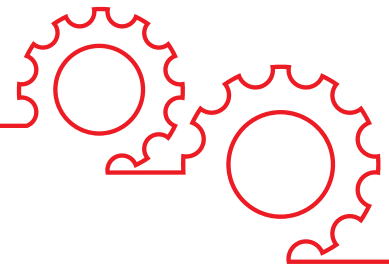


Chains And Spockets For **CEMENT INDUSTRY**



ROLCON
ENGINEERING CO. LTD.





Research & Development

On the contrary to the belief that tensile strength is the only parameter deciding the quality and wear life of the chain, wear resistance also prolongs the life of the chain during operation. Understanding the wear resistance is more complex, as it does not have any measuring terms like KN/KGS/LBS.

BETTER PERFORMANCE:

The elongation measured in percentages depends on the wearing of the chain components. Thus, determining the life of the chain. The norm states that the chain shall be changed or replaced after 2% elongation happens. Thus it becomes an important aspect to know when and at what time this 2% elongation will happen. Even if the assumption of elongation ranges in a high percentage from 3 to 6, it's an indication only of a numeric value, but the time in which it happens also becomes an important consideration.

As per our experience, we would like elongation to be at 3%, but the time taken in our chain is much longer as compared to an even higher percentage given by any other manufacturers. So, the most important factor is, therefore, as to how long before a chain reaches its life span of 3% elongation.

We believe that design is not the only consideration of tensile strength, and factors related to wear resistance are also important. Due to KÖBO's consistent R&D, OEM co-operation, and feedback, it has achieved new development in the Cement chain industry. Its superior heat treatment like induction hardening of components is best in business and ensures an accurate process of heat treatment.

This will achieve a longer wear life of the chain. Rolcon's innovation in the Cement chain industry after years of experience is suitable for toughest working condition. Rolcon's other important aspect is to ensure higher fatigue life of the chain and components, for which the same is subject to shot-peening process.

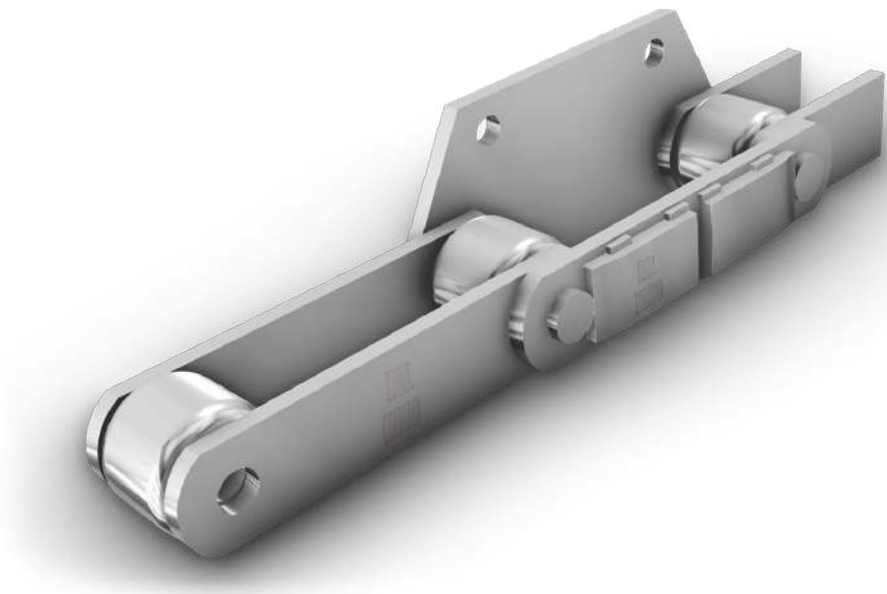
Rolcon uses a higher roller dia, which imparts smoother roller rotation. Pre-loading of the chain ensures firm fits of the chain components. Hence, it establishes a precise chain length and prevents the initial elongation of the chain during the running-in period of the chain.

An assembled chain is pre-loaded to 1/3rd of the ultimate strength, which ensures no chain component will fail under the working condition, as the working load is normally 1/7th or less. (As per DIN 8195) of the ultimate strength, which would mean that you have the factor of safety of 7/3 before the chain leaves the factory.

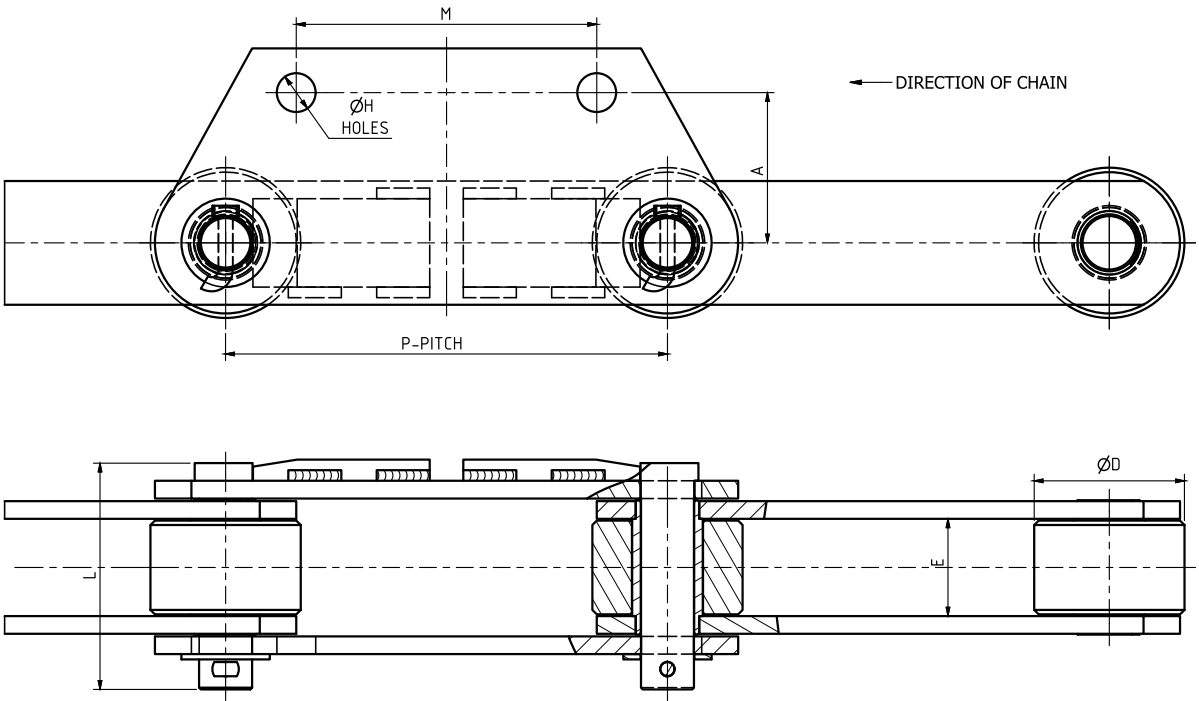
Our experienced technical engineer can provide hands-on solutions with matter & design can deliver high performance and increase tensile strength of the chain. We are state-of-the-art sprocket manufacturer facilities that ensure proper fitment with the chain.

