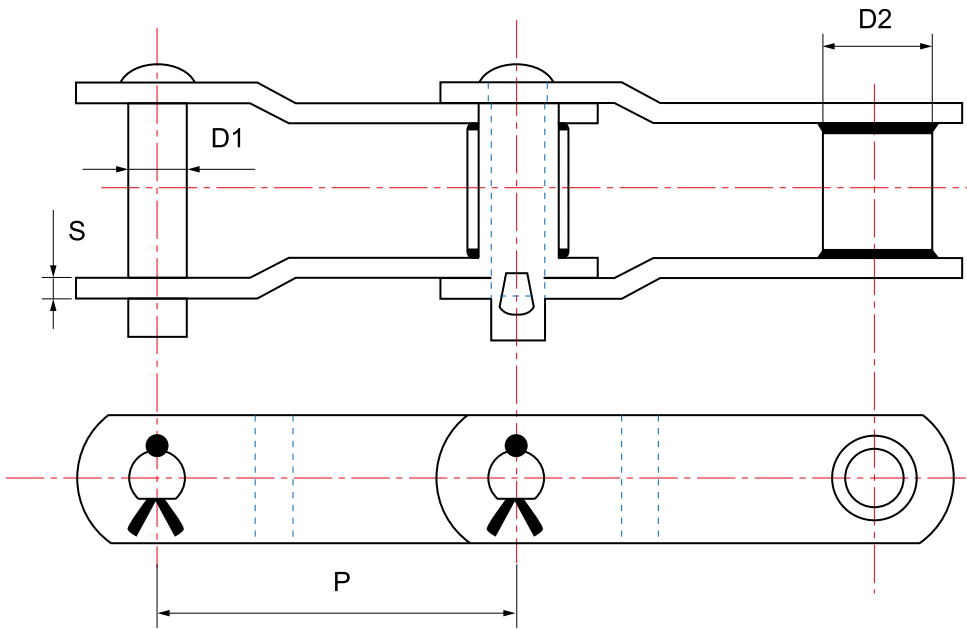
Welded Steel Chain					
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(S)
1	PRCHC5045	50	10	14	4
2	PRCHC705110	70	10	16	5
3	PRCHC762612	76.2	12	18	6
4	PRCHC100612	100	14	22	6
5	PRCHC10140612	101.40	14	25	6
6	PRCHC127815	127	16	28	8
7	PRCHC1501020	150	18	30	10
8	PRCHC152401025	152.40	19	32	10
9	PRCHC1501230	150	25	33	12
10	PRCHC152401230	152.40	25	32	12

*Customized sizes can be manufactured according to specific requirements.

Crank Link Chain



This series is primarily used for bagasse handling in cane sugar processing. The chain functions solely as the haulage member and does not require a carrier roller. Its simplified bush construction is available in standard or stainless round parts and has demonstrated extended and cost-effective performance.



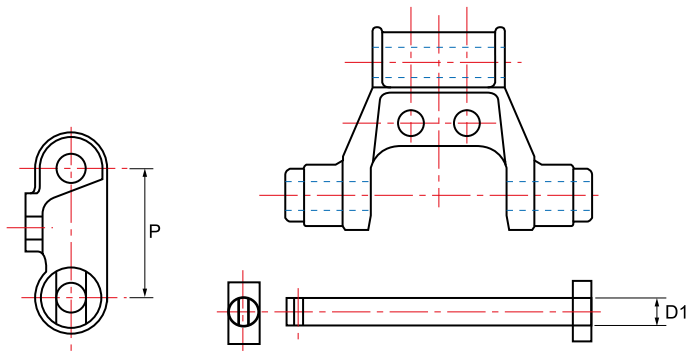
Crank Link Chain					
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(S)
1	PRCLC5045	50	10	14	4
2	PRCLC705110	70	10	16	5
3	PRCLC762612	76.2	12	18	6
4	PRCLC100612	100	14	22	6
5	PRCLC10140612	101.40	14	25	6
6	PRCLC127815	127	16	28	8
7	PRCLC1501020	150	18	30	10
8	PRCLC152401025	152.40	19	32	10
9	PRCLC1501230	150	25	33	12
10	PRCLC152401230	152.40	25	32	12

*Customized sizes can be manufactured according to specific requirements.

