sedis
we make you stronger

CATALOGUE

Conveyor Chains

wheels & sprockets

POWERFUL CHAINS IN A CHANGING WORLD

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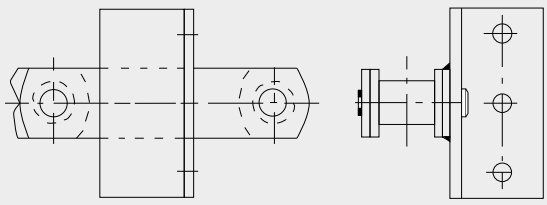

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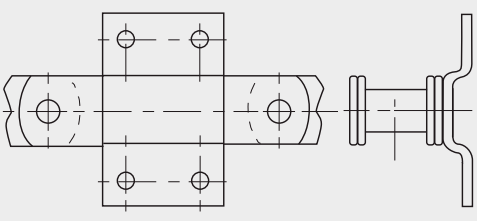


Type G
(bent or straight side plates)

1 - SEDIS CONVEYOR CHAINS

Like all chains, conveyor chains consist of pins and bushes joined together by plates. Their main distinguishing feature is their ability to be equipped with various means of accessories suitable for the type of conveyor used and the nature of the load to be moved. Their pitch, which is generally considerable, is not unique but can be chosen from a wide range.

1.1- ISO STANDARD CONVEYOR CHAINS

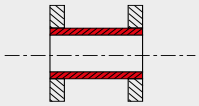
STANDARD CHAINS

The SEDIS chains conform to ISO 1977 standard. This range is based on the minimum tensile strength, the pitch, the type of pin and roller and the features of the plates. These characteristics are included in their designation.

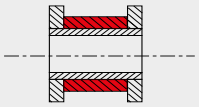
- The minimum tensile strength, according to a series based on preferred numbers, ranges from 20 to 900 kN.
- The pins of these chains are usually solid, but the standard allow them to be produced with hollow pins so that accessories as cross bars fixed to them when two chains are working in parallel.
- The pitch needs to be chosen on the basis of the operating conditions, the type of product to be conveyed, the frequency of accessories, the space available, etc... All pitch values that are also established according to a normal series are not necessarily available. Pitches with intermediate values or pitches in inches can be made.

These basic chains can be :

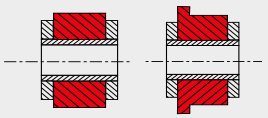
▶ **Bush chains** (without roller) for low speeds (conveyor belts, feeders, scrapers etc) and in some specific cases where the chain accessories are load-bearing, the chain becoming mainly a traction part.



▶ **Roller chains** in elevators where the chain speed is higher and causes shocks to the gearing. The rollers, made from case-hardened steel or steel with some other treatment, protect the bushes and prevent tooth wear.



▶ **Wheels chains** (rollers with a diameter greater than the height of the plates). They enable the chain to run on a flat surface. The wheels may be straight or flanged to provide lateral guiding. The straight or flanged wheels are made from treated steel.



CHAINS FOR LOAD SUPPORTS AND FASTENERS

In addition to hollow pins, there are many options to provide the support or attachment of the loads carried, directly or with the help of accessories :

- **Drilled plates** with one, two or three holes to receive attachment plates or spacer bars. If these bars cross the chain, clearance must be made on the sprocket teeth.

- **Deep link side plates** allowing the loads to rest directly on the chain rolling on straight wheels. These chains are normally used in parallel to form a belt and spread the loads.

- **Attachment plates** formed either by folding or in the form of brackets welded or riveted:

▶ **G attachments** with or without holes forming an attachment plane parallel to the plates.

▶ **F attachments** forming an attachment plane perpendicular to the plates.

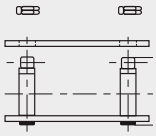
▶ **K attachments** with one or more holes forming an attachment plane perpendicular to the plates with a choice between three centre distance values (K2 with short, medium and long centre distance), the width of the attachments consequently varying. These attachment plates can be fitted on the inner plates, the outer plates, on one or both sides, according to a frequency that should be specified.

▶ **Special attachments** can be made on request if the quantities are sufficient.

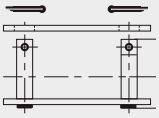
CONNECTING LINKS

There are three types of connecting links:

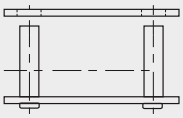
▶ **with self-locking nuts:** the two pins are riveted to one plate at one end, the other end receiving a connecting plate held by self-locking nuts



▶ **with cottered pins:** the outer plate is held on one side by cotters to facilitate dismantling. For some applications, we can deliver chains with plates cottered every pitch on one side.



▶ **with riveted pins:** the connecting plate is held by pins riveted both sides after assembly of the chain.



DESIGNATION

ISO solid pin conveyor chains are designated by the letter **M**. Chains with hollow pins are designated by the letters **MC**, and chains with deep link side plates by the letters **MD.** The reference is followed by the following information :

▶ the minimal tensile strength in kN
▶ a letter indicating the type of chain :

- **B** for bush chains
- **P** for plain wheels
- **S** for roller chains
- **F** for flanged wheels

▶ the pitch (in mm)

Example : the chain **M160F200** is a standard solid pin conveyor chain, with a minimum tensile strength of 200 kN, with flanged wheels and a pitch of 200mm.

Drilled plates should be specified clearly on the order: on inner / outer plates, number of holes, and frequency of these plates on the chain.

1.2- BS STANDARD CONVEYOR CHAINS

These chains are designed according to the **British standard** (BS 4116) in terms of **tensile strength and dimensions**.
Their designation is similar to the ISO range. Each chain has the following adaptations:
drilled plates, deep side plates, K type attachment plates, scraper attachment plates and hollow pins.

- BS chains - **factory standard** : metric dimensions and pitches (in mm).
- BS chains - **British standard** : Imperial dimensions and pitches (in inches).

1.3- FRENCH SERIES CONVEYOR CHAINS

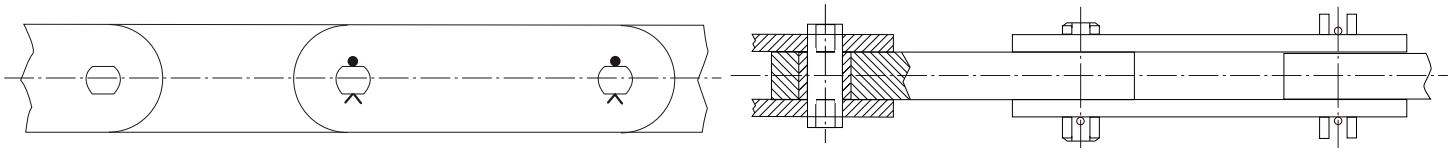
The special feature of French series chains lies in their **articulation** (pin/bush) which enable the chains to resist the **jolts and shocks** that are sometimes inevitable. There are three series of chains (light, normal and