sedis

CATALOGUE

Principal Products

Product Group

Transmission Chains

Transmission Chains Adapted for Conveying

Leaf Chains

Chains for Agricultural Applications

Conveyor Chains

Wheels and Sprockets

THE LEADING MANUFACTURER OF QUALITY INDUSTRIAL CHAINS

TRANSMISSION
LEAF CHAINS
CONVEYOR CHAINS
AGRICULTURAL CHAINS
WHEELS & SPROCKETS

sedis

- The strength of an international group
- Quality products
- Technical expertise
- A specialist for all your industrial projects
- The satisfaction of our customers as a priority
- A professional service from conception to installation

ALPHA *Premium* RANGE

The assurance of a quality product for all your applications

Chain **ALPHA** *Premium*:

Resistance to wear, fatigue and tensile breaking

Chain **ALPHA** *Premium* **INOX:**

Food applications, stainless

DELTA® RANGE

A range offering a solution to each of your application issues

Chain **DELTA® HR**:

Severe working conditions

Chain **DELTA® TITANIUM 2**:

Resistance in corrosive environments

Chain **VERTE**:

Maintenance free

Conception of any specific product on demand

HISTORY

1890
1900
1940
1960
1970
1980
1990
2000
2010

1895 : **PEUGEOT** started manufacture of chains in Saint Siméon de Bressieux (Isère)

1904 : **DARBILLY** Chain (Seine)

1920 : **VERJOUX** Production plant in Verrières de Joux (Doubs)

1946 : Creation of the mechanical transmissions Company **SE**ine **D**oubs **IS**ere (Peugeot group), hence **SEDIS**

1972 : Creation of the UK branch **SEDIS Co** Limited

1993 : Acquisition of **ERGE** (founded in 1937)

1994 : Acquisition of **SEBIN** (founded in 1866)

2002 : Creation of **S2CI** (**S**ociété de **C**ommercialisation de **C**omposants **I**ndustriels)

2010 : Became a part of the MURUGAPPA Group

2013 : Opening of SEDIS SERVICE (installation, maintenance and rehabilitation of conveyors on sites)

2014 : Creation of the Italian branch SEDIS SERVICE CENTER

A DYNAMIC INTERNATIONAL FRENCH COMPANY

2 FACTORIES IN FRANCE

2 BRANCHES IN EUROPE

MORE THAN **100** DISTRIBUTORS

IN **48** COUNTRIES

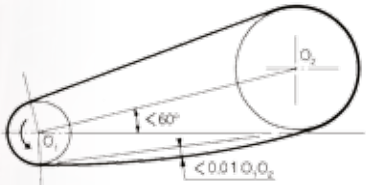
CONTENTS

PRACTICAL ADVICE

The reliability and longevity of a chain, whatever its application, depends not only on its own qualities and characteristics, but also on the care given to the design of the installation as a whole, as well as to its construction, lubrication and maintenance.

1 – GENERAL DESIGN OF THE INSTALLATION

1.1 – TRANSMISSION



• **The centerline of the sprockets O_1O_2** should be horizontal or have a small inclination to the horizontal,

Where the angle of inclination exceeds 60°, and where a vertical drive cannot be avoided, precautions must be taken to ensure proper chain-to-sprocket gearing on the power sprocket,

• **The tensioned strand of the chain** should preferably be on the top,

• **The number of sprocket teeth** should be selected from the standard range whenever possible. The normal transmission ratio must not exceed 1/8. Allow for two chain drives in series for higher ratios. It is preferable if the number of sprocket teeth and the number of links are prime numbers,

• Provide shaft center **adjustment to ensure** that the slack section of the chain is around 1% of the drive centers, provide a further 3% adjustment to compensate for chain wear.

• **Tension:** initially, the chain will not require any tensioning. But, in certain applications: reciprocation drive direction, frequent stop/start operations... it is necessary to have a tensioning force on the slack strand that does not exceed 10% of the driving force on the tight strand. This can be automatically adjusted or periodically regulated manually. When either the motor torque or the driven machine loading are irregular, in addition to providing a tensioning device on the slack strand, it may be necessary to mount a guiding device on the tight strand to control vibration.

In general, it is preferable, despite introducing correcting coefficients into your calculations, to adhere to the basic principles already outlined. These include: drive shaft cen- ters, neither too short nor too long ; a drive ratio of about 3/1 ; a drive sprocket having about 25 teeth ; and ideally simplex chain, but if multiplex, with a minimum multiplicity.

1.2 – LIFTING WITH LEAF CHAINS

• In case where two or more chains work in parallel, the forces should be well distributed between them, generally by using **adjustable fixing clevises** to compensate for the dispersion of chain length and the other tolerances in the installation.

• All the **fixing devices** (clevises, pins, compensator, etc.) must have a strength at least equal to that of the chain.

• It is preferable that the linear speed of the chain is less than 0,5 m/s.

• The dimensions of the **reversing rollers** should satisfy the standard ISO 4347 giving some precise details such as: the diameter of the minimum support Df > 5 p.
European regulations do however make it possible to redu- ce the diameter to 3 times the pitch, but by risking quicker wear of the chain and the roller/wheel.

• **The hardness of the roller/wheel** should be able to resist wear caused by pivoting under the load of the chain plates at the moment of its arrival on the roller and when it leaves. As a guide, the hardness should be somewhere between 300 et 400 HB.

Using roller chains in lifting, please consult us. It is to be noted however, that in the majority of cases multiplex chains should be planned for.

1.3 – CONVEYING

• **Number of teeth per wheel**: conveyor chains generally have a pitch large enough to enable accessories to be fitted to the plates, hence the designer will want to reduce the number of teeth on the wheel in order to limit its dimensions. The polygonal effect becomes noticeable when the wheel contains 12 teeth or less, or perhaps more when the rotation speed is significantly high. For particular cases consult us.

• **Adjustment of shaft center**: The shaft center should be adjustable in order to make chain assembly simpler, to adjust the slack on a section of chain, and its tension, and finally so as to be able to keep up with the normal lengthening of the chain over the duration of its life time. A screwed tensioning device is usually used but automatic sys- tems can equally be employed.

WARNING: **the chain must not be stretched ; an excess of tension will lead to accelerate wear of the chain and eventually of the bearing surface. The tensi- le force should not exceed 1% of the ultimate tensile strength of the chain.**

• **Strand supports and guides**: the tensioned strand which generally carries the load is supported by a guiding surface while sliding or rolling. Flanged rollers should be used when the shaft center distance is large or when there is a transversal force.

• The catenary strand can be supported by sliding becau- se it sees less load. The only case where no support is needed is when the pitch circle diameter is small, because then the catenary force becomes prohibitive for the large pitch diameter. In any case, the slack should not exceed 0,4% of the shaft center. This condition can result in a ten- sion force that is too great, if the chain strand is not sup- ported.

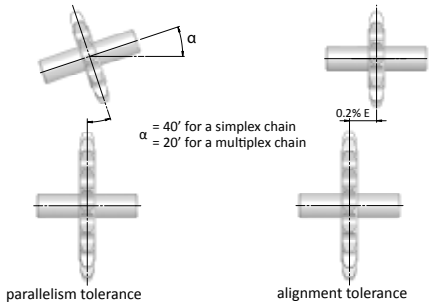
• **Engagement** of the two chain strands on the wheels should be carried out with extreme care: the rail guide should be perfectly aligned with the teeth and should be rounded off at the end of the guide in order to facilitate chain entry.

2 – DRIVE ACCURACY

2.1 – TRANSMISSION

• **Defects in shaft parallelism** should be less than 40’ for a simplex chain and 20’ for a multiple row chain.

• **Defects in alignment** must be less than 0,2% out of line of the shaft centers. This limit falls to 0,1% for rapid transmissions. If it is impossible to avoid transverse shaft mov- ment, the sprockets must be aligned in a median position. Sprocket alignment is especially important for multiple strand chains, because of their reduced transverse flexibility.



The consequences of geometry defects are:
• A noisy and vibrating transmission,
• A side wearing of the sprocket teeth and/or the chain inner plates,
• Stresses which may lead to the complete destruction of the chain,
• Improper distribution of the forces on the chain plates when resistance and particularly fatigue limit can be considerably reduced.
• **Sprocket teeth** concentricity and runout tolerances lies within limits laid down by the standard ISO 606 and should not be altered by assembly (for example when keying a sprocket to a shaft).
• **The rigidity** of assembly should be such that sprockets alignment and shaft parallelism are not affected by driving forces of the chain when operating.

2.2 – LIFTING
• **Defects** in the alignment and parallelism of fixings and counter motion apparatus should be reduced as much as possible.

2.3 – CONVEYING
• **Defects in** wheel **alignment**: < 0,4 % of the shaft center,
• **Defects in the parallelism of tooth plane**: < 40'.
• When two chains are working in parallel and are joined together with cross bars or with accessories, the chains should be ordered **MATCHED**

3 – LUBRICATION

3.1 – THE ROLE OF LUBRICATION
• To introduce lubricating fluid between contacting surfaces (pin/bush, pin/plate, bush/roller, inner linkplate/outer linkplate, etc.) to reduce wear and to avoid joint seizure.
• To protect the chain against corrosion.
• To reduce noise by introducing the lubricant between surfaces subject to shock loading.
• To transfer heat, generally by contacting moving components.

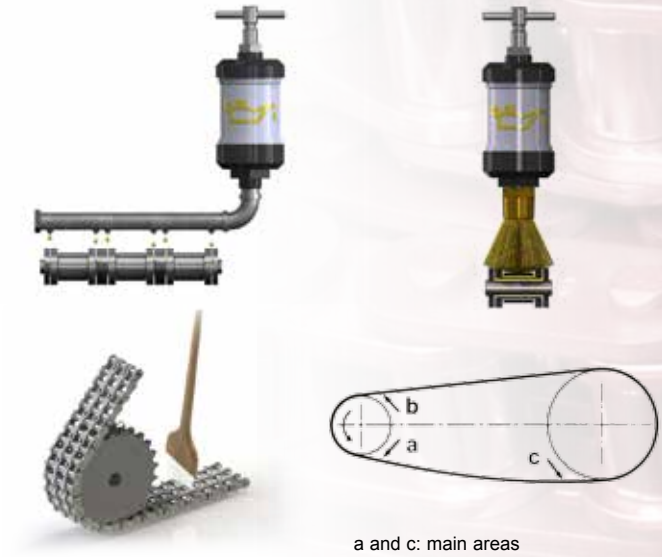
3.2 – FACTORY LUBRICATION: LUB+ allows:
The chain to be protected against corrosion until it is installed by the user, provided it is not exposed to the elements. Pre-lubrication remains effective six months for chains stored under shelter. It should be complemented with lubrication by the user's maintenance department as soon as the drive is started up. Note pre-lubrication is compatible with all mineral oils.
We are able to propose suited lubrications depending on your specific constraints.

3.3 – LUBRICATION METHOD:
This should be chosen according to the criteria and characteristics of the installation, depending on its use. There are 4 main ways of applying lubrication:
1- manual lubrication (by brush or oil can),
2- continuous drip feed lubrication,
3- chain passing through an oil tank,
4- pressure lubrication by spraying (with filtering and oil cooling if necessary).

In power transmission, any of these four methods can be used, although the choice depends on the type and speed of the chain.
When **lifting or conveying**, manual or continuous drip lubrication is usually employed, although automatic brushes can equally be used.

3.4 – FREQUENCY of lubrication
Quantity of lubricant and frequency of lubrication should be established with care and according to the specifications of lubricant and lubrication devices manu- facturers.

3.5 – WHERE LUBRICATING ?
• **Longitudinally,** in an area where the chain load is low in order to help the lubricant penetration,
• **Transversally**, between the plates to feed the lubricant towards the joints and between the inner plates, the rollers and the wheels.



a and c: main areas

3.6 – Suitable lubricants according to operating conditions
In general a good quality clean mineral oil, free from detergent is suitable. Its viscosity must suit the ambient temperature shown in the table hereafter.

Temperature (°C)	Recommended viscosity: ISO VG (Cst)		
-15 < T < 0	15	to	32
0 < T < 50	46	to	150
50 < T < 80	220	to	320

The operator must achieve a compromise between a low viscosity lubricant which would centrifuge off the chain without properly lubricating it, and a substance with too high viscosity, which would prevent the lubricant reaching contacting surfaces.
For special cases, and in particular where lubrication is impossible, please contact us.
Unless recommended by us, the use of grease is completely prohibited.

4 – PRODUCT IMPLEMENTATION – SAFETY

4.1 – STORAGE, HANDLING

The storage of products before their assembly onto the installation should be such that their initial quality is retained. In particular, the following rules must be obeyed:
• Keep products away from a **damp**, **corrosive** or **dusty** atmosphere or where they may come into contact with harmful **chemicals**,
• Protect against mechanical **damages** or accidents,
• Do not exceed the stipulated storage **period** suitable with the original factory lubrication (read 3.2)
The product should be handled with care, and operators should be advised on how to avoid its deterioration. In particular, shocks and forces applied perpendicular to the linkplates can cause kinks in the chain.

4.2 – ASSEMBLY

Before using the chain, it must be ensured that the quality of the installation conforms to advice given here above (read 1 – general design of the installation). When all the checks have been made, adjust chain length.

When assembling, the following safety rules should be obeyed:
• Wear safety glasses, safety gloves and safety shoes.
• Remove motor fuses, clamp motor starters of I.C. engines etc., to ensure no accidental premature start up.
• Use suitable, good quality tools.

In addition, the following applies to all chain drive installations:
• Take care when unrolling the chain, not to twist it.
• Chain must be properly handled to protect the chain itself or some of its components from damage.
• Transverse forces during assembly must be controlled by guides to avoid deforming the chain.
• Place the connecting link on the slack strand and take notice to fit it the right way.
• Do not fit new links into a worn chain or a new chain onto worn sprockets.
• When a link is damaged, replace it completely, and not just the damaged part. Change any link which may have been accidentally heated by a blow lamp or torch near the chain

4.3 –OPERATION

Before starting-up, check:
• the connecting link assembly, the fitting of spring clips with the closed end pointing in the direction of chain travel, that nuts are properly tightened and that there are no tight joints.
• the absence of nuts, tools and spanners on the chain or trapped in the installation.

Upon starting-up:
• start off slowly and gradually, keeping a close watch during the first revolution or first cycle of the process,
• run the drive under a light load or none at all for a while,
• check the complete drive after a few hours or days of use,
• check that the forces on the chain are like those in the calculation used for the chain selection,
• The state and position of the lubricant nozzles should be checked. The color and degree of lubricant contamination enables the efficiency of the lubricant to be measured, and also whether it is sufficient and when it should be renewed. If this is the case, apply once again or empty the installation using a lubricant of the same quality or superior quality. First it is necessary to get rid of the lubricant and clean the chain in order to get rid of deposits of dirty oil which could prevent the lubricant from penetrating the contacting surfaces (between the plates).

5 – MAINTENANCE

In a well assembled construction that is correctly lubricated, maintenance is restricted to ensuring that the whole assembly and lubrication methods remain satisfactory.

Periodic check:
• The installation geometry, and particularly the sprocket alignment and tooth wear,
• The state of the chain, particularly to detect traces of rub- bing indicating a geometrical failure or accidental structural contact and to assess the amount of wear:
→ wear of the chain articulations is measured directly by its length (using a measuring instrument or a control ruler), either by appreciation or measurement of its slack or moving the tensioning device,
→ wear of the linkplates of leaf chains,
→ wear of the rollers and wheels.

• If necessary, find out the cause of wear and rectify it. If it is necessary to change a sprocket or a chain due to exces- sive wear (more than 2% for the length of a chain, or more than 5% for the height of the plate), then it is better to change both the chain and sprocket or rollers at the same time.

Note

Given the high resistance of its components, the chain is susceptible to being weakened by hydrogen. Oxidising and corrosive environments must therefore be avoided.
An acidic environment is also to be avoided at all costs. The most stringent precautions should be taken when removing grease from the chain.
All superficial treatments to the chain, and in particular electrolytic treatents, are to be avoided.
For these types of environments, consult us for an eventual solution.

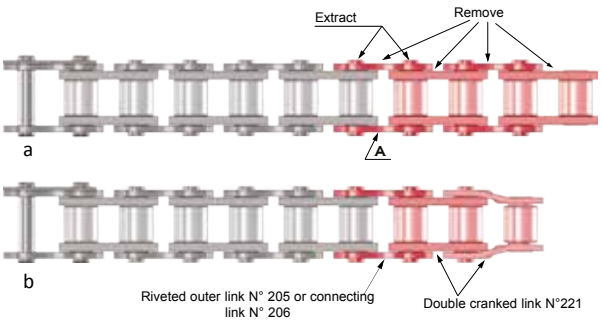
CHAIN LENGTH ADJUSTMENT - SHORTENING

If the installation does not involve adjusting the shaft center of the slack section, chain adjustment should be carried out either at the beginning, or after normal wear has occured.
Leaf chains and conveyor chains do not contain offset link. Therefore read directly §6.1.

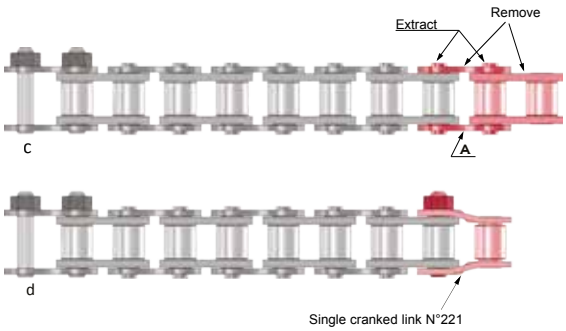
6.1 – CHAINS WITH AN EVEN NUMBER OF PITCHES

SHORTENING BY ONE PITCH

○ ***Chain up to and including 25,4 mm pitch.***
first remo- ve four pitches of chain from one end, that is two inners and two outers by extracting outer link A (Fig.a). Then fit a double offset link N°221, a spring clip connecting link N° 206 or a riveting outer link N°205 (Fig.b).



○ ***Chain with a pitch of 31,75 mm or above.***
first remove two pitches of chain from one end, that is one inner and one outer link by extracting the outer link A (Fig.c). Then fit a single offset link (Fig.d).



SHORTENING A CHAIN BY TWO PITCHES

Remove two pitches from one end, that is an inner and outer link by extracting the outer link A.

6.2 – SHORTENING WITH ODD NUMBER OF PITCHES.

SHORTENING BY ONE PITCH

○ ***Chain of pitch up to and including 25,4mm:***
The chain ends with an offset link. Remove the cranked link.

○ ***Chain with pitch of 31,75mm or above:***
The chain ends with a single offset link which also serves as a connecting link. Extract the the outer link A and replace it with a connecting link N° 209 to reassemble the chain.

SHORTENING BY TWO PITCHES

○ ***For all chains.***
Extract one inner link removing the outer link at the oppo- site end of the offset link.
NOTE: Leaf chains and conveyor chains don't have any crank links, as a consequence they are only concerned by the shortening of 2 pitches.

SEDIS RANGE

ALPHA *Premium* RANGE

A high quality chain with proven results

ALPHA Premium Chains

High Quality BS chain with the following specifications:

- Case hardened articulations
- Shot peened plates
- Preformed bi-conic bushes
- Solid rollers
- Chains pre-tensioned at 30-45% of the breaking load
- New generation pre-lubrication with technical wax from 12.7mm to 25.4mm pitch (08B to 16B)
- Other chains are pre-lubricated with initial plant lubrication

High Quality ASA chain with the following specifications:

- Case hardened articulations
- Shot peened plates
- Solid bushes
- Solid rollers
- Chains pre-tensioned at 30-45% of the breaking load
- New generation pre-lubrication with technical wax from 12.7mm to 25.4mm pitch (40 to 80)
- Other chains are pre-lubricated with initial plant lubrication

ALPHA Premium BS STAINLESS STEEL chains

Theses chains are designed to work in a food application, or in aggressive chemical environments, with the following specifications:

- Articulations and plates in Stainless steel series 300
- Solid rollers in stainless steel series 300
- Chains without initial lubrication
- Initial plant lubrication of food H1 lube on demand

DELTA® RANGE

Expert solutions for each application issue

DELTA® HR CHAINS: For severe working conditions (abrasion, shocks, jerks)

BS & ASA chains with high resistance to abrasion and wear, with the following specifications:

- DELTA® articulations
- Shot peened plates
- Preformed bi-conic bushes
- Solid rollers
- Chains pre-tensioned at 30-45% of the breaking load
- New generation pre-lubrication with technical wax from 12.7mm to 25.4mm pitch (08B to 16B)
- Other chains are pre-lubricated with initial plant lubrication

DELTA® TITANIUM 2 CHAINS: Resistance in corrosive environments

BS & ASA chains with high resistance to abrasion, wear and corrosion with the following specifications:

- DELTA® articulations
- Shot peened plates and coated with a GEOMET® treatment
- Preformed bi-conic bushes, coated with a GEOMET® treatment
- Solid rollers coated with a GEOMET® treatment
- Chains pre-tensioned at 30-45% of the breaking load
- New generation pre-lubrication with technical wax from 12.7mm to 25.4mm pitch (08B to 16B)
- Other chains are pre-lubricated with initial plant lubrication

VERTES® CHAINS: A maintenance-free range

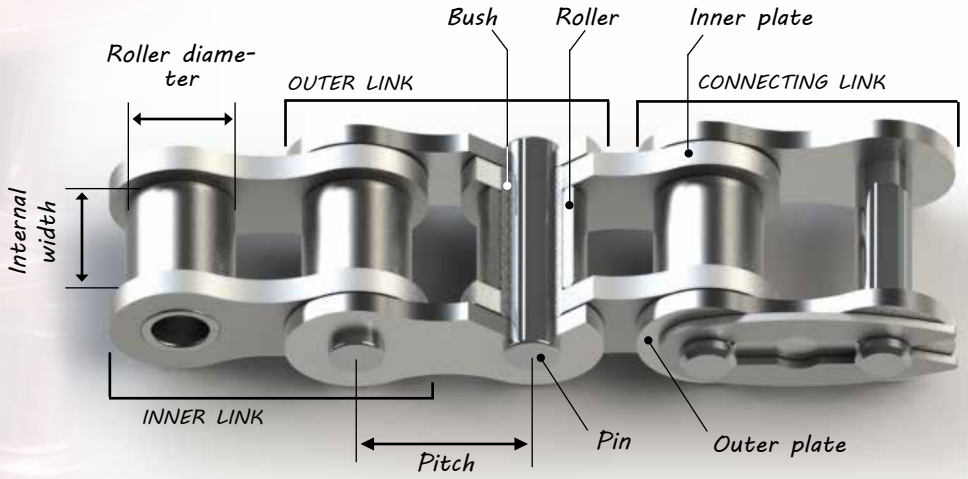
LUBE FREE VERTE CHAINS: BS chains from 12.7mm to 25.4mm pitch:
Anticorrosion chains with sintered bushes, with the following specifications:

- Pins with hard surface treatment
- Nickel plated plates and rollers
- Solid rollers
- Sintered bushes

DELTA VERTE Chains: BS chains from 31.75mm to 63.5mm pitch:
Chains with anticorrosion composite bushes, with the following specifications:

- DELTA® articulations
- Shot peened and GEOMET® treated plates
- Composite bushes admitting functioning in water or humid environments
- GEOMET® treated solid steel rollers (or in composite on demand)
- Temperature of use between -30 et +80°C (up to 300°C, please consult us)

CONSTITUENT PARTS OF POWER TRANSMISSION ROLLER CHAIN



MANUFACTURING

SEDIS chains, both standard and non-standard, are made of:

- **High quality steels:** dimensions and adapted chemical composition for the different chain parts

- **The most efficient manufacturing processes:**
  - Special technique for the production of bushes improving the chain wear resistance (SEDIS know-how)
  - Plates produced by multi-stage processing tools ensuring a regular pitch (SEDIS technology)

- **Adequate mechanical and heat treatments of chain parts:**
  - Shot peening
  - Surface finishing
  - Case hardening, carbonitriding, quenching, tempering ...
  - DELTA®treatment
  - Freezing treatment
  - Corrosion protection coatings (GEOMET, zinc, nickel plating, ...)

QUALITY

SEDIS is certified ISO 9001 by the French Association for Quality Assurance (AFAQ) since 1989:

- First chain manufacturer in the world to be certified ISO 9001
- Eleventh French company to be certified ISO 9001

ISO 9001 version 2008

A sign of confidence for our customers

SEDIS SPECIFICATIONS

The **Sedis** chains are constructed with special specifications in order to fit with a wide range of industrial applications. They are designed in order to:

1- **Resist to WEAR (Elongation)**
2- **Resistance to FATIGUE (progressive plate breaking) and to TRACTION (brutal load breaking of plates or bearing pins)**
3- **Resist to CORROSION**
4- **Use WITHOUT LUBRICATION**

SEDIS uses the most efficient manufacturing processes, special steels and appropriate mechanical treatments, heat treatments and thermochemical treatments to be able to offer its clients products which are perfectly adapted to a wide range of industrial applications.

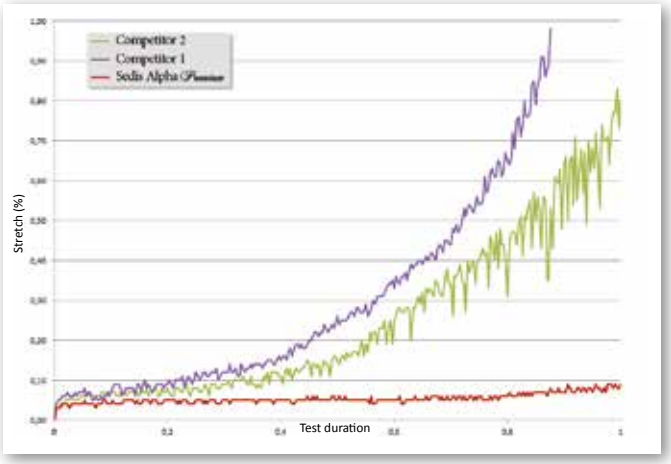
WEAR (Elongation)

A new generation wax for our Alpha *Premium* and DELTA® range

SEDIS has selected for their Delta® and Alpha *Premium* core range (from 12.7mm to 25.4mm pitch) a new **high performance wax** offering an **enhanced anti-wear protection**, and which can work at a temperature from -30°C to 130°C.

This wax which has a thick viscosity not in use, liquefy in operation to be perfectly spread in the articulations (thixotropic specification of wax). It then **limits frictions and allows much longer lubrication intervals compared to a standard lubrication** (less losses of lubricant by ejection). It also allows the SEDIS chains to have a much higher wear resistance than competitors' chains).

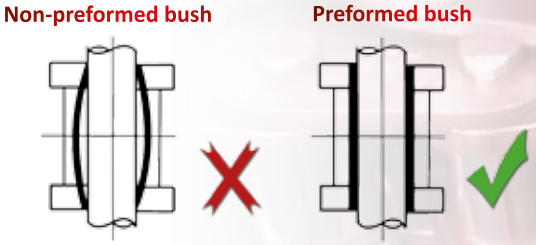
During maintenance, our wax is compatible with usual chain lubricants.



Wear of a SEDIS Alpha Premium ASA 50-1 compared to two competitors' chains

Preformed bi-conic bushes

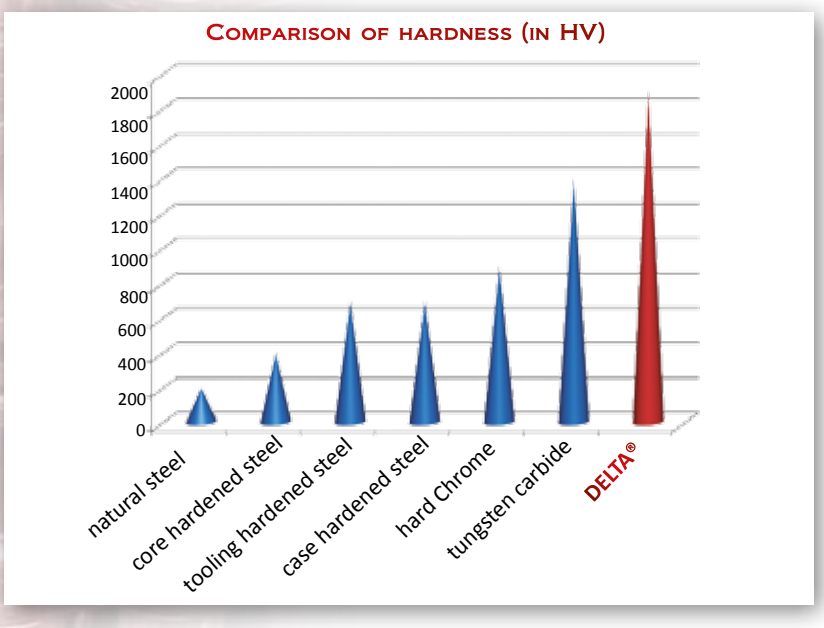
We use **preformed bi-conic** bushes on our chains. Contrary to non-preformed bushes which undergo a "barrel" distortion, the working surface of preformed bushes is increased for **a uniform distribution of mechanical loads**, what improves wear resistance (see drawing on the right).



SEDIS SPECIFICATION

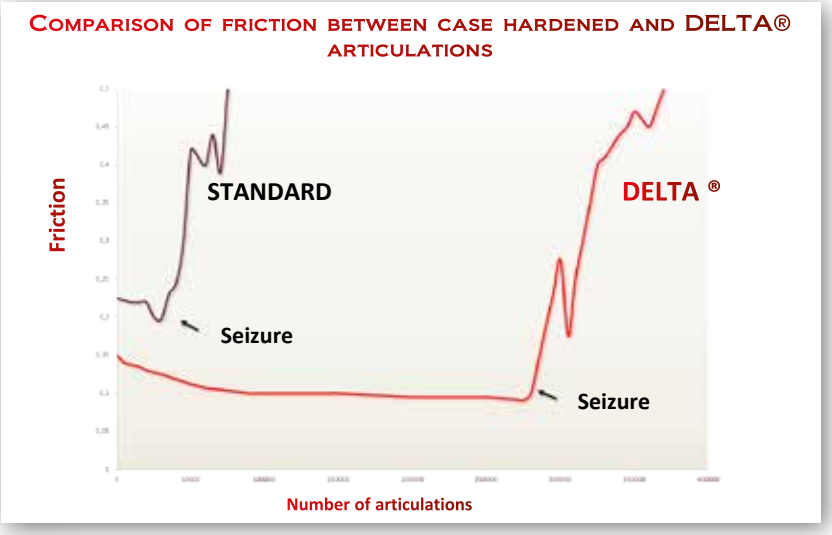
DELTA® range and DELTA® treatment:

The thermo-chemical treatment invented and realized by SEDIS results in very high resistance against wear and oxidation of the articulation. This resistance is achieved thanks to the surface hardness of the DELTA®treated articulations which is much higher than hardness obtained by usual case hardening (see graph below).



SEDIS IS THE ONLY MANUFACTURER TO MASTER ANTI-WEAR TREATMENTS ON LARGE DIAMETER PINS

The friction coefficient of **DELTA®HR** articulations is lower than the one of standard articulations (case hardening, carbonitriding, ...). The hardness and the particular chemical affinity of **DELTA®HR** articulations **delay the appearance of seizure** (see figure below).



Thanks to the higher hardness, a low coefficient of friction and a compatible chemical affinity, **DELTA® HR** have a **longer lifetime compared to standard chains**, especially in severe applications (abrasion, shocks, jerks...) These particular specifications allow **DELTA®** chains to **transmit superior powers**.

FATIGUE & TENSILE BREAKING

During normal operating, chains are working in the elastic field (see figure A below). The chain is held in tension in a repeated way under an effort located in an elastic level (red curve in figure A). The consequence of such sollicitation is the creation and propagation of cracks in the area where the maximum stresses are located (red zones in figure D below).

The **SEDIS ALPHA** *Premium* et **DELTA® HR** chains are designed in order to combat fatigue thanks to the use of:

- special steels chosen according to special chemical and mechanical specifications,
- optimised heat treatments to obtain the maximum plate strength as well as the plate ductility to combat fatigue,
- plate Shot Peening to also improve plate fatigue strength. The shot peening allows the creation of compressive stresses in the plates to avoid the creation and propagation of fatigue cracks (see figure C below).

The shot peening is a projection of steel balls on chain plate with controlled intensity and speed. It allows an improvement of an extra 20% fatigue strength of plates.

FIGURE A
REPEATED LOAD VS PROGRESSIVE LOAD

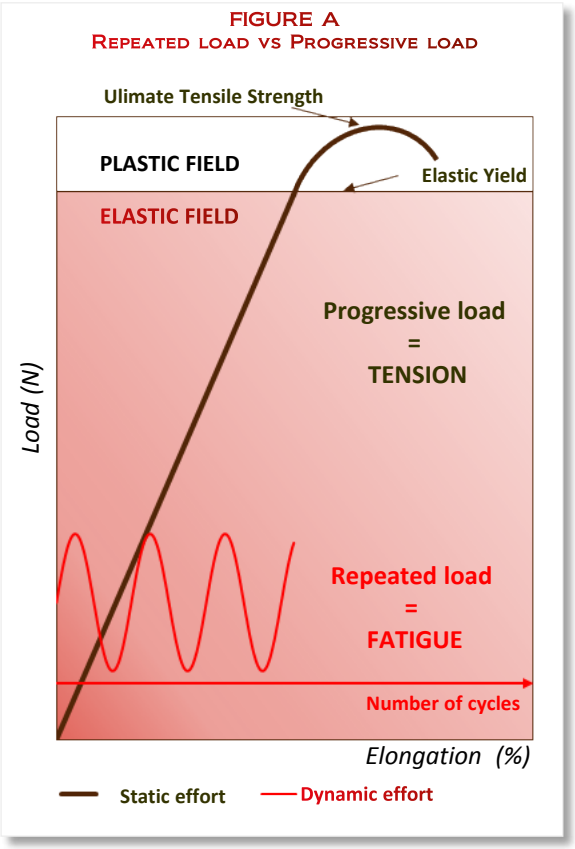


FIGURE B
STRESSES IN A CHAIN PLATE UNDER TENSIO

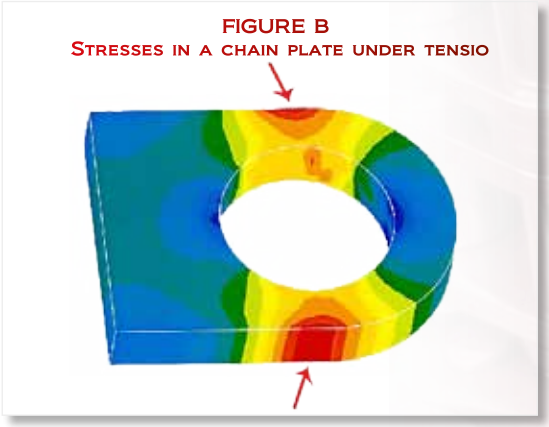
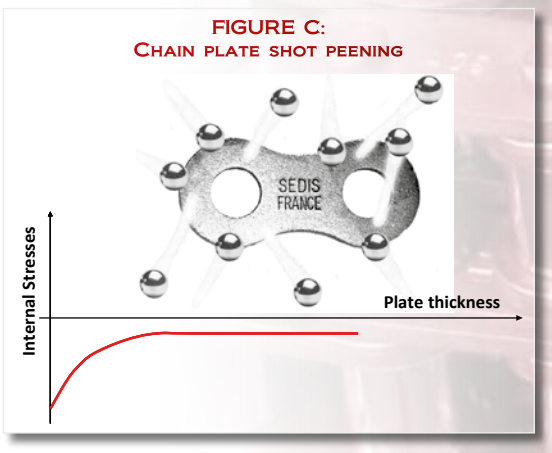


FIGURE C:
CHAIN PLATE SHOT PEENING



Thanks to a rigorous selection of material, heat treatments and shoot peening done on our Alpha *Premium* and Delta® chains:

Resistance to traction is on average 20% higher to ISO norms
Performances in terms of resistance to shocks and fatigue are HIGHER TO THE BEST CHAINS IN THE WORLD

CORROSION

The ALPHA *Premium* INOX chains

Alpha *Premium* Stainless steel chains are manufactured with high quality stainless steels.
It is indeed the presence of a minimum of 10.5% of chrome in stainless steel that gives proprieties of **corrosion resistance**. The protection is more or less effective depending on composition of the chosen stainless steels and environmental constraints. The choice of the **composition of stainless steel is therefore essential**. That is why Sedis take a particular care on choice of grades of stainless steel they select.