A new sprocket with a new chain must obtain maximum life from the Rolcon chain. On the contrary to the belief that tensile strength is the only parameter deciding the quality and wear life of the chain, wear resistance also prolongs the life of the chain during operation. Understanding the wear resistance is more complex, as it does not have any measuring terms like KN/KGS/LBS.

RECLAIMER CHAINS

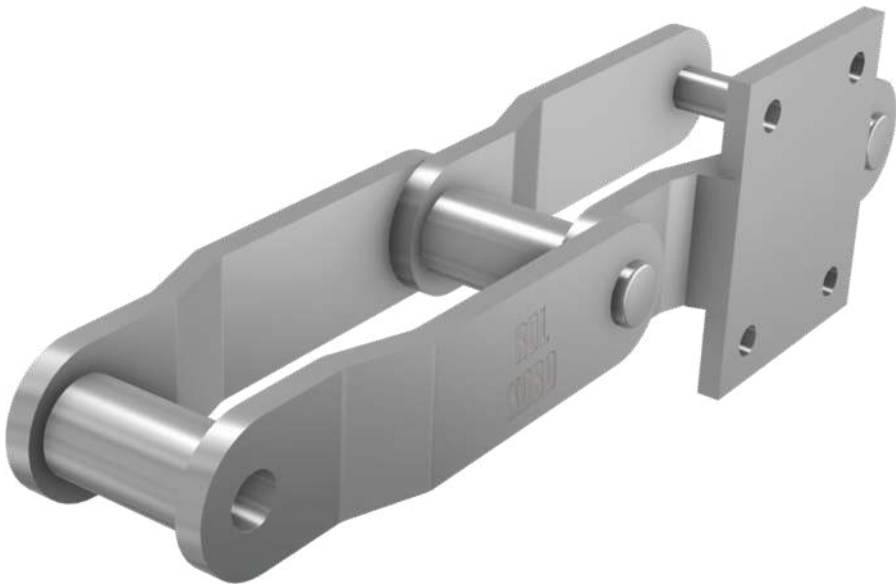


Technical Details

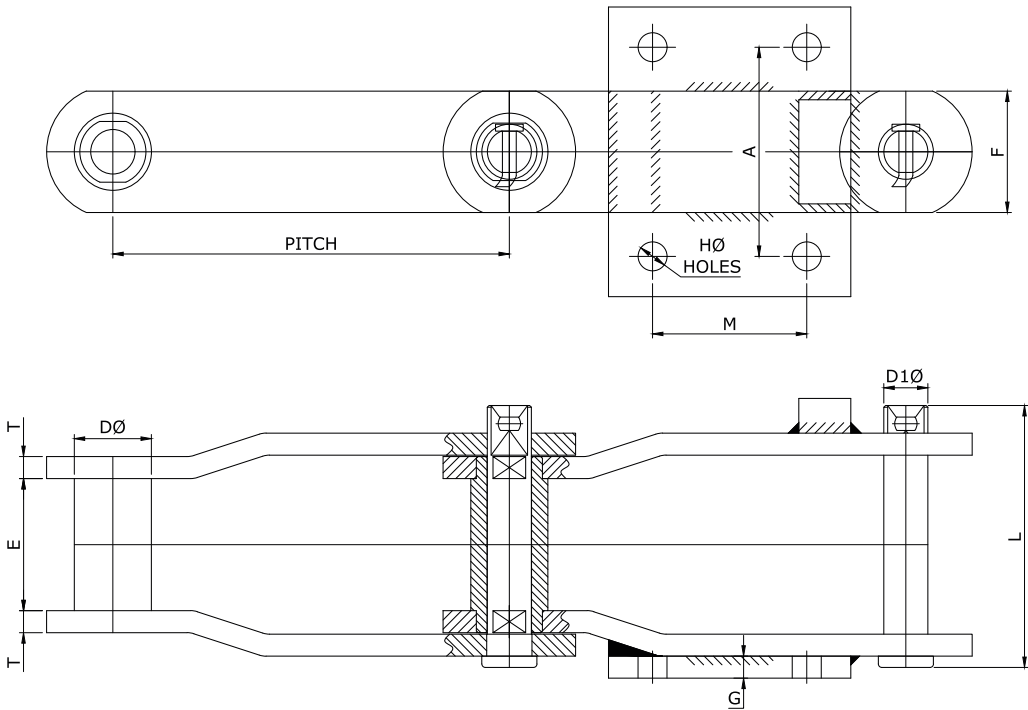


PITCH	BREAKING LOAD	Dø	E
250 MM	20,000	85	36
250 MM	1,10,000	113	57
315 MM	50,000	120	50
315 MM	94,500	110	66

OFFSET LINE - A TYPE BUCKET ELEVATOR CHAINS