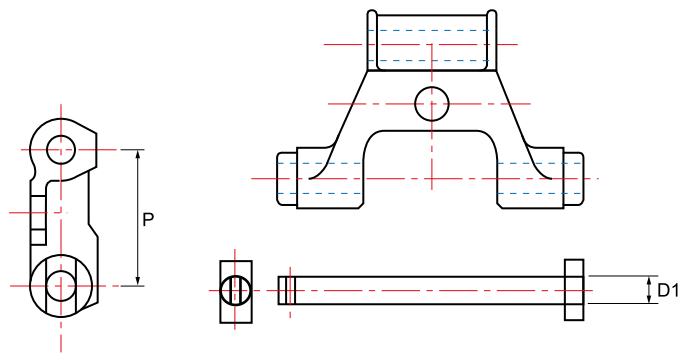
Cast Link Chain



P R Engineering Works' greatest strength is its deep metallurgical expertise, especially in the domain of cast construction chains. The company excels in understanding and applying advanced metallurgical principles to develop robust and reliable cast chains. This expertise spans the selection of high-quality materials, precise casting techniques, and the integration of advanced alloy compositions to enhance performance. P R Engineering Works leverages this extensive knowledge to produce cast chains that are both durable and efficient, meeting the demanding requirements of various industrial applications.



STYLE A



STYLE B

Cast Link Chain			
SR. NO.	CHAIN NO.	PITCH (P)	PIN DIA (D1)
1	PRCL50801422	50.80	14
2	PRCL701422	70	14
3	PRCL7621625	76.2	16
4	PRCL801625	80	16

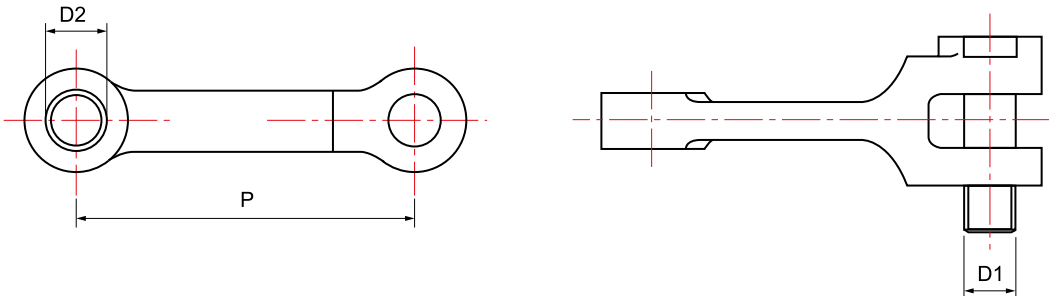
*Customized sizes can be manufactured according to specific requirements.

Intercarrier Chain

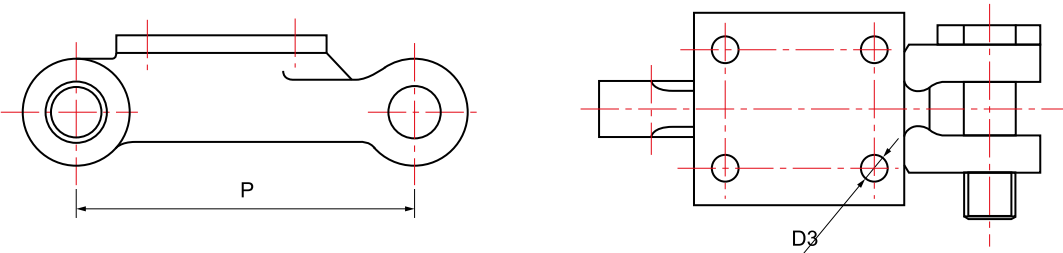


P R Engineering has unique capability to produce custom chains across a wide range of construction methods, materials, and manufacturing processes enabling the company to provide direct replacements for non-standard chains. This series exemplifies this expertise, featuring links made from high carbon steel castings, complemented by alloy steel heat-treated liner bushes and bolted construction. This approach allows continuous improvement in performance and cost-effectiveness. Additionally, upon request, this series can be offered as a forging with a welded K4 top plate, further enhancing its durability and customization