For more demanding applications, and in particular when an important **resistance to traction is needed**, these chains can be substituted by **DELTA® TITANIUM 2** chains, which benefit from the **DELTA® treatment** against wear, and the **GEOMET® treatment against corrosion**. However, in case of direct contact with food of cleaning products as foams, solvents, oxidants, it is advised to consult us in order to select with you the most adapted product to your application.

DELTA® TITANIUM 2 chains and GEOMET® treatment

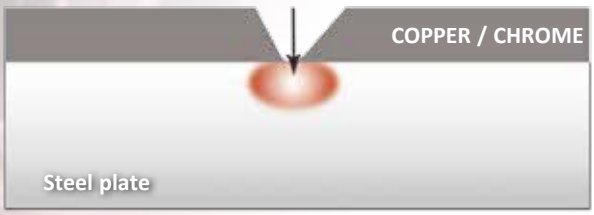
The **DELTA® TITANIUM 2** chains are designed on the basis of **DELTA® HR** chains which are characterized by **very high resistance to wear and abrasion**. On top of that, the constitutive metallic components are **protected against corrosion** thanks to a protecting **GEOMET** coating.

GEOMET® is a water-based coating composed of layers of zinc and aluminum, **100% hexavalent chrome free**. It guaranties protection of metallic surfaces by:

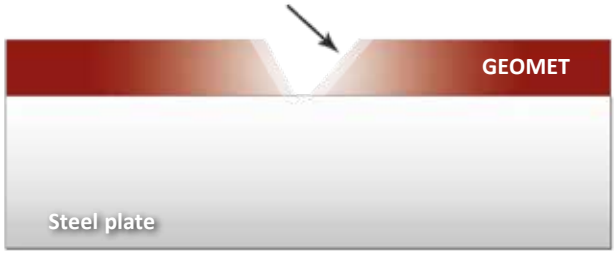
- **Barrier effect:** the superposition of slices of zinc and aluminum constitutes an excellent barrier between the steel substrate and the corrosive environment.
- **Sacrificial protection: Zinc oxidizes instead of steel.**

On the below figure, we can compare the cathodic protection of **GEOMET®** with the total protection of coatings like Chrome or Copper or any other material nobler than iron.

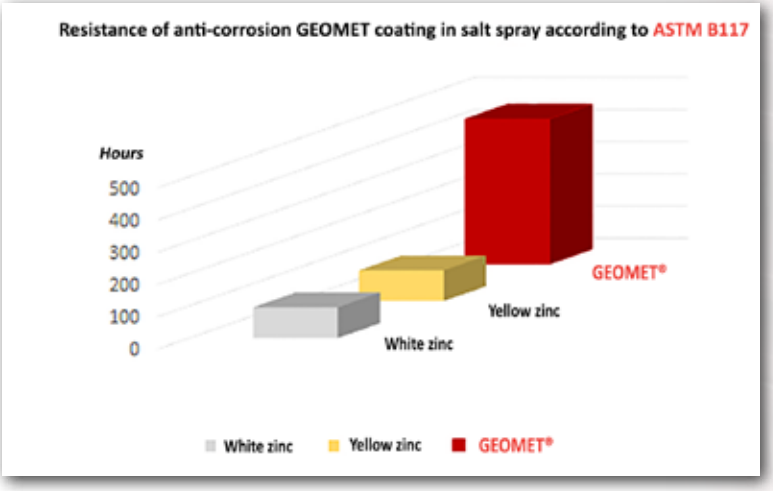
Oxidation of Steel plate



Oxidation of GEOMET®



In the conditions of test in salt spray, GEOMET® treatment used on DELTA® TITANIUM 2 chains has much longer resistance to corrosion. Indeed red rust only appears after 450 hours compated to 100 hours for bi-chromate zinc plated chains (see figure below).



Thanks to their superior resistance to wear, they guarantee **a much longer lifetime** than a stainless steel chain.
DELTA® TITANIUM 2 chains should be preferably used in neutral ambiance (pH between 5 and 9).
The temperature range of use is between -30 and 130°. We have solutions for different temperatures, don't hesitate in consulting us for further information.

THE ADVANTAGES OF THE TREATMENT

Maximum protection in thin layer
Control of the coefficient of friction
Absence of Hydrogen embrittlement

NOTE: ***In order to ensure optimum protection against corrosion of DELTA® TITANIUM 2 chains it is strictly forbidden:***

- **DELTA® TITANIUM** chains are not compatible with **stainless steel sprockets.** They can be used with in carbon steel, zinc-plated, bi-chromate zinc-plated sprockets or sprockets with **GEOMET®** protection (consult us).
- **DELTA® TITANIUM** chains are not compatible with any attachments or **other additional elements made from stainless steel or containing copper** (bronze, brass).
- **DELTA® TITANIUM** chains are not compatible with chain **guides made from stainless steel, brass or other materials containing Copper**.

SEDIS SPECIFICATIONS

LUBRIFICATION FREE

In a number of applications where lubrication of the chain is difficult or even impossible, SEDIS brings the solution with their lubrication-free **VERTE® chains**. A standard chain will have a limited lifetime if it is not properly lubricated. The solution is therefore **lubrication-free chains**, which works without any oil added externally.
They allow:

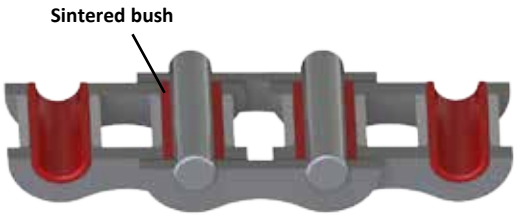
- **To avoid lubrication maintenance** when it is difficult or impossible for different reasons (shapes, inaccessibility…),
- **To avoid risk of oil projection** which can damage the transported items,
- **To operate in humid environments** (especially for DELTA VERTE® chains)
- **To limit the risk of fire** if oil can be in contact with flame or products at high temperature (like escalators),
- **To diminish the risk of pollution** by lubrication,
- **To reduce the maintenance global costs** (economy of the maintenance system)

LUBE FREE VERTE CHAIN:

The principle of lubrication free is based on the use of **sintered bush** which is impregnated with oil, allowing the dispensing of oil during the functioning of the chain. The pins undergo a hard surface treatment, the rollers are solid and the components are nickel-plated against corrosion.

The chain is used in the following conditions:

1- Temperature of use: between -5° and 80°C
2- Non abrasive environment



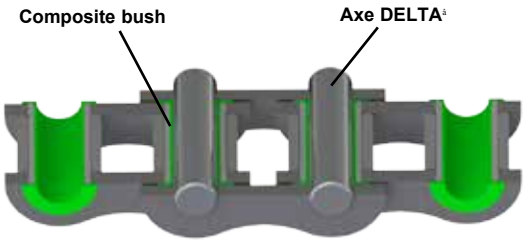
LUB FREE VERTE Chain

DELTA® VERTE CHAINS (GREEN CHAIN):

The principle of non lubrication is based on the use of **composite bush** inserted between bearing pin and steel bush. The composite bush is made of self lubricant solid material which allows the chain to operate without oil. The bearing pin is **DELTA®** and the other metallic parts (plates, steel bush and roller) are protected against corrosion using the **GEOMET** coating.

The chain is used in the following conditions:

1- Temperature of use: between -5° and 80°C
(consult us for temperatures above 80°C as composite is specific and admissible pressures are different)
2- Functioning in a humid environment or in presence of water
3- Non abrasive environment
4- In the case where the **DELTA®VERTE** chain is used in conveying (loaded rollers), consult us for the use of composite rollers in place of steel rollers



DELTA® VERTE chain

NOTE: ***for an optimum protection against corrosion of DELTA VERTE® chains:***

o **DELTA® TITANIUM** chains are not compatible with **stainless steel** sprockets. They can be used with in carbon steel, zinc-plated, bi-chromate zinc-plated sprockets or sprockets with **GEOMET®** protection (consult us). Use preferably **heat treated teeth**. Do not forget to lubricate the sprockets in use to avoid rapid wear. In some cases, it is possible to use sprockets or screwed teeth made of plastic material when the sprocket lubrication is forbidden. Consult us.

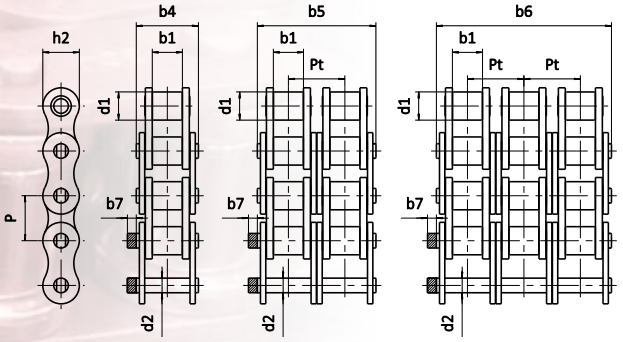
o **DELTA® TITANIUM** chains are not compatible with any attachments or other additional elements made from **stainless steel or containing copper** (bronze, brass).

o **DELTA® TITANIUM** chains are not compatible with **chain guides made from stainless steel, brass or other materials containing Copper**.

ROLLER CHAINS

sedis

BS Chains - European Series - ALPHA *Premium* Range



GENERAL CHARACTERISTICS

These chains designed for use in high power transmission systems comply with international standards: ISO 606 (short pitch chains) and ISO 1275 (long pitch chains).

These chains correspond to the following national standards:
- British Standard BS 228 (short pitch chains)
- German Standard DIN8187 (short pitch chains) and DIN8181 (long pitch chains)

In these conditions, our chains are interchangeable with all other chains produced to the quoted standards.

References			ALPHA Premium			General dimensions (mm)							Ultimate Tensile Strength				Mass per meter
	ISO 606	SEDIS	Pitch	ALPHA Premium	ALPHA Premium INOX	d1	b1	b4 b5 b6	d2	h2	Pt	b7	ISO 606	ALPHA Premium		ALPHA Premium INOX	
			P			max.	min.	max.	max.	max.		min.	min.	min.	nom.	min.	kg
SIMPLEX	06B-1	3N	9,525	x	x	6,35	5,77	13,50	3,27	8,23	.	2,1	8,9	9,0	10,3	6,3	0,40
	08B-1	7N	12,7	x	x	8,51	7,75	16,60	4,45	11,80	.	1,5	17,8	18,2	20,4	10,5	0,68
	10B-1	11N	15,875	x	x	10,16	9,65	19,00	5,08	13,70	.	1,5	22,2	23,0	27,2	14,2	0,86
	12B-1	13N	19,05	x	x	12,07	11,68	22,30	5,72	16,20	.	1,5	28,9	30,5	34,8	16,6	1,18
	16B-1	15T	25,4	x	x	15,88	17,02	35,10	8,28	20,80	.	3,0	60,0	66,0	76,3	37,2	2,66
	20B-1	17T	31,75	x	x	19,05	19,56	40,50	10,19	25,40	.	6,1	95,0	105,0	114,0	46,0	3,72
	24B-1	18T	38,1	x	x	25,40	25,40	53,10	14,63	32,30	.	6,6	160,0	180,0	198,0	81,0	7,05
	28B-1	20T	44,45	x		27,94	30,95	65,10	15,90	37,00	.	7,4	200,0	235,0	252,0	.	8,96
	32B-1	22T	50,8	x		29,21	30,99	63,60	17,81	42,30	.	7,9	250,0	270,0	288,0	.	10,00
	40B-1	23T	63,5	x		39,37	38,10	79,00	22,89	52,80	.	12,0	355,0	365,0	385,0	.	16,20
	48B-1	24T	76,2	x		48,26	47,70	98,60	29,22	64,20	.	23,7	560,0	600,0	630,0	.	24,93
DUPLEX	06B-2	203N	9,525	x	x	6,35	5,77	23,80	3,27	8,23	10,24	2,1	16,9	16,9	20,6	9,8	0,74
	08B-2	207N	12,7	x	x	8,51	7,75	30,60	4,45	11,80	13,92	1,5	31,1	36,4	40,8	21,2	1,33
	10B-2	211N	15,875	x	x	10,16	9,65	35,75	5,08	13,70	16,59	1,5	44,5	46,0	54,4	28,4	1,70
	12B-2	213N	19,05	x	x	12,07	11,68	41,80	5,72	16,20	19,46	1,5	57,8	61,0	69,6	37,2	2,35
	16B-2	215T	25,4	x	x	15,88	17,02	68,00	8,28	20,80	31,88	3,0	106,0	132,0	152,6	74,4	5,28
	20B-2	217T	31,75	x	x	19,05	19,56	77,00	10,19	25,40	36,45	6,1	170,0	210,0	228,0	92,0	7,36
	24B-2	218T	38,1	x	x	25,40	25,40	101,80	14,63	32,30	48,36	6,6	280,0	360,0	396,0	162,0	13,85
	28B-2	220T	44,45	x		27,94	30,95	124,70	15,90	37,00	59,56	7,4	360,0	470,0	504,0	.	18,80
	32B-2	222T	50,8	x		29,21	30,99	122,80	17,81	42,30	58,55	7,9	450,0	540,0	576,0	.	19,90
	40B-2	223T	63,5	x		39,37	38,10	152,00	22,89	52,80	72,29	12,0	630,0	730,0	770,0	.	32,08
	48B-2	224T	76,2	x		48,26	47,70	190,40	29,22	64,20	91,21	23,7	1 000,0	1 200,0	1 260,0	.	49,50
TRIPLEX	06B-3	303N	9,525	x		6,35	5,77	34,00	3,27	8,23	10,24	2,1	24,9	24,9	30,9	.	1,10
	08B-3	307N	12,7	x	x	8,51	7,75	44,60	4,45	11,80	13,92	1,5	44,5	54,6	61,2	31,5	1,96
	10B-3	311N	15,875	x	x	10,16	9,65	52,30	5,08	13,70	16,59	1,5	66,7	69,0	81,6	42,6	2,51
	12B-3	313N	19,05	x	x	12,07	11,68	61,40	5,72	16,20	19,46	1,5	86,7	91,5	104,4	49,8	3,48
	16B-3	315T	25,4	x	x	15,88	17,02	99,90	8,28	20,80	31,88	3,0	160,0	198,0	228,9	111,6	7,86
	20B-3	317T	31,75	x	x	19,05	19,56	113,50	10,19	25,40	36,45	6,1	250,0	315,0	342,0	138,0	11,00
	24B-3	318T	38,1	x	x	25,40	25,40	150,20	14,63	32,30	48,36	6,6	425,0	540,0	594,0	243,0	20,31
	28B-3	320T	44,45	x		27,94	30,95	184,60	15,90	37,00	59,56	7,4	530,0	705,0	756,0	.	28,00
	32B-3	322T	50,8	x		29,21	30,99	181,70	17,81	42,30	58,55	7,9	670,0	810,0	864,0	.	29,60
	40B-3	323T	63,5	x		39,37	38,10	224,60	22,89	52,80	72,29	12,0	950,0	1 095,0	1 155,0	.	47,96
	48B-3	324T	76,2	x		48,26	47,70	281,60	29,22	64,20	91,21	23,7	1 500,0	1 800,0	1 890,0	.	80,20
Special SEDIS chains																	
SIMPLEX	-	5T	12,7	x		7,75	5,00	11,80	3,96	10,10	.	1,5	.	11,6	12,9	.	0,44
	-	6N	12,7	x		8,51	5,35	14,10	4,45	11,80	.	1,5	.	18,2	20,4	.	0,59
	-	10N	15,875	x		10,16	6,50	16,40	5,08	13,70	.	1,5	.	23,0	27,2	.	0,75
	-	12N	19,05	x		12,07	8,00	18,45	5,72	16,30	.	1,5	.	30,5	34,8	.	1,05
Double pitch chains (ISO 1275)																	
	208B	2007N	25,4	x		8,51	7,75	16,60	4,45	11,50	.	1,5	17,8	17,8	19,8	.	0,43

Connecting links: Also available for some duplex and triplex chains

N° 200

Inner link

Available for **all chains**

N° 205

External link to be riveted

N° 206

Connecting link with spring clip

Available for pitches from: **9,525 to 31,75 mm**

N° 208

Cottered connecting link

Available for pitches from: **25,4 to 63,5 mm**

N° 209

Connecting link with self locking nuts

Available for pitches from: **31,75 to 76,2 mm**

N° 216

Single cranked cottered link

Available for pitches from: **9,525 to 63,5 mm**

N° 217

Single cranked link with self locking nuts

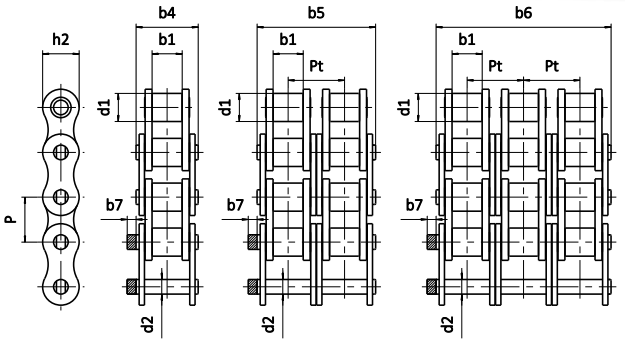
Available for pitches from: **31,75 to 63,5 mm**

N° 221

Double cranked link

Available for pitches from: **9,525 to 25,4 mm**

BS Chains - European Series - DELTA® Range



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References			SEDIS DELTA® RANGE				General dimensions (mm)							Ultimate Tensile Strength					Mass per meter
	ISO 606	SEDIS	Pitch	DELTA® HR	DELTA TITANIUM 2	VERTE	d1	b1	b4 b5 b6	d2	h2	Pt	b7	ISO 606	DELTA® HR		DELTA TITANIUM 2	DELTA® VERTE	
			P				max.	min.	max.	max.	max.		min.	min. kN	min. kN	nom. kN	min. kN	min. kN	kg
SIMPLE	06B-1	3ND	9,525	x	x		6,35	5,77	12,50	3,28	8,20	.	2,1	8,9	9,0	10,3	9,0	.	0,40
	08B-1	7ND	12,7	x	x	(1)	8,51	7,75	16,60	4,45	11,80	.	1,5	17,8	18,2	20,4	18,2	16,6	0,68
	10B-1	11ND	15,875	x	x	(1)	10,16	9,65	19,00	5,08	13,70	.	1,5	22,2	23,0	27,1	23,0	18,6	0,86
	12B-1	13ND	19,05	x	x	(1)	12,07	11,68	22,30	5,72	16,20	.	1,5	28,9	30,5	34,8	30,5	30,5	1,18
	16B-1	15TD	25,4	x	x	(1)	15,88	17,02	35,10	8,28	20,80	.	3,0	60,0	75,0	87,0	75,0	66,0	2,66
	20B-1	17TD	31,75	x	x	(2)*	19,05	19,56	40,50	10,19	25,40	.	6,1	95,0	110,0	119,0	110,0	99,0	3,72
	24B-1	18TD	38,1	x	x	(2)*	25,40	25,40	53,10	14,63	32,30	.	6,6	160,0	180,0	198,0	180,0	160,0	7,05
	28B-1	20TD	44,45	x	x	(2)*	27,94	30,95	65,10	15,90	37,00	.	7,4	200,0	235,0	251,5	235,0	180,0	8,96
	32B-1	22TD	50,8	x	x	(2)	29,21	30,99	63,60	17,81	42,30	.	7,9	250,0	300,0	321,0	300,0	250,0	10,00
	40B-1	23TD	63,5	x	x	(2)	39,37	38,10	79,00	22,89	52,80	.	12,0	355,0	365,0	383,3	365,0	365,0	16,20
	48B-1	24TD	76,2	x	x		48,26	47,70	98,60	29,22	64,20	.	23,7	560,0	600,0	630,0	600,0	.	24,93
DUPLEX	06B-2	203ND	9,525	x	x		6,35	5,77	23,10	3,28	8,20	10,24	2,1	16,9	17,6	21,1	17,6	.	0,74
	08B-2	207ND	12,7	x	x	(1)	8,51	7,75	30,60	4,45	11,80	13,92	1,5	31,1	36,4	40,8	36,4	33,2	1,33
	10B-2	211ND	15,875	x	x	(1)	10,16	9,65	35,75	5,08	13,70	16,59	1,5	44,5	46,0	54,3	46,0	37,2	1,70
	12B-2	213ND	19,05	x	x	(1)	12,07	11,68	41,80	5,72	16,20	19,46	1,5	57,8	61,0	69,5	61,0	61,0	2,35
	16B-2	215TD	25,4	x	x	(1)	15,88	17,02	68,00	8,28	20,80	31,88	3,0	106,0	150,0	174,0	150,0	132,0	5,28
	20B-2	217TD	31,75	x	x	(2)*	19,05	19,56	77,00	10,19	25,40	36,45	6,1	170,0	220,0	239,8	220,0	198,0	7,36
	24B-2	218TD	38,1	x	x	(2)*	25,40	25,40	101,80	14,63	32,30	48,36	6,6	280,0	360,0	396,0	360,0	320,0	13,85
	28B-2	220TD	44,45	x	x	(2)*	27,94	30,95	124,70	15,90	37,00	59,56	7,4	360,0	470,0	502,9	470,0	360,0	18,80
	32B-2	222TD	50,8	x	x	(2)	29,21	30,99	122,80	17,81	42,30	58,55	7,9	450,0	600,0	642,0	600,0	500,0	19,90
	40B-2	223TD	63,5	x	x	(2)	39,37	38,10	152,00	22,89	52,80	72,29	12,0	630,0	730,0	766,5	730,0	730,0	32,08
	48B-2	224TD	76,2	x	x		48,26	47,70	190,40	29,22	64,20	91,21	23,7	1 000,0	1 200,0	1 260,0	1 200,0	.	49,50
TRIPLEX	06B-3	303ND	9,525	x	x		6,35	5,77	33,00	3,28	8,20	10,24	2,1	24,9	26,4	31,6	26,4	.	1,10
	08B-3	307ND	12,7	x	x	(1)	8,51	7,75	44,60	4,45	11,80	13,92	1,5	44,5	54,6	61,2	54,6	49,8	1,96
	10B-3	311ND	15,875	x	x	(1)	10,16	9,65	52,30	5,08	13,70	16,59	1,5	66,7	69,0	81,4	69,0	55,8	2,51
	12B-3	313ND	19,05	x	x	(1)	12,07	11,68	61,40	5,72	16,20	19,46	1,5	86,7	91,5	104,3	91,5	91,5	3,48
	16B-3	315TD	25,4	x	x	(1)	15,88	17,02	99,90	8,28	20,80	31,88	3,0	160,0	225,0	261,0	225,0	198,0	7,86
	20B-3	317TD	31,75	x	x	(2)*	19,05	19,56	113,50	10,19	25,40	36,45	6,1	250,0	330,0	359,7	330,0	297,0	11,00
	24B-3	318TD	38,1	x	x	(2)*	25,40	25,40	150,20	14,63	32,30	48,36	6,6	425,0	540,0	594,0	540,0	480,0	20,31
	28B-3	320TD	44,45	x	x	(2)*	27,94	30,95	184,60	15,90	37,00	59,56	7,4	530,0	705,0	754,4	705,0	540,0	28,00
	32B-3	322TD	50,8	x	x	(2)	29,21	30,99	181,70	17,81	42,30	58,55	7,9	670,0	900,0	963,0	900,0	750,0	29,60
	40B-3	323TD	63,5	x	x	(2)	39,37	38,10	224,60	22,89	52,80	72,29	12,0	950,0	1 095,0	1 149,8	1 095,0	1 095,0	47,96
	48B-3	324TD	76,2	x	x		48,26	47,70	281,60	29,22	64,20	91,21	23,7	1 500,0	1 800,0	1 890,0	1 800,0	.	80,20
Special Sedis Chains																			
	-	2ND	9,525	x			6,35	4	10,48	3,28	8,18	.	2,1	.	9	10,3	.	.	0,35
	-	6ND	12,7	x	x		8,51	5,35	14,10	4,45	11,80	.	1,5	.	18,2	22,8	18,2	.	0,35

(1): References in Lube Free Verte version. In DELTA® VERTE, consult us
(2): References available in DELTA® VERTE only
* The pin diameter and the working surface are different . Consult us for more details

Connecting links: Also available for some duplex and triplex chains

N° 200

Inner link

Available for **all chains**

N° 205

External link to be riveted

N° 206

Connecting link with spring clip

Available for pitches from: **9,525 to 31,75 mm**

N° 208

Cottered connecting link

Available for pitches from: **25,4 to 76,2 mm**

N° 209

Connecting link with self locking nuts

Available for pitches from: **31,75 to 63,5 mm**

N° 216

Single cranked cottered link

Available for pitches from: **25,4 to 63,5 mm**

N° 217

Single cranked link with self locking nuts

Available for pitches from: **31,75 to 63,5 mm**

N° 221

Double cranked link

Available for pitches from: **9,525 to 25,4 mm**

ANSI Chains - American Series - ALPHA *Premium* Range

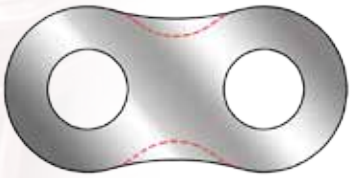
The ALPHA *Premium* ASA chains

THE MOST EFFICIENT CHAIN IN THE MARKET IN TERMS OF RESISTANCE TO FATIGUE

Our chain Alpha Premium ASA has been entirely designed to be the most advanced one of its generation.

UNEQUALLED RESISTANCE TO FATIGUE

Our Research & Development department has developed a **new plate profile** which has been optimized by widening the narrow waist to reduce the constraints on the plate's holes when the chain undergoes repeated loads in operation. This technological advance gives to our new Alpha Premium ASA chain an **unprecedented resistance to fatigue and increased breaking loads** (+ 15% on average compared to standards).



- - - - *Old Alpha range profile*

——— *New Alpha Premium range profile*

Solid bushes, made with the most innovative techniques of bush forming, provide a **perfect fitting** in the plates, improving therefore the resistance to fatigue of the chains

The plates are **shoot peened**, what allows the creation of compressive constraints on the surface, in order to fight initiation and spread of fatigue cracks, **improving the resistance to fatigue of the plates by 20%**.

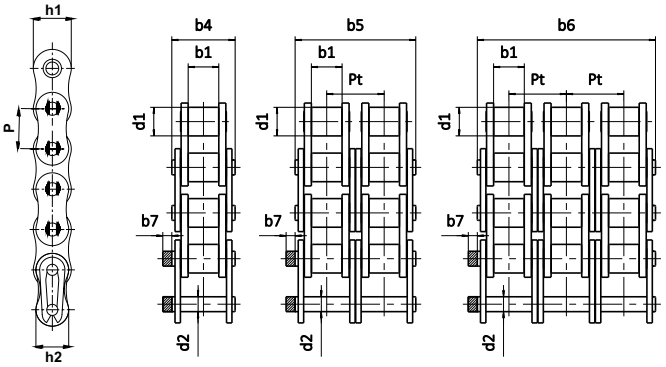
Design of our Alpha Premium ASA chains allows to have **reduced play** between articulations, contributing also to improve resistance to fatigue.

REINFORCED RESISTANCE TO WEAR

The **new wax**, with an anti-wear and **anti-corrosion protection**, allows to **limit frictions** by liquefying in operation, thanks to a better penetration in the articulations.

The pins have been conceived with carefully selected steels and heat treatments which help obtaining **high hardness and resistance**.

ASA Chains - American Series - ALPHA *Premium* Range



GENERAL CHARACTERISTICS

These chains designed for use in high power transmission systems comply with international standards: ISO 606 (short pitch chains) and ISO 1275 (long pitch chains).

These chains correspond to the following national standards:
- British Standard ANSI B29-1 (short pitch chains) and B29-4M (long pitch chains)
- German Standard DIN8188 (short pitch chains) and DIN 8181 (long pitch chains)

In these conditions, our chains are interchangeable with all other chains produced to the quoted standards.

References			Pitch	General dimensions (mm)								Ultimate Tensile Strength			Mass per meter
	ISO 606	SEDIS	P	d1 max.	b1 min.	b4 b5 b6 max.	d2 max.	h1 max.	h2 max.	Pt	b7 min.	ISO 606 min. kN	ALPHA Premium min. kN	ALPHA Premium nom. kN	kg
SIMPLEX	08A-1	40-1	12,7	7,93	7,85	16,50	3,98	12,07	10,42	.	5,20	13,9	18,0	19,8	0,66
	10A-1	50-1	15,875	10,16	9,40	20,55	5,09	15,07	13,02	.	5,35	21,8	29,0	30,9	1,09
	12A-1	60-1	19,05	11,90	12,58	25,52	5,95	18,07	15,62	.	5,98	31,3	40,0	44,1	1,59
	16A-1	80-1	25,4	15,87	15,75	33,20	7,93	24,13	20,83	.	5,70	55,6	70,7	78,5	2,75
	20A-1	100-1	31,75	19,05	18,90	41,10	9,54	30,15	26,04	.	2,70	87,0	105,2	116,9	4,29
	24A-1	120-1	38,1	22,22	25,23	50,22	11,11	36,20	31,24	.	3,58	125,0	154,0	170,9	6,00
	28A-1	140-1	44,45	25,40	25,23	54,17	12,71	42,15	36,45	.	4,17	170,0	190,4	206,9	7,77
	32A-1	160-1	50,8	28,57	31,55	64,05	14,29	48,20	41,65	.	4,65	223,0	241,6	271,4	10,27
	40A-1	200-1	63,5	39,67	38,10	77,90	19,85	58,00	40,60	.	9,00	347,0	380,0	418,0	16,70
	48A-1	240-1	76,2	47,60	47,60	94,50	23,80	71,80	64,00	.	10,50	500,0	700,0	730,0	23,70
DUPLEX	08A-2	40-2	12,7	7,93	7,85	30,86	3,98	12,07	10,42	14,38	5,34	27,8	36,0	39,6	1,28
	10A-2	50-2	15,875	10,16	9,40	38,66	5,09	15,07	13,02	18,11	5,34	43,6	58,0	61,9	2,17
	12A-2	60-2	19,05	11,90	12,58	48,30	5,95	18,07	15,62	22,78	6,10	62,6	80,0	88,3	3,16
	16A-2	80-2	25,4	15,87	15,75	62,50	7,93	24,13	20,83	29,29	5,60	111,2	141,3	157,0	5,48
	20A-2	100-2	31,75	19,05	18,90	76,90	9,54	30,15	26,04	35,76	3,30	174,0	210,5	233,9	8,29
	24A-2	120-2	38,1	22,22	25,23	95,66	11,11	36,20	31,24	45,44	3,57	250,0	307,9	341,7	11,88
	28A-2	140-2	44,45	25,40	25,23	102,84	12,71	42,15	36,45	48,87	4,36	340,0	380,7	413,8	15,40
	32A-2	160-2	50,8	28,57	31,55	122.60	14,29	48,20	41,65	58,55	4,65	446,0	483,3	542,9	29,01
	40A-2	200-2	63,5	39,67	38,10	150,20	19,85	58,00	40,60	71,55	9,00	694,0	760,0	832,0	33,20
	48A-2	240-2	76,2	47,60	47,60	182,20	23,80	71,80	64,00	87,83	10,50	1 000,0	1 400,0	1 460,0	47,25
TRIPLEX	08A-3	40-3	12,7	7,93	7,85	45,24	3,98	12,07	10,42	14,38	5,36	41,7	54,1	59,4	1,92
	10A-3	50-3	15,875	10,16	9,40	56,77	5,09	15,07	13,02	18,11	5,23	65,4	87,0	92,8	3,20
	12A-3	60-3	19,05	11,90	12,58	71,08	5,95	18,07	15,62	22,78	6,12	93,9	120,0	132,4	4,70
	16A-3	80-3	25,4	15,87	15,75	91,80	7,93	24,13	20,83	29,29	5,50	166,8	212,0	235,5	8,16
	20A-3	100-3	31,75	19,05	18,90	113,00	9,54	30,15	26,04	35,76	3,20	261,0	315,7	350,8	12,40
	24A-3	120-3	38,1	22,22	25,23	141,10	11,11	36,20	31,24	45,44	3,57	375,0	461,9	512,6	17,75
	28A-3	140-3	44,45	25,40	25,23	151,80	12,71	42,15	36,45	48,87	4,28	510,0	571,1	620,7	20,82
	32A-3	160-3	50,8	28,57	31,55	182,90	14,29	48,20	41,65	58,55	2,90	669,0	724,9	814,3	30,51
	40A-3	200-3	63,5	39,67	38,10	222,20	19,85	58,00	40,60	71,55	9,00	1 041,0	1 140,0	1 248,0	49,70
	48A-3	240-3	76,2	47,60	47,60	270,00	23,80	71,80	64,00	87,83	10,50	1 500,0	2 100,0	2 190,0	70,50

DELTA®, Heavy duty and long-pitch chains on request.