Technical Details

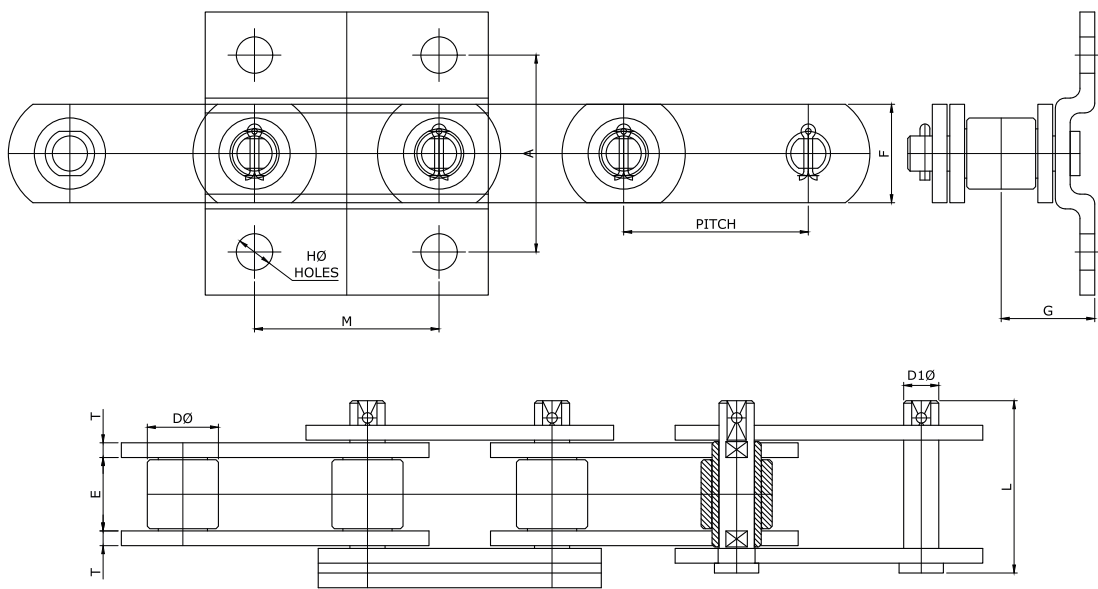


PITCH INCH	BREAKING LOAD	D1Ø	E
9"	87,000 Lbs.	25.4	63.5
9"	1,00,000 Lbs.	25.4	63.5
9"	1,55,000 Lbs.	25.4	63.5
9"	1,64,000 Lbs.	34.9	57.7
9"	1,86,000 Lbs.	34.9	57.7
9"	2,24,000 Lbs.	38.1	76.2

ROLLER TYPE BUCKET ELEVATOR BUSHED CHAIN



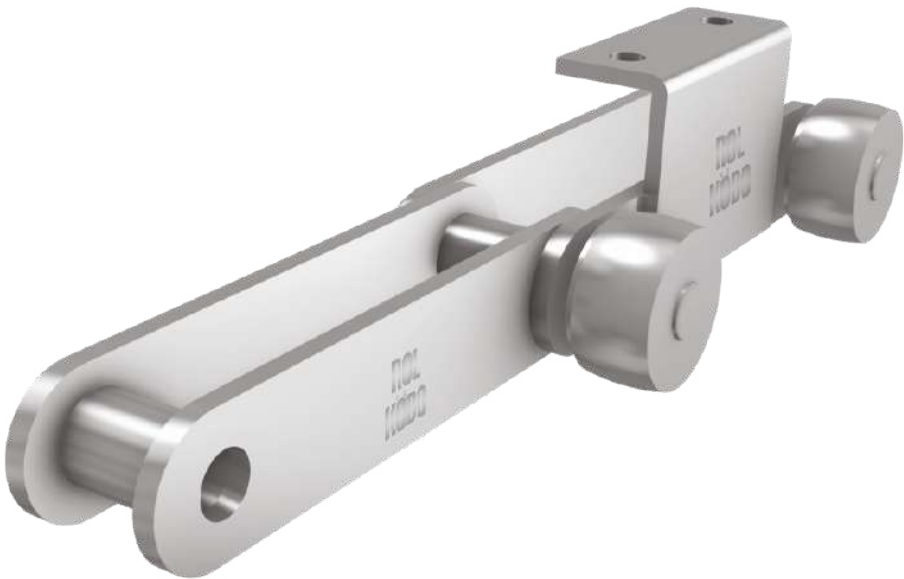
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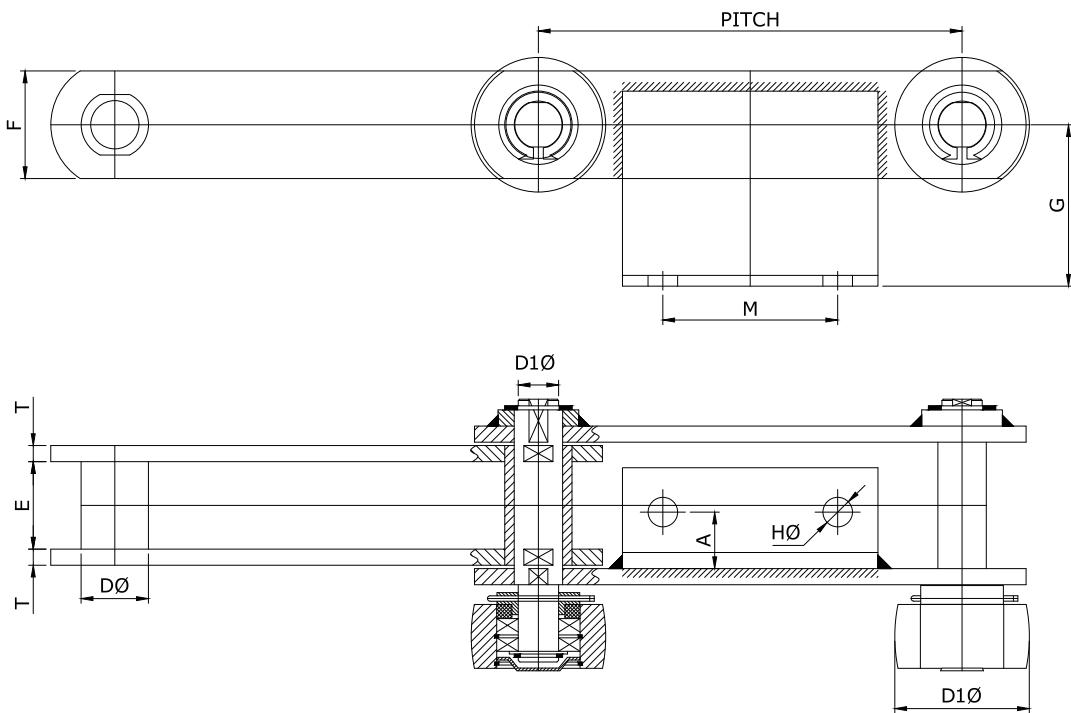
PITCH	BREAKING LOAD (Kgs.)	L	DØ	E
75 MM	16,000 Lbs.	71	29.00	30.00
75 MM	16,000 Lbs.	90	29.00	30.00
75 MM	16,000 Lbs.	70	28.90	29.80
75 MM	32,000 Lbs.	78	28.92	30.00
75 MM	32,000 Lbs.	70	28.90	29.80
75 MM	25,000 Lbs.	90	34.90	30.00