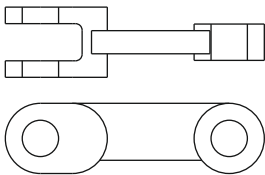
PLAIN LINK



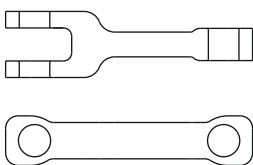
K4 ATTACHMENT LINK



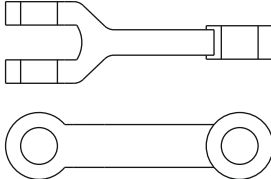
STYLE -A



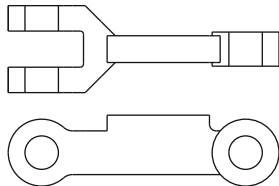
STYLE -B



STYLE -C



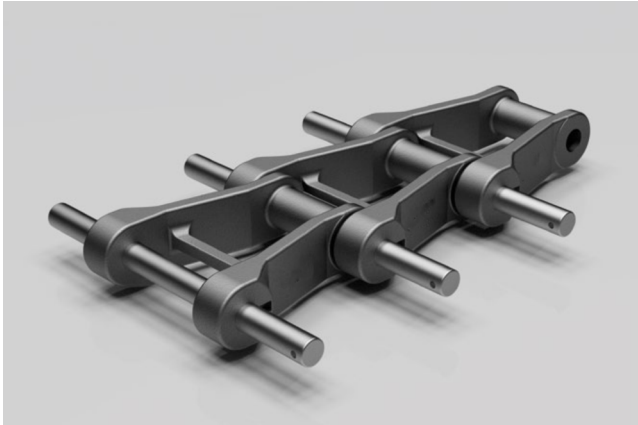
STYLE -D



Intercarrier Chain					
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	BOLT DIA
		(P)	(D1)	(D2)	(D3)
1	PRIIRC1422530	142	25	30	12
2	PRIIRC1502540	150	25	32	16
3	PRIIRC1502850	150	28	34	18
4	PRIIRC2293260	229	32	39	18
5	PRIIRC2293580	229	35	42	18
6	PRIIRC30038100	300	38	44	25
7	PRIIRC30041120	300	42	50	26

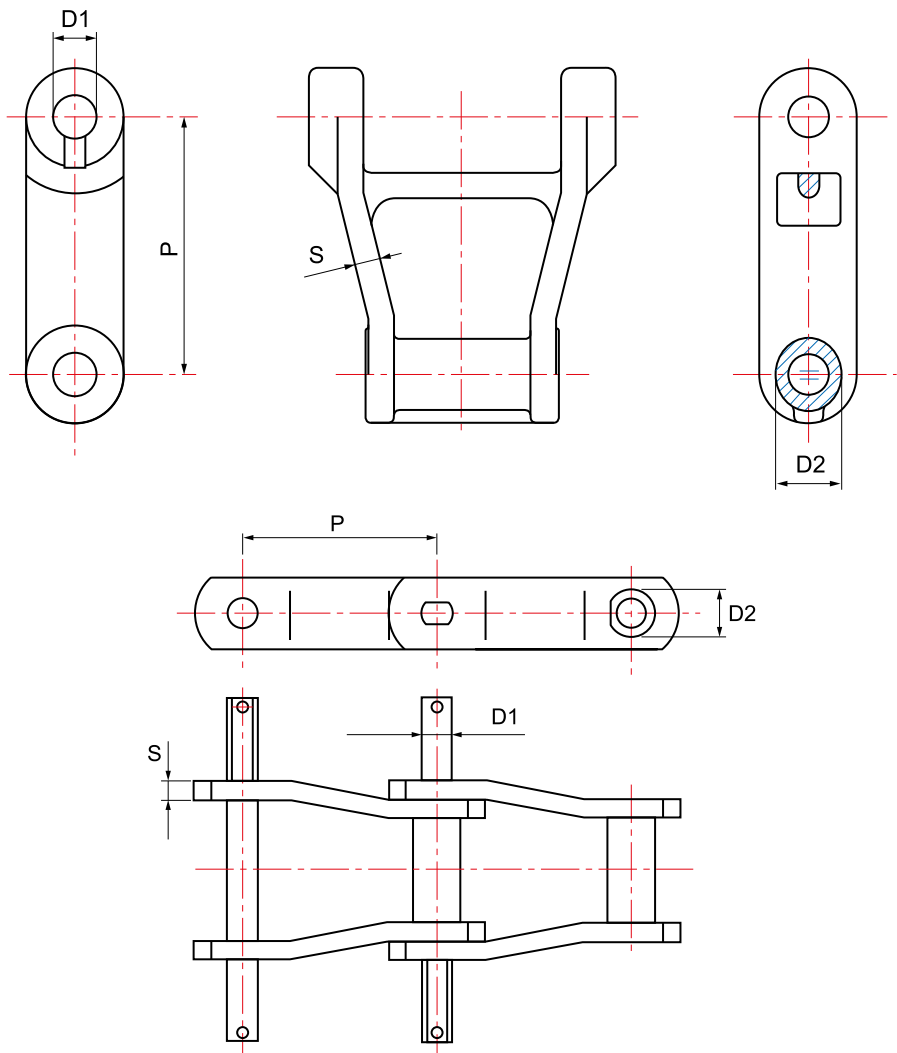
*Customized sizes can be manufactured according to specific requirements.