Connecting links: Also available for some duplex and triplex chains

N° 205

External link to be riveted

Available for **all chains**

N° 206

Connecting link with spring clip

Available for pitches: **9,525 to 31,75 mm**

N° 208

Cottered connecting link

Available for pitches: **25,4 to 63,5 mm**

N° 216

Single cranked cottered link

Available for pitches: **9,525 to 63,5 mm**

The connecting links

Availability of the links:

	BS chain type B	ANSI chain type A
 **N° 205** **Outer link to be riveted** This link is composed of 2 riveted pins on an outer plate. The other plate is fitted by force on the pins which extremities are riveted after assembly of the plate.	X	X
 **N° 206** **Spring clip connecting link** 2 pins are riveted on an outer plate. The loose plate is maintained by a special spring clip. The unopened part of the spring clip must be oriented in the rotation way of the chain. For BS chains, these links are supplied with Delta® pins for a better resistance to wear.	X (≤31,75mm)	X (≤ 25,4mm)
 **N° 208** **Cottered connecting link** Used from 1" pitch (25,4mm) for Delta® chains and from 1.1/4" pitch (31.75mm) in Alpha Premium version. It can be "loose-fit" or "press-fit" type for type B chains.	X (≥ 31,75mm or ≥ 25,4mm)	X (≥ 31,75mm)
 **N° 209** **Connecting link with self locking nuts** The pins' extremities are threaded to fit a self-locking nut. The play on the loose plate is suppressed by the pin conic ambit (SEDIS specificity).	X (≥ 31,75mm)	

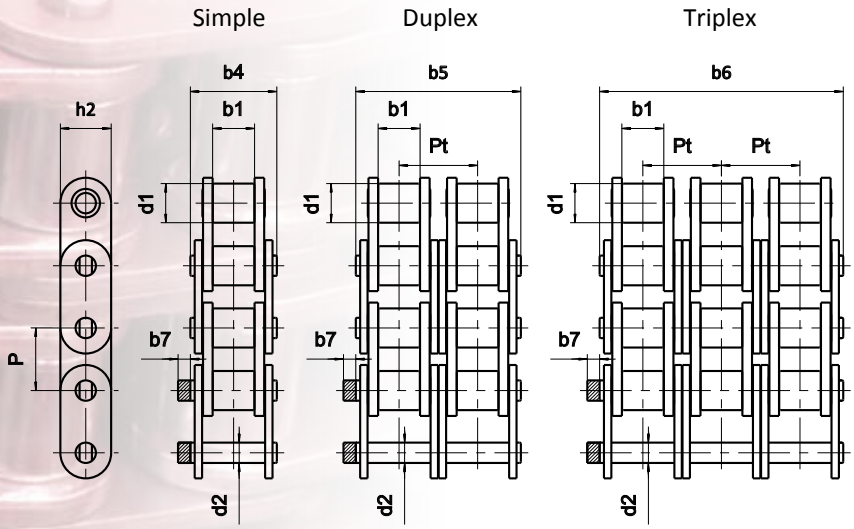
The cranked links

 **N° 216** **Single cranked cottered link** Used to obtain a chain with an odd number of pitches from ½" (12.7mm) pitch. These links have removable pins.	X	X
 **N° 217** **Single cranked link self locking nuts** Used to obtain a chain with an odd number of pitches. The play on the loose plate is suppressed by the pin conic ambit. The assembly is more reliable than the 216 crank link.	X (≥ 31,75mm, except 76,2)	
 **N° 221** **Double cranked link** Used to obtain a chain with an odd number of pitches. It is composed of an inner link and a cranked link linked by a riveted pin. For BS chains, these links are supplied with Delta® pins for a better resistance to wear.	X (≤ 38,10mm)	

TRANSMISSION CHAINS ADAPTED FOR CONVEYING

sedis

STRAIGHT SIDE PLATE CHAINS - derived from ISO 606 international standard



APPLICATIONS

Conveying of products

Dimensions in mm

References			SEDIS RANGE					General dimensions (mm)							Ultimate Tensile Strength						Mass per meter
ISO 606	SEDIS	Pitch P	ALPHA Premium	ALPHA Premium INOX	DELTA® HR	DELTA TITANIUM 2	VERTE	d1 max.	b1 min.	b4 b5 b6 max.	d2 max.	h2 max.	Pt	b7 max.	ISO 606 min. kN	ALPHA Premium min. kN	ALPHA Premium INOX min. kN	DELTA® HR min. kN	DELTA TITANIUM 2 min. kN	VERTE min. kN	kg
BS European series																					
	2ND	9,525			x			6,35	4,10	10,25	3,28	8,2	.	2,1	.	9,0	.	9,0	9,0	.	0,35
06B-1	**3N**	9,525	x	x	x	x		6,35	5,77	12,50	3,28	8,2	.	2,1	8,9	9,0	6,3	9,0	9,0	.	0,40
08B-1	**7NNE**	12,7	x	x	x	x	(1)	8,51	7,75	16,60	4,45	11,8	.	1,5	17,8	18,2	13,3	18,2	18,2	.	0,72
10B-1	**11NNE**	15,875	x	x	x	x	(1)	10,16	9,65	19,00	5,08	13,7	.	1,5	22,2	23,0	14,2	23,0	23,0	.	0,96
12B-1	**13NNE**	19,05	x	x	x	x	(1)	12,07	11,68	22,30	5,72	16,2	.	1,5	28,9	30,5	16,6	30,5	30,5	30,5	1,25
16B-1	**15TNE**	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,28	20,8	.	3,0	60,0	66,0	39,0	75,0	75,0	66,0	2,70
20B-1	**17TNE**	31,75	x	x	x	x	(2)	19,05	19,56	40,50	10,19	25,4	.	8,5	95,0	105,0	46,0	110,0	110,0	99,0	3,90
24B-1	**18TNE**	38,1	x	x	x	x	(2)	25,40	25,40	53,10	14,63	33,4	.	8,5	160,0	180,0	81,0	180,0	180,0	160,0	7,40
32B-1	**22TNE**	50,8	x		x	x	(2)	29,10	30,95	63,60	17,81	42,3	.	10,4	250,0	270,0	.	300,0	300,0	250,0	10,00
06B-2	**203N**	9,525	x	x	x	x		6,35	5,77	23,10	3,28	8,2	10,24	2,1	16,9	18,0	9,8	18,0	18,0	.	0,74
08B-2	**207NNE**	12,7	x	x	x	x	(1)	8,51	7,75	30,60	4,45	11,8	13,92	1,5	31,1	36,4	26,6	36,4	36,4	.	1,46
10B-2	**211NNE**	15,875	x	x	x	x	(1)	10,16	9,65	35,75	5,08	13,7	16,59	1,5	44,5	46,0	28,4	46,0	46,0	.	1,88
12B-2	**213NNE**	19,05	x	x	x	x	(1)	12,07	11,68	41,80	5,72	16,2	19,46	1,5	57,8	61,0	37,2	61,0	61,0	61,0	2,44
16B-2	**215TNE**	25,4	x	x	x	x	(1)	15,88	17,02	68,00	8,28	20,8	31,88	3,0	106,0	132,0	78,0	150,0	150,0	132,0	5,89
20B-2	**217TNE**	31,75	x	x	x	x	(2)	19,05	19,56	79,70	10,19	25,4	36,45	8,5	170,0	210,0	92,0	220,0	220,0	198,0	7,70
24B-2	**218TNE**	38,1	x	x	x	x	(2)	25,40	25,40	101,80	14,63	33,4	48,36	8,5	280,0	360,0	162,0	360,0	360,0	320,0	14,70
32B-2	**222TNE**	50,8	x		x	x	(2)	29,21	30,95	121,60	17,81	42,3	58,55	10,4	450,0	540,0	.	600,0	600,0	500,0	19,80
06B-3	**303N**	9,525	x	x	x	x		6,35	5,77	33,00	3,28	8,2	10,24	2,1	24,9	27,0	.	27,0	27,0	.	1,10
08B-3	**307NNE**	12,7	x	x	x	x	(1)	8,51	7,75	44,60	4,45	11,8	13,92	1,5	44,5	54,6	39,9	54,6	54,6	.	2,14
10B-3	**311NNE**	15,875	x	x	x	x	(1)	10,16	9,65	52,30	5,08	13,7	16,59	1,5	66,7	69,0	42,6	69,0	69,0	.	2,80
12B-3	**313NNE**	19,05	x	x	x	x	(1)	12,07	11,68	61,40	5,72	16,2	19,46	1,5	86,7	91,5	49,8	91,5	91,5	91,5	3,55
16B-3	**315TNE**	25,4	x	x	x	x	(1)	15,88	17,02	99,90	8,28	20,8	31,88	3,0	160,0	198,0	117,0	225,0	225,0	198,0	8,40
20B-3	**317TNE**	31,75	x	x	x	x	(2)	19,05	19,56	116,10	10,19	25,4	36,45	8,5	250,0	315,0	138,0	330,0	330,0	297,0	11,50
24B-3	**318TNE**	38,1	x	x	x	x	(2)	25,40	25,40	150,20	14,63	33,4	48,36	8,5	425,0	540,0	243,0	540,0	540,0	480,0	22,20
32B-3	**322TNE**	50,8	x		x	x	(2)	29,21	30,95	179,80	17,81	42,3	58,55	10,4	670,0	810,0	.	900,0	900,0	750,0	29,60

ANSI versions and double pitch versions on request only.

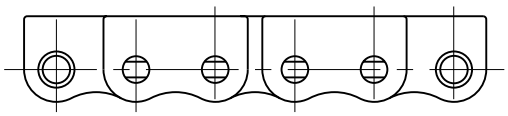
(1): References in Lub Free. In DELTA® VERTE please consult us
(2): Only available in DELTA® VERTE

Chains with Deep Link Side Plates - Derived from ISO 606

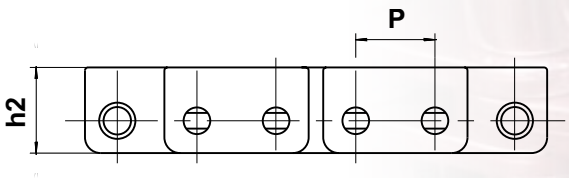
APPLICATIONS

These chains allow load to be conveyed directly on the side plate. Eg. bricks, tiles, building materials, ... For this type of use, it is recommended to use DELTA® .

Waisted plates

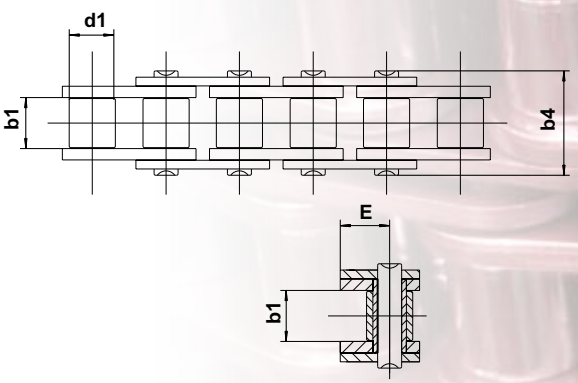


Straight side plates



Dimensions in mm

References		Pitch	VERSIONS		plate shape	d1	b1	b4	h2	E	UTS
ISO 606	SEDIS	P	ALPHA Premium	DELTA® HR		max.	min.	max.			kN
	10N	15,875	x	x	waisted	10,16	6,50	16,4	18,0	11,1	23
10B-1	**11N**	15,875	x	x	waisted	10,16	9,65	19,0	18,0	11,1	23
12A-1	**60-1**	19,05	x	x	straight	11,91	12,65	25,4	22,3	14,1	38



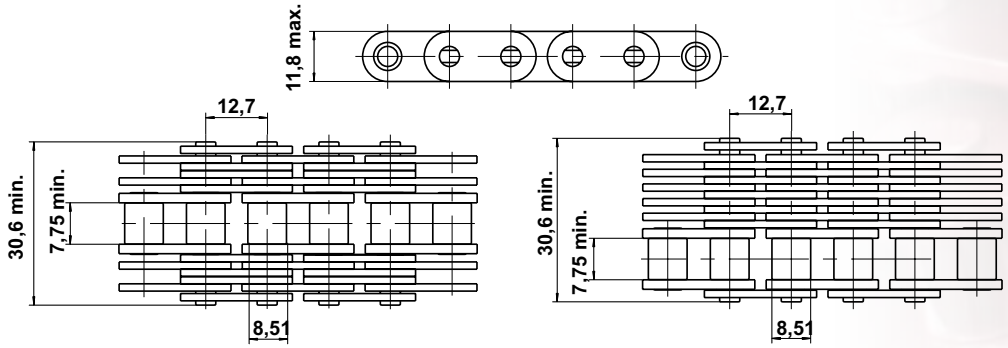
Conveyor Belt Chains

These chains called “belt” chains are always derived from chains with straight side plates. They retain the same characteristics to the nearest lateral dimension. They can be of the lateral type (with plates) with one or two sides. The basis may be a simple, duplex or triplex chain.

APPLICATIONS

In light handling, for conveying loads placed directly on the chain and accumulated. The number of plates limits the contact pressure and hence the marking of parts.

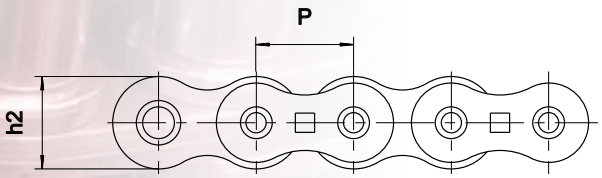
e.g.: basic chain 7NNE

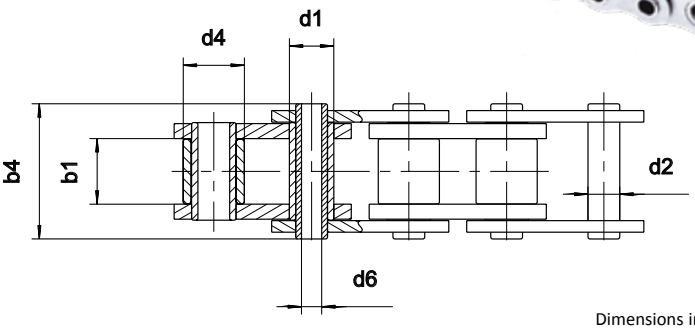


Hollow Bearing Pin Chains

APPLICATIONS

In light handling, small conveyors usually using two parallel chains
Examples: transport of sprays, of toothpaste, packaging machinery





Dimensions in mm

References		Pitch	SEDIS RANGES				d1	d4	b1	b4	d2	d6	h2	Nominal bearing surface	Ultimate Tensile Strength				Mass per meter
ISO 606	SEDIS	P	ALPHA Premium	ALPHA Premium INOX	DELTA® HR	DELTA TITANIUM 2	max.	max.	min.	max.	max.	min.	max.	mm^2	ALPHA Premium min. kN	ALPHA Premium INOX min. kN	DELTA® HR min. kN	DELTA TITANIUM 2 min. kN	kg
08B-1	**7C40**	12,7	x				8,51	.	7,75	16,50	6,55	4,00	11,80	73	11,1				0,58
08B-1	**7C45**	12,7	x				8,51	.	7,75	16,50	6,55	4,50	11,80	73	11,1				0,53
12B-1	**13C**	19,05	x				12,07	.	11,68	23,00	8,25	6,10	18,30	128	24,0				1,07
16A-1	**80C**	25,4	x				15,88	.	15,87	32,60	11,58	8,05	24,00	260	41,2				2,00
SEDIS Special chains	**5508-03**	25,4	x	(1)			.	17,10	19,90	35,70	11,11	8,20	20,80	292	44,0	15,0			2,40
	5508-06	25,4	x				14,11	.	19,90	35,70	11,11	8,20	20,80	292	44,0				2,30
	A55BC	41,75	x	(1)			.	17,10	19,90	35,70	11,11	8,20	21,65	292	26,5	17,6			1,43
	A155TS	41,75	x		x	x	.	17,10	19,90	35,70	11,11	8,20	25,26	292	49,0		49,0	49,0	1,90
	ZC50B50	50,8	x				22,51	.	19,00	46,60	17,10	12,50	32,00	540	90,0				3,70
	ZC50S50	50,8	x				.	29,34	19,00	46,60	17,10	12,50	32,00	540	90,0				4,50
	ZC60B60	60	x				22,51		19,00	46,60	17,10	12,50	32,00	540	90,0				3,40
	ZC60S60	60	x				.	29,34	19,00	46,60	17,10	12,50	32,00	540	90,0				4,00
	S800	80	x				.	29,00	31,00	53,10	17,10	12,50	40,00	660	70,0				5,30

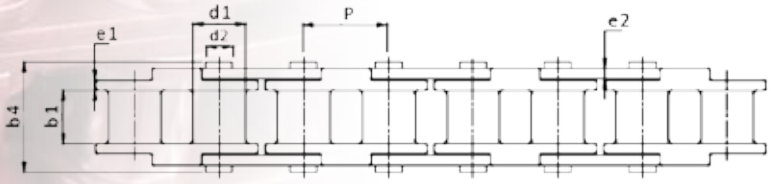
(1): Possibility to manufacture Stainless steel version. Consult us for dimensions.

Other conveyor chains with hollow bearing pin: MC27, MC55, MC110 (See Conveyor Chains Catalogue)

Polysteel Chains

APPLICATIONS

Food industry, pharmaceutical industry

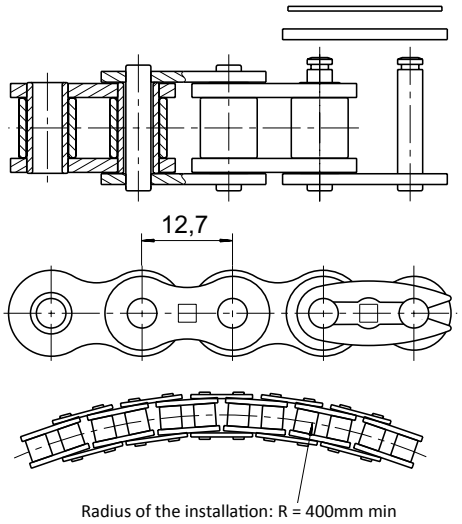


References	Pitch	d1	b1	b4	d2	e1	e2
	P	max.	min.	max.	max.	max.	
35-1	9,5	5,08	4,78	14,00	3,59	1,25	2,20
40-1	12,7	7,92	7,95	16,38	3,97	1,50	1,50
50-1	15,9	10,16	9,53	20,60	5,09	2,00	2,00

- The inner links are made of technical plastic and the outer links are made of stainless austenite steel 304
- This type of chains operates without lubrication and is corrosion resistant
- Its functioning temperature is from -20°C to +80°C
- This chain is 50% lighter than the equivalent steel chain. The tension effort is very limited
- The standard sprockets are made of stainless steel or in plastic
- The chain is delivered unriveted

CHAIN 7N (08B-1)

drawing: 5272-74



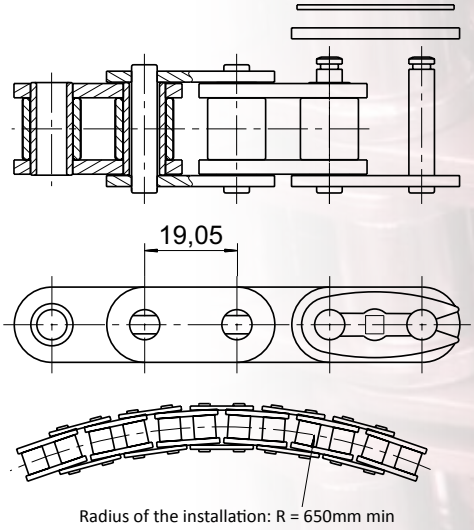
Average chain pitch = 12,94mm

To be used wih the sprockets of 7N chain with 17 teeth maximum

CHAIN 60-1NE (12A-1)

drawing: 5312-53

Example: conveyor of bottles for bottling lines

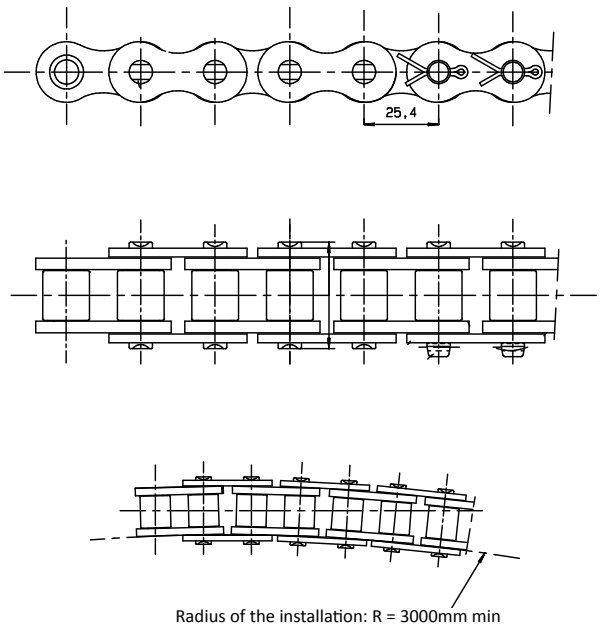


Average chain pitch = 19,3mm

To be used wih the sprockets of 60-1NE chain with 17 teeth maximum

CHAIN 15T (16B-1)

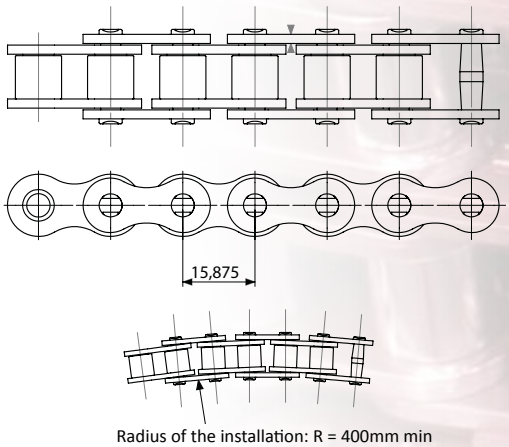
drawing: 5811-32



CHAIN 50-1

«BARREL» SHAPED PINS

drawing: 5245-58



80-1 version with «barrel» shaped pins: 5294-33

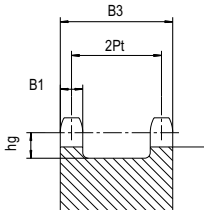
ACCUMULATOR CHAINS - Basic chains comply with ISO 606

APPLICATIONS

Conveying of support tables, of pallets, skid conveyors. These conveyor systems rest on rollers (side or central) and can be stopped and accumulated while the chain retains a constant linear speed.

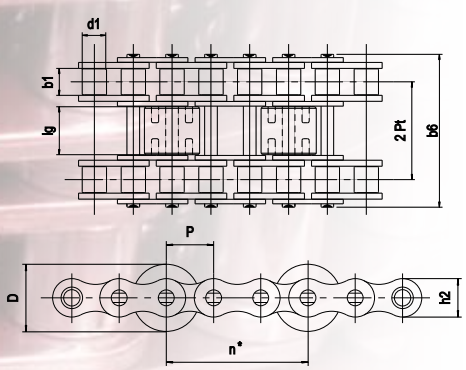
The central rollers are made of **steel** or **plastic**.
Two solutions to improve the acceleration of loads:
1- The use of central roller **TURNING** around **BUSH**,
2- The use of **BRAKING CLIPS** to brake the rotation of central rollers.
Please, consult us.

CORRESPONDING SPROCKET



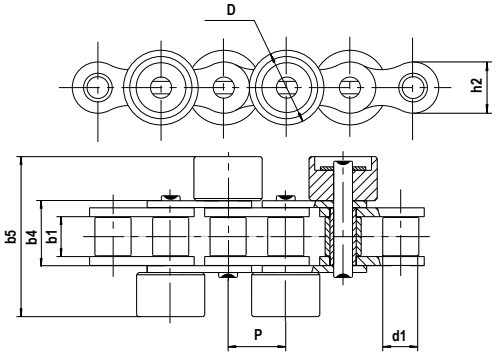
Chain reference		Pitch	2Pt	B1	B3	hg
ISO 606	SEDIS	mm				min.
06B-3	**303N**	9,525	20,48	5,2	25,6	8,0
08B-3	**307N**	12,7	27,84	7,0	34,9	10,0
10B-3	**311N**	15,875	33,18	9,0	42,1	12,0
12B-3	**313N**	19,05	38,92	10,8	49,8	15,0
16B-3	**315T**	25,4	63,76	15,8	76,6	18,5
20B-3	**317T**	31,75	72,90	18,2	91,0	23,5
24B-3	**318T**	38,1	96,72	23,6	120,3	25,0

A TYPE



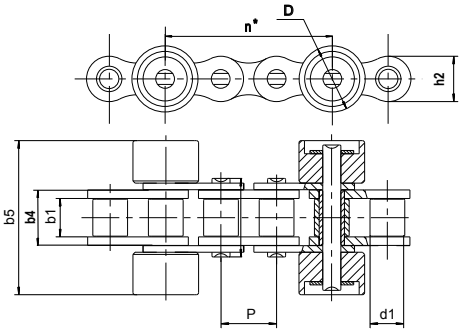
Distinctive feature: *n = Number of pitches P between 2 rollers
n minimum = 2
Frequency «n» to be precised

C TYPE



Distinctive feature: Mounting of rollers alternatively every pitch allows transportation of short loads

D TYPE



Distinctive feature: *n = Number of pitches between 2 rollers
n minimum = 2
Frequency «n» to be precised

Dimensions in mm

References		Pitch	SEDIS RANGE				d1	D	lg	b1	b4	b5	b6	Pt	Ultimate Tensile Strength (kN)			
ISO 606	SEDIS	P	ALPHA Premium	DELTA® HR	DELTA TITANIUM 2	VERTE	max.		min.	min.	max.	max.	max.		ALPHA Premium	DELTA® HR	DELTA TITANIUM 2	VERTE
A TYPE																		
06B-3	**303N**	9,525	x	x	x		6,35	14,0	7,4	5,77			33,00	10,24	17,6	18,0	18,0	
08B-3	**307N**	12,7	x	x	x	(1)	8,51	18,0	9,9	7,75			44,60	13,92	36,4	36,4	36,4	33,2
10B-3	**311N**	15,875	x	x	x	(1)	10,16	22,0	11,7	9,65			52,30	16,59	46,0	46,0	46,0	37,2
12B-3	**313N**	19,05	x	x	x	(1)	12,07	28,0	15,5 | 19,0	11,68			61,40	19,46	61,0	61,0	61,0	61,0
16B-3	**315T**	25,4	x	x	x	(1)	15,88	35,0	24,4	17,02			99,90	31,88	132,0	150,0	150,0	132,0
20B-3	**317T**	31,75	x	x	x		19,05	45,0	35,1	19,56			116,10	36,45	210,0	220,0	220,0	
24B-3	**318T**	38,1	x	x	x		25,40	50,0	47,0	25,40			150,20	48,36	360,0	360,0	360,0	
C TYPE																		
08B	**7N**	12,7	x	x	x		8,51	15,8		7,75	16,60	33,00			18,2	18,2	18,2	
10B	**11N**	15,875	x	x	x		10,16	22,0		9,65	19,00	42,00			23,0	23,0	23,0	
12B	**13N**	19,05	x	x	x		12,07	25,0		11,68	22,30	48,00			30,5	30,5	30,5	
D TYPE																		
08B	**7N**	12,7	x	x	x		8,51	15,8		7,75	16,60	33,00			18,2	18,2		
10B	**11N**	15,875	x	x	x		10,16	22,0		9,65	19,00	42,00			23,0	23,0		
12B	**13N**	19,05	x	x	x		12,07	25,0		11,68	22,30	48,00			30,5	30,5		

(1): References in Lub Free version. Delta® VERTE version on request.

Many other possible versions. Consult us.

CHAINS WITH EXTENDED BEARING PINS - comply with ISO 606

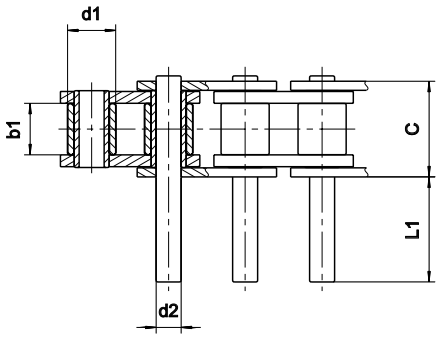
APPLICATIONS

Light conveyor, to transfer parts to different workstations, conveyors, indexing mechanisms and lifting installations.

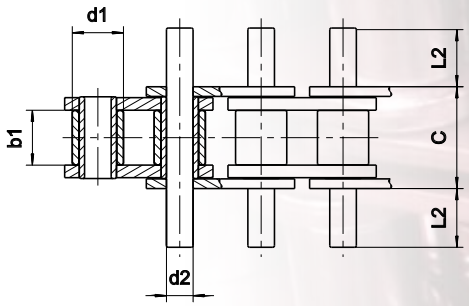
DESPATCH
WITHIN 48 HOURS POSSIBLE FOR 50M MAXIMUM
FOR HIGHLIGHTED REFERENCES BELOW
CONSULT US

The main advantage of this type of conveyor chain is that the effort is applied without torque in the center of the chain.
These pins are fitted on request according to the chosen position to be specified when ordering.

OFF-SET



SYMETRICAL



Dimensions in mm

References		Pitch	SEDIS RANGE					d1	b1	c	d2	L1								L2							
ISO 606	SEDIS		ALPHA Premium	ALPHA Premium INOX	DELTA® HR	DELTA Titanium 2	CHAIN VERTE	max.	min.	max.	max.																
06B-1	3N	9,525	x		x	x		6,35	5,77	11,01	3,28	11,1	21,7							5,8	11,1						
08B-1	7N	12,7	x	x	x	x	(1)	8,51	7,75	14,43	4,45	3,5	15,2	29,2						2,2	8,1	15,1					
10B-1	11N	15,875	x	x	x	x	(1)	10,16	9,65	16,95	5,08	4,3	11,2	17,8	21	24,8	34,4	39,1		2,6	6,1	9,4	11,0	12,9	17,7	20,0	
12B-1	13N	19,05	x	x	x	x	(1)	12,07	11,68	19,75	5,72	10,4	14,1	20,9	40,5					5,8	7,6	11,0	20,8				
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	32,10	8,28	8,3	18,3	21,5	34,3	66,2	98,1	130	193,6	5,0	10,0	11,6	18,0	33,9	49,9	65,8	97,6
20B-1	17T	31,75	x	x	x	x	(2)*	19,05	19,56	36,80	10,19	6,6	10,3	14,0	21,5	25,4	38,4	54,4	74,9	4,2	6,0	7,9	11,6	13,6	20,1	28,1	38,3
24B-1	18T	38,1	x	x	x	x	(2)*	25,40	25,40	48,72	14,63	11,7	16,9	37,4	51,1	58,3	79,7	99,5	341,4	6,8	9,4	19,7	26,5	30,1	40,8	50,7	171,7
28B-1	20T	44,45	x		x	x	(2)	27,94	30,99	60,00	15,90	22,0	48,1	62,5	122,4					12,1	25,2	32,4	62,3				
32B-1	22T	50,8	x		x	x	(2)	29,21	30,99	58,62	17,81	19,5	61,8	44,2	69,0	120,7	179,3	294,6		10,9	32,1	23,3	35,7	61,5	90,8	148,7	
40B-1	23T	63,5	x		x	x	(2)	39,37	38,10	72,70	22,89	30,0	62,2	76,4	149,0	221,4	294,4			16,5	32,6	39,7	76,0	112,2	148,7		
48B-1	24T	76,2	x		x	x		48,26	47,70	91,40	29,22	35,5	95,7	186,9						19,4	49,5	95,1					

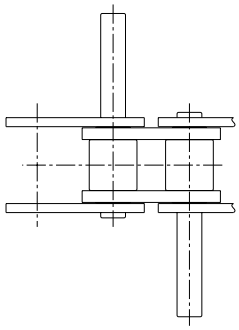
(1): References in Lub Free. In DELTA® VERTE please consult us
(2): Only available in DELTA® VERTE
* The pin diameter is different. Please consult us.
To know chains' UTS, see tables on pages 18 and 19.

Other possibilities:
- Execution on double strand chains
- Execution on ANSI - American series

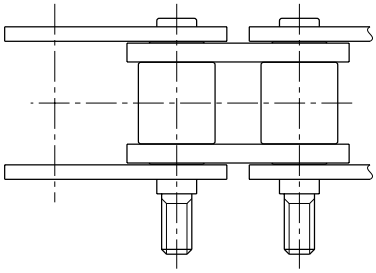
MATCHING POSSIBLE FOR HIGHER ACCURACY

OTHER SPECIAL EXTENDED PINS

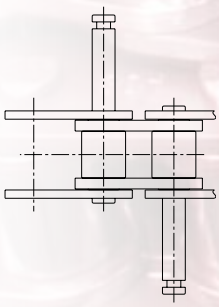
ALTERNATELY OFF-SET PINS



THREADED PINS



CONNECTING PINS



CHAINS WITH "K" ATTACHMENTS - comply with ISO 606

APPLICATIONS

Conveyors and special machines, mounting on transport systems using two or more chains in parallel.