PITCH	BREAKING LOAD (Kgs.)	L	DØ	E
76.2 MM	22,500 Lbs.	85	34.90	37.10
76.2 MM	25,000 Lbs.	93	34.90	37.10
76.2 MM	29,000 Lbs.	99	40.00	37.10
100 MM	28,500 Lbs.	85	34.90	37.10
125 MM	30,000 Lbs.	147	57.00	66.00
125 MM	39,500 Lbs.	112	40.00	51.00
150 MM	106,000 Lbs.	164	70.00	76.20

SIDE ROLLER TYPE RECLAIMER CHAIN

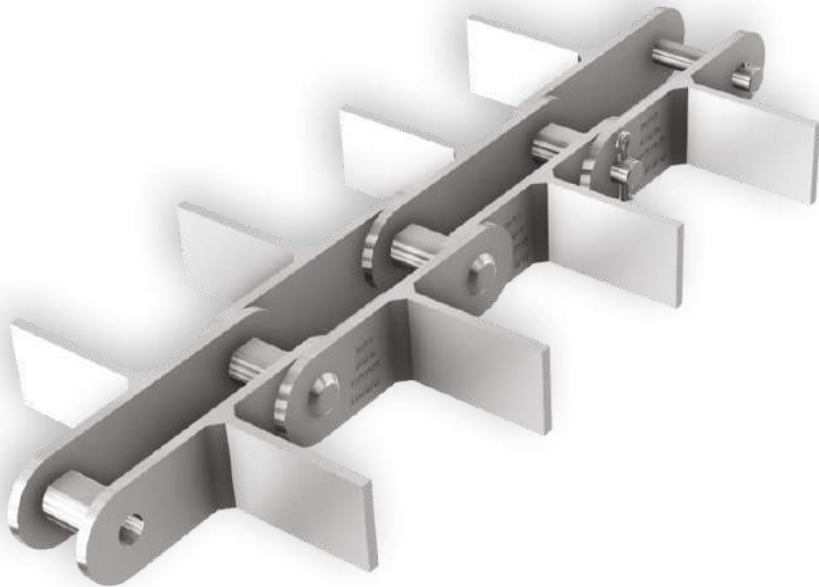


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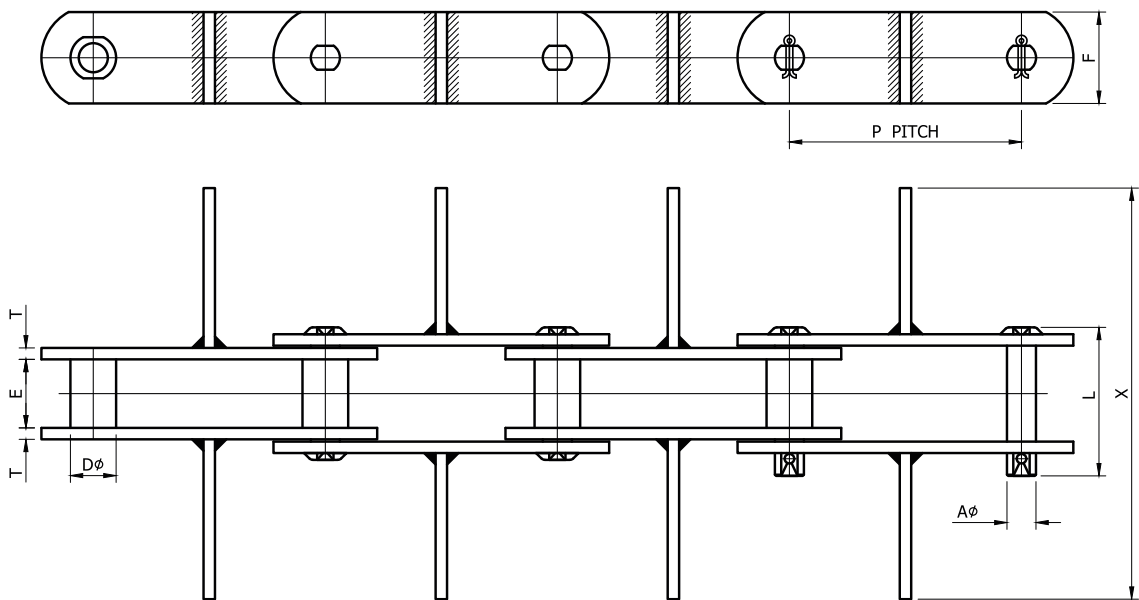


PITCH INCH	BREAKING LOAD	D1Ø	E
315 MM	50,000 Lbs.	36.0	65
315 MM	75,000 Lbs.	36.0	65
315 MM	75,000 Lbs.	36.0	65
315 MM	75,000 Lbs.	36.0	65
315 MM	75,000 Lbs.	36.0	80