Boiler Travelling Grate Chain



P R Engineering has in cast chain manufacturing, enabling them to leverage their expertise in developing advanced materials for moving grate applications. These applications operate in hostile environments requiring materials that can withstand elevated temperatures and high abrasion conditions.

In addition to the robust running gear, P R Engineering also offers related grate castings. They manufacture engineered steel versions, tailored to meet the demanding needs of these applications.

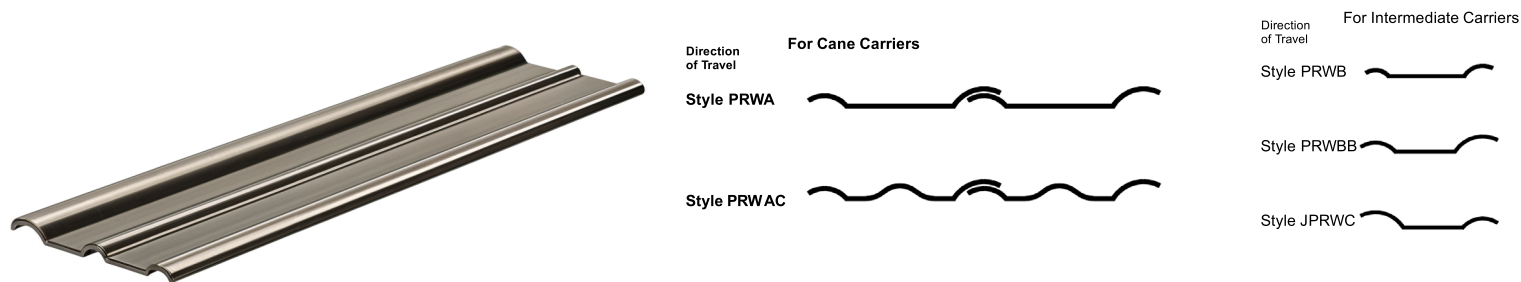


Boiler Travelling Grate Chain					
SR. NO.	CHAIN NO.	PITCH	PIN DIA	BUSH DIA	LINK THICKNESS
		(P)	(D1)	(D2)	(S)
1	PRBG10161422	101.6	14	22	8/10
2	PRBG1271630	127	16	28	10
3	PRBG1501630	150	16	28	10

*Customized sizes can be manufactured according to specific requirements.

Conveyor Slats

P R Engineering has plate conveyor slats that are produced for Main, Auxiliary, and Intermediate Carrier chains. Utilizing a progressive die-forming process, the company ensures a high degree of accuracy and consistency in the manufacturing of these slats. For enhanced durability and resistance to the corrosive effects of sugar cane acids, the slats can also be galvanized.