DESPATCH
WITHIN 48 HOURS POSSIBLE FOR 50M MAXIMUM
FOR HIGHLIGHTED REFERENCES BELOW
CONSULT US

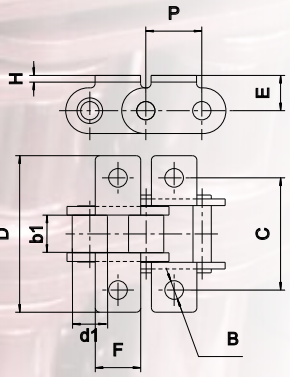
MATCHING POSSIBLE FOR HIGHER ACCURACY

K1C

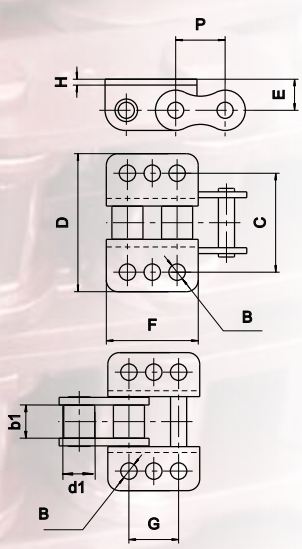
K3L

** K1C ATTACHMENTS EVERY 2 PITCHES ON ONE SIDE ON OUTER LINKS AVAILABLE IN STOCK

K1C: Short angle bracket 1 hole



K1L: Long angle bracket 1 hole
K2L: Long angle bracket 2 holes
K3L: Long angle bracket 3 holes



2060 chain with K5 attachment

ATTACHMENTS K1C

fitting possible at every pitch on one or both sides
(Except for 17T. Minimum every 2 pitches on outer links on one or both sides)

Dimensions in mm

References		Pitch	SEDIS RANGE					d1	b1	Over riveted pins	B	C	D	E	F	G	H
ISO 606	SEDIS	P	ALPHA Premium	ALPHA Premium INOX	DELTA® HR	DELTA® Titanium 2	VERTE	max.	min.	max.	min.	nom.	maxi	nom.	max.	nom.	nom.
K1C attachment on OUTER link																	
06B-1	3N	9,525	x		x	x		6,35	5,77	12,50	3,10	19,85	29,05	6,55	8,30		1
08B-1	7N	12,7	**		x	x	(1)	8,51	7,75	16,60	4,30	25,40	37,95	9,20	10,70		1,3
10B-1	11N	15,875	**		x	x	(1)	10,16	9,65	19,00	5,30	31,75	46,65	10,60	13,80		1,6
12B-1	13N	19,05	**		x	x	(1)	12,07	11,68	22,30	7,12	38,10	61,00	13,80	16,50		1,8
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	50,80	74,00	16,15	20,76		3
20B-1	17T	31,75	x		x	x		19,05	19,56	40,50	8,40	63,50	96,00	20,10	25,76		3,5
(*)	18T	38,1	x		x	x		25,40	25,40	53,10	11,00	88,00	129,00	25,00	38,00		5
K1C attachment on INNER link																	
08B-1	7N	12,7	x		x	x		8,51	7,75	16,60	4,30	25,40	35,55	9,20	10,70		1,6
10B-1	11N	15,875	x		x	x		10,16	9,65	19,00	5,30	31,75	42,65	10,60	13,80		1,6
12B-1	13N	19,05	x		x	x		12,07	11,68	22,30	7,12	38,10	57,00	13,80	16,50		1,8
16B-1	15T	25,4	x		x	x		15,88	17,02	35,10	8,40	50,80	74,00	16,15	20,76		3,9
20B-1	17T	31,75	x		x	x		19,05	19,56	40,50	8,40	63,50	96,00	20,10	25,76		4,5

ATTACHMENTS - K1L- K2L- K3L

fitting at minimum every two pitches (one or both sides)

K1L attachment on OUTER link																	
06B-1	3N	9,525	x		x	x		6,35	5,77	12,50	3,10	19,85	29,05	6,55	17,70		1,00
08B-1	7N	12,7	x		x	x	(1)	8,51	7,75	16,60	4,30	25,40	37,95	9,20	24,50		1,30
10B-1	11N	15,875	x		x	x	(1)	10,16	9,65	19,00	5,30	31,75	46,65	10,60	29,50		1,60
12B-1	13N	19,05	x		x	x	(1)	12,07	11,68	22,30	Utiliser K3L						
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	50,80	74,00	16,15	47,20		3,00
K1L attachment on INNER link																	
08B-1	7N	12,7	x		x	x		8,51	7,75	16,60	4,30	25,40	35,55	9,20	24,50		1,60
16B-1	15T	25,4	x		x	x	(1)	15,88	17,02	35,10	8,40	50,80	74,00	16,15	47,20		3,90
K2L attachment on OUTER link																	
06B-1	3N	9,525	x		x	x		6,35	5,77	12,50	3,10	19,85	29,05	6,55	17,70		1,00
08B-1	7N	12,7	x		x	x	(1)	8,51	7,75	16,60	4,80	25,40	37,95	9,20	24,50	12,70	1,30
10B-1	11N	15,875	x	x	x	x	(1)	10,16	9,65	19,00	5,30	31,75	46,65	10,60	29,50	15,88	1,60
12B-1	13N	19,05	x		x	x	(1)	12,07	11,68	22,30	Use K3L						
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	50,80	74,00	16,15	47,20	25,40	3,00
(*)	17T	31,75	x		x	x		19,05	19,56	40,50	10,40	69,00	100,00	21,00	57,50	31,70	3,50
(*)	18T	38,1	x		x	x		25,40	25,40	53,10	12,40	88,00	126,00	28,00	72,00	38,10	5,00
28B-1	20T	44,45	x		x	x		27,94	30,99	65,10	13,50	88,90	125,00	28,90	79,60	45,00	6,35
(*)	80-1	25,4	x		x	x		15,88	15,87	33,05	8,40	47,90	71,00	16,15	47,20	25,40	3,00
K2L attachment on INNER link																	
08B-1	7N	12,7	x		x	x		8,51	7,75	16,60	4,80	25,40	35,55	9,20	24,50	12,70	1,30
10B-1	11N	15,875	x		x	x		10,16	9,65	19,00	5,30	31,75	42,65	10,60	29,50	15,88	1,60
16B-1	15T	25,4	x		x	x	(1)	15,88	17,02	35,10	8,40	50,80	74,00	16,15	47,20	25,40	3,90
(*)	17T	31,75	x		x	x		19,05	19,56	40,50	10,40	69	100,00	21,00	57,50	31,7	3,50
K3L attachment on OUTER link																	
12B-1	13N	19,05	x	x	x	x	(1)	12,07	11,68	22,30	6,40	38,10	61,00	13,80	35,10	19,05	1,80
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	50,80	74,00	16,15	47,20	25,40	3,00
K3L attachment on INNER link																	
16B-1	15T	25,4	x		x	x	(1)	15,88	17,02	35,10	8,40	50,80	74,00	16,15	47,20	25,40	3,90

(*) Warning, attachment dimensions do not comply with standards

DOUBLE PITCH CHAINS - comply with ISO 1275

K1, K2 attachment on OUTER link																
210A	2050	31,75	x		x	x	(1)	10,16	9,65	20,45	5,30	31,60	50,60	12,00	28,00	15,90	2,00
K5 attachment on OUTER link																
212A	2060	38,1	x		x	x	(1)	11,91	12,65	25,40	6,50	38,60	57,50	12,00	55,50	38,10	2,35

(1): References in Lub Free. In DELTA® VERTE please consult us

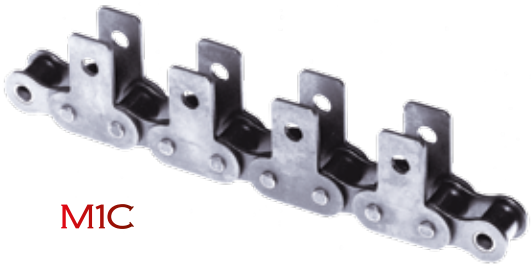
Also available in duplex or triplex chains

CHAINS WITH "M" ATTACHMENTS - comply with ISO 606

APPLICATIONS

Conveyors and special machines, mounting on transport systems using in general two or several chains in parallel

DESPATCH
WITHIN 48 HOURS POSSIBLE FOR 50M MAXIMUM
FOR HIGHLIGHTED REFERENCES BELOW
CONSULT US



M1C

M3L

MATCHING POSSIBLE FOR HIGHER ACCURACY

** M1C ATTACHMENT EVERY 2 PITCHES ON ONE SIDE ON OUTER LINKS AVAILABLE IN STOCK

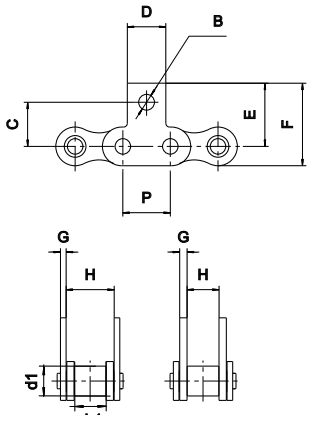
ATTACHMENTS M1C

fitting possible at every pitch on one or both sides

Dimensions in mm

References		Pitch	SEDIS RANGE					d1	b1	Over riveted pins	B	C	D	E	F	G	H	J
ISO 606	SEDIS	P	ALPHA Premium	ALPHA Premium INOX	DELTA® HR	DELTA Titanium 2	CHAIN VERTE	max.	min.	max.	min.	nom.	maxi	nom.	max.	nom.	min.	nom.
M1C attachment on OUTER link																		
06B-1	3N	9,525	x		x	x		6,36	5,77	12,50	3,10	10,00	8,30	14,60	18,70	1,00	8,63	
08B-1	7N	12,7	**		x	x	(1)	8,51	7,75	16,60	4,30	13,80	10,70	20,00	26,10	1,30	11,45	
10B-1	11N	15,875	**		x	x	(1)	10,16	9,65	19,00	5,30	16,60	13,80	24,00	31,05	1,60	13,30	
12B-1	13N	19,05	**	x	x	x	(1)	12,07	11,68	22,30	7,12	22,20	16,50	32,45	40,75	1,80	15,75	
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	23,50	20,76	33,65	44,15	3,00	25,58	
20B-1	17T	31,75	x		x	x		19,05	19,56	40,50	8,40	31,75	25,76	46,00	58,83	3,50	29,14	
M1C attachment on INNER link																		
08B-1	7N	12,7	x		x	x		8,51	7,75	16,60	4,30	15,00	10,70	20,00	26,10	1,60	7,75	
10B-1	11N	15,875	x		x	x		10,16	9,65	19,00	5,30	18,30	13,80	24,00	31,05	1,60	9,65	
12B-1	13N	19,05	x		x	x		12,07	11,68	22,30	7,12	22,20	16,50	32,45	40,75	1,80	11,68	
16B-1	15T	25,4	x		x	x		15,88	17,02	35,10	8,40	27,30	20,76	36,80	47,30	3,90	17,02	

M1C: Short attachment with 1 hole

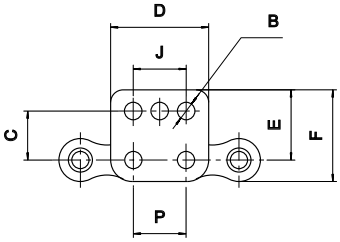


ATTACHMENTS - M1L - M2L - M3L

fitting possible at every pitch on one or both sides, except for 17T

M1L attachment on OUTER link																		
06B-1	3N	9,525	x		x	x		6,35	5,77	12,50	3,10	10,00	17,70	14,60	18,70	1,00	8,63	
08B-1	7N	12,7	x		x	x	(1)	8,51	7,75	16,60	4,30	13,80	24,50	20,00	26,10	1,30	11,45	
10B-1	11N	15,875	x		x	x	(1)	10,16	9,65	19,00	5,30	16,60	29,50	24,00	31,05	1,60	13,30	
12B-1	13N	19,05	x		x	x	(1)	12,07	11,68	22,30	Use M3L							
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	23,50	47,20	33,65	44,15	3,00	25,58	
M1L attachment on INNER link																		
08B-1	7N	12,7	x		x	x		8,51	7,75	16,60	4,30	15,00	24,50	20,00	26,10	1,60	7,75	
16B-1	15T	25,4	x		x	x		15,88	17,02	35,10	8,40	27,30	47,20	36,80	47,30	3,90	17,02	
M2L attachment on OUTER link																		
06B-1	3N	9,525	x		x	x		6,35	5,77	12,50	3,10	10,00	17,70	14,60	18,70	1,00	8,63	9,50
08B-1	7N	12,7	x	x	x	x	(1)	8,51	7,75	16,60	4,80	13,80	24,50	20,00	26,10	1,30	11,45	12,70
10B-1	11N	15,875	x		x	x	(1)	10,16	9,65	19,00	5,30	16,60	29,50	24,00	31,05	1,60	13,30	15,88
12B-1	13N	19,05	x		x	x	(1)	12,07	11,68	22,30	Use M3L							
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	23,50	47,20	33,65	44,15	3,00	25,58	25,40
16A-1	80-1	25,4	x		x	x		15,88	15,87	32,80	8,40	23,50	47,20	33,65	44,15	3,00	25,40	
M2L attachment on INNER link																		
08B-1	7N	12,7	x		x	x		8,51	7,75	16,60	4,80	15,00	24,50	20,00	26,10	1,60	7,75	12,70
16B-1	15T	25,4	x		x	x	(1)	15,88	17,02	35,10	8,40	27,30	47,00	37,00	47,30	3,90	17,02	25,40
M3L attachment on OUTER link																		
12B-1	13N	19,05	x	x	x	x	(1)	12,07	11,68	22,30	6,40	21,20	35,10	32,45	40,75	1,80	15,75	19,05
16B-1	15T	25,4	x	x	x	x	(1)	15,88	17,02	35,10	8,40	23,50	47,20	33,65	44,15	3,00	25,58	25,40
M3L attachment on INNER link																		
16B-1	15T	25,4	x		x	x	(1)	15,88	17,02	35,10	8,40	27,30	47,20	36,80	47,30	3,90	17,02	25,40

M1L: Long attachment with 1 hole
M2L: Long attachment with 2 holes
M3L: Long attachment with 3 holes



DOUBLE PITCH CHAINS - comply with ISO 1275

M1, M2 attachment on OUTER link																		
210A	2050	31,75	x		x	x		10,16	9,65	20,45	5,30	16,80	28,00	25,80	33,05	2,00	13,97	15,88
M5 attachment on OUTER link																		
212A	2060	38,1	x		x	x		11,91	12,65	25,40	6,50	17,60	55,50	27,00	35,70	2,35	17,80	38,10

(1): References in Lub Free. In DELTA® VERTE please consult us
Also available in duplex or triplex chains

CHAINS WITH SPECIAL ATTACHMENTS TYPE "B"

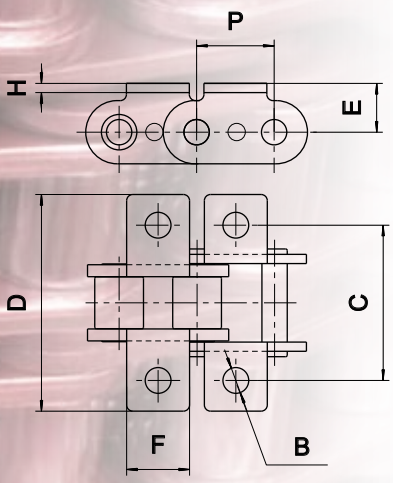
Attachments not complying with ISO 606 fitted with with chains which complies with ISO 606

APPLICATIONS

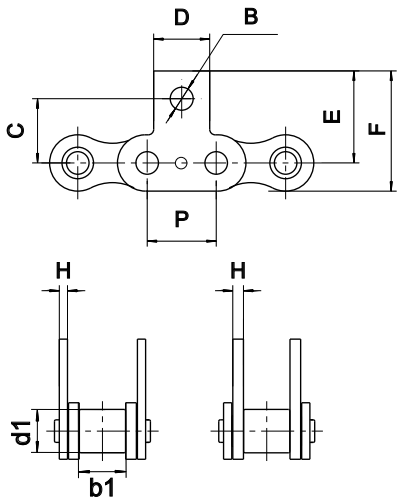
Conveyor lines, mounting on transport systems generally using 2 chains in parallel

MATCHING POSSIBLE FOR HIGHER ACCURACY

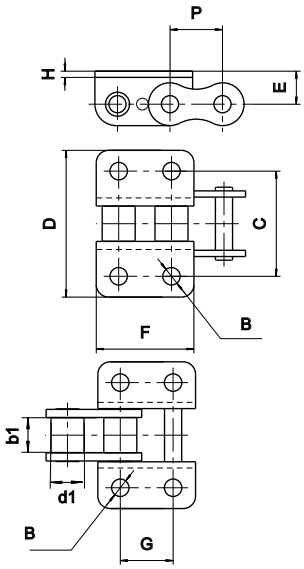
K1



M1



K2



Dimensions in mm

References		Pitch	SEDIS RANGE					d1	b1	Over riveted pins	B	C	D	E	F	G	H
ISO 606	SEDIS	P	ALPHA Premium	ALPHA Premium INOX	DELTA® HR	DELTA Titanium 2	VERTE	max.	min.	max.	min.	nom.	maxi	nom.	max.	nom.	min.
K1 attachment on OUTER link																	
08B-1	**7N**	12,7	x	x	x	x	**(1)**	8,51	7,75	16,6	4,30	23,80	36,80	9,20	10,70	.	1,30
10B-1	**11N**	15,875	x	x	x	x	**(1)**	10,16	9,65	19,0	5,30	31,75	45,00	10,60	13,80	.	1,60
K1 attachment K1 on INNER link																	
08B-1	**7N**	12,7	x		x	x		8,51	7,75	16,6	4,30	23,80	32,90	9,20	10,70	.	1,60
10B-1	**11N**	15,875	x		x	x		10,16	9,65	19,0	5,30	31,75	41,00	10,60	13,80	.	1,60
M1 attachment M1 on OUTER link																	
08B-1	**7N**	12,7	x	x	x	x	**(1)**	8,51	7,75	16,6	4,30	12,70	10,70	19,00	25,10	11,45	1,30
10B-1	**11N**	15,875	x	x	x	x	**(1)**	10,16	9,65	19,0	5,30	15,90	13,80	23,00	30,05	13,30	1,60
12B-1	**13N**	19,05	x		x	x	**(1)**	12,07	11,68	22,3	7,12	22,20	16,50	32,45	40,75	15,75	1,80
M1 attachment M1 on INNER link																	
08B-1	**7N**	12,7	x		x	x		8,51	7,75	16,6	4,30	12,70	10,70	19,00	25,10	7,75	1,60
10B-1	**11N**	15,875	x		x	x		10,16	9,65	19,0	5,30	15,90	13,80	23,00	30,05	9,65	1,60
12B-1	**13N**	19,05	x		x	x		12,07	11,68	22,3	7,12	22,20	16,50	32,45	40,75	11,68	1,80
K2 attachment on OUTER link																	
12B-1	**13N**	19,05	x		x	x	**(1)**	12,07	11,68	22,3	5,52	34,90	52,00	11,70	35,10	19,05	1,80
K2 attachment on INNER link																	
12B-1	**13N**	19,05	x		x	x		12,07	11,68	22,3	5,52	34,90	48,50	11,70	35,10	19,05	1,80
M2 attachment on OUTER link																	
12B-1	13N	19,05	x		x	x	**(1)**	12,07	11,68	22,3	5,6	17,65	35,1	26,15	34,45	19,05	1,80

(1): References in Lub Free. In DELTA® VERTE please consult us

To know the chains' UTS, see tables on pages 18 & 20

CHAINS WITH SPECIAL ATTACHMENTS TYPE "Z"

Attachments with long holes fitted with chains which complies with ISO 606

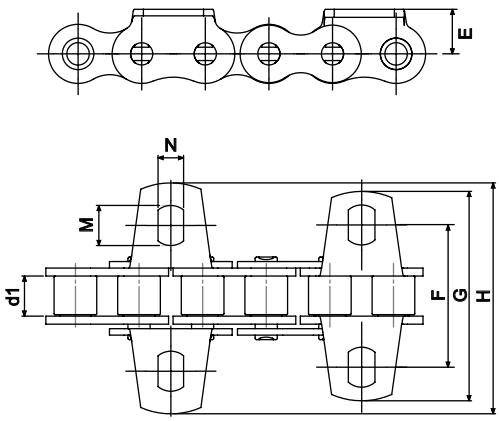
APPLICATIONS

Conveyors, mounting on transport systems using 2 chains in parallel.

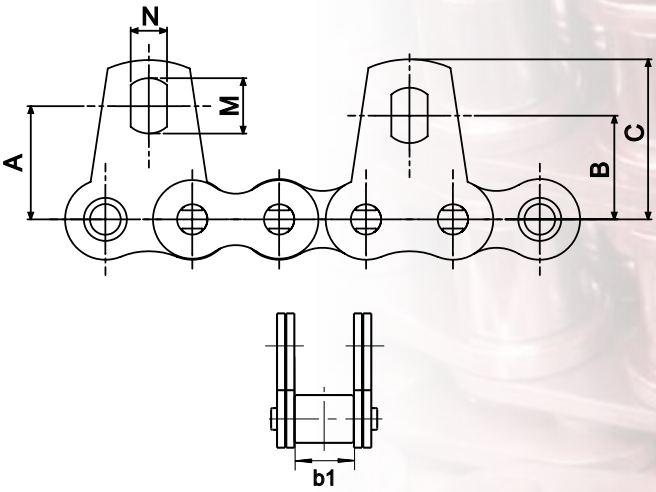
MATCHING POSSIBLE FOR HIGHER ACCURACY

DESPATCH
WITHIN 48 HOURS POSSIBLE FOR 50M MAXIMUM
FOR HIGHLIGHTED REFERENCES BELOW
CONSULT US

K1*



M1



Dimensions in mm

References		Pitch	SEDIS RANGE					d1	b1	Over riveted pins	A	B	C	E	F	G	H	M	N
ISO 606	SEDIS	mm	ALPHA Premium	ALPHA Premium INOX	DELTA® HR	DELTA TITANIUM2	VERTE	max.	min.	max.	nom.	nom.	nom.	nom.	nom.	max.	max.	min.	min.
K1 attachment on OUTER link																			
08B-1	7N	12,7	x	x	x	x	(1)	8,51	7,75	16,6				9,2	28,5	42	45,3	8	5,2
K1 attachment on INNER link																			
08B-1	7N	12,7	x	x	x	x		8,51	7,75	16,6	.	.	.	9,2	28,5	42	45,3	8	5,2
M1 attachment on OUTER link																			
08B-1	7N	12,7	x	x	x	x	(1)	8,51	7,75	16,6	16,6	15,2	23,4	9,2	28,5	42	45,3	8	5,2
M1 attachment on INNER link																			
08B-1	7N	12,7	x	x	x	x		8,51	7,75	16,6	16,6	15,2	23,4	9,2	28,5	42	45,3	8	5,2

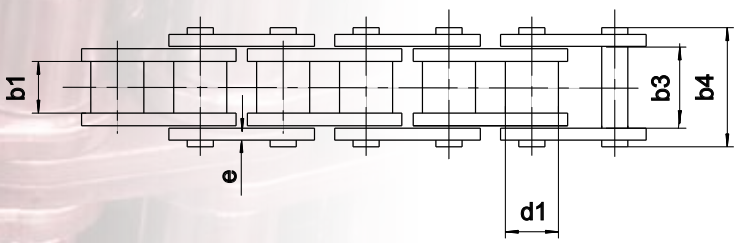
(1): References in Lub Free. In DELTA® VERTE please consult us

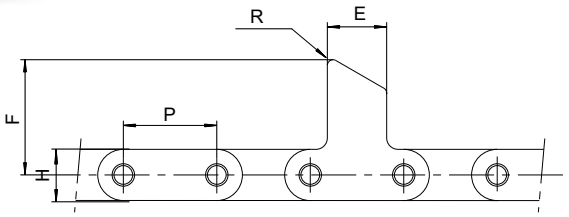
To know the chains' UTS, see tables on pages 18 & 20

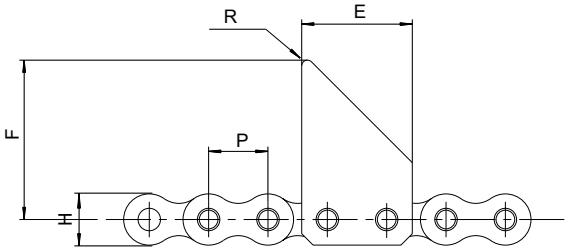
*Assembly of K1 attachments every 2 pitches minimum

Angled vertical plate chains

Examples of manufacturing







Dimensions in mm

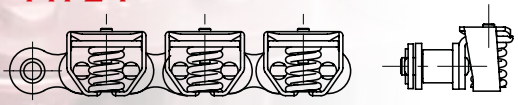
Reference	P	d1 max.	b1 min.	b3 min.	b4 max.	e	E	F max.	H min.	R	Breaking load kN
Straight side plates											
5310-04	63,5	25,40	25,33	38,05	53,1	5,2	50	76	32,0	4	180
5310-05	63,5	25,40	25,33	38,05	53,1	5,2	50	134	32,0	4	180
Waisted plates											
17T	31,75	19,05	19,42	29,15	40,5	3,7	58	82	25,4	3	105
18T	38,1	25,40	25,33	38,05	53,1	5,2	75	76	33,5	4	180

DELTA®, DELTA® TITANIUM and DELTA® VERTE versions are also available

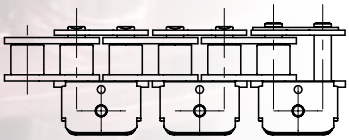
All shapes and dimensions possible. Please consult us.

Gripper Chains

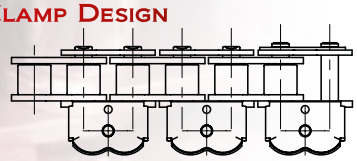
TYPE 1



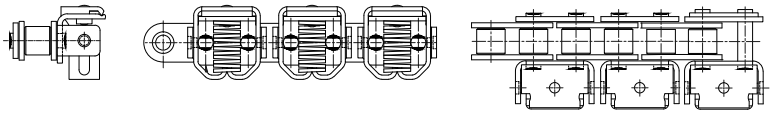
Straight Clamp design



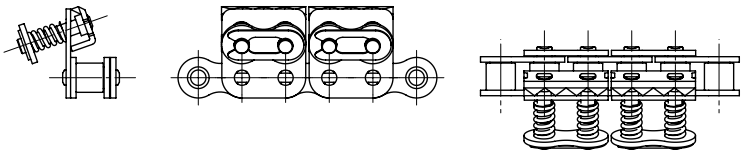
Heart Clamp Design



TYPE 2



TYPE 3



- Springs available with 50N or 100N resistance
- Different shapes of stainless steel grippers available
- Delta® Titanium 2 or nickel-plated versions
- Pitches of 12.7mm and of 15.875mm

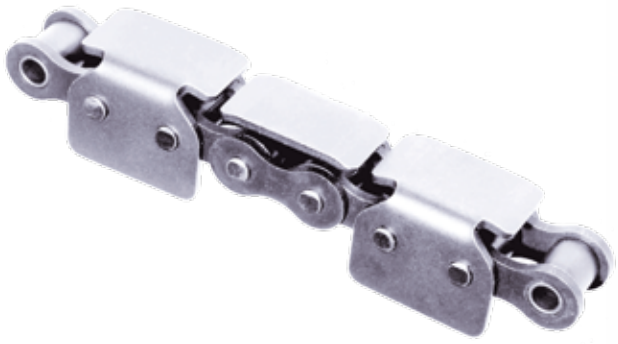
Large range of gripper chains. Please consult us.

Conveyor Chains "Type KC"

Derived from ISO 606

APPLICATIONS

These chains are usually used for small conveyors using two chains moving on a rail guided by rollers and vertical lugs.

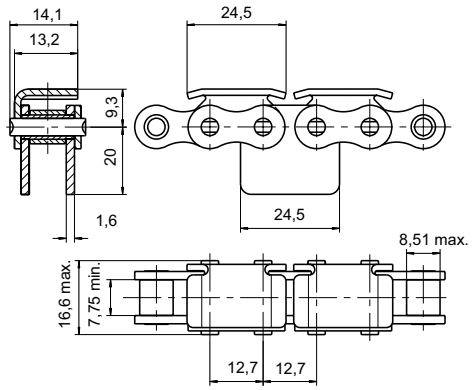


This type of chain is ideal for conveying components which can be accumulated on the conveyor, the chain continuing movement while the parts slide on the "flanged" attachments.
E.g. conveying motor vehicle parts.

Duplex and triplex chains also available

Chain 7N (08B-1) (drawing: 5272-70)

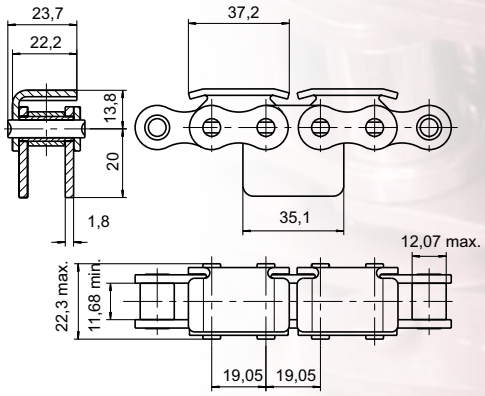
UTS min. = 18.2 kN



Vertical guide plates on request

Chain 13N (12B-1) (drawing 5268-27)

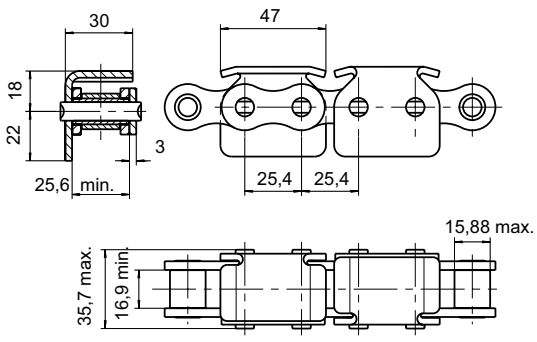
UTS min. = 30.5 kN



Vertical guide plates on request

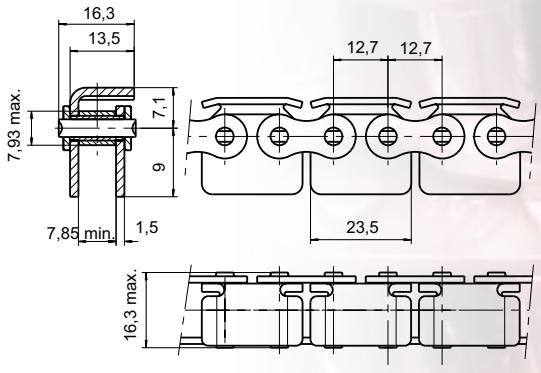
Chain 15T (16B-1) (drawing 5288-03)

UTS min. = 66 kN



Chain 40-1 (08A-1) (drawing 5415-08)

UTS min. = 16.5 kN

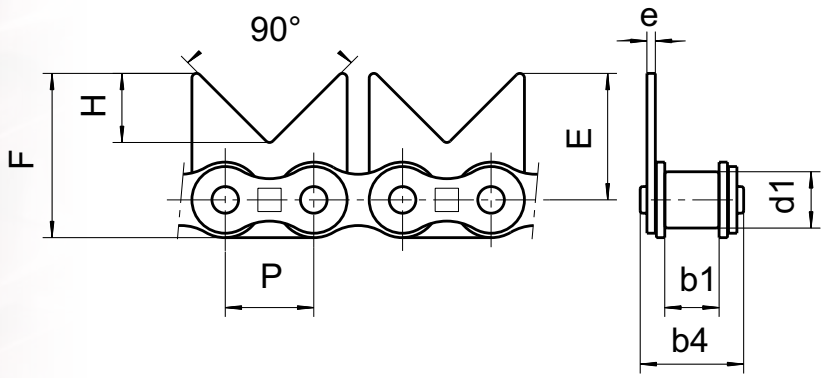


CHAINS WITH V-SHAPED PLATES - Derived from ISO 606

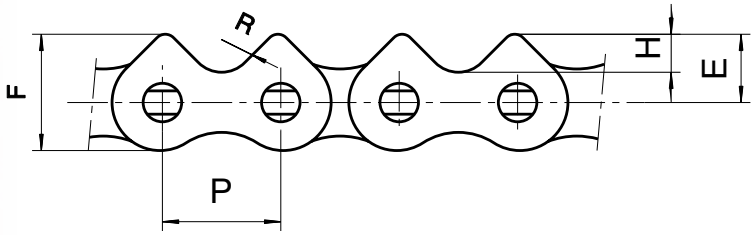
APPLICATIONS

Conveying of cylindrical parts placed directly on the "V" plates.

TYPE 1



TYPE 2



Dimensions in mm

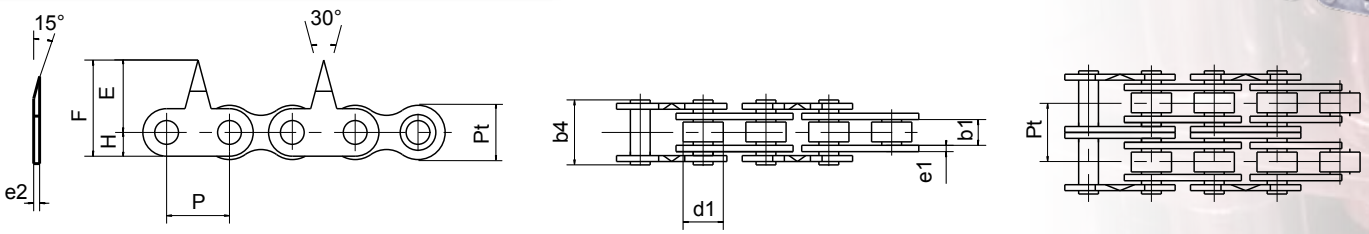
References		Pitch	VERSIONS			d1	b1	b4	V type	e	E	F	H	R	Breaking load
ISO 606	SEDIS	P	ALPHA Premium	DELTA® HR	DELTA TITANIUM 2	max.	min.	max.							kN
081	**4L**	12,7	x	x	x	7,70	3,30	8,65	1	1,2	16,25	21,25	11,0		8,0
	5T	12,7	x			7,76	5,00	12,30	1	1,0	16,25	20,35	11,0		11,6
12 B-1	**13N**	19,05	x	x	x	12,07	11,68	22,30	1	1,8	28,00	36,00	16,0		30,5
16 B-1	**15T**	25,4	x	x	x	15,88	17,02	35,10	2	3,0	14,50	24,80	6,5	7	66,0
20 B-1	**17T**	31,75	x	x	x	19,05	19,56	40,50	2	3,9	18,10	30,70	8,6	10	105,0
32B-1	**22T**	50,80	x	x	x	29,21	30,95	70,10	2	6,0	30,00	51,05	16,1	13	270,0

CHAINS WITH SPIKE ATTACHMENTS - Derived from ISO 606

APPLICATIONS

These chains are usually used for feeding plastic sheets on thermoforming machines and bubble packing machines.

MATCHING POSSIBLE FOR HIGHER ACCURACY



Dimensions in mm

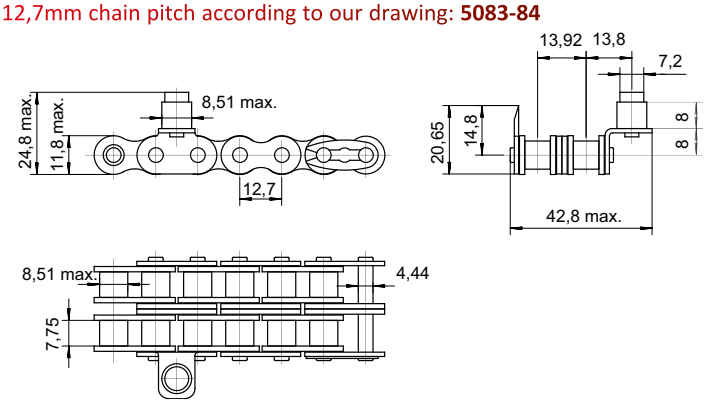
References		Pitch	SEDIS RANGE				d1	b1	b4	Pt	e1	e2	E	F	G	H
ISO 606	SEDIS	P	ALPHA Premium	DELTA® HR	DELTA TITANIUM 2	VERTE	max.	min.								
BS standard chains (European series)																
08B-1	**7N**	12,7	x	x	x	(1)	8,51	7,75	16,60	13,92	1,6	1,5	14,5	20,4	11,8	5,9
10B-1	**11N**	15,875	x	x	x	(1)	10,16	9,65	19,00	16,59	1,6	1,5	16,0	22,2	13,7	6,0
Narrow width BS standard chains - (European series)																
	6N	12,7	x	x	x		8,51	5,35	14,10		1,6	1,5	14,5	20,4	11,8	5,9
	10N	15,875	x	x	x		10,16	6,50	16,60		1,6	1,5	16,0	22,2	13,7	6,0
ANSI standard chains (American series)																
08A-1	**40-1**	12,7	x	x	x		7,93	7,85	16,30	14,38	1,6	1,5	14,5	20,4	11,5	5,9
10A-1	**50-1**	15,875	x	x	x		10,16	9,65	20,85	18,11	2,0	2,0	16,4	23,2	13,7	6,8

(1): References in Lub Free. In DELTA® VERTE please consult us

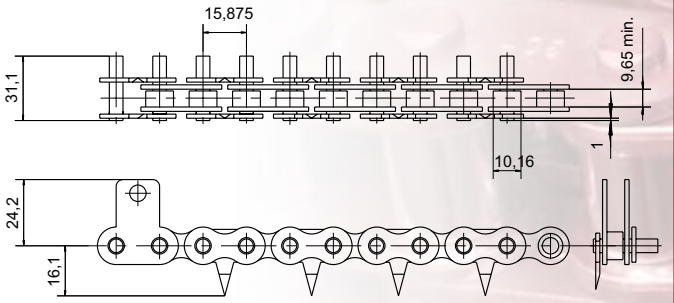
- The spike attachments are fitted on outer links at spaces to be specified on the order, on one or both sides
- The spike attachment can be with a sharp or rounded end.
- For chains like 7N, 11N and 40, fitting is possible on duplex and triplex chains.
- For dimension b4, add 1 or 2 transver- sal pitches Pt.
- To know chains UTS, see tables on pages 18 to 21.