FLOW CONVEYOR REDLER CHAINS TYPE - I



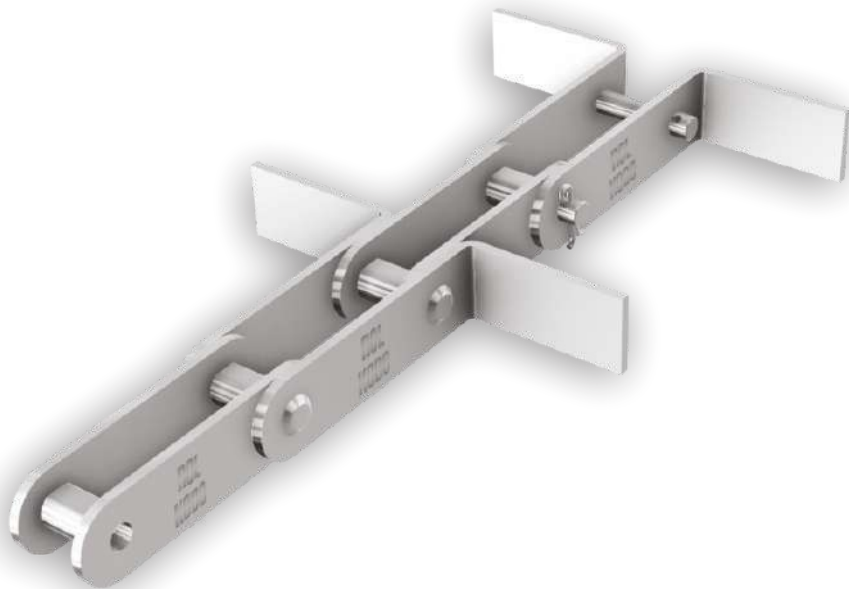
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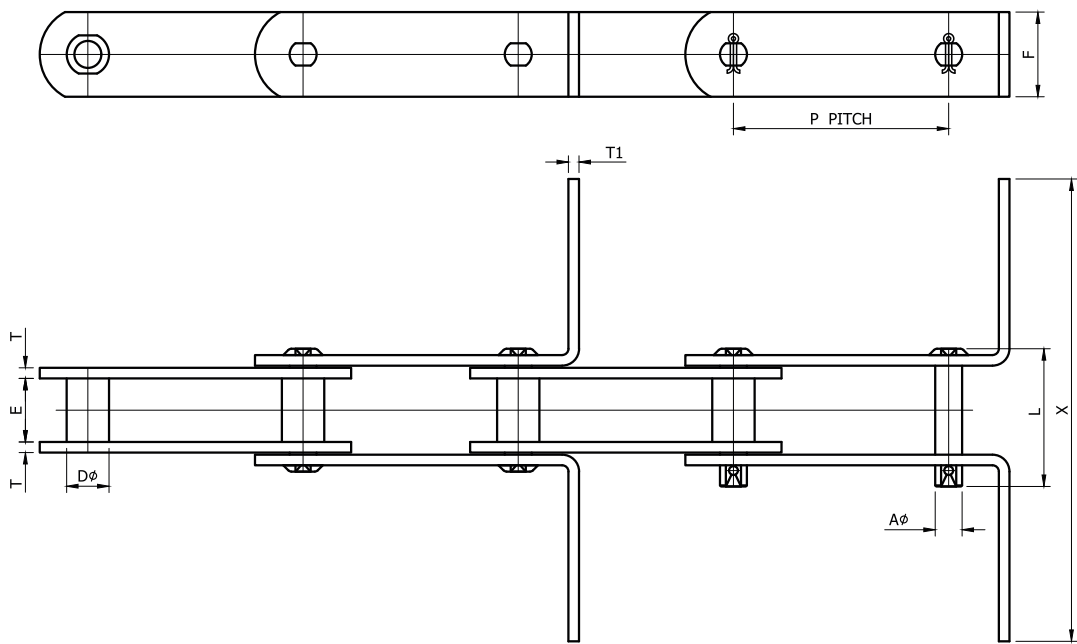
TYPE - I

PITCH	BREAKING LOAD	A	E
4"	11,500 kgs.	14.28	22
5"	11,500 kgs.	14.28	22
150 MM	11,200 kgs.	15	32
160 MM	22,400 kgs.	21	48
200 MM	31,500 kgs.	25	48