Rake Elevators

P.R. Engineering’s Rake Elevators, designed for sugar mill applications, are engineered to facilitate the efficient transfer of fibers and materials from one milling stage to the next. Installed within the mill, these elevators ensure smooth and consistent material handling. Their precision-engineered design enables instantaneous and uniform feeding, optimizing the throughput of the milling process. The robust rake mechanism ensures efficient transport of crushed cane with minimal energy input, providing a reliable and energy-efficient solution. This design enhances material flow continuity, contributing to increased operational efficiency and overall mill performance.



Sprockets



P R Engineering operates a dedicated in-house sprocket manufacturing division, utilizing the latest technology to produce chain sprockets. These sprockets are available in both cast and fabricated forms. Additionally, options for segmental or split construction facilitate easy and cost-effective replacement.

Precision Conveyor Chains & Mill Spares for Optimal Performance



Our Third Division Is Taking Shape!

As we expand our operations, our third division encompasses a total area of 87,120 Sq.Ft, further strengthening our capabilities to serve clients across industries. This new division brings cutting-edge technologies, enhanced production capacity, and advanced engineering capabilities, reinforcing our commitment to delivering top-tier engineering solutions. We continue to grow, innovate and build for the future.



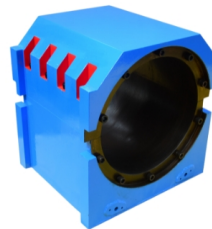
Other Products



Spur Gear



Trash Beam-5278



Bearing Housing
Assembly-2977



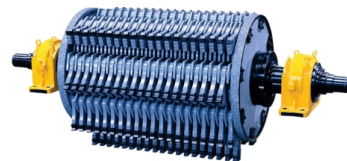
Bronze Bearing Liner



Drive Chain



Cane Carrier Chain Slats
Assembly



Fabizier5



C.S. Crown Pinion_2995



Block Bar Type Diffuser Chain



Sampling Cock



Mill Roller Shaft



Mill Roller Shaft



Rake 1



TRPF Roller 5



Scraper Plate



Mill Roller

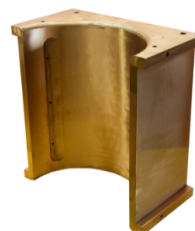
Other Products



C.I. Scraper Plate-1



Sprockets



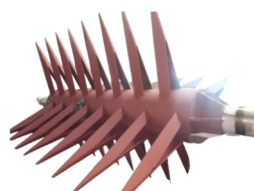
Bronze Bearing Housing



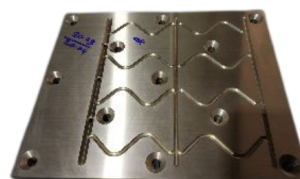
Knife



Trash Plate Bolt



Cane Kicker



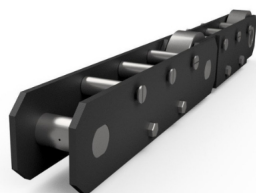
Gun Metal Wear Plate



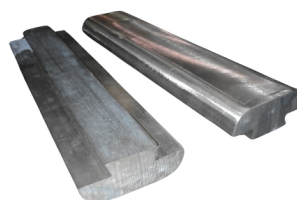
Worm & Worm Wheel
removebg-Preview



Gun Metal Bush



Diffuser Chain Assembly



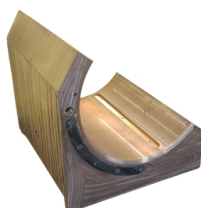
Wedge



Shaft With Sprocket
Assembly



Hammer 1

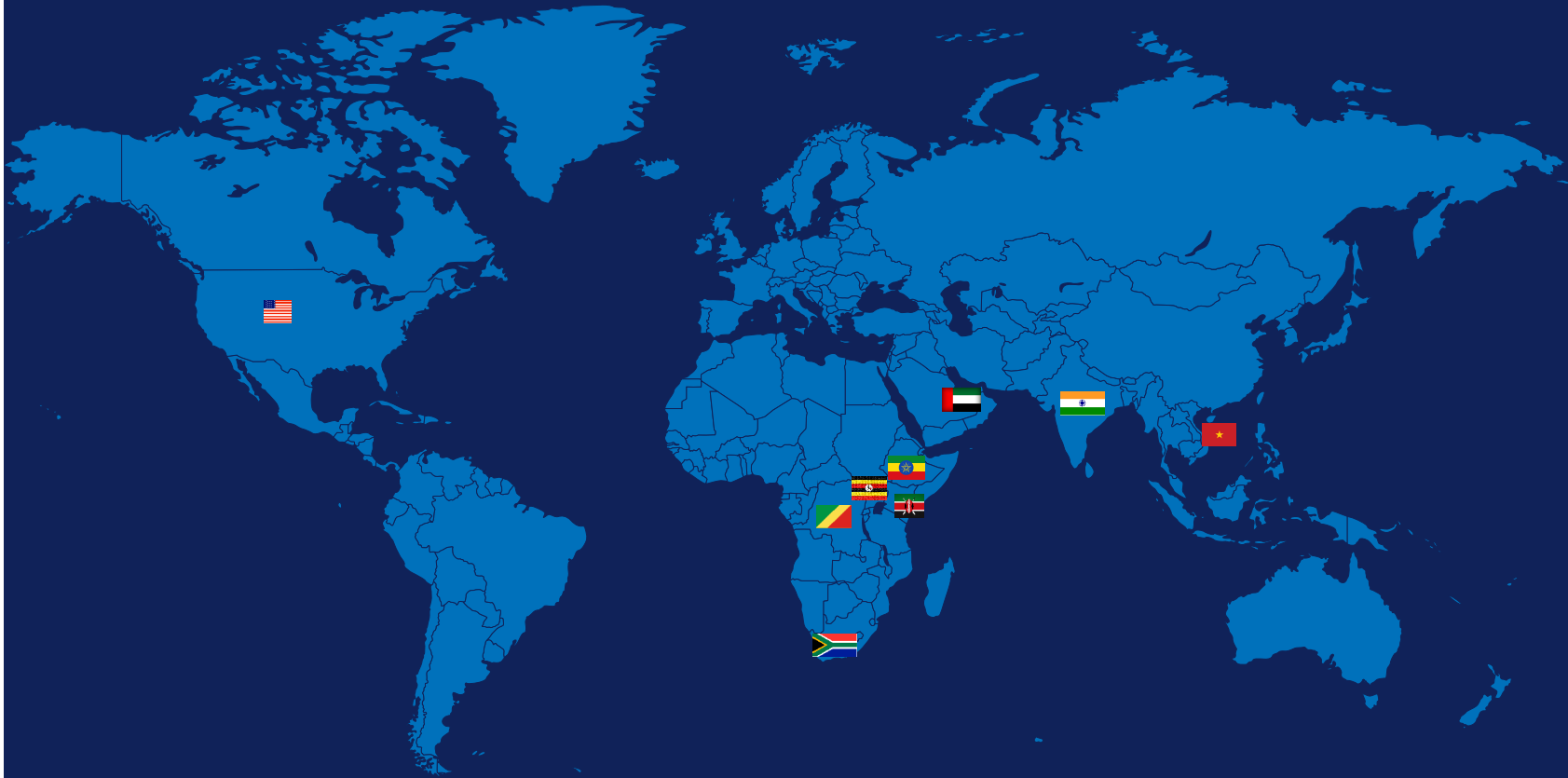


Bronzer Bearings



Tufr Scraper Plate

Global Experts in Conveyor Chain Automation and Mill Spare Optimization



www.prengeeringworks.com



P R ENGINEERING WORKS

An ISO 9001:2015 Certified Company

📍 F-F-24, Flve Star MIDC, Kagal-Hatkanangale,
Kagal, Kolhapur, Maharashtra, 416216
✉ info@prengeeringworks.com
sales@prengeeringworks.com
☎ +91 916858 7372 / +91 937031 0790