EXAMPLES OF SPIKED CHAINS

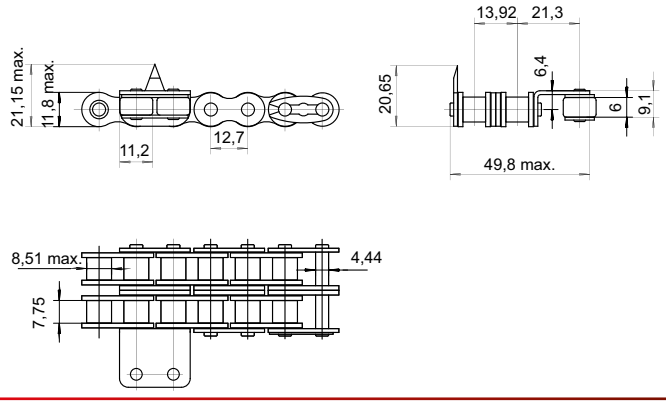
12,7mm chain pitch according to our drawing: **5083-84**



15,875mm chain pitch according to our drawing: **5273-40**



12,7mm chain pitch according to our drawing: **5083-82**

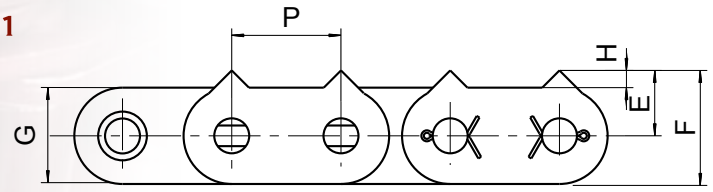


SPIKE PLATE CHAINS - Derived from ISO 606

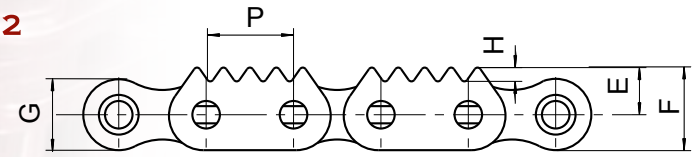
APPLICATIONS

These chains are generally used in the wood industry. e.g. conveying wood planks.

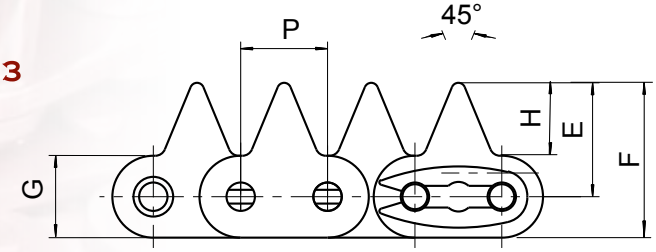
TYPE 1

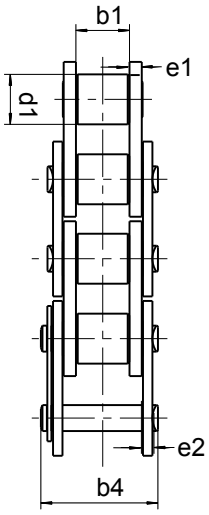


TYPE 2



TYPE 3





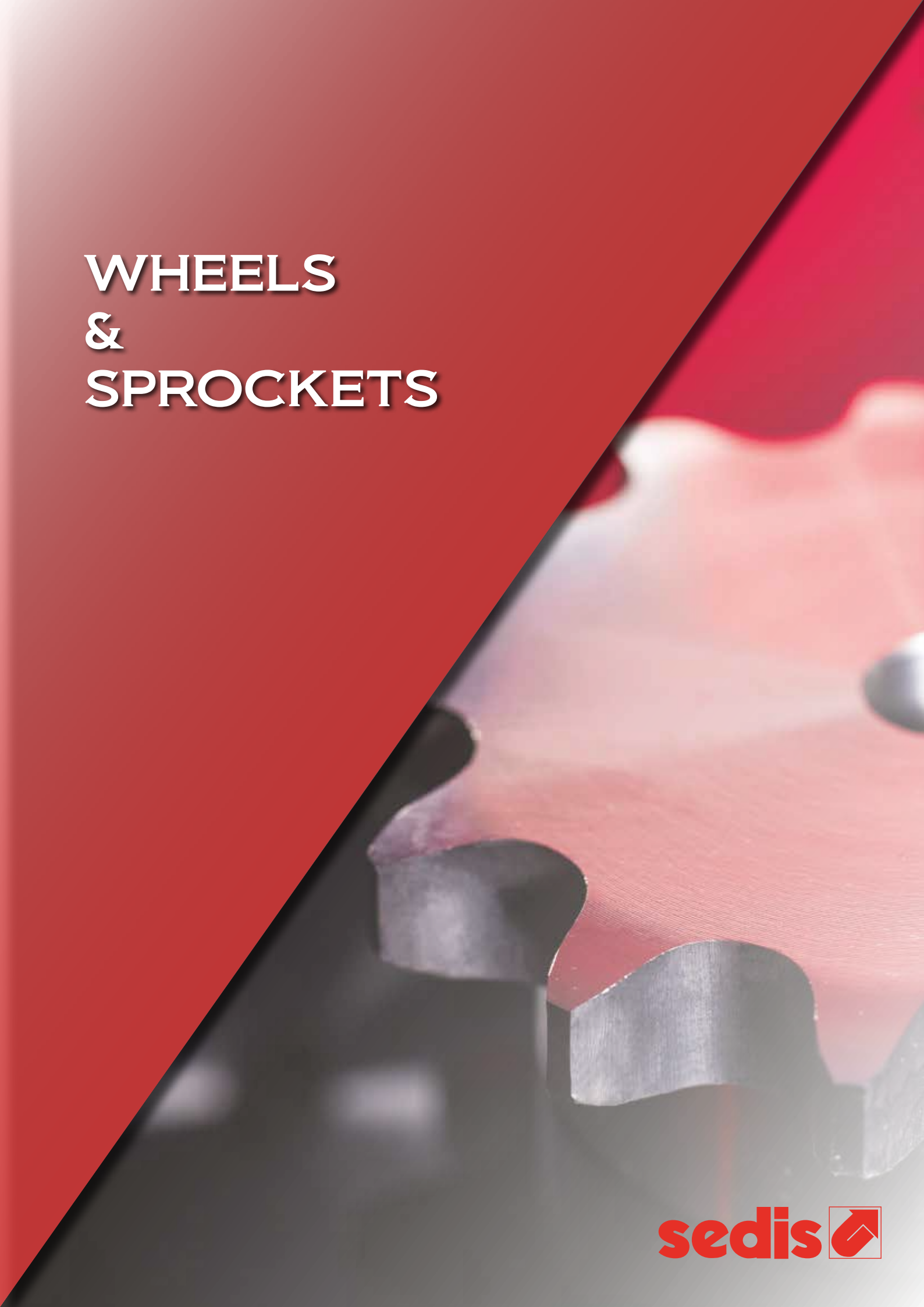
Dimensions in mm

References		Pitch	SEDIS RANGE			Spike type	d1	b1	b4	e1	e2	E	F	G	H	Breaking load
ISO 606	SEDIS	P	ALPHA Premium	DELTA® HR	DELTA TITANIUM 2		max.	min.	max.							kN
16 B-1	**15T**	25,4	x	x	x	2	15,88	17,02	35,1	3,9	3,0	13,7	24,0	20,6	4	66
16 B-1	**15T**	25,4	x	x	x	3	15,88	17,02	35,1	3,9	3,0	33,3	45,2	23,8	21,4	66
20 B-1	**17T**	31,75	x	x	x	1	19,05	19,56	40,5	4,5	3,5	19,0	33,0	28,0	5	105

- In duplex and triplex chain for 15T (16B-1) and 17T (20B-1): consult us.

Many other versions possible. Do not hesitate to consult our specific Wood Industry brochure for more details.

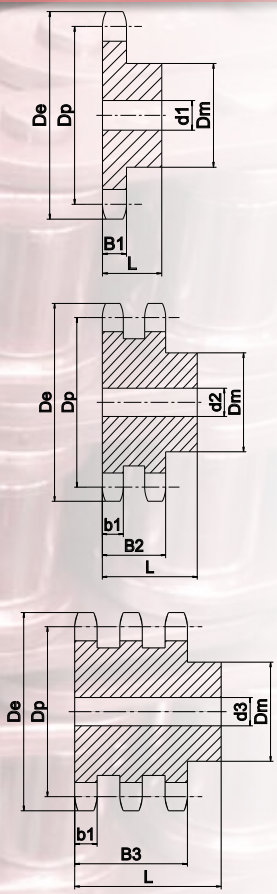
WHEELS & SPROCKETS



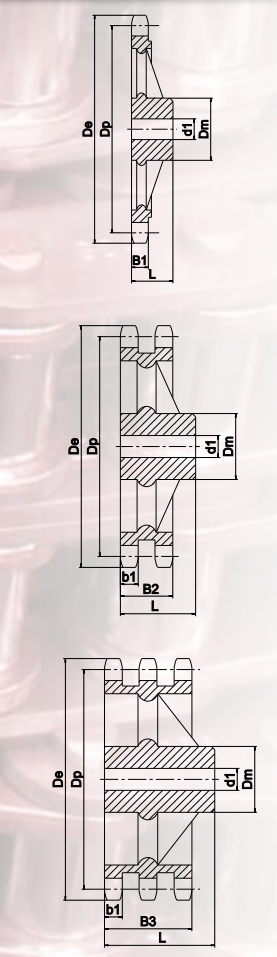
sedis

Sprockets: manufactured from steel 12 to 38 teeth (Z)

An unrivaled combination: a chain of quality with a SEDIS sprocket



Chainwheels: manufactured from cast iron ≥ to 45 teeth (Z)



Pitch mm			Z	Dp	De	SIMPLEX d1 (1)	SIMPLEX Dm (1)	SIMPLEX L (1)	SIMPLEX Reference	DUPLEX d2 (1)	DUPLEX Dm (1)	DUPLEX L (1)	DUPLEX Reference	TRIPLEX d3 (1)	TRIPLEX Dm (1)	TRIPLEX L (1)	TRIPLEX Reference
9,525			8	24,89	28,0	8	15	22	8S03	6	15	22	8S203	6	15	32	8S303
			9	27,85	31,0	8	18	22	9S03	8	18	22	9S203	8	18	32	9S303
			10	30,82	34,0	8	20	22	10S03	8	20	22	10S203	10	20	32	10S303
			11	33,8	37,0	8	22	25	11S03	10	22	25	11S203	10	22	35	11S303
			12	36,80	40,0	8	25	25	12S03	10	25	25	12S203	10	25	35	12S303
			13	39,80	43,0	10	28	25	13S03	10	28	25	13S203	10	28	35	13S303
			14	42,80	46,3	10	31	25	14S03	10	31	25	14S203	12	31	35	14S303
			15	45,81	49,3	10	34	25	15S03	10	34	25	15S203	12	34	35	15S303
			16	48,82	52,3	10	37	28	16S03	12	37	30	16S203	12	37	35	16S303
			17	51,83	55,3	10	40	28	17S03	12	40	30	17S203	12	40	35	17S303
Width of teeth	b1	5,2	18	54,85	58,3	10	43	28	18S03	12	43	30	18S203	12	43	35	18S303
			19	57,87	61,3	10	45	28	19S03	12	46	30	19S203	12	46	35	19S303
			20	60,89	64,3	10	46	28	20S03	12	49	30	20S203	12	49	35	20S303
	B1	5,3	21	63,91	68,0	12	48	28	21S03	12	52	30	21S203	14	52	40	21S303
			22	66,93	71,0	12	50	28	22S03	12	55	30	22S203	14	55	40	22S303
			23	69,95	73,5	12	52	28	23S03	12	58	30	23S203	14	58	40	23S303
	B2	15,4	24	72,97	77,0	12	54	28	24S03	12	61	30	24S203	14	61	40	24S303
			25	76,00	80,0	12	57	28	25S03	12	64	30	25S203	14	64	40	25S303
			26	79,02	83,0	12	60	28	26S03	12	67	30	26S203	14	67	40	26S303
	B3	25,6	27	82,04	86,0	12	60	28	27S03	12	70	30	27S203	14	70	40	27S303
			28	85,07	89,0	12	60	28	28S03	12	73	30	28S203	14	73	40	28S303
			29	88,09	92,0	12	60	28	29S03	12	76	30	29S203	14	76	40	29S303
			30	91,12	94,7	12	60	30	30S03	12	79	30	30S203	14	79	40	30S303
			38	115,34	119,5	16	70	30	38S03	16	90	30	38S203	16	90	40	38S303
			45 *	136,54	140,7	20	70	32	45F03	20	80	40	45F203	24	90	56	45F303
			57 *	172,91	176,9	20	70	32	57F03	20	80	40	57F203	24	90	56	57F303
			76 *	230,49	234,9	20	70	32	76F03	20	80	40	76F203	24	100	56	76F303
			95 *	288,08	292,5	20	80	40	95F03	20	90	45	95F203	24	100	56	95F303
			114 *	345,68	349,6	20	80	40	114F03	20	95	45	114F203	24	100	56	114F303
			150 *	454,8	459,2	24	90	45	150F03	24	100	50	150F203	24	125	60	150F303
12,7			8	33,18	37,2	10	20	25	8S07	10	20	32	8S207	10	20	46	8S307
			9	37,13	41,0	10	24	25	9S07	10	24	32	9S207	12	24	46	9S307
			10	41,10	45,2	10	26	25	10S07	10	28	32	10S207	12	28	46	10S307
			11	45,07	48,7	10	29	25	11S07	12	32	35	11S207	14	32	50	11S307
			12	49,07	53,0	10	33	28	12S07	12	35	35	12S207	14	35	50	12S307
			13	53,06	57,4	10	37	28	13S07	12	38	35	13S207	14	38	50	13S307
			14	57,07	61,8	10	41	28	14S07	12	42	35	14S207	14	42	50	14S307
			15	61,09	65,5	10	45	28	15S07	12	46	35	15S207	14	46	50	15S307
			16	65,10	69,5	12	50	28	16S07	14	50	35	16S207	16	50	50	16S307
			17	69,11	73,6	12	52	28	17S07	14	54	35	17S207	16	54	50	17S307
Width of teeth	b1	7,0	18	73,14	77,8	12	56	28	18S07	14	58	35	18S207	16	58	50	18S307
			19	77,16	81,7	12	60	28	19S07	14	62	35	19S207	16	62	50	19S307
			20	81,19	86,8	12	64	28	20S07	14	66	35	20S207	16	66	50	20S307
	B1	7,2	21	85,22	89,7	14	68	28	21S07	16	70	40	21S207	20	70	55	21S307
			22	89,24	93,8	14	70	28	22S07	16	70	40	22S207	20	70	55	22S307
			23	93,27	98,2	14	70	28	23S07	16	70	40	23S207	20	70	55	23S307
	B2	21,0	24	97,29	101,8	14	70	28	24S07	16	75	40	24S207	20	75	55	24S307
			25	101,33	105,8	14	70	28	25S07	16	80	40	25S207	20	80	55	25S307
			26	105,36	110,0	16	70	30	26S07	16	85	40	26S207	20	85	55	26S307
	B3	34,9	27	109,40	114,0	16	70	30	27S07	16	85	40	27S207	20	85	55	27S307
			28	113,42	118,0	16	70	30	28S07	16	90	40	28S207	20	90	55	28S307
			29	117,76	120,0	16	80	30	29S07	16	95	40	29S207	20	95	55	29S307
			30	121,50	126,4	16	80	30	30S07	16	100	40	30S207	20	100	55	30S307
			38	153,8	158,6	16	90	35	38S07	20	110	40	38S207	25	120	55	38S307
			45 *	182,07	188,6	24	70	40	45F07	24	90	50	45F207	24	100	60	45F307
			57 *	230,54	236,4	24	70	40	57F07	24	90	50	57F207	24	100	60	57F307
			76 *	307,33	313,3	24	80	40	76F07	24	100	56	76F207	24	100	60	76F307
			95 *	384,11	390,7	24	80	45	95F07	24	100	56	95F207	24	120	67	95F307
			114 *	460,9	466,9	24	90	45	114F07	24	100	63	114F207	24	120	67	114F307

(1): reference dimensions only - consult us if necessary

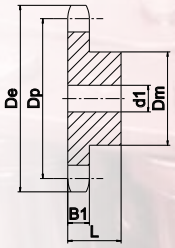
*: Cast iron wheels

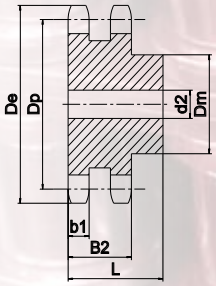
Pitch mm			Z	Dp	De	SIMPLEX				DUPLEX				TRIPLEX			
						d1 (1)	Dm (1)	L (1)	Reference	d2 (1)	Dm (1)	L (1)	Reference	d3 (1)	Dm (1)	L (1)	Reference
15,875			8	41,48	48	10	25	25	8S11	12	25	40	8S211	12	25	55	8S311
			9	46,42	52,6	10	30	25	9S11	12	30	40	9S211	12	30	55	9S311
			10	51,37	57,5	10	35	25	10S11	12	35	40	10S211	16	35	55	10S311
			11	56,34	63	12	37	30	11S11	14	39	40	11S211	16	39	55	11S311
			12	61,34	68	12	42	30	12S11	14	44	40	12S211	16	44	55	12S311
			13	66,32	73	12	47	30	13S11	14	49	40	13S211	16	49	55	13S311
			14	71,34	78	12	52	30	14S11	14	54	40	14S211	16	54	55	14S311
			15	76,36	83	12	57	30	15S11	14	59	40	15S211	16	59	55	15S311
			16	81,37	88	12	60	30	16S11	16	64	45	16S211	16	64	60	16S311
			17	86,39	93	12	60	30	17S11	16	69	45	17S211	16	69	60	17S311
Width of teeth	b1	9,0	18	91,42	98,3	14	70	30	18S11	16	74	45	18S211	16	74	60	18S311
			19	96,45	103,3	14	70	30	19S11	16	79	45	19S211	16	79	60	19S311
			20	101,49	108,4	14	75	30	20S11	16	84	45	20S211	16	84	60	20S311
	B1	9,1	21	106,52	113,4	16	75	30	21S11	16	85	45	21S211	20	85	60	21S311
			22	111,55	118	16	80	30	22S11	16	90	45	22S211	20	90	60	22S311
			23	116,58	123,5	16	80	30	23S11	16	95	45	23S211	20	95	60	23S311
			24	121,62	128,3	16	80	30	24S11	16	100	45	24S211	20	100	60	24S311
	B2	25,5	25	126,66	134	16	80	30	25S11	16	105	45	25S211	20	105	60	25S311
			26	131,7	139	20	85	35	26S11	20	110	45	26S211	20	110	60	26S311
			27	136,75	144	20	85	35	27S11	20	110	45	27S211	20	110	60	27S311
	B3	42,1	28	141,78	148,7	20	90	35	28S11	20	115	45	28S211	20	115	60	28S311
			29	146,83	153,8	20	90	35	29S11	20	115	45	29S211	20	115	60	29S311
			30	151,87	158,8	20	90	35	30S11	20	120	45	30S211	20	120	60	30S311
			38	192,24	199,2	20	100	35	38S11	20	120	45	38S211	25	120	60	38S311
			45 *	227,58	235	24	80	40	45F11	30	100	50	45F211	32	100	60	45F311
			57 *	288,18	296	24	90	45	57F11	30	100	56	57F211	32	100	63	57F311
			76 *	384,16	392,1	24	90	50	76F11	30	100	63	76F211	35	110	67	76F311
			95 *	480,14	488,5	24	100	56	95F11	30	110	63	95F211	35	125	70	95F311
			114 *	576,13	584,1	24	100	56	114F11	30	125	70	114F211	35	125	80	114F311
19,05			8	49,78	57,6	12	31	30	8S13	12	31	45	8S213	16	31	65	8S313
			9	55,7	62	12	37	30	9S13	12	37	45	9S213	16	37	65	9S313
			10	61,64	69	12	42	30	10S13	12	42	45	10S213	16	42	65	10S313
			11	67,61	75	14	46	35	11S13	16	47	50	11S213	20	47	70	11S313
			12	73,6	81,5	14	52	35	12S13	16	53	50	12S213	20	53	70	12S313
			13	79,59	87,5	14	58	35	13S13	16	59	50	13S213	20	59	70	13S313
			14	85,61	93,6	14	64	35	14S13	16	65	50	14S213	20	65	70	14S313
			15	91,63	99,8	14	70	35	15S13	16	71	50	15S213	20	71	70	15S313
			16	97,65	105,5	16	75	35	16S13	20	77	50	16S213	20	77	70	16S313
Width of teeth	b1	10,8	17	103,67	111,9	16	80	35	17S13	20	83	50	17S213	20	83	70	17S313
			18	109,71	118	16	80	35	18S13	20	89	50	18S213	20	89	70	18S313
			19	115,75	124,2	16	80	35	19S13	20	95	50	19S213	20	95	70	19S313
	B1	11,1	20	121,78	129,7	16	80	35	20S13	20	100	50	20S213	20	100	70	20S313
			21	127,82	136	20	90	40	21S13	20	100	50	21S213	20	100	70	21S313
			22	133,86	141,8	20	90	40	22S13	20	100	50	22S213	20	100	70	22S313
			23	139,9	149	20	90	40	23S13	20	110	50	23S213	20	110	70	23S313
	B2	30,3	24	145,94	153,9	20	90	40	24S13	20	110	50	24S213	20	110	70	24S313
			25	152	160	20	90	40	25S13	20	120	50	25S213	20	120	70	25S313
			26	158,04	165,9	20	95	40	26S13	20	120	50	26S213	20	120	70	26S313
	B3	49,8	27	164,09	172,3	20	95	40	27S13	20	120	50	27S213	20	120	70	27S313
			28	170,13	178	20	95	40	28S13	20	120	50	28S213	20	120	70	28S313
			29	176,19	184,1	20	95	40	29S13	20	120	50	29S213	20	120	70	29S313
			30	182,25	190,5	20	95	40	30S13	20	120	50	30S213	20	120	70	30S313
			38	230,69	239	20	100	40	38S13	25	120	50	38S213	25	130	70	38S313
			45 *	273,1	282,5	24	100	56	45F13	30	110	63	45F213	30	140	70	45F313
			57 *	345,81	354	30	100	56	57F13	30	120	63	57F213	40	140	70	57F313
			76 *	460,99	469,9	30	100	56	76F13	30	135	63	76F213	40	160	75	76F313
			95 *	576,17	585,1	30	100	65	95F13	30	135	70	95F213	40	170	82	95F313
			114 *	691,36	700,6	30	100	65	114F13	30	135	70	114F213	50	170	82	114F313

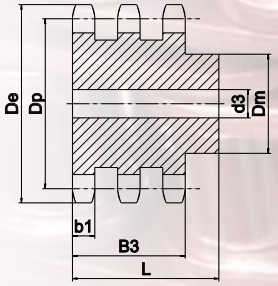
(1): reference dimensions only - consult us if necessary

*: Cast iron wheels

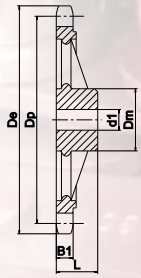
Sprockets: manufactured from steel 12 to 38 teeth (Z)

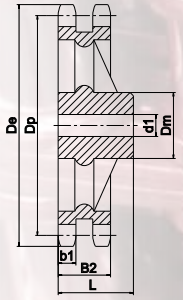


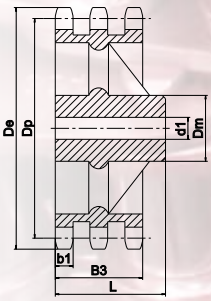




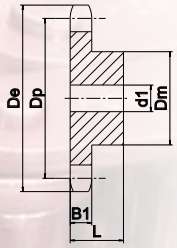
Chainwheels: manufactured from cast iron, ≥ to 38 teeth (Z)

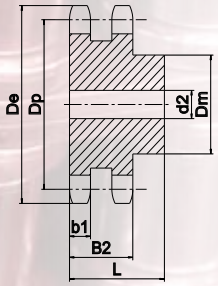


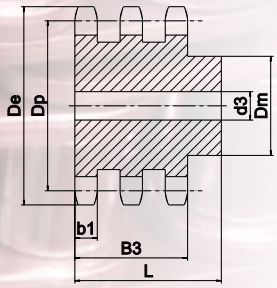




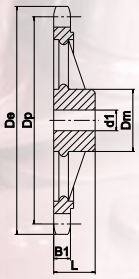
Sprockets: manufactured from steel, 12 to 30 teeth (Z)

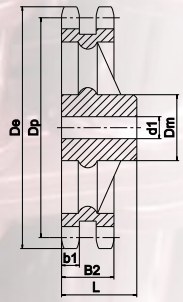


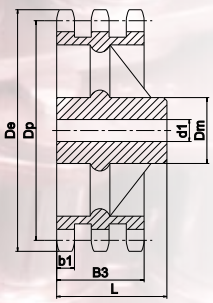




Chainwheels: manufactured from cast iron, ≥ to 38 teeth (Z)



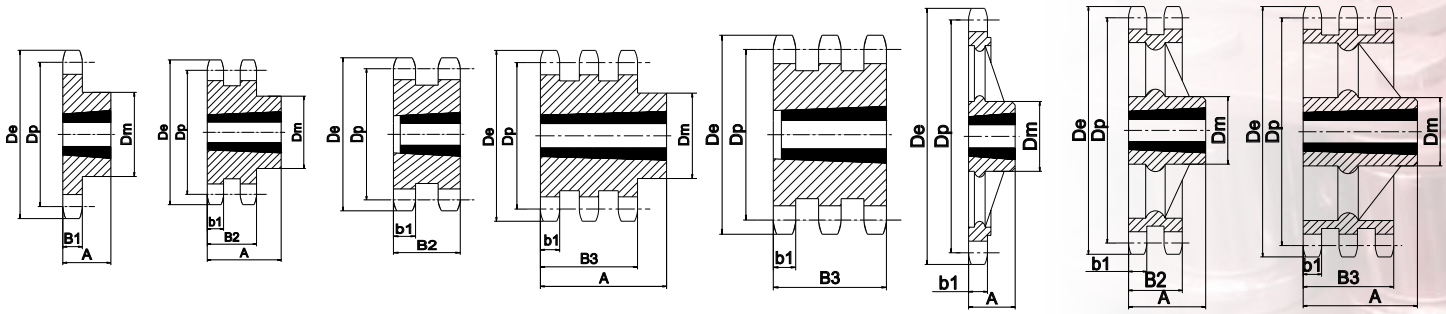




Pitch mm			Z	Dp	De	SIMPLE d1 (1)	SIMPLE Dm (1)	SIMPLE L (1)	SIMPLE Reference	DUPLEX d2 (1)	DUPLEX Dm (1)	DUPLEX L (1)	DUPLEX Reference	TRIPLEX d3 (1)	TRIPLEX Dm (1)	TRIPLEX L (1)	TRIPLEX Reference
25,4			8	66,37	77,0	16	42	35	8S15	16	42	65	8S215	20	42	95	8S315
			9	74,27	85,0	16	50	35	9S15	16	50	65	9S215	20	50	95	9S315
			10	82,19	93,0	16	55	35	10S15	16	56	65	10S215	20	56	95	10S315
			11	90,14	99,5	16	61	40	11S15	20	64	70	11S215	25	64	100	11S315
			12	98,14	109,0	16	69	40	12S15	20	72	70	12S215	25	72	100	12S315
			13	106,12	117,0	16	78	40	13S15	20	80	70	13S215	25	80	100	13S315
			14	114,15	125,0	16	84	40	14S15	20	88	70	14S215	25	88	100	14S315
			15	122,17	133,0	16	92	40	15S15	20	96	70	15S215	25	96	100	15S315
Width of teeth	b1	15,8	16	130,2	141,0	20	100	45	16S15	20	104	70	16S215	25	104	100	16S315
			17	138,22	149,0	20	100	45	17S15	20	112	70	17S215	25	112	100	17S315
			18	146,28	157,0	20	100	45	18S15	20	120	70	18S215	25	120	100	18S315
			19	154,33	165,2	20	100	45	19S15	20	128	70	19S215	25	128	100	19S315
	B1	16,2	20	162,38	173,2	20	100	45	20S15	20	130	70	20S215	25	130	100	20S315
			21	170,43	181,2	20	110	50	21S15	25	130	70	21S215	25	130	100	21S315
	B2	47,7	22	178,48	189,3	20	110	50	22S15	25	130	70	22S215	25	130	100	22S315
			23	186,53	197,5	20	110	50	23S15	25	130	70	23S215	25	130	100	23S315
			24	194,59	205,5	20	110	50	24S15	25	130	70	24S215	25	130	100	24S315
	B3	79,6	25	202,66	213,5	20	110	50	25S15	25	130	70	25S215	25	130	100	25S315
			26	210,72	221,6	20	120	50	26S15	25	130	70	26S215	30	130	100	26S315
			27	218,79	229,6	20	120	50	27S15	25	130	70	27S215	30	130	100	27S315
			28	226,85	237,7	20	120	50	28S15	25	130	70	28S215	30	130	100	28S315
			29	234,92	245,8	20	120	50	29S15	25	130	70	29S215	30	130	100	29S315
			30	243	254,0	20	120	50	30S15	25	130	70	30S215	30	130	100	30S315
			38	307,59	320,7	25	120	50	38F15	25	140	70	38F215	30	140	100	38F315
			45 *	364,12	377,0	30	125	70	45F15	40	150	75	45F215	45	160	100	45F315
			57 *	461,07	474,0	35	125	70	57F15	40	170	90	57F215	45	165	100	57F315
			76 *	614,65	627,0	35	140	80	76F15	40	175	95	76F215	45	200	110	76F315
			95 *	768,22	781,0	40	140	80	95F15	45	175	95	95F215	50	200	110	95F315
			114 *	921,81	933,0	40	140	80	114F15	45	175	95	114F215	50	200	115	114F315
31,75			12	122,68	137,8	20	88	45	12S17	25	90	80	12S217	30	90	115	12S317
			13	132,65	147,8	20	98	45	13S17	25	100	80	13S217	30	100	115	13S317
			15	152,72	167,9	20	118	45	15S17	25	120	80	15S217	30	120	115	15S317
			17	172,78	187,9	25	120	50	17S17	30	120	80	17S217	30	120	115	17S317
Width of teeth	b1	18,2	19	192,91	208,1	25	120	50	19S17	30	120	80	19S217	30	120	115	19S317
			21	213,04	228,2	25	140	55	21S17	30	140	80	21S217	30	140	115	21S317
	B1	18,5	23	233,17	248,3	25	140	55	23S17	30	140	80	23S217	30	140	115	23S317
			25	253,33	268,5	25	140	55	25S17	30	140	80	25S217	30	140	115	25S317
	B2	54,6	30	303,75	318,9	30	150	55	30S17	30	150	80	30S217	30	150	115	30S317
			38	384,49	399,4	35	125	70	38F17	45	140	90	38F217	56	180	110	38F317
	B3	120,3	45 *	455,17	470,3	35	125	70	45F17	45	140	90	45F217	56	180	110	45F317
			57 *	576,36	591,5	40	135	80	57F17	50	160	100	57F217	63	180	125	57F317
			76 *	768,32	784,3	50	140	90	76F17	50	180	100	76F217	63	200	140	76F317
			95 *	960,27	975,3	50	190	100	95F17	50	200	130	95F217	50	210	140	95F317
			114 *	1152,27	1167,3	50	200	110	114F17	50	200	160	114F217	50	200	160	114F317
38,1			12	147,22	162,0	25	102	50	12S18	25	102	100	12S218	30	102	150	12S318
			13	159,18	174,2	25	114	50	13S18	25	114	100	13S218	30	114	150	13S318
			15	183,26	198,2	25	140	50	15S18	25	140	100	15S218	30	140	150	15S318
			17	207,34	222,3	25	140	55	17S18	30	150	100	17S218	30	150	150	17S318
			19	231,49	246,5	25	140	55	19S18	30	160	100	19S218	30	160	150	19S318
Width of teeth	b1	23,6	21	255,65	270,5	30	150	60	21S18	30	160	100	21S218	40	160	150	21S318
			23	279,8	294,8	30	150	60	23S18	30	160	100	23S218	40	160	150	23S318
	B1	24,1	25	304	319,0	30	150	60	25S18	30	160	100	25S218	40	160	150	25S318
			30	364,5	379,5	30	160	60	30S18	30	160	100	30S218	40	160	150	30S318
	B2	72,0	38	461,39	476,2	45	140	90	38F18	45	180	100	38F218	60	200	150	38F318
			45 *	546,2	561,2	45	140	90	45F18	45	180	100	45F218	60	200	150	45F318
	B3	148,0	57 *	691,63	706,5	45	160	100	57F18	55	200	110	57F218	70	200	150	57F318
			76 *	921,98	936,9	45	170	100	76F18	55	220	120	76F218	70	250	150	76F318
			95 *	1152,3	1167,3	50	200	125	95F18	55	220	140	95F218	.	.	.	.
			114 *	1382,72	1397,7	50	200	125	114F18	55	300	180	114F218	70	300	200	114F318
44,45			12	171,74	189,3	25	125	70	12S20	25	125	120	12S220	30	125	180	12S320
			13	185,75	204,2	25	130	70	13S20	25	130	120	13S220	30	130	180	13S320
			15	213,79	232,3	25	145	70	15S20	25	160	120	15S220	30	145	180	15S320
			17	241,9	260,0	30	160	75	17S20	30	160	120	17S220	30	160	180	17S320
			19	270,06	289,0	30	160	75	19S20	30	180	120	19S220	30	180	180	19S320
Width of teeth	b1	28,8	21	298,24	317,0	30	160	75	21S20	30	180	120	21S220	40	180	180	21S320
			23	326,44	345,0	30	170	75	23S20	30	180	120	23S220	40	180	180	23S320
	B1	29,4	25	354,66	373,0	30	170	75	25S20	30	180	120	25S220	40	180	180	25S320
			30	425,24	444,0	30	170	75	30S20	40	180	120	30S220	40	180	180	30S320
	B2	88,4	38	538,27	560,0	40	200	100	38F20	45	240	160	38F220	45	240	180	38F320
			57 *	806,89	828,0	40	200	100	57F20	45	240	160	57F220	45	240	180	57F320
	B3	146,0	76 *	1075,6	1097,0	40	200	100	76F20	45	240	180	76F220	45	250	200	76F320
			95 *	1344,4	1366,0	45	200	120	95F20	45	280	180	95F220	45	280	200	95F320
			114 *	1613,2	1634,0	45	220	120	114F20	45	280	180	114F220	45	280	200	114F320
50,8			12	196,29	216,8	30	133	80	12S22	30	133	120	12S222	30	133	180	12S322
			13	212,29	232,8	30	145	80	13S22	30	145	120	13S222	30	145	180	13S322
			15	244,3	264,8	30	160	80	15S22	30	160	120	15S222	30	160	180	15S322
			17	276,46	296,9	30	170	90	17S22	30	180	120	17S222	30	180	180	17S322
			19	308,66	329,1	30	170	90	19S22	30	200	120	19S222	30	200	180	19S322
Width of teeth	b1	28,8	21	340,82	361,3	30	180	90	21S22	30	200	120	21S222	40	200	180	21S322
			23	373,08	393,6	30	180	90	23S22	30	200	120	23S222	40	200	180	23S322
	B1	29,4	25	405,33	425,8	30	180	90	25S22	30	200	120	25S222	40	200	180	25S322
			30	486	506,5	30	180	90	30S22	40	200	120	30S222	40	200	180	30S322
	B2	87,4	38	615,17	642,5	45	200	140	38F22	45	250	180	38F222	45	260	200	38F322
			57 *	922,17	950,0	45	200	140	57F22	45	250	180	57F222	45	260	200	57F322
	B3	146,0	76 *	1229,3	1257,0	45	200	140	76F22	45	250	180	76F222	45	260	200	76F322
			95 *	1536,4	1564,0	45	220	140	95F22	45	260	180	95F222	45	260	200	95F322
63,5			17	345,58	376,0	60	275	95	17S23	70	275	140	17S223	80	.	180	17S323
			19	385,8	414,0	60	315	95	19S23	70	315	140	19S223	80	.	180	19S323
Width of teeth	b1	35,4	21	426,05	459,4	60	356	95	21S23	70	356	150	21S223	80	.	180	21S323
	B1	36,2	23	466,34	500,1	60	396	95	23S23	70	396	160	23S223	80	.	180	23S323
	B2	107,7	25	506,65	540,8	60	436	95	25S23	70	436	160	25S223	80	.	180	25S323
	B3	180,0	38	768,96	801,8	70	240	140	38F23	80	276	170	38F223	90	296	200	38F323
			57 *	1152,71	1183,6	80	276	160	57F23	90	296	190	57F223	100	324	220	57F323
			76 *	1536,6	1566,3	80	276	170	76F23	90	315	200	76F223	110	350	240	76F323