FLOW CONVEYOR REDLER CHAINS TYPE - II



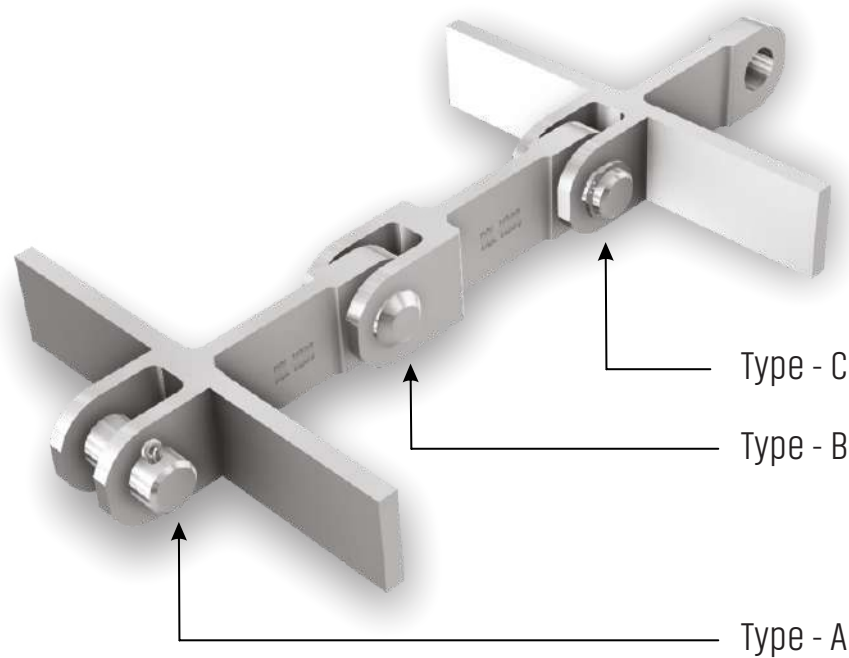
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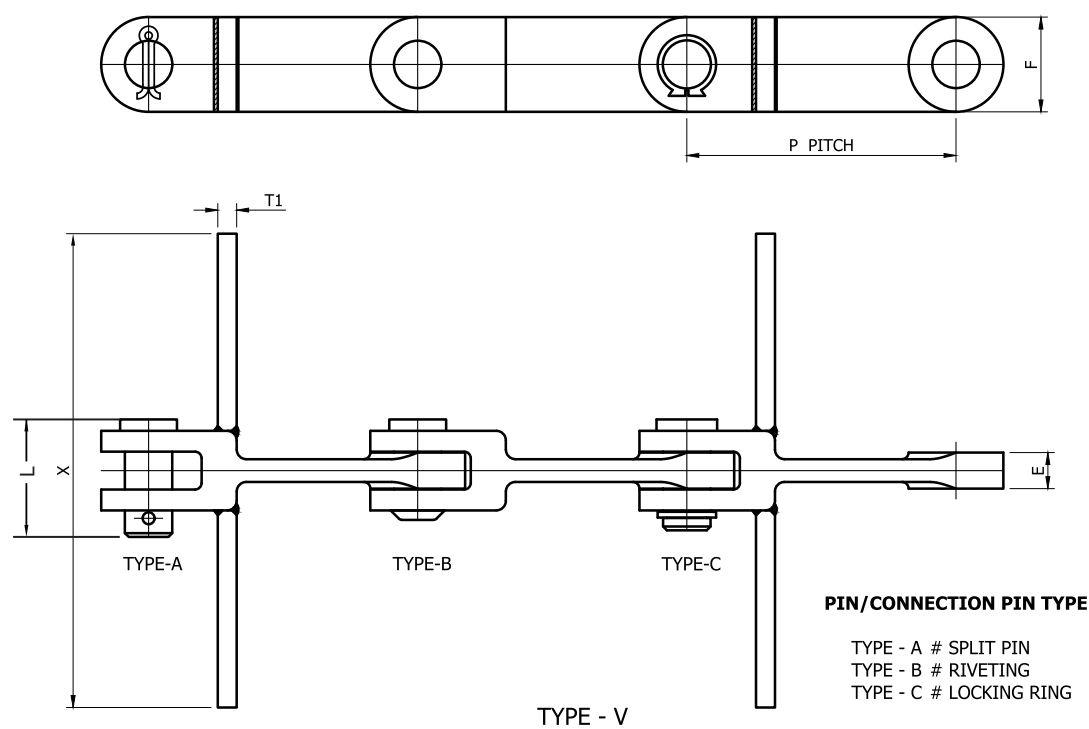
TYPE - II

PITCH	BREAKING LOAD	A	E
125 MM	14,000 kgs.	14.56	27.5
125 MM	19,000 kgs.	19.85	34
125 MM	35,000 kgs.	22	34
150 MM	25,000 kgs.	19.85	45
160 MM	22,400 kgs.	21	40

FLOW CONVEYOR REDLER CHAINS TYPE - V



Technical Details

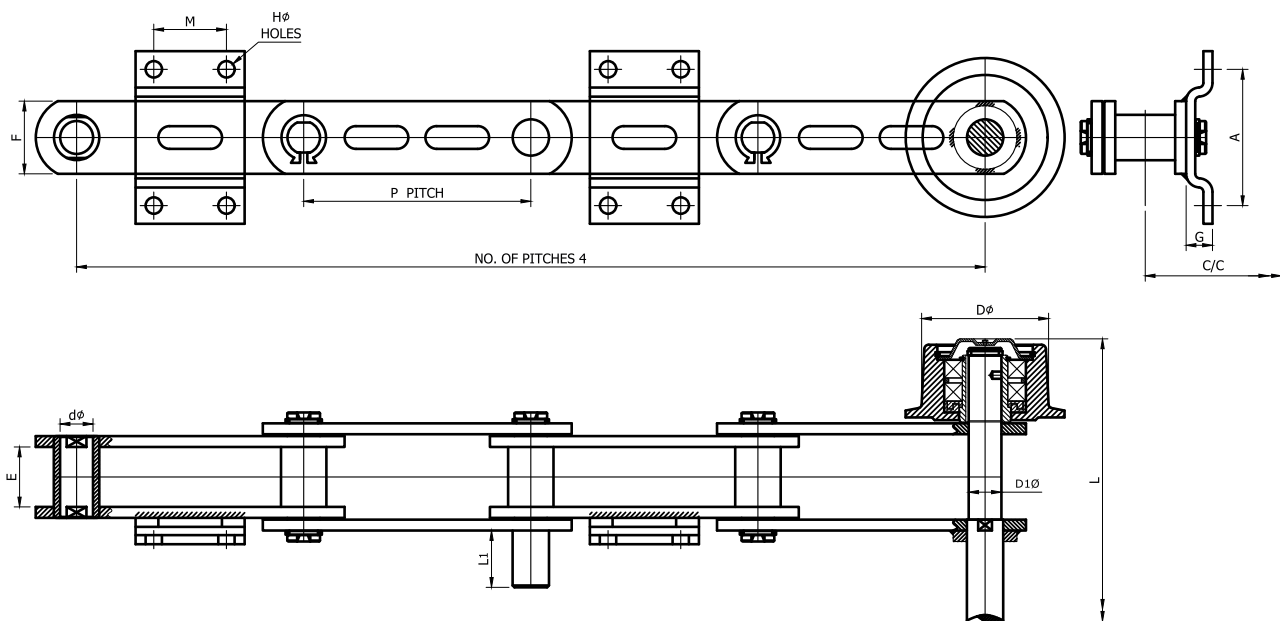


PITCH	BREAKING LOAD	A	L(max.)
142 MM	25,000 kgs.	25	61
142 MM	28,000 kgs.	25	61
142 MM	22,000 kgs.	22.7	61