**: reference dimensions only - consult us if necessary*

With Taper Lock Bushes



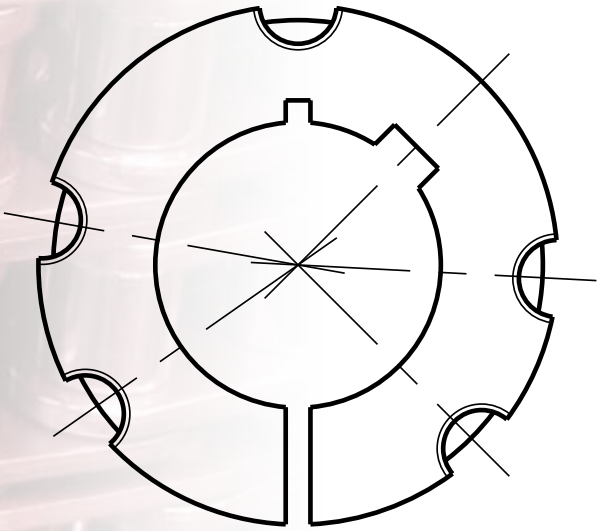
Dimensions in mm

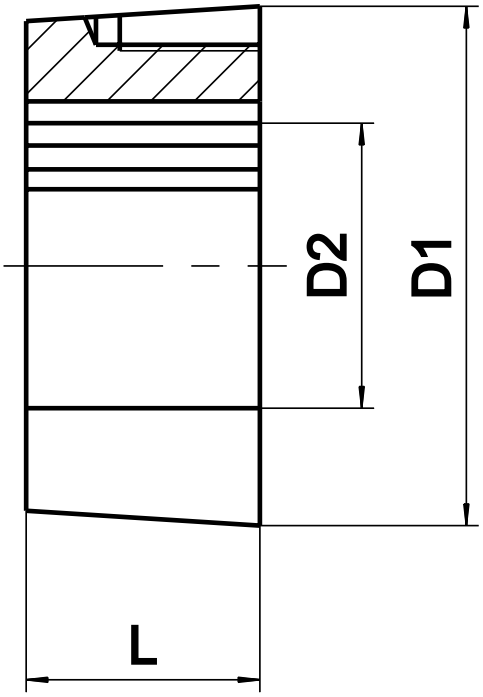
	Z	De	Dp	SIMPLEX				DUPLEX				TRIPLEX			
				Dm	A	Bush	Type	Dm	A	Bush	Type	Dm	A	Bush	Type
9,525 x 5,72 mm	17	55,5	51,83	44	22	10 08	1	42,5	22,0	10 08	2		25,6	10 08	5
	19	61,6	57,87	46	22	10 08	1	47	22,0	10 08	2		25,6	10 08	5
	21	67,6	63,91	46	22	10 08	1	49	22,0	10 08	2		25,6	10 08	5
	23	73,7	69,95	62	25	12 10	1	59	25,0	12 10	2		25,6	12 10	5
	25	79,7	76,00	63	25	12 10	1	65	25,0	12 10	2		25,6	12 10	5
Width of teeth B1 5,3	27	85,7	82,04	63	25	12 10	1	65	25,0	12 10	2		25,6	12 10	5
Width of teeth b1 5,2	30	94,8	91,12	63	25	12 10	1	65	25,0	12 10	2	79	38,0	16 15	4
Width of teeth B2 15,4	38	119	115,34	73	25	12 10	1	76	25,0	16 10	2	90	38,0	16 15	4
Width of teeth B3 25,6	*57	177,5	172,91	83	25	12 10	6	89	25,0	16 10	7				
	*76	235,1	230,49	83	25	12 10	6	89	25,0	16 10	7				
08B-1, - 2 et - 3 12,7 x 7,75 mm	15	66,5	61,09	46	22	10 08	1	46	22,0	10 08	2		34,9	10 08	5
	17	74,5	69,11	59	25	12 10	1	56	25,0	12 10	2		34,9	12 10	5
	19	82,5	77,16	63	25	12 10	1	62	25,0	12 10	2	62	38,0	12 15	4
	21	90,6	85,22	71	25	16 10	1	70	25,0	16 10	2	70	38,0	16 15	4
	23	98,7	93,27	76	25	16 10	1	79	25,0	16 10	2	70	38,0	16 15	4
Width of teeth B1 7,2	25	106,7	101,33	76	25	16 10	1	87	32,0	20 12	2		34,9	20 12	5
Width of teeth b1 7,0	27	114,8	109,40	76	25	16 10	1	87	32,0	20 12	2		34,9	20 12	5
Width of teeth B2 21,0	30	126,9	121,50	90	32	20 12	1	87	32,0	20 12	2		34,9	20 12	5
Width of teeth B3 34,9	38	159,2	153,80	102	32	20 12	1	100	32,0	20 12	2		34,9	20 12	5
	*57	237,1	230,54	111	32	20 12	6	111	32,0	20 12	7				
	*76	313,9	307,33	111	32	20 12	6	111	32,0	20 12	7				
10B-1, - 2 et - 3 15,875 x 9,65 mm	13	73,2	66,32	46	22	10 08	1								
	15	83,2	76,36	63	25	12 10	1		25,5	12 10	3		42,1	12 15	5
	17	93,3	86,39	71	25	16 10	1		25,5	16 10	3		42,1	12 15	5
	19	103,3	96,45	76	25	16 10	1		25,5	16 10	3		42,1	16 15	5
	21	113,4	106,52	76	25	16 10	1		25,5	16 10	3		42,1	16 15	5
	23	123,5	116,58	76	25	16 10	1		25,5	16 10	3		42,1	20 12	5
Width of teeth B1 9,1	25	133,6	126,66	90	32	20 12	1	90	32,0	20 12	2	105	44,0	25 17	4
Width of teeth b1 9,0	27	143,6	136,75	90	32	20 12	1	90	32,0	20 12	2	110	44,0	25 17	4
Width of teeth B2 25,5	30	158,8	151,87	102	32	20 12	1	90	32,0	20 12	2	120	44,0	25 17	4
Width of teeth B3 42,1	38	199,1	192,24	100	32	20 12	1								
	*57	296,6	288,18	111	32	20 12	6								
	*76	392,5	384,16	111	32	20 12	6								
12B-1, - 2 et - 3 19,05 x 11,68 mm	13	87,8	79,59	63	25	12 10	1								
	15	99,8	91,63	71	25	16 10	1	71	38,0	16 10	3		49,8	16 15	5
	17	111,9	103,67	76	25	16 10	1	80	38,0	16 10	3		49,8	20 12	5
	19	123,9	115,75	90	32	20 12	1	90	32,0	20 12	2		49,8	20 12	5
	21	136	127,82	102	45	25 17	1	108	45,0	25 17	2		49,8	25 17	5
	23	148,1	139,90	108	45	25 17	1	108	45,0	25 17	2		49,8	25 17	5
Width of teeth B1 11,1	25	160,2	152,00	108	45	25 17	1	108	45,0	25 17	2		49,8	25 17	5
Width of teeth b1 10,8	27	172,3	164,09	108	45	25 17	1	108	45,0	25 17	2	144	51,0	30 20	4
Width of teeth B2 30,3	30	190,4	182,25	108	45	25 17	1	108	45,0	25 17	2	143	51,0	30 20	4
Width of teeth B3 49,8	38	238,9	230,39	124	45	25 17	1	140	51,0	30 20	2	152	51,0	30 20	4
	*57	355,9	345,81	124	45	25 17	6	160	51,0	30 20	7	159	51,0	30 20	8
	*76	471,1	460,99	124	45	25 17	6	160	51,0	30 20	7				
16B-1, - 2 et - 3 25,4 x 17,02 mm	13	117,7	106,12	73	38	16 15	1								
	15	133,7	122,17	76	38	16 15	1		47,7	20 12	3				
	17	149,8	138,22	90	32	20 12	1		47,7	25 17	3		79,6	25 17	5
	19	165,9	154,33	108	45	25 17	1		47,7	25 17	3		79,6	30 30	5
	21	182	170,43	108	44	25 17	1	143	51,0	30 20	2		79,6	30 30	5
	23	198,1	186,53	108	44	25 17	1	159	51,0	30 20	2	159	89,0	35 35	4
Width of teeth B1 16,2	25	214,2	202,66	108	44	25 17	1	175	51,0	30 20	2	175	89,0	35 35	4
Width of teeth b1 15,8	27	230,4	218,79	108	44	25 17	1	175	51,0	30 20	2	175	89,0	35 35	4
Width of teeth B2 47,7	30	254,6	243,00	159	51	30 20	1	175	76,0	30 30	2	175	89,0	35 35	4
Width of teeth B3 79,6	*38	319,2	307,59	159	51	30 20	6	146	76,0	30 30	7	178	89,0	35 35	8
	*57	474,9	461,07	159	51	30 20	6	178	89,0	35 35	7	216	102,0	40 40	8
	*76	628,4	614,65	159	51	30 20	6								
20B-1 31,75 x 19,56 mm	13	147,5	132,65	90	32	20 12	1								
	15	167,7	152,72	108	44	25 17	1								
	17	187,8	172,78	108	44	25 17	1								
	19	207,9	192,91	108	44	25 17	1								
Width of teeth B1 18,5	21	228	213,04	108	44	25 17	1								
Width of teeth b1 18,2	23	248,2	233,17	108	44	25 17	1								
Width of teeth B2 54,6	25	268,4	253,33	108	44	25 17	1								
Width of teeth B3 91,0	27	288,5	273,48	150	51	30 20	1								
	30	318,7	303,75	150	51	30 20	1								

* Cast iron wheels

Note: References for sprockets with taper bushes = ref. for standard sprockets + suffix “C”

Taper Bushes





References	D2																				L	D1
10 08	11	12	14	16	18	19	20	22	24	25*											20,1	35
11 08	11	12	14	16	18	19	20	22	24	25	28*										22,3	38
12 10	12	14	16	18	19	20	22	24	25	28	30	32*									25,4	47
12 15	12	14	16	18	19	20	22	24	25	28	30	32*									38,1	47
16 10	12	14	16	18	19	20	22	24	25	28	30	32	35	38	40	42*					25,4	57
16 15	12	14	16	18	19	20	22	24	25	28	30	32	35	38	40	42*					38,1	57
20 12	16	18	19	20	22	24	25	26	28	30	32	35	38	40	42	45	48	50			38,1	70
25 17	18	19	20	22	24	25	26	28	30	32	35	38	40	42	45	48	50	55	60	65	44,5	85
30 20	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75					50,8	108
30 30	45	48	50	55	60	65	70	75													76,2	108
35 35	45	48	50	55	60	65	70	75	80	85	90										88,9	127
40 40	55	60	65	70	75	80	85	90	95	100											101,6	146
50 50	70	75	80	85	90	95	100	105	110	115	120	125									125,0	178

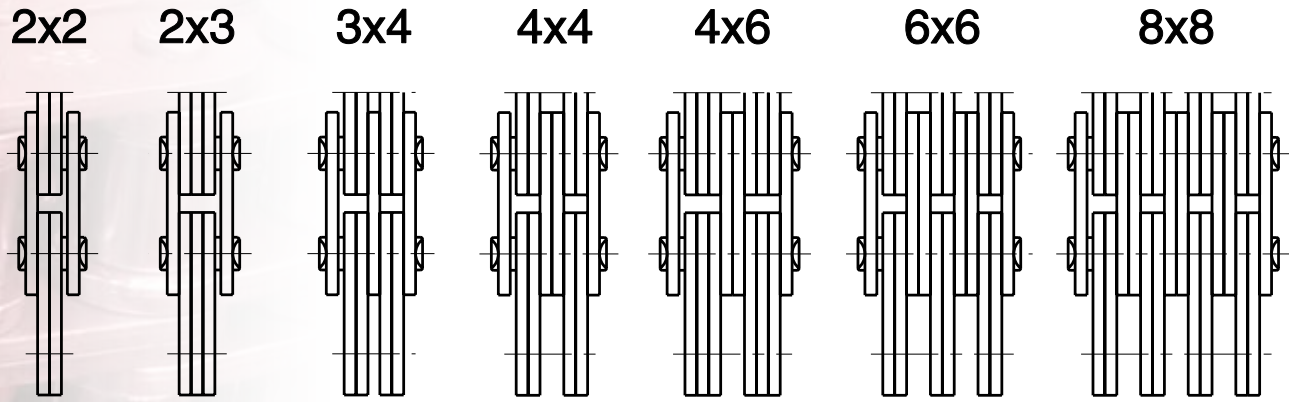
* REDUCED KEY WAY

Manufacturing of special split sprockets.
All dimensions on request.
Please consult us

LEAF CHAINS

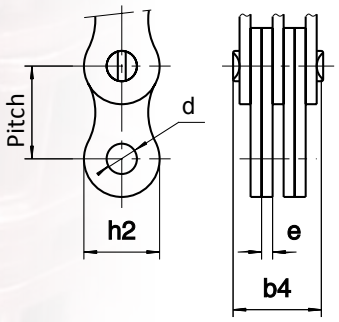
sedis

The Lacings Generally Used

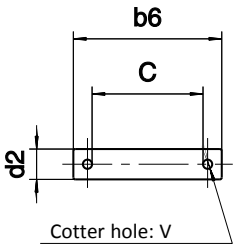


OTHER LACINGS ARE ALSO AVAILABLE. CONSULT US

AL Series Chains - Plates issued from American standard roller chains



Clevis Pin



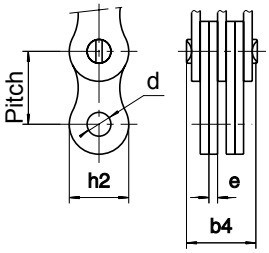
Dimensions in mm

References	Nominal pitch	Lacing	b4	h2	d	e	UTS	Mass per meter	Clevise pin			
							SEDIS		C	b6	d2	V
	mm		max.	max.	min.	max.	kN	kg	min.	max.	max.	
AL422	12,7	2 x 2	8,2	11,5	3,99	1,55	16,5	0,35	10,0	17,9	3,98	1,8
AL444		4 x 4	14,6				33,0	0,70	16,2	24,1		
AL466		6 x 6	21,0				49,5	1,01	22,6	30,5		
AL522	15,875	2 x 2	10,7	12,1	5,10	2,05	27,0	0,65	12,0	21,1	5,09	1,8
AL544		4 x 4	19,1				54,0	1,25	21,5	29,5		
AL566		6 x 6	27,4				81,0	1,85	29,7	37,9		
AL588		8 x 8	36,7				108,0	2,60	37,9	46,0		
AL622	19,05	2 x 2	12,3	14,3	5,97	2,40	38,0	0,76	15,0	23,5	5,96	1,8
AL644		4 x 4	22,3				80,0	1,50	25,0	33,5		
AL666		6 x 6	32,4				120,0	2,25	34,6	43,1		
AL688		8 x 8	41,7				160,0	2,93	44,9	53,4		
AL822	25,4	2 x 2	17,0	20,8	7,97	3,20	65,7	1,50	20,0	30,2	7,94	2,0
AL844		4 x 4	30,0				131,4	2,80	33,3	43,5		
AL866		6 x 6	43,0				197,1	4,10	46,5	56,7		
AL888		8 x 8	55,0				262,8	5,40	--	--	--	--
AL1022	31,75	2 x 2	20,8	25,4	9,57	4,10	88,5	2,52	25,0	36,5	9,53	2,5
AL1044		4 x 4	37,4				168,6	4,95	41,5	53,0		
AL1066		6 x 6	54,0				252,8	7,35	58,0	69,8		
AL1222	38,1	2 x 2	24,4	30,0	11,12	4,90	127,0	3,50	30,0	44,5	11,10	3,2
AL1244		4 x 4	44,2				254,0	6,90	48,5	64,0		
AL1266		6 x 6	64,0				381,0	10,30	68,9	83,5		
AL1422	44,45	2 x 2	28,5	35,7	12,75	5,80	172,4	4,65	35,5	50,5	12,70	3,2
AL1444		4 x 4	51,9				344,8	9,45	58,5	74,0		
AL1466		6 x 6	75,1				517,2	14,10	81,6	97,0		
AL1622	50,8	2 x 2	32,0	40,5	14,32	6,55	226,8	5,70	40,0	56,0	14,30	3,2
AL1644		4 x 4	58,5				453,6	11,70	66,5	82,5		
AL1666		6 x 6	84,6				680,4	17,40	92,4	108,5		

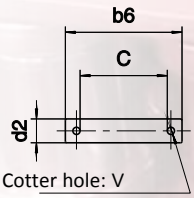
All our Leaf chains can be supplied with an anti-corrosion treatment or a treatment against cold usage. Please consult us

J (LL) SERIES CHAINS - Plates issued from European standard roller chains (B) comply with ISO 4347 international standard

BEST RATIO MASS/UTS



CLEVIS PIN



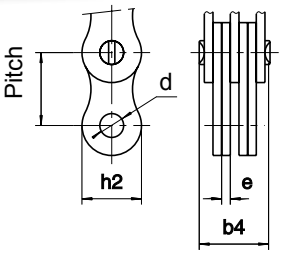
Dimensions en mm

References		DELTA TITANIUM 2	Nominal pitch	Lacing	b4	h2	d	e	UTS		Mass per meter	Clevise Pin			
									ISO4347	SEDIS		C	b6	d2	V
ISO 4347	SEDIS		mm		max.	max.	min.	max.	kN		kg	min.	max.	max.	
	J34	x	9,525	2 x 2	6,3	8,3	3,30	1,30	.	9,0	0,26	.	.	.	.
	J38	x		4 x 4	11,6	8,3	3,30	1,30	.	17,6	0,50	.	.	.	.
	JL44	x	12,7	2 x 2	6,9	8,3	3,66	0,93	.	8,0	0,17	6,1	13,4	3,65	1,2
LL08-22	J44	x		2 x 2	8,1	11,5	4,46	1,34	18,0	18,2	0,34	8,6	16,5	4,45	1,6
LL08-44	J48	x		4 x 4	13,0	11,5	4,46	1,34	36,0	36,4	0,66	13,9	21,8	4,45	1,6
LL08-66	J412	x		6 x 6	18,9	11,5	4,46	1,34	54,0	54,6	1,00	19,3	27,3	4,45	1,6
LL10-22	J54	x	15,875	2 x 2	9,3	12,1	5,10	1,65	22,0	23,0	0,44	10,5	18,4	5,08	1,6
LL10-44	J58	x		4 x 4	16,4				44,0	46,0	0,85	17,2	25,5		
LL10-66	J512	x		6 x 6	22,2				66,0	69,0	1,30	23,9	32,0		
	J516	x		8 x 8	29,1					92,0	1,73	30,5	38,7		
	J524	x		12 x 12	42,8					138,0	2,50	43,8	52,0		
LL12-22	J64	x	19,05	2 x 2	10,2	14,3	5,74	1,85	29,0	31,0	0,60	11,7	19,8	5,72	1,6
LL12-44	J68	x		4 x 4	17,8				58,0	62,0	1,18	19,4	27,5		
	J611	x		6 x 5	23,7					78,0	1,60	25,0	33,1		
LL12-66	J612	x		6 x 6	25,5				87,0	94,0	1,74	27,2	35,3		
	J615	x		8 x 7	31,3					109,0	2,20	33,0	42,0		
	J617	x		9 x 8	35,0					125,0	2,50	37,0	46,0		
LL16-22	J84T	x	25,4	2 x 2	16,6	20,8	8,29	3,20	60,0	75,0	1,45	19,4	30,8	8,28	2,5
	J85T	x		3 x 2	20,0					75,0	1,79	22,3	34,0		
	J87T	x		3 x 4	26,4					110,0	2,51	29,7	40,4		
LL16-44	J88T	x		4 x 4	29,6				120,0	150,0	2,85	32,3	43,6		
LL16-66	J812T	x		6 x 6	42,4				180,0	210,0	3,49	45,0	56,5		
	J816T	x		8 x 8	55,2					300,0	5,70	61,7	75,0		
LL20-22	J104T	x	31,75	2 x 2	19,1	25,4	10,21	3,70	95,0	105,0	2,10	22,5	35,7	10,18	3,2
LL20-44	J108T	x		4 x 4	34,1				190,0	210,0	4,12	37,3	50,6		
LL20-66	J1012T	x		6 x 6	48,9				285,0	315,0	6,19	52,1	65,5		
	J1016T	x		8 x 8	64,0					420,0	8,25	68,0	81,4		
LL24-22	J1204T	x	38,1	2 x 2	25,8	32,3	14,65	5,20	170,0	180,0	4,00	31,6	47,2	14,62	3,2
LL24-44	J1208T	x		4 x 4	46,8				340,0	360,0	8,00	52,4	68,2		
LL24-66	J1212T	x		6 x 6	67,5				510,0	540,0	12,00	73,0	88,8		
	J1216T	x		8 x 8	88,1					720,0	16,00	94,0	109,5		
LL28-22	J1404T	x	44,45	2 x 2	31,7	33,5	15,92	6,55	200,0	235,0	6,00	39,7	56,8	15,89	4,0
LL28-44	J1408T	x		4 x 4	58,0				400,0	470,0	12,00	66,0	83,2		
LL28-66	J1412T	x		6 x 6	84,2				600,0	705,0	17,00	92,0	109,2		
	J1416T	x		8 x 8	110,3					940,0	23,00	118,2	135,5		
LL32-22	J1604T	x	50,8	2 x 2	30,7	42,3	17,83	6,20	260,0	270,0	6,50	38,2	56,2	17,80	4,0
LL32-44	J1608T	x		4 x 4	55,6				520,0	540,0	13,00	63,0	81,1		
LL32-66	J1612T	x		6 x 6	80,5				780,0	810,0	19,00	87,8	106,0		
	J1616T	x		8 x 8	105,2					1 080,0	25,00	112,5	130,8		
LL40-22	J2004T	x	63,65	2 x 2	39,8	52,8	22,95	8,20	360,0	400,0	10,00	49,7	72,0	22,88	5,0
LL40-44	J2008T	x		4 x 4	72,8				720,0	800,0	19,50	82,6	105,0		
LL40-66	J2012T	x		6 x 6	105,6				1 080,0	1 200,0	29,00	115,4	138,0		
	J2016T	x		8 x 8	138,4					1 600,0	39,00	148,2	171,0		
LL48-22	J2404T		76,2	2 x 2	48,7	64,2	29,25	10,20	560,0	600,0	15,00	60,6	86,0	29,22	6,3
LL48-44	J2408T			4 x 4	89,7				1 120,0	1 200,0	29,50	101,8	127,5		
LL48-66	J2412T			6 x 6	130,5				1 680,0	1 800,0	44,00	144,8	170,5		
Heavy series															
(1)	5611-18		15,875	4 x 4	16,8	13,7	5,10	1,65		55,0	1,05	17,2	25,5	5,08	1,6
(2)	5611-14	5611-16		6 x 6	22,6					82,4	1,70	23,9	32,0		

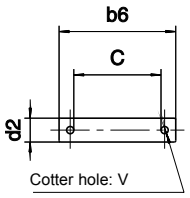
(1) 5611-18 Heavy series of J58 (LL10-44) chain

(2) 5611-14 Heavy series of J512 (LL10-66) chain.

LH (BL) Series Chains - comply with ISO 4347 international standards



Clevis Pin



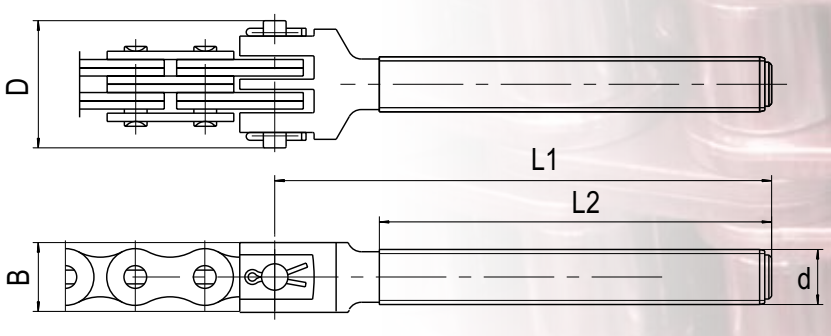
Dimensions in mm

References											Clevise Pin			
ASME B29.8	SEDIS & ISO 4347	DELTA TITANIUM 2	Nominal pitch	Lacing	b4	h2	d	e	UTS		Mass per meter	C	b6	d2	V
									ISO 4347	SEDIS					
			mm		max.	max.	min.	max.	kN		kg	min.	max.	max.	
BL 422	LH08-22	x		2 x 2	10,90				22,2	27,0	0,58	13	21,2		
BL 423	LH08-23	x		2 x 3	12,90				22,2	27,0	0,71	18	26,1		
BL 434	LH08-34	x		3 x 4	17,30				33,4	40,5	1,00	20	26,1		
BL 444	LH08-44	x	12,7	4 x 4	19,40	11,5	5,10	2,05	44,5	54,0	1,14	22	30,5	5,08	1,6
BL 446	LH08-46	x		4 x 6	23,10				44,5	54,0	1,42	26	33,1		
BL 466	LH08-66	x		6 x 6	27,30				66,7	81,0	1,70	30	38,5		
BL 488	LH08-88	x		8 x 8	36,25				.	108,0	2,30	39	47,5		
BL 522	LH10-22	x		2 x 2	12,70				33,4	42,7	0,85	18	26,1		
BL 523	LH10-23	x		2 x 3	15,10				33,4	43,0	1,05	18	26,1		
BL 534	LH10-34	x		3 x 4	20,00				48,9	60,0	1,45	25	33,1		
BL 544	LH10-44	x	15,875	4 x 4	22,30	14,5	5,99	2,40	66,7	80,0	1,70	25	33,1	5,95	1,6
BL 546	LH10-46	x		4 x 6	26,80				66,7	80,0	2,08	30	38,1		
BL 566	LH10-66	x		6 x 6	32,20				100,1	120,0	2,50	35	44,2		
BL 588	LH10-88	x		8 x 8	42,25				.	170,8	3,40	45	53,5		
BL 622	LH12-22	x		2 x 2	17,20				48,9	65,0	1,42	22	31,2		
BL 623	LH12-23	x		2 x 3	20,50				48,9	65,0	1,78	26	35,2		
BL 634	LH12-34	x		3 x 4	27,10				75,6	97,5	2,35	30	39,2		
BL 644	LH12-44	x	19,05	4 x 4	30,50	18,1	7,97	3,30	97,9	130,0	2,80	35	44,2	7,92	2,0
BL 646	LH12-46	x		4 x 6	37,25				97,9	130,0	3,40	45	54,5		
BL 666	LH12-66	x		6 x 6	44,00				146,8	195,0	4,00	48	57,5		
BL 688	LH12-88	x		8 x 8	57,25				.	260,0	5,70	65	74,5		
BL 822	LH16-22	x		2 x 2	21,40				84,5	105,0	2,17	25	35,3		
BL 823	LH16-23	x		2 x 3	25,50				84,5	105,0	2,71	30	40,2		
BL 834	LH16-34	x		3 x 4	33,80				129,0	157,0	3,78	35	45,2		
BL 844	LH16-44	x	25,4	4 x 4	37,90	24,0	9,56	4,10	169,0	210,0	4,35	42	52,5	9,53	2,5
BL 846	LH16-46	x		4 x 6	46,20				169,0	210,0	5,47	48	58,4		
BL 866	LH16-66	x		6 x 6	54,50				253,6	310,0	6,55	55	65,5		
BL 888	LH16-88	x		8 x 8	71,00				.	410,0	8,70	75	85,6		
BL 1022	LH20-22			2 x 2	24,40				115,6	140,0	3,48	30	44,3		
BL 1023	LH20-23			2 x 3	29,40				115,6	140,0	4,35	35	49,2		
BL 1034	LH20-34			3 x 4	39,20				182,4	230,0	6,03	45	59,2		
BL 1044	LH20-44		31,75	4 x 4	44,25	29,6	11,12	4,90	231,3	280,0	6,90	48	62,5	11,10	3,2
BL 1046	LH20-46			4 x 6	54,00				231,3	280,0	8,60	65	79,3		
BL 1066	LH20-66			6 x 6	63,80				347,0	420,0	10,30	70	84,5		
BL 1088	LH20-88			8 x 8	83,50				.	560,0	13,70	90	104,7		
BL 1222	LH24-22			2 x 2	28,40				151,2	175,0	4,40	35	50,3		
BL 1223	LH24-23			2 x 3	34,30				151,2	175,0	5,50	42	57,2		
BL 1234	LH24-34			3 x 4	45,90				244,6	300,0	7,70	55	70,3		
BL 1244	LH24-44		38,1	4 x 4	51,80	34,6	12,76	5,80	302,5	355,0	8,80	60	75,3	12,70	3,2
BL 1246	LH24-46			4 x 6	63,40				302,5	355,0	10,80	75	90,3		
BL 1266	LH24-66			6 x 6	75,10				453,7	530,0	13,00	85	100,5		
BL 1288	LH24-88			8 x 8	98,30				.	710,0	17,40	110	125,5		
BL 1422	LH28-22			2 x 2	32,00				191,3	220,0	6,30	42	58,2		
BL 1423	LH28-23			2 x 3	38,70				191,3	220,0	7,85	48	64,3		
BL 1434	LH28-34			3 x 4	51,80				315,8	375,0	10,80	60	76,3		
BL 1444	LH28-44		44,45	4 x 4	58,50	42,0	14,33	6,55	382,6	440,0	12,60	70	86,4	14,27	3,2
BL 1446	LH28-46			4 x 6	71,50				382,6	440,0	15,70	85	101,5		
BL 1466	LH28-66			6 x 6	84,60				578,3	685,0	18,80	95	111,5		
BL 1488	LH28-88			8 x 8	111,00				.	910,0	25,10	120	136,5		
BL 1622	LH32-22			2 x 2	36,20				289,1	320,0	8,30	45	63,3		
BL 1623	LH32-23			2 x 3	43,80				289,1	320,0	10,40	55	73,2		
BL 1634	LH32-34			3 x 4	58,80				440,4	480,0	14,60	70	88,3		
BL 1644	LH32-44		50,8	4 x 4	66,50	48,3	17,52	7,50	578,3	640,0	16,70	80	98,4	17,46	4,0
BL 1646	LH32-46			4 x 6	81,30				578,3	640,0	20,80	95	113,5		
BL 1666	LH32-66			6 x 6	96,50				867,4	960,0	25,00	110	128,7		
BL 1688	LH32-88			8 x 8	126,40				.	1 280,0	33,30	140	159,0		

CLEVISES

Our range of clevises is adapted to fit with the most popular inner and outer link plates lacings for the AL, J/LL and LH/BL chains.

Standard Clevises as described hereafter are, by default, of **female type** which connect to the chain with a **clevis pin**. On demand SEDIS can deliver clevises of **male type** which connect to the chain with a **connecting link.**



Dimensions in mm

CLEVISES FOR J (LL) CHAINS

References	Corresponding chain		Lacing	d	D	B	L1	L2
	ISO 4347	SEDIS						
C48R160-120	LL08-44	J48	4 x 4	M14	21,8	20	160	120
C412R172-140	LL08-66	J412	6 x 6	M14	27,3	25	172	140
C54R82-50	LL10-22	J54	2 x 2	M14	18,4	20	82	50
C54R172-140	LL10-22	J54	2 x 2	M14	18,4	20	172	140
C58R117-85	LL10-44	J58	4 x 4	M14	25,5	20	117	85
C58R172-140	LL10-44	J58	4 x 4	M14	25,5	20	172	140
C512R82-50	LL10-66	J512	6 x 6	M14	32,0	25	82	50
C512R105-70	LL10-66	J512	6 x 6	M14	32,0	25	105	70
C512R112-80	LL10-66	J512	6 x 6	M14	32,0	25	112	80
C512R172-140	LL10-66	J512	6 x 6	M14	32,0	25	172	140
C516F172-140		J516	8 x 8	M16	38,7	25	172	140
C524F172-140		J524	12 x 12	M24	52,0	32	172	140
C68R160-130	LL12-44	J68	4 x 4	M14	27,5	25	160	130
C612R75-40	LL12-66	J612	6 x 6	M16	35,3	30	75	40
C612R110-75	LL12-66	J612	6 x 6	M16	35,3	30	110	75
C612R120-80	LL12-66	J612	6 x 6	M16	35,3	30	120	80
C612R135-105	LL12-66	J612	6 x 6	M16	35,3	30	135	105
C612R160-125	LL12-66	J612	6 x 6	M16	35,3	30	160	125
C612R190-160	LL12-66	J612	6 x 6	M16	35,3	30	190	160
C87F178-140		J87	3 x 4	M20	40,4	24	178	140
C88F133-90	LL16-44	J88	4 x 4	M20	43,6	25	133	90
C88F175-140	LL16-44	J88	4 x 4	M20	43,6	25	175	140
C88F250-110	LL16-44	J88	4 x 4	M20	43,6	25	250	110
C88F345-300	LL16-44	J88	4 x 4	M20	43,6	25	345	300
C812F172-135	LL16-66	J812	6 x 6	M20	56,5	25	172	135
C812F222-185	LL16-66	J812	6 x 6	M20	56,5	25	222	185
C812F287-250	LL16-66	J812	6 x 6	M20	56,5	25	287	250
C816F235-190		J816	8 x 8	M20	75,0	30	235	190
C108F194-135	LL20-44	J108	4 x 4	M24	50,6	32	194	135
C108F239-180	LL20-44	J108	4 x 4	M24	50,6	32	239	180
C1012F165-115	LL20-66	J1012	6 x 6	M24	65,5	40	165	115
C1012F250-200	LL20-66	J1012	6 x 6	M24	65,5	40	250	200
C1012F323-205	LL20-66	J1012	6 x 6	M24	65,5	40	323	205
C1012F430-165	LL20-66	J1012	6 x 6	M24	65,5	40	430	165
C1016F250-200		J1016	8 x 8	M24	81,4	40	250	200
C1204F285-160	LL1222	J1204	2 x 2	M24	47,2	39	285	160
C1208F192-135	LL24-44	J1208	4 x 4	M30	68,2	39	192	135
C1212F285-160	LL24-66	J1212	6 x 6	M36	88,8	50	285	160
C1212F285-180	LL24-66	J1212	6 x 6	M36	88,8	50	285	180
C1212F305-180	LL24-66	J1212	6 x 6	M36	88,8	50	305	180
C1212F400-200	LL24-66	J1212	6 x 6	M36	88,8	50	400	200
C1608F255-180	LL32-44	J1608	4 x 4	M36	81,1	60	255	180
C1612F375-200	LL32-66	J1612	6 x 6	M36	106,0	60	375	200

CLEVISES FOR LH (BL) and AL CHAINS

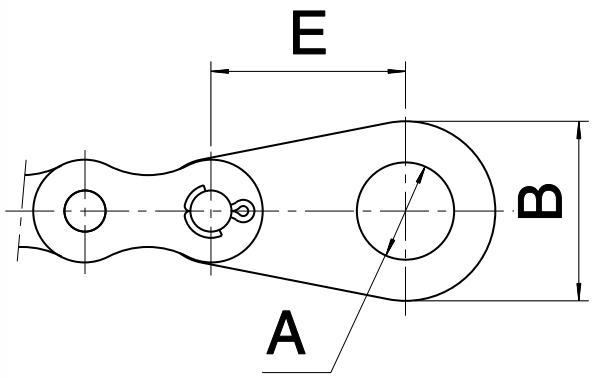
References	Corresponding chain		Lacing	d	D	B	L1	L2
	SEDIS							
C0823R110-75	LH0823	AL523	2 x 3	M12	26,1	20	110	75
C0834R95-70	LH0834	AL534	3 x 4	M12	26,1	20	95	70
C0844R110-75	LH0844	AL544	4 x 4	M14	33,1	25	110	75
C0846R110-75	LH0846	AL546	4 x 6	M14	33,1	25	110	75
C0866F172-140	LH0866	AL566	6 x 6	M16	38,5	35	172	140
C1023R172-140	LH1023	AL623	2 x 3	M14	26,1	20	172	140
C1034R172-140	LH1034	AL634	3 x 4	M14	33,5	30	172	140
C1044R172-140	LH1044	AL644	4 x 4	M14	33,5	30	172	140
C1044F130-95	LH1044	AL644	4 x 4	M14	33,5	20	130	95
C1046F110-80	LH1046	AL646	4 x 6	M16	38,1	20	110	80
C1046F172-140	LH1046	AL646	4 x 6	M16	38,1	20	172	140
C1066F110-60	LH1066	AL666	6 x 6	M20	44,2	25	110	60
C1066F172-140	LH1066	AL666	6 x 6	M20	44,2	25	172	140
C1066F240-130	LH1066	AL666	6 x 6	M20	44,2	25	240	130
C1088F160-120	LH1088	AL688	8 x 8	M20	53,8	25	160	120
C1223F178-140	LH1223	AL823	2 x 3	M20	35,2	25	178	140
C1234F178-140	LH1234	AL834	3 x 4	M20	39,1	25	178	140
C1244F93-55	LH1244	AL844	4 x 4	M20	44,2	25	93	55
C1244F178-140	LH1244	AL844	4 x 4	M20	44,2	25	178	140
C1246F178-130	LH1246	AL846	4 x 6	M20	54,1	25	178	130
C1246F178-140	LH1246	AL846	4 x 6	M20	54,1	25	178	140
C1246F270-230	LH1246	AL846	6 x 6	M20	54,1	25	270	230
C1266F128-80	LH1266	AL866	6 x 6	M20	57,5	25	128	80
C1266F178-140	LH1266	AL866	6 x 6	M20	57,5	25	178	140
C1266F188-135	LH1266	AL866	6 x 6	M20	57,5	25	188	135
C1622F160-120	LH1622	AL1022	2 x 2	M20	35,3	25	160	120
C1622F178-140	LH1622	AL1022	2 x 2	M20	35,3	25	178	140
C1623F160-120	LH1623	AL1023	2 x 3	M20	40,2	25	160	120
C1623F178-140	LH1623	AL1023	2 x 3	M20	40,2	25	178	140
C1634F160-120	LH1634	AL1034	3 x 4	M20	45,2	25	160	120
C1634F178-140	LH1634	AL1034	3 x 4	M20	45,2	25	178	140
C1644F118-80	LH1644	AL1044	4 x 4	M20	52,5	25	118	80
C1644F178-140	LH1644	AL1044	4 x 4	M20	52,5	25	178	140
C1646F160-120	LH1646	AL1046	4 x 6	M20	58,2	25	160	120
C1646F178-140	LH1646	AL1046	4 x 6	M20	58,2	25	178	140
C1666F160-120	LH1666	AL1066	6 x 6	M24	65,5	32	160	120
C2023F240-180	LH2023	AL1223	2 x 3	M24	49,2	32	240	180
C2044F178-140	LH2044	AL1244	4 x 4	M24	62,5	32	178	140
C2044F240-180	LH2044	AL1244	4 x 4	M24	62,5	32	240	180
C2046F200-120	LH2046	AL1246	4 x 6	M24	79,3	32	200	120
C2066F200-120	LH2066	AL1266	6 x 6	M30	84,5	32	200	120
C2066F285-160	LH2066	AL1266	6 x 6	M30	84,5	32	285	160
C2846F250-150	LH2846	AL1646	4 x 6	M36	101,5	45	250	150

- Clevises are also available in L1 and L2 lengths different from those in above table
- When ordering your chain, please make sure wether the clevise must be delivered with or without the axle

Accessories for Leaf Chains

End links

When the use of clevises is unsuitable, special **end links** are available.

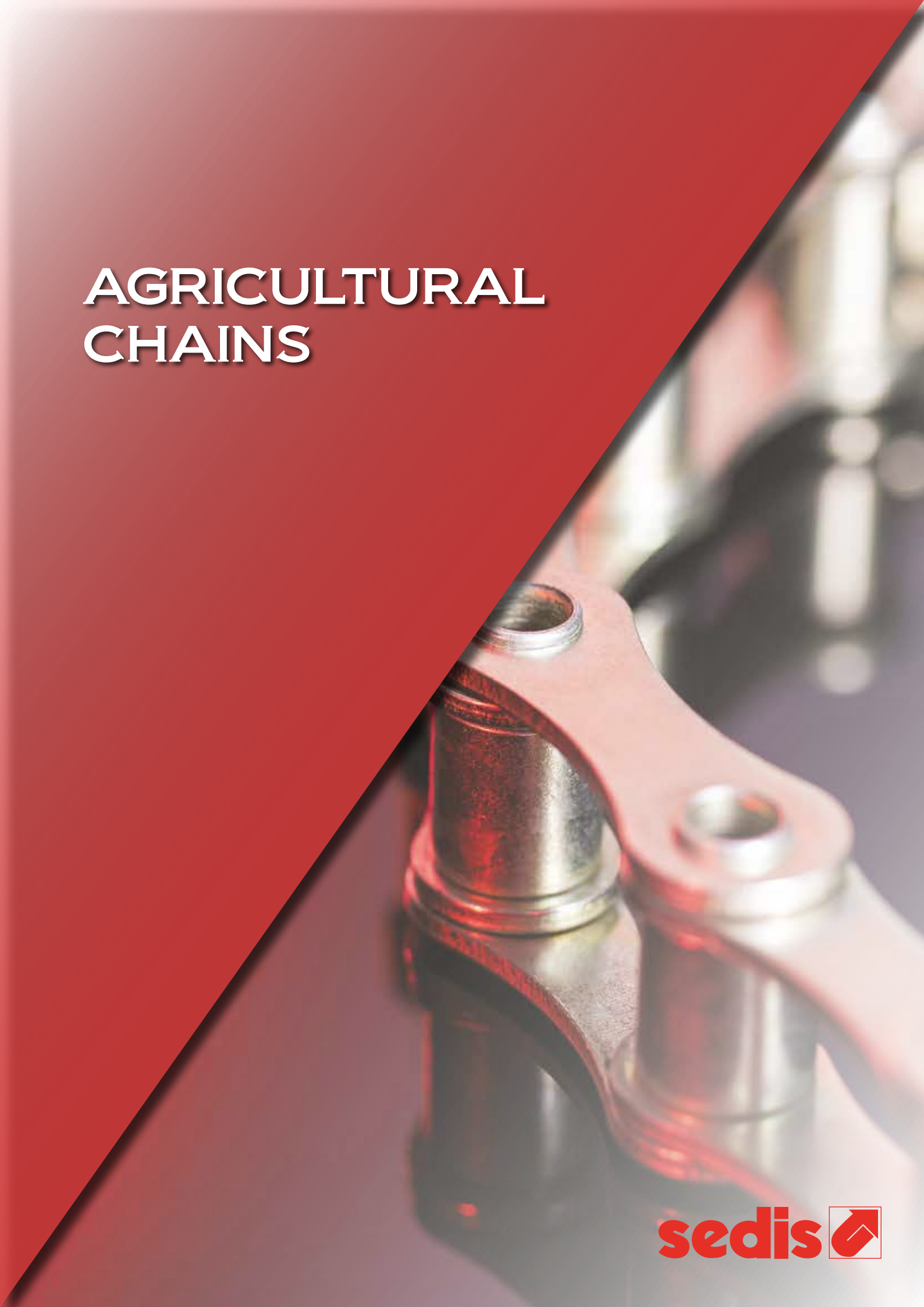


Dimensions in mm

Chain	A	B	E
AL5	16,0	28,0	31,8
AL6	14,1	25,0	35,0
LH08	8,3	18,0	20,0
	10,3	20,0	31,8
J4 (LL08)	8,2	16,0	18,0
	6,5	16,0	18,0
	10,3	22,0	30,0
	10,0	20,0	30,0
J5 (LL10)	10,3	22,0	25,0
	12,0	22,0	44,7
	12,0	22,0	25,0
	12,0	25,0	45,0
	16,0	28,2	31,8
J6 (LL12)	10,0	22,0	25,0
	10,1	20,0	25,0
	10,3	20,0	25,0
J8 (LL16)	15,0	30,5	40,0
	12,3	30,5 (flated)	40,0
	12,0	25,0	30,0
	16H7	35,0	38,1
	18,0	36,0	38,5
	19,1	36,0	39,0
	24,0	50,0	65,0
	25,0	44,0	50,0
	25,0	44,0	51,0
	25,2	44,0	50,8
J10 (LL20)	20,0	40,0	60,0
	25,0	44,0	63,5
J12 (LL24)	24,0	52,3	65,0
	32,0	56,0	76,2
J16 (LL32)	36,0	60,0	70,0
	35,0	80,0	91,5
	35,0	80,0	75,0
	36H10	60,5	70,8

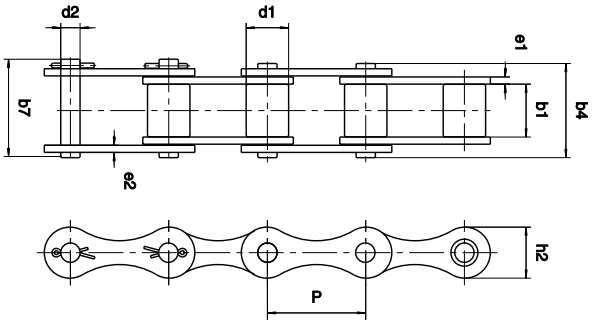
All dimensions possible. Please consult us.

AGRICULTURAL CHAINS



sedis

ROLLER CHAIN ISO 487 S TYPE CHAINS - comply with ISO 487 international standard



- Chains S55 and S62 are fitted with large rollers d1 > h2
- These chains are zinc plated

Dimensions in mm

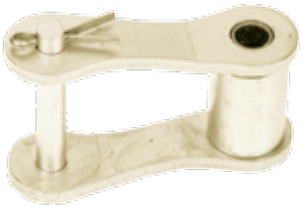
References	Pitch P	d1 max.	b1 min.	b4 max.	b7 max.	d2 max.	h2 max.	e1 max.	e2 max.	UTS min. kN	Mass per meter kg
S52	38,1	15,20	22,20	37,3	42,5	5,78	17,20	3,06	2,60	27	1,6
S45	41,4	15,20	22,20	37,3	42,5	5,78	17,20	3,06	2,60	23	1,5
S55	41,4	17,80	22,20	37,3	42,5	5,78	17,20	3,06	2,60	23	1,8
S55R	41,4	17,80	22,20	39,5	43,0	8,13	21,66	3,15	3,15	45	2,4
S62	41,9	19,00	25,40	40,5	45,7	5,78	17,20	3,06	2,60	29	2,2

CONNECTING LINKS

N°205: Outer link to rivet

N°208: Cottered link

CRANKED LINK



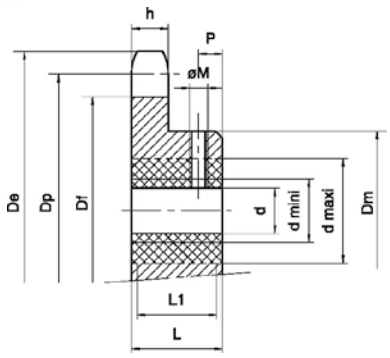
N°216: Single crank cottered link

STANDARD SPROCKETS FOR CHAINS S55

Shapes and profiles of teeth comply with NFE 23-105 standard

MANUFACTURING

- Material: cast iron (as-cast including teeth)
- On request, we can finish these parts according to dimensions L1, d, Φm and P given in the right hand columns of the table, and all pin grooves (table hereafter)
- Keyways also possible

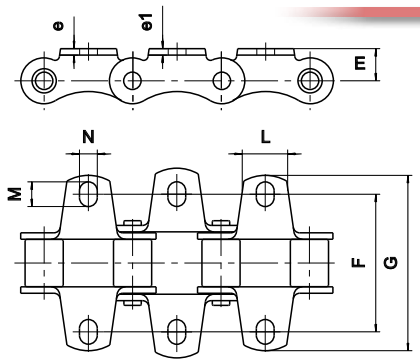


Dimensions in mm

References	Number of teeth	SPROCKETS in STOCK							FINISHING (on request)				
		Dp	De	Df	d max.	h	Dm	L	L1	d min.	d max.	ØM	p
9S55	9	122,0	133	105	20	18	85	50	47	25	50	M8	16
11S55	11	148,2	159	131	20	18	90	50	47	25	50	M8	16
13S55	13	174,5	186	157	20	18	100	56	53	25	60	M10	18
15S55	15	200,8	212	184	20	18	100	56	53	25	60	M10	18

Attachments for S-Type Chains

Fitted with K1 attachments

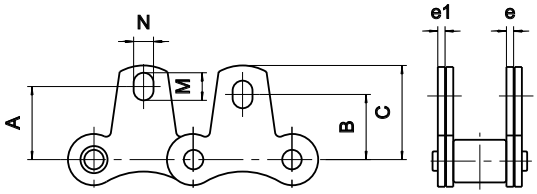


French standard: NFE 26-105

Dimensions in mm

References	E nom.	e nom.	e1 nom.	N min.	M min.	L nom.	F nom.	G max.
S52	11,7	2,5	2,5	8,3	9,9	20	59,0	77,5
S45					13,3		54,0	74,9
S55					13,3		54,0	74,9
S62					15,8		66,6	95,3
S55R	15,3	3,0	3,0	8,3	11,5	20	64,5	90,0

Fitted with M1 attachments

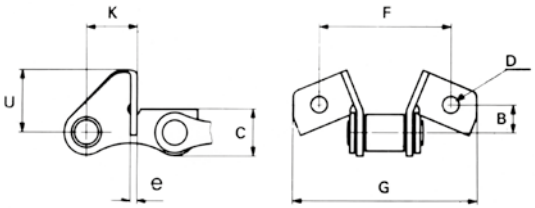


French standard: NFE 26-105

Dimensions in mm

References	A nom.	B nom.	C max.	e1 nom.	e nom.	M min.	N min.
S52	22,10	22,1	31,7	2,5	3	9,9	8,3
S45	19,80	19,8	30,2			13,3	
S55	19,80	19,8	30,2			13,3	
S62	24,60	24,6	38,6			15,8	
S55R	30,50	27,2	39,5	3,0	3	11,5	8,3

Fitted with SE attachments



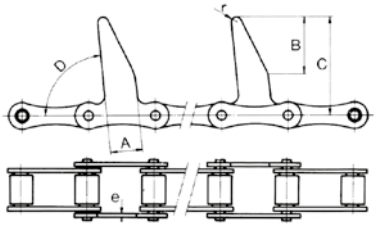
(on inner link only)

Dimensions in mm

References	B nom.	C nom.	e nom.	F nom.	G maxi	K nom.	U max.	D min.
S45 S55	13,6	17,0	2,5	61,7	89,8	24,0	28,0	9,0

Fitted with hooked plates

Use on loaders-collectors of bales of hay, straw, etc...

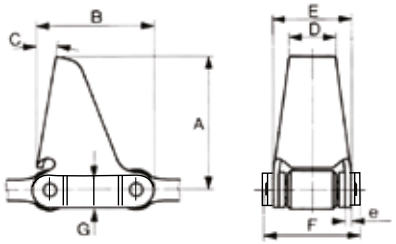


Dimensions in mm

References	A nom.	B nom.	C nom.	D	e nom.
S45	20	35	61,5	85°	2,5
S52	20	35	61,5	85°	2,5
S55	20	35	61,5	85°	3,0

Fitted with scooped plates and treated external scraping plates

Used for harvesting maize (corn)



(on outer link only)

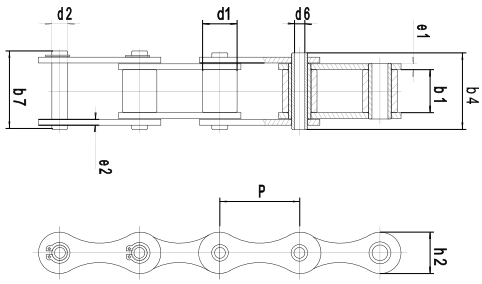
Dimensions in mm

References	A	B	C	D	E	F	G	e
S62	65,0	57,2	11°	23	38	49	17,2	3

A-TYPE "AGRICULTURAL" CHAINS (HOLLOW PIN CHAINS)

• These hollow pin chains allow the use of ϕ8 rods (ϕ10 mm for B255 chain)

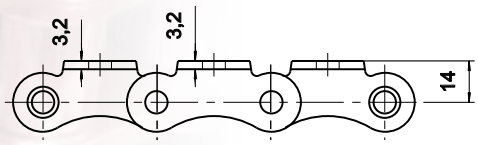
• Connecting links available:
- with spring clip or normal outer link for A55BC and A55 INOX
- with cottered connecting link or normal outer link for chains A155TS and B255

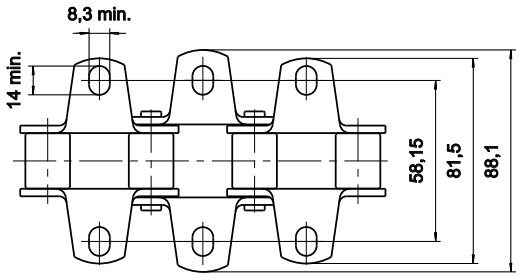


Dimensions in mm

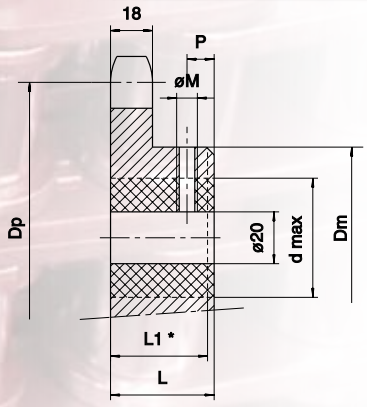
References	Pitch P	d1 max.	b1 min.	b4 max.	b7 max.	d2 max.	d6 min.	h2 max.	e1 max.	e2 max.	UTS kN	Mass per meter kg
A55BC	41,75	17,1	19,9	35,7	38,0	11,11	8,1	21,65	3,2	3,2	22,6	1,4
A155TS	41,75	17,1	19,9	35,7	42,5	11,11	8,1	25,26	3,2	3,2	49,0	2,0
B255	41,75	17,1	19,9	39,0	42,7	14,11	10,3	25,26	4,1	3,2	49,0	2,1
A55 INOX	41,75	17,1	19,9	35,0	36,7	11,11	8,2	20,50	3,2	3,2	17,6	1,3

K1 ATTACHMENTS FOR A55BC (ZINC BI-CHROMATE PLATED)





STANDARD SPROCKETS FOR CHAINS A55 AND A155TS



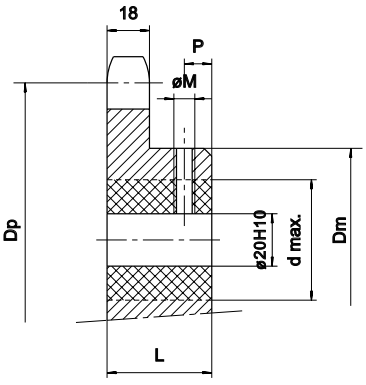
L1* = L - 3

MANUFACTURING

• These steel sprockets are proposed either in cut or trimmed version. Cast iron sprockets are unpolished, tooth included.

• Any machining of theses parts will be on demand and in relation to dimensions L1,d,M,P mentioned into the right column of the hereafter table

• Keyways also possible.



Dimensions in mm

CAST IRON SPROCKETS: as cast							
References	Number of teeth	Dp	L	Dm	d max.	P	ØM
9F55	9	122,0	50	85	50	16	M8
11F55	11	148,2	50	90	50	16	M8
13F55	13	174,5	56	100	60	18	M10
15F55	15	200,8	56	100	60	18	M10

Dimensions in mm

STEEL SPROCKETS: machined							
References	Number of teeth	Dp	L nom.	Dm max.	d max.	P nom.	ØM
9A55	9	122	50	80	50	12,5	M8
11A55	11	148,2	50	100	60	12,0	M8
13A55	13	174,5	63	130	85	16,0	M10
15A55	15	200,8	63	165	110	16,0	M10

CONVEYOR CHAINS

sedis

Solid bearing pin chains acording to ISO 1977

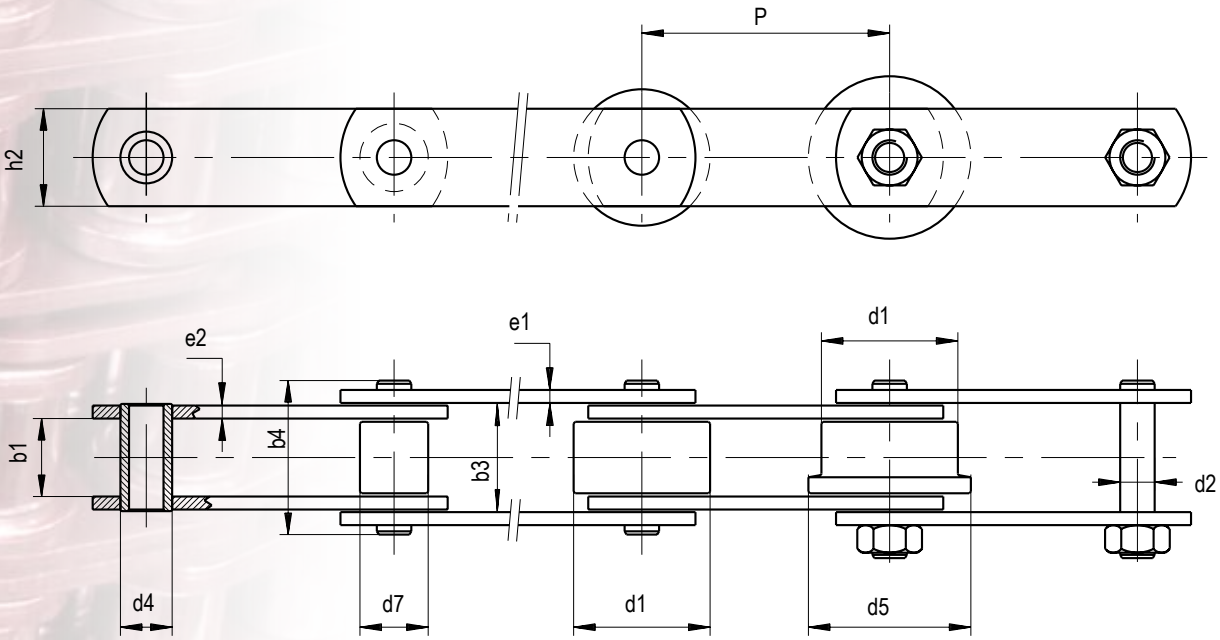
These chains are:

- bush chains (d4)
- small roller chains (d7)
- big roller chain (plain (d1) or flanged (d5))

The big rollers are heat treated. We can deliver other metallurgy treatments on demand (hardening, quenching, high frequency, etc...)

The connecting links available:

- screwed connecting link N° 209
- cottered connecting link N° 208



Dimensions in mm

Chain	Pitch (intermediate pitches on request)													b1	b3	h2	b4	e1	e2	d2	d4	d7	d1	d5	Rr (kN)
	40	50	63	80	100	125	160	200	250	315	400	500	630	min.	min.	ave.	max.	ave.	ave.	max.	max.	max.	max.	max.	min.
M 20	*													15,5	22,5	17	30,6	2,5	2,5	6	9	12,5	25	32	20
M 56			*											23,2	33,6	30	47,4	4,0	4,0	10	15	21,0	42	50	56
M 80														27,1	39,6	35	55,4	5,0	5,0	12	18	25,0	50	60	80
M 112				*										31,0	45,7	40	62,0	5,0	6,0	15	21	30,0	60	70	112
M 160					*									36,0	52,7	50	72,0	6,0	7,0	18	25	36,0	70	85	160
M 224						*								42,0	60,8	60	81,2	6,0	8,0	21	30	42,0	85	100	224
M 315							*							47,6	70,8	70	94,2	8,0	10,0	25	36	50,0	100	120	315
M 450														55,5	82,9	80	112,5	10,0	12,0	30	42	60,0	120	140	450
M 630														66,0	97,0	100	131,5	12,0	15,0	36	50	70,0	140	170	630
M 900								*						78,0	113,0	120	153,0	14,0	16,0	44	60	85,0	170	210	900

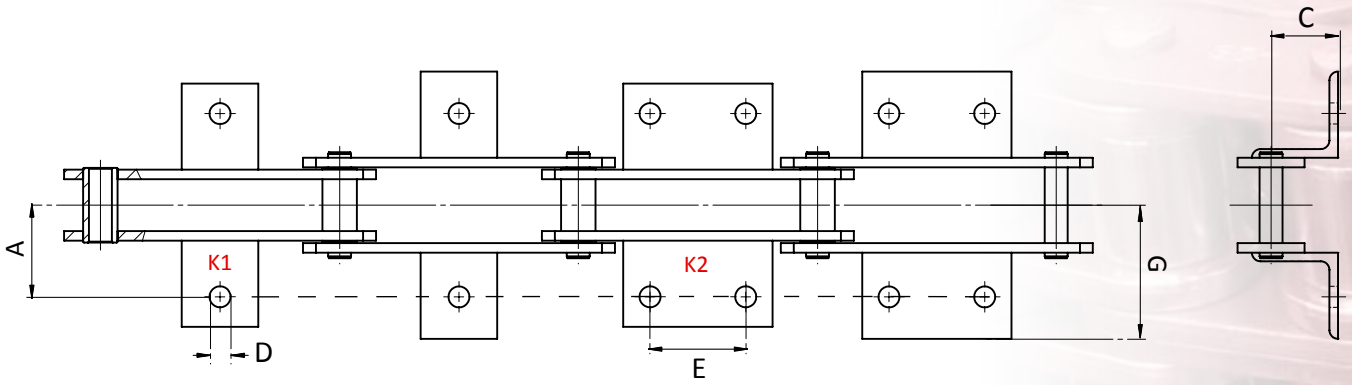
Possible pitches

Delivered under 3 weeks for bush and roller versions

* Only applicable to chains with bushes and rollers

These chains can be manufactured in DELTA® HR/DELTA® Titanium 2 /VERTE® versions. Please consult us.

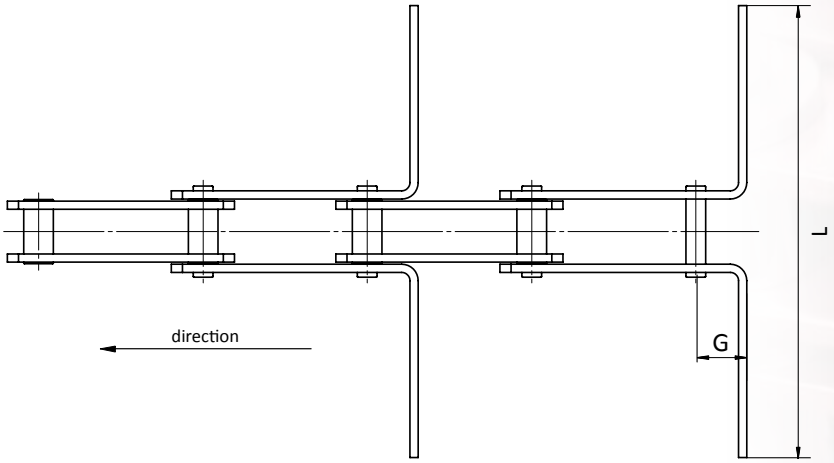
K attachments for ISO 1977 chains



Dimensions in mm

Chain	D	A	G	C	E depending on the pitch P										
					63	80	100	125	160	200	250	315	400	500	630
M20	6,6	27	43,5	16,5	20	35	50	50	50						
M56	11	44	63	30			25	50	85	85	85				
M80	11	48	71	35				50	85	125	125	125			
M112	14	55	80	40				35	65	100	100	100	100		
M160	14	62	95	45					50	85	125	125	125	145	
M224	18	70	110	55						65	125	190	190	190	190
M315	18	80	116	65						50	100	155	155	155	155
M450	18	90	135	75							85	155	240	240	240
M630	24	115	165	90								100	190	300	300
M900	30	140	200	110								100	190	300	300

Scraper ISO 1977 chains



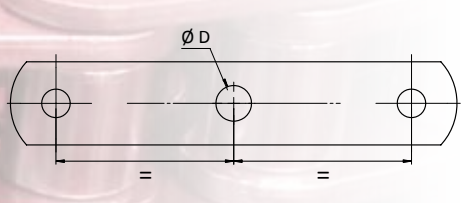
Dimensions in mm

Chain	G	L max.
MR56	26	330
MR80	28	350
MR112	30	430
MR160	35	480
MR224	39	580

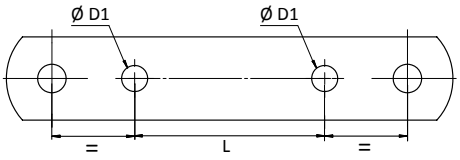
Plastic, welded or bended scraper types on request.

Plates with holes for ISO 1977 chain

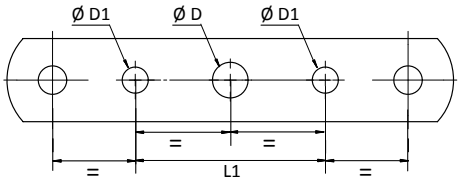
1 hole



2 holes



3 holes

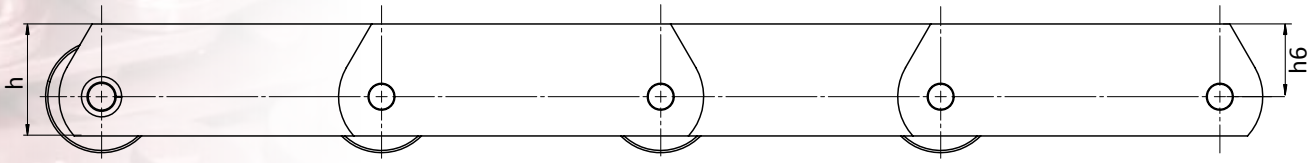


On external & internal plates

Dimensions in mm

Chain	D	D1	L	possible pitches		
				1 hole	2 holes	3 holes
M20	9			40 - 160		
M56	11	11	63	63 - 250	160 min	160 min
M80	15	11	80	80 - 315	200 min	200 min
M112	15	14	80	80 - 400	200 min	200 min
M160	21	14	100	100 - 500	250 min	250 min
M224	21	18	100	125 - 630	250 min	250 min
M315	25	18	125	160 - 630	315 min	315 min
M450	30	18	on request	200 - 630	315 min	315 min
M630	36	24	160	250 - 630	400 min	400 min
M900	45	30	200	250 - 630	500 min	500 min

Deep link ISO 1977 chains



Dimensions in mm

Chain	h	h6
MD20	25	16
MD56	45	30
MD80	50	32,5
MD112	60	40
MD160	70	45
MD224	90	60
MD315	100	65
MD450	120	80
MD630	140	90
MD900	180	120

These chains can be manufactured in DELTA® HR/DELTA® Titanium 2 /VERTE® versions.
Please consult us.

These chains can also be manufactured with pins and flat bushes.
See our 2013 Conveyor Chain Flyer

BS SOLID BEARING PIN CHAINS

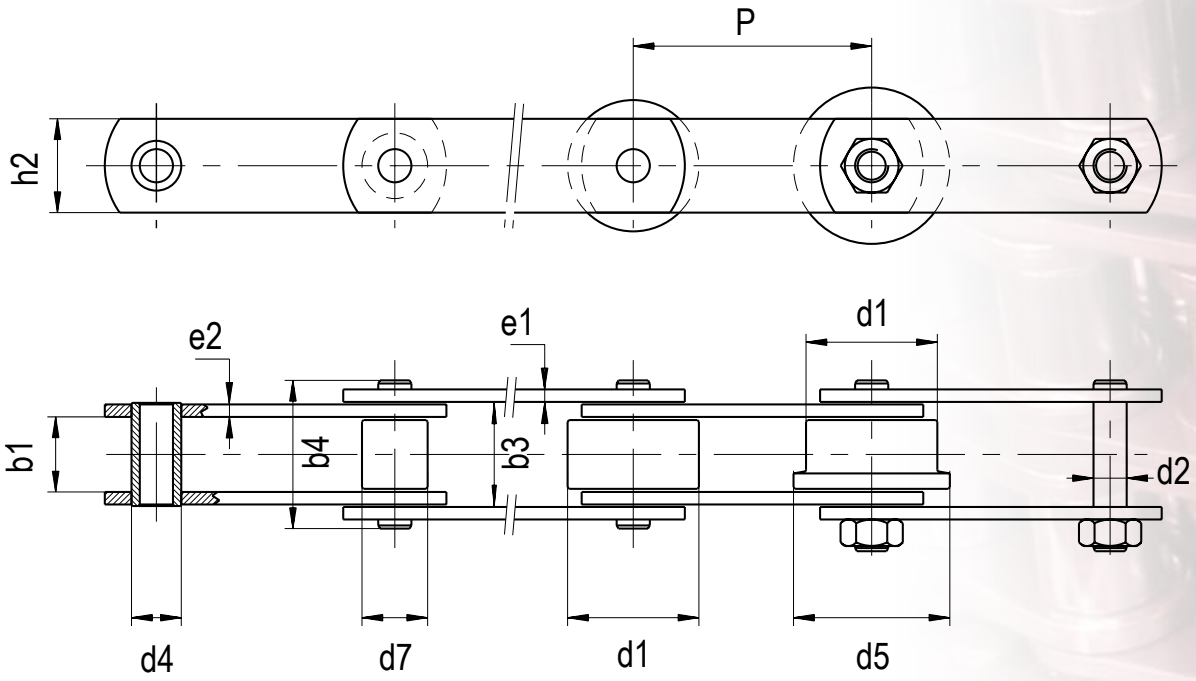
These chains are:

- bush chains (d4)
- small roller chains (d7)
- large roller chain (plain (d1) or flanged (d5))

The large rollers are heat treated.
We can deliver other metallurgy treatments on demand (hardening, quenching, high frequency, etc...)