DEEP BUCKET CHAIN



Technical Details

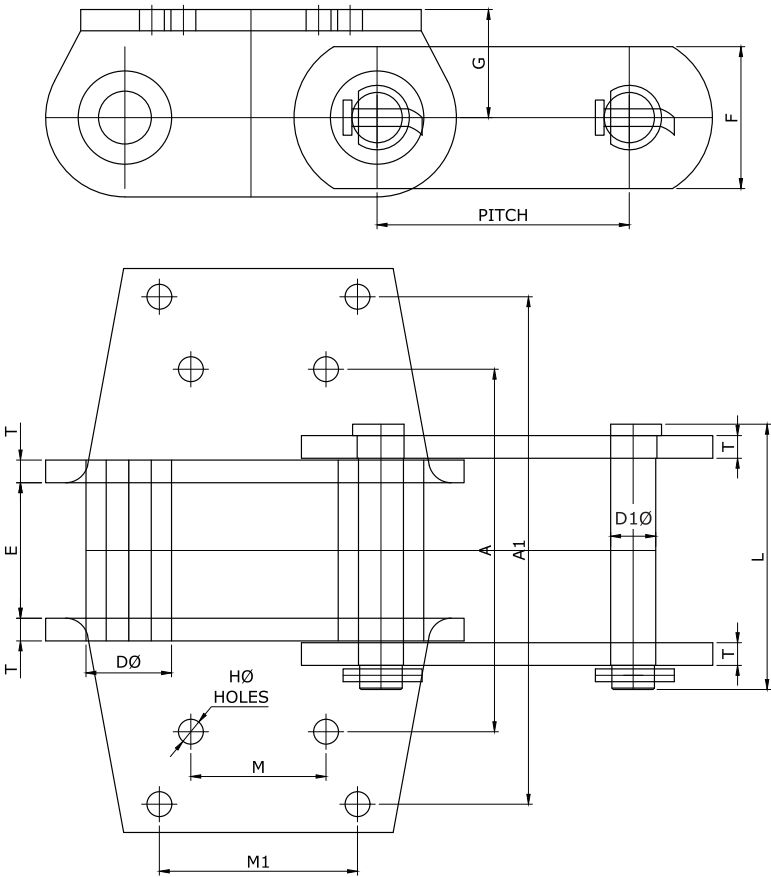


CHAIN NO.	PITCH	BREAKING LOAD (kgs.)	D,Ø	DØ
0150	250 MM	31,500 kgs.	32	140
2710	250 MM	40,000 kgs.	36	140
1363	250 MM	67,500 kgs.	36	140
2736	315 MM	20,000 kgs.	26	100
1416	315 MM	80,000 kgs.	36	140
1743	315 MM	95,000 kgs.	38	140