The connecting links available:

- screwed connecting link N° 209
- cottered connecting link N° 208



Dimensions in mm

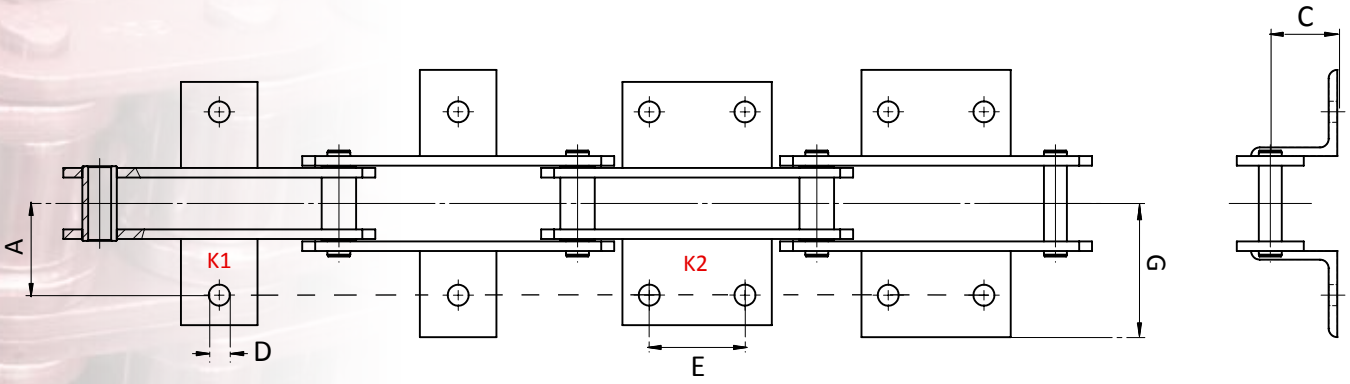
Chain		Pitch in mm (Intermediate pitches upon request)													b1	h2	b3	b4	e1	e2	d2	d4	d7	d1	d5	Rr
		40	50	60	75	100	125	135	150	160	175	200	250	315	min.	ave.	min.	max.	ave.	ave.	max.	max.	max.	max.	max.	(kN) min.
SEDIS BS Chains	M 22		■		■	■	■								16,0	20,0	23,0	34,0	3,0	3,0	8	12,0	18	25,0	32	20
	M 35		■	■	■	■	■	■	■	■	■	■			15,2	27,0	25,3	38,2	4,0	4,0	14	18,4	25	32,0	42	34
	M 68				*	■	■	■	■	■	■	■	■		19,0	40,0	31,6	48,5	5,0	5,0	19	23,7	32	48,0	60	68
	M 100				*	■	■	■	■	■	■	■			21,0	40,0	37,0	53,4	5,0	7,0	19	26,0	32	48,0	60	100
	M 140					*	■	■	■	■	■	■	203,2		26,0	50,0	46,0	63,0	5,0	8,0	24	32,0	48	70,0	90	140
	M 200					■	■	■	■	■	■	■	203,2		26,0	50,0	46,0	65,0	6,0	8,0	24	32,0	48	70,0	90	200
	M 270						*	■	■	■	■	■	■	254	38,0	60,0	58,0	81,0	8,0	8,0	28	38,0	55	90,0	115	270
	M 400								■	■	■	■	■	252,4	38,0	70,0	66,0	94,0	10,0	12,0	29,05	38,0	60	100,0	127	400

■ Possible pitches

* Only applicable to chains with bushes and rollers

THESE CHAINS CAN BE MANUFACTURED IN DELTA® HR/DELTA® TITANIUM 2 /VERTE® VERSIONS. PLEASE CONSULT US.

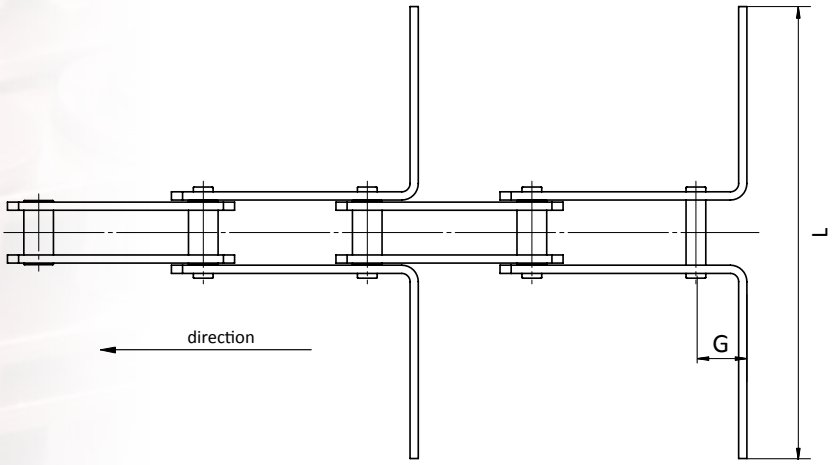
K ATTACHMENTS FOR BS CHAINS



Dimensions in mm

Chain	D	A	G	C	E depending on the pitch										
					75	100	125	127	150	152,4	160	200	203,2	250	254
M22	6,6	27	43,5	16,5	20	20	50								
M35	10,5	38,25	63,5	19	30	30	30	30	30						
M68	12,5	42,5	66,5	32			32	32	58	58		90		90	
M100	12,5	52,5	77	32			32	32	58	58		90			
M140	14,5	52,5	80	45					60	60	60	60	60		
M200	14,5	52,5	101	45					50	60	60	60	60		
M270	14,5	75	121	50					40	40	60	60	60	60	60
M400	17	87,5	137	55								55	55	55	55

SCRAPER BS CHAINS



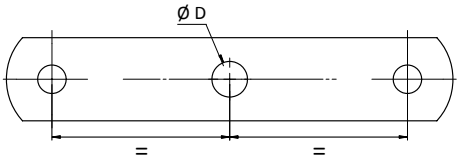
Dimensions in mm

Chain	G	L max.
MR22	18	140
MR35	30	250
MR68	30	480
MR100	37	
MR140	42	
MR200	42	
MR270	48	
MR400	45	

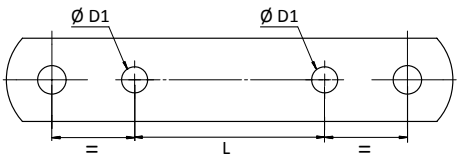
Plastic, welded or bended scraper types on demand.

Plates with holes for BS chains

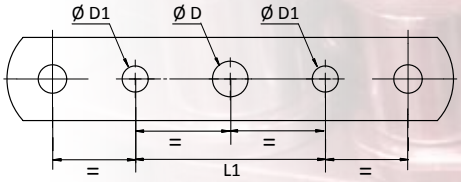
1 hole



2 holes



3 holes

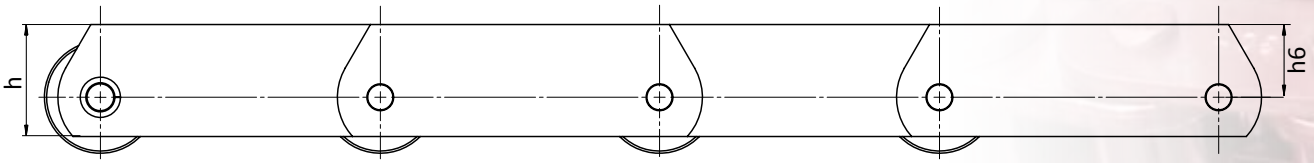


On outer and inner plates

Dimensions in mm

Chain	D	D1	L	L1	possible pitches		
					1 hole	2 holes	3 holes
M35	10,5	8,3	40		100, 125	100, 125	
M68	12,5	10,5	35, 60, 80	100	63 - 250	125, 150, 160	200, 250
M100	12,5	10,5	35, 60, 80	100	100 - 125	125, 150, 160	200, 250
M140	12,5	12,5	60	100	100 min	150 min	200 min
M200	12,5	12,5	60	100	100 min	150 min	200 min
M270	14,5	14,5	60	60	150 min	160 min	160 min
M400	17	17	100	100	160 min	200 min	200 min

Deep link BS chains



Dimensions in mm

Chain	h	h6
MD22	25	15
MD35	35	21,5
MD68	50	30
MD100	50	30
MD140	70	45
MD200	70	45
MD270	90	60
MD400	110	75

These chains can be manufactured in DELTA® HR/DELTA® Titanium 2 /VERTE® versions.
Please consult us.

Hollow Bearing pin chains

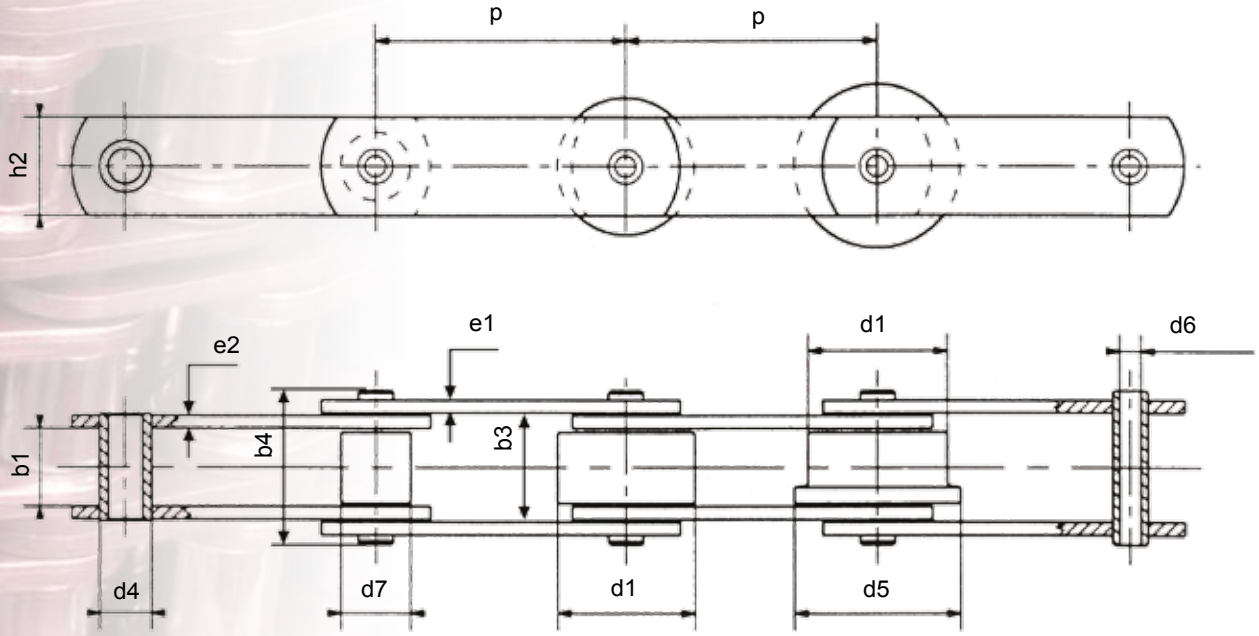
These chains are:

- bush chains (d4)
- small roller chains (d7)
- big roller chain (plain (d1) or flanged (d5))

The big rollers are heat treated. We can deliver other metallurgy treatments on demand (hardening, quenching, high frequency, etc...).

The connecting links available:

- outer riveting link N° 205
- cottered connecting link N° 208



Dimensions in mm

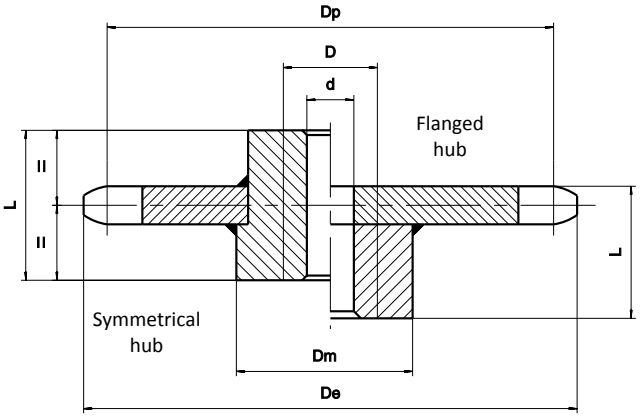
Chain		Pitch in mm (Intermediate pitches on request)														b1	h2	b3	b4	e1	e2	d6	d4	d7	d1	d5	Rr
		40	50	60	75	80	100	125	135	150	160	175	200	250	315	min.	ave.	min.	max.	ave.	ave.	min.	max.	max.	max.	max.	(kN)
ISO	MC56					■	■	■			■		■	■		23,2	35,0	33,7	46,6	4,0	5,0	10,2	21,0	_	50,0	60	56
	MC112	■	■	■	■	■	■	■	■	■	■	■	■	■	■	30,0	50,0	45,7	64,8	5,0	6,0	14,3	30,0	_	70,0	88	112
SEDIS BS chains	MC27	■	■	■	■	■	■	■	■	■	■	■	■	■	■	15,2	27,0	25,3	37,1	4,0	4,0	10,2	18,4	25	32,0	42	34
	MC55	■	■	■	■	■	■	■	■	■	■	■	■	■	■	19,0	40,0	31,6	48,5	5,0	5,0	13,3	23,7	32	48,0	60	54
	MC110	■	■	■	■	■	■	■	■	■	■	■	■	■	■	26,0	50,0	44,0	62,0	5,0	8,0	20,4	32,0	48	70,0	90	110

Note: Attachments, deep link side plates and drilled side plates are available only for Special SEDIS BS Standard chains.

■ Possible pitches

These chains can be manufactured in DELTA® HR/DELTA® Titanium 2 /VERTE® versions. Please consult us.

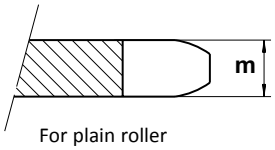
ISO STANDARD CHAINS



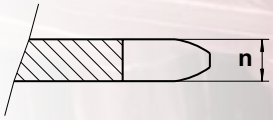
All our wheels are manufactured with a raw oxygen cutting or foundry tooth for chains fitted with slide rollers and flanged rollers. Wheels for bush and roller chains are tooth milled. Our Standard wheels are manufactured with flanged hub with the possibility pf wheels with symmetrical hub.

We supply upon request:

- wheels with machine cut teeth for chains mentioned below
- wheels with a different number of teeth
- special wheels



For plain roller



For flanged roller

Dimensions in mm

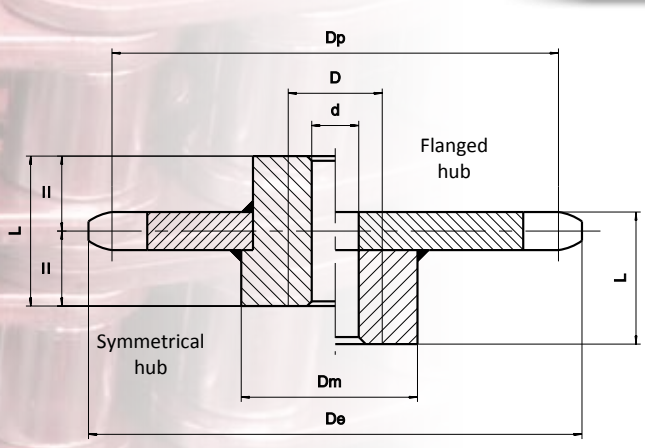
Chain reference	Pitch	Z	Dp	De	d(H10) min.	D max.	Dm	L	Mass kg	m	n
M20	50	8	130,65	136	24	50	80	50	2,6	14	10,5
		12	193,18	200	24	50	80	50	4,0		
	63	8	164,62	172	24	50	80	50	3,1	14	10,5
		12	243,41	253	24	50	80	60	5,1		
	80	8	209,04	214	24	50	80	50	4,6	14	10,5
		12	309,09	318	24	60	90	70	7,3		
	100	8	261,31	270	24	60	90	70	6,5	14	10,5
		12	286,37	396	24	70	100	80	8,8		
M56	100	8	261,31	275	30	80	120	80	13,5	20	15,0
		12	386,37	404	30	100	150	100	23,0		
	125	8	326,63	340	30	80	120	80	14,7	20	15,0
		12	482,96	500	30	100	150	100	28,2		
	160	8	418,09	432	30	100	150	100	24,6	20	15,0
		12	618,19	635	40	120	170	120	41,0		
	200	8	522,62	536	30	100	150	100	30,9	20	15,0
		12	772,74	788	40	120	170	120	52,3		
M80	100	8	261,31	278	30	80	130	80	15,3	20	15,0
		12	386,37	406	30	100	160	100	28,0		
	125	8	326,63	342	30	80	130	80	20,4	20	15,0
		12	482,96	503	30	100	160	100	33,4		
	160	8	418,09	436	30	100	160	100	28,4	22	18,0
		12	618,19	636	40	120	190	120	50,4		
	200	8	522,62	540	30	100	160	100	35,8	22	18,0
		12	772,74	792	40	120	190	120	63,0		
M112	125	8	326,63	346	30	80	150	80	23,0	25	20,0
		12	482,96	506	30	100	170	100	39,0		
	160	8	418,09	438	30	100	170	100	39,4	25	20,0
		12	618,19	640	40	120	200	120	60,3		
	200	8	522,62	542	30	100	170	100	43,2	25	20,0
		12	772,74	794	40	120	200	120	75,6		
	250	8	653,27	670	40	120	200	120	64,5	25	20,0
		12	965,92	988	40	140	240	140	109,0		
M160	160	8	418,09	442	30	100	200	100	47,8	30	24,0
		12	618,19	645	40	120	230	120	77,8		
	200	8	522,62	544	30	100	200	100	57,0	30	24,0
		12	772,74	798	40	120	230	120	99,4		
	250	8	653,27	676	40	120	230	120	83,5	30	24,0
		12	965,92	992	40	140	260	140	139,8		
	315	8	823,12	844	40	120	230	120	107,0	30	24,0
		12	1 217,06	1243	40	140	260	140	186,4		
M224	160	8	418,09	448	40	120	220	120	58,4	35	25,0
		12	618,19	650	40	140	260	140	120,0		
	200	8	522,62	550	40	120	220	120	80,0	35	25,0
		12	772,74	804	40	140	260	140	130,0		
	250	8	653,27	680	40	140	260	140	112,0	35	25,0
		12	965,92	998	50	160	300	160	186,0		
	315	8	823,12	850	40	140	260	140	144,0	35	25,0
		12	1 217,06	1249	50	160	300	160	245,0		
M315	160	8	418,09	448	40	120	250	120	68,0	40	30,0
		12	618,19	653	40	140	300	140	141,0		
	200	8	522,62	552	40	120	250	120	91,0	40	30,0
		12	772,74	807	40	140	300	140	165,0		
	250	8	653,27	680	40	140	300	140	149,0	40	30,0
		12	965,92	1003	50	160	340	160	239,0		
	315	8	823,12	854	40	140	300	140	175,0	40	30,0
		12	1 217,06	1254	50	160	340	160	310,0		
M450	200	8	522,62	559	40	140	280	140	120,0	45	35,0
		12	772,74	800	50	160	320	160	259,0		
	250	8	653,27	689	50	160	320	160	193,0	45	35,0
		12	965,92	987	50	180	380	180	323,0		
	315	8	823,12	815	50	160	320	160	269,0	45	35,0
		12	1 217,06	1229	50	180	380	180	412,0		
	400	8	1 045,24	1020	50	180	380	180	352,0	45	35,0
		12	1 545,48	1547	60	200	460	200	630,0		
M630 & M900	CONSULT US										

These wheels are available with 10 and 16 teeth. Do not hesitate in consulting us.

Dimensions subject to change. Please consult us for verification.

Wheels and Sprockets for conveyor chains

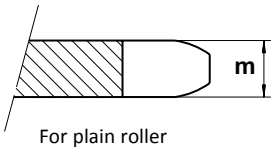
BS standard chains



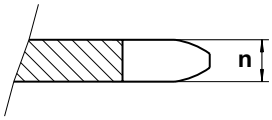
All our wheels are manufactured with a raw oxygen cutting or foundry tooth for chains fitted with slide rollers and flanged rollers. Wheels for bush and roller chains are tooth milled. Our Standard wheels are manufactured with flanged hub with the possibility pf wheels with symmetrical hub.

We supply upon request:

- wheels with machine cut teeth for chains mentioned below
- wheels with a different number of teeth
- special wheels



For plain roller



For flanged roller

Dimensions in mm

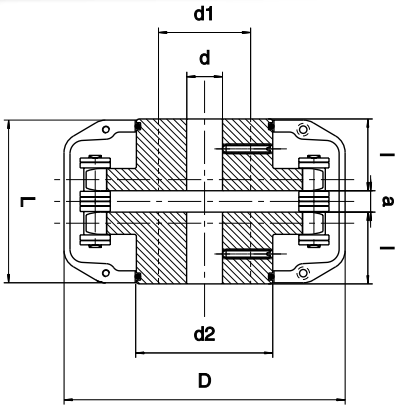
Chain reference	Pitch	Z	Dp	De	d(H10) min.	D max.	Dm	L	Mass kg	m	n
M22	50	8	130,65	140	24	50	80	60	3	12,6	9,0
		12	193,18	203	24	50	80	60	5		
	75	8	195,98	206	24	50	80	60	6	12,6	9,0
		12	289,77	299	24	50	80	60	10		
	100	8	261,31	271	24	50	80	60	9	12,6	9,0
		12	386,37	396	24	50	80	60	16		
	125	8	326,63	336	24	50	80	60	12	12,6	9,0
		12	482,96	492	24	50	80	60	21		
M35	50	8	130,66	145	25	35	70	40	2	12,0	10,0
		12	193,19	208	30	50	100	50	5		
	60	8	156,79	172	25	50	100	50	4	12,0	10,0
		12	231,82	247	30	60	115	65	8		
	75	8	195,98	211	25	50	100	50	6	12,0	10,0
		12	289,78	304	30	60	115	65	11		
	100	8	261,31	276	30	60	115	65	9	12,0	10,0
		12	386,37	401	30	70	120	75	16		
M68	75	8	195,98	215	25	50	100	50	7	15,0	12,0
		12	289,78	309	30	60	115	65	14		
	100	8	261,31	280	30	60	120	80	11	15,0	12,0
		12	386,37	405	30	70	120	75	20		
	125	8	326,64	346	30	60	115	65	16	15,0	12,0
		12	482,96	502	30	70	120	75	29		
	150	8	391,97	411	30	70	120	75	22	15,0	12,0
		12	579,56	599	30	70	120	75	39		
M100	75	8	195,98	217	25	50	100	50	7	18,0	13,5
		12	289,78	311	30	60	115	65	14		
	100	8	261,31	282	30	60	115	65	11	18,0	13,5
		12	386,37	407	30	70	120	75	20		
	125	8	326,64	347	30	60	115	65	16	18,0	13,5
		12	482,96	504	30	70	120	75	29		
	150	8	391,97	413	30	70	120	75	22	18,0	13,5
		12	579,56	600	30	70	120	75	39		
M140	100	8	261,31	287	30	90	150	80	18	22,0	15,0
		12	386,37	412	30	90	150	80	28		
	125	8	326,64	352	30	90	150	80	20	22,0	15,0
		12	482,96	509	30	90	150	80	40		
M200	150	8	391,97	418	30	90	150	80	30	22,0	15,0
		12	579,56	605	30	90	150	80	55		
	160	8	418,10	444	30	90	150	80	35	22,0	15,0
		12	618,19	644	30	90	150	80	65		
	200	8	522,63	548	30	90	150	80	45	22,0	15,0
		12	772,74	798	30	90	150	80	90		
M270	150	8	391,97	422	30	110	180	140	62	32,0	25,0
		12	579,56	610	30	110	180	140	116		
	200	8	522,63	553	30	110	180	140	114	32,0	25,0
		12	772,74	803	30	110	180	140	184		
	250	8	653,28	684	30	110	180	140	134	32,0	25,0
		12	965,93	996	30	110	180	140	224		
M400	150	8	391,97	422	30	120	200	160	62	32,0	25,0
		12	579,56	610	30	120	200	160	116		
	160	8	418,10	449	30	120	200	160	66	32,0	25,0
		12	618,19	649	30	120	200	160	120		
	200	8	522,63	553	30	120	200	160	114	32,0	25,0
		12	772,74	803	30	120	200	160	184		
	250	8	653,28	684	30	120	200	160	134	32,0	25,0
		12	965,93	996	30	120	200	160	224		

These wheels are available with 10 and 16 teeth. Do not hesitate in consulting us.
Dimensions subject to change. Please consult us for verification.

OTHER PRODUCTS & SERVICES

sedis

CHAIN COUPLINGS



CHAIN COUPLINGS WITHOUT PROTECTION HAVE DIFFERENT DIMENSIONS. THEY ARE AVAILABLE WITHOUT KEYWAY AND WITHOUT GRUB SCREW. IN DOUBT, CONSULT US.

Dimensions in mm

References		d	d1	d2	l	D	L	a	Maximum misalignment between shafts (mm)	Maximum angular shafts divergence (degrees)	Mass (without case) (kg)
With case	Without case										
A203	**A203SP**	**12**	**28**	**42**	**30**	**80**	**65**	**5,04**	0,25	1°	0,82
A207	**A207SP**	12	34	56	28	97	63	6,82	0,25	0°50'	1,65
A211	**A211SP**	14	48	70	30	117	68	7,69	0,25	0°50'	3,00
A213	**A213SP**	16	55	80	35	145	79	8,61	0,30	0°40'	4,60
A215	**A215SP**	20	65	100	45	190	106	15,98	0,30	0°40'	10,00
A217	**A217SP**	30	77	114	60	-	138	18,10	0,40	0°35'	20,00
A218	**A218SP**	40	97	148	70	-	165	24,46	0,40	0°30'	40,00
A220	**A220SP**	50	112	162	85	-	201	30,41	0,50	0°30'	65,00
A222	**A222SP**	50	127	185	90	360	210	29,40	0,50	0°30'	75,00
	A223SP*	60	150	220	120	450	277	36,34	0,60	0°30'	150,00
	A224SP*	80	170	280	150	-	348	48,01	0,60	0°30'	260,00

* manufactured on request

Sprockets are 18 teeth type except for A224 (16 teeth type).

TRANSMISSIBLE POWER RATING IN KW (CONSTANT TORQUE)

References	rpm																
	25	50	75	100	200	300	400	500	600	900	1 200	1 500	1 800	2 500	3 000	3 600	4 800
A203	0,1	0,3	0,4	0,6	1,1	1,7	2,2	2,8	3,3	5,0	6,7	8,3	10,0	13,7	16,3	19,3	24,9
A207	0,3	0,7	1,0	1,4	2,8	4,1	5,5	6,9	8,2	12,3	16,4	20,4	24,3	33,2	39,3	46,0	
A211	0,6	1,1	1,7	2,2	4,5	6,7	9,0	11,2	13,4	20,1	26,6	33,1	39,4	53,3	62,5		
A213	0,9	1,7	2,6	3,4	6,8	10,3	13,7	17,1	20,4	30,5	40,3	49,9	59,0	78,7			
A215	2,5	5,0	7,5	10,0	20,0	29,9	39,8	49,7	59,4	88,2	115,8	141,9	166,0				
A217	5,1	10,2	15,3	20,5	40,9	61,2	81,4	101,5	121,4	179,4	234,4	285,1					
A218	10,3	20,7	31,0	41,3	82,5	123,4	163,9	203,9	243,3	356,5	459,5	548,8					
A220	16,2	32,4	48,5	64,7	129,1	192,9	256,0	317,9	378,5	549,4	698,4						
A222	23,2	46,4	69,6	92,8	185,1	276,6	366,8	455,3	541,6	783,6							
A223	47,9	95,8	143,6	191,4	381,5	568,5	752,2	930,1	1 101,3								
A224	70,1	140,2	210,1	280,0	557,5	829,8	1 094,6	1 349,2	1 591,1								

Coupling selection: select a coupling whose rated power Pn (or transmissible power) is given in the table above. Rated power Pn (as per table) has to be higher than the power to be transmitted x safety factor "S".

SAFETY FACTOR "S"

Correction

Multiply these factors by:
- 1,15: for operating 16/24 hours
- 1,30: for operating 24/24 hours

Class of transmission	Electric motor ou turbine	I.C. engine with hydraulic drive	I.C. engine with mechanical drive
A - Steady loading	1,0	1,2	1,4
B - Irregular loads	1,2	1,4	2,0
C - Irregular shock loads	1,8	2,0	2,3

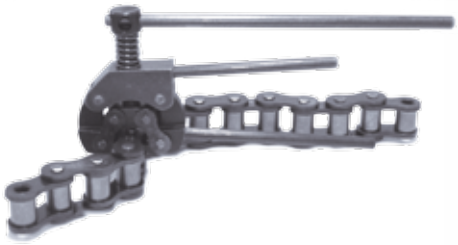
Wear Gauge

Gauges available for measuring the wear elongation of chains:

- J (LL) & AL type leaf chains
- LH/BL type leaf chains & roller chains

Chain Extractor Tools

Chain Extractor ref 9130
Simplex, duplex and triplex chains of pitches from 8 to 19,05mm in British and American standards



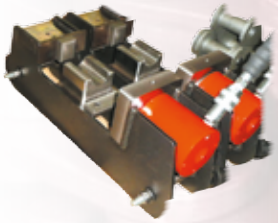
Chain Extractor ref 9160
Simplex, duplex and triplex chains of pitches from 25,4 to 31,75mm in British and American standards

This tooling is used to extract the pins of a transmission chain facilitating the dismantling of an outer link.
It is recommended to file the pins before removing them.

Assembling and Extracting Tool

Tooling used to dismantle and assemble all our conveyor chains, special and standard, in all pitch sizes.
Dismantling possible on unriveted pins.

Widely used in theme parks, cement and sugar industries, etc...



Sedis Service

The performance of an equipment is not only due to an excellent quality of product but also to a proper installation and an appropriate maintenance, that's why you can trust our experienced team for complete installation, maintenance and refurbishing of your conveyor lines on site, for any industry.

SEDIS Service performs:

- *Prescription*
- *Assessment study*
- *Installation*
- *Training*
- *Application analysis*

From design to installation, one contact: SEDIS

For further information please contact us

Other available brochures and catalogues

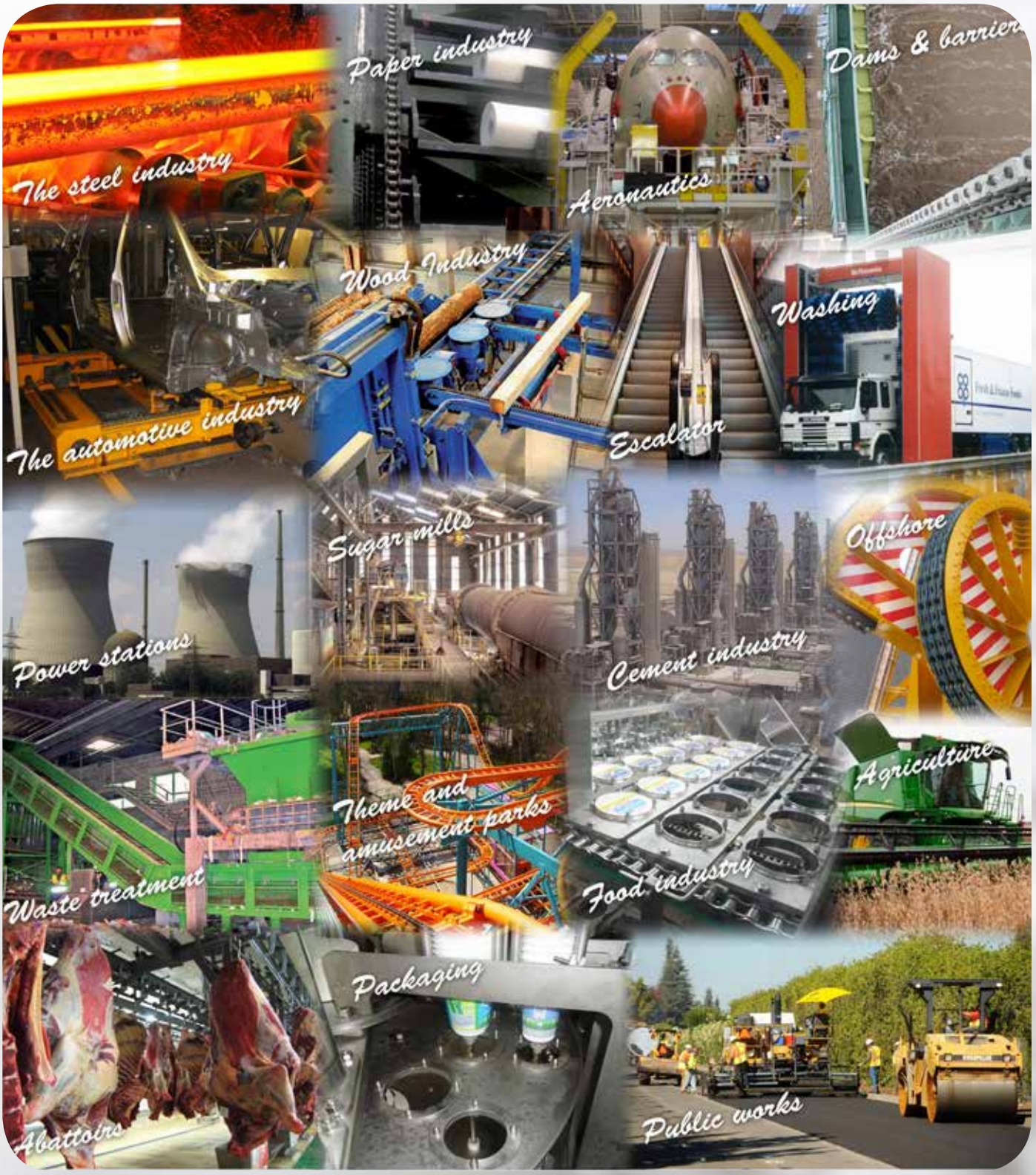
Corporate Brochure

Conveyor Chains Catalogue

New Conveyor Offering 2013

Specific Application Brochures

Applications



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