BUCKET ELEVATOR BUSHED CHAINS



Technical Details

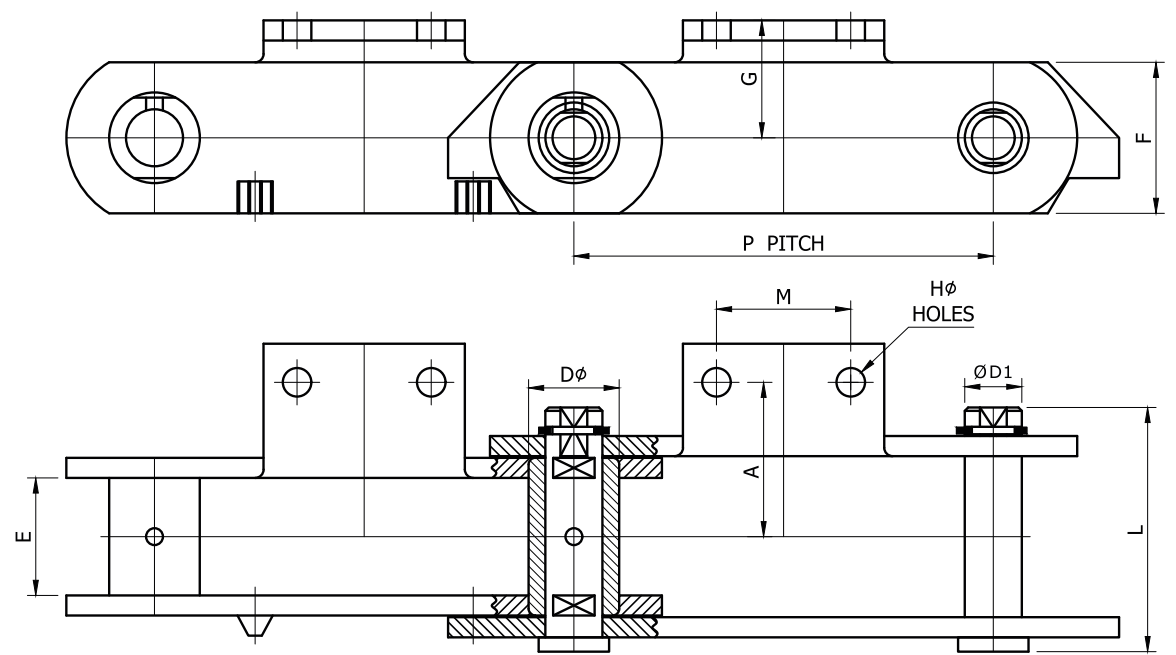


PITCH INCH	BREAKING LOAD	D1Ø	L
6"	55,000 Lbs.	28.30	160.0
6"	90,910 Lbs.	32.40	187.5
6"	76,000 Lbs.	31.75	190.0

A2 TYPE DEEP PAN CONVEYOR CHAIN

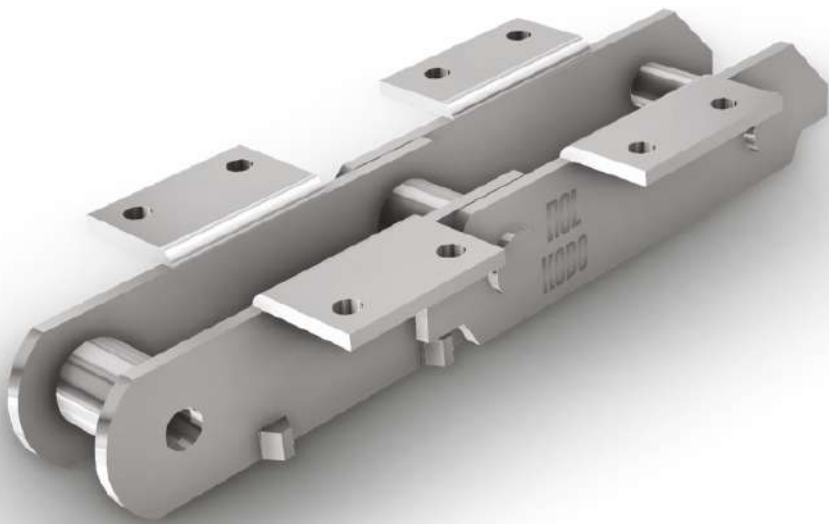


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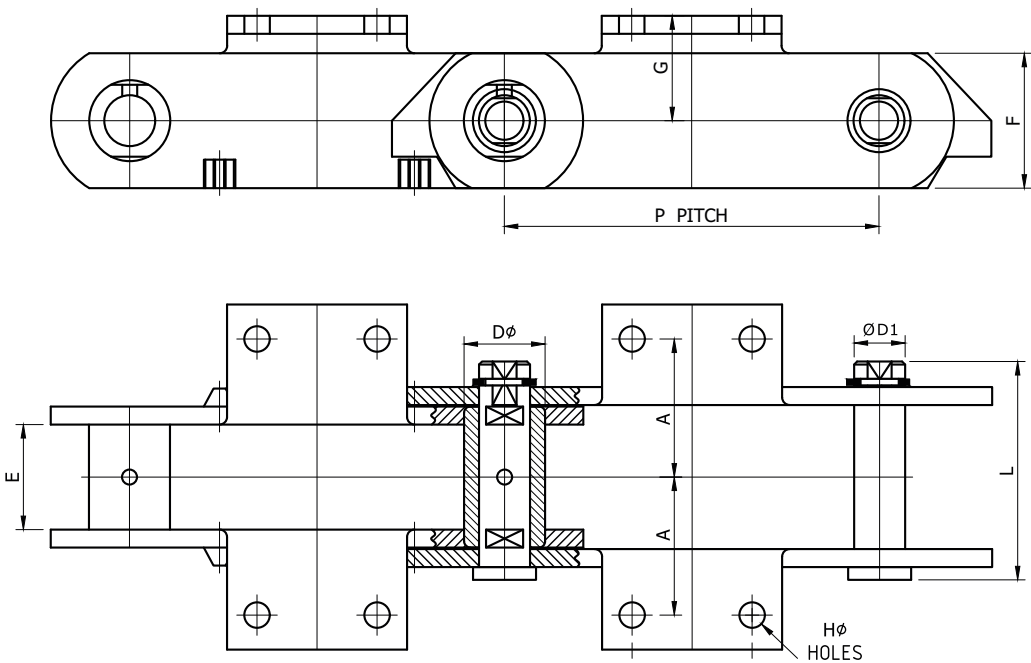


PITCH	BREAKING LOAD	D1Ø	E
250 MM	30,000	25	45
250 MM	35,000	25	45
250 MM	45,000	26	45
250 MM	50,000	27	45
250 MM	70,000	38	75
250 MM	1,00,000	38	75

BUCKET ELEVATOR BUSHED CHAINS



Technical Details



PITCH	BREAKING LOAD	D1Ø	E
250 MM	30,000	25	45
250 MM	35,000	25	45
250 MM	45,000	26	45
250 MM	50,000	27	45
250 MM	70,000	38	75
250 MM	1,00,000	38	75

EXTENSIVELY USED BY

- ▶ STEEL PLANTS
- ▶ SUGAR INDUSTRY
- ▶ TIMBER INDUSTRY
- ▶ CEMENT PLANTS
- ▶ CHEMICAL PLANTS
- ▶ AUTOMOBILE INDUSTRY
- ▶ FERTILIZER PLANTS
- ▶ MINING INDUSTRY



Simple Sprocket



Round Link Chain Sprocket



Reseller Chain Sprocket Rim



Sprocket For Bucket Elevator Chain



Drive Sprocket For Conveyor



Drive / Driven For Bucket Elevator



Teeth Bucket Elevator



Split Sprocket



Tail Sprocket



Drive Sprocket - Splited Rim
For Forged Link



Drive Sprocket For Block Link



Drive Sprocket For Conveyor



Segmental Tooth Rim Split
In To 5 Segments



Drive Sprocket For Roller Chain



Drive Sprocket For Forged Link



Sprocket For Special Purpose
Chain Having Centre Shaft



Segmental Tooth Sprocket Rim





Rolcon's modern Chain and Sprocket manufacturing plants started in 1967 in technical and financial collaboration with Messrs KOBOLD GmbH & Co. KG, Germany, makers of world-famous 'KOBOLD' chains, having vast experience in the field.

Rolcon certified (ISO 9001: 2015) is the largest manufacturer of Chains and Sprockets in the country. Its plant consists of the most modern CNC machines, Special purpose machinery, a new range of heat treatment machinery, and the latest testing facilities.

Rolcon's complete manufacturing range consists of Precision Industrial Transmission Chains conforming to international standards like ISO 606/DIN 8187/DIN 8188/BS 228/ASME B29. It also manufactures and exports Conveyor, Elevator, Special Purpose Chains, and all suitable Sprockets for the above-stated Chains.

Rolcon's Chains & Sprockets are utilized in the following industries.

• Cement • Fertilizer • Steel • Sugar • Chemical • Mining • Paper Plants • Palm Oil • Food & many more industries.

Rolcon's strong network of distributors, as well as sales outlets throughout India, helps its esteemed customers for better communication, quick delivery, and prompt after-sales service.

Rolcon's Chains are well known for their * Highest breaking load, * Excellent wear life, and * Increased fatigue strength.

We select appropriate material, precise heat treatment, rigid quality control, and constant R & D efforts from the indigenous and west German collaborators.

A special marketing team of Rolcon guides, and recommends its esteemed clients for the total solution for their specific requirements, and problems of chain and sprocket drives including design. Backed by vast experience in its field since 1967, Rolcon has also gained lots of practical experience from its customers. Their experience is continuous feedback to Rolcon's production department, which accounts for a high-quality standard for its products. A team of engineers and technical experts are continuously doing R&D and incorporating the latest technological advances to improve the quality of chains and sprockets.



ROLCON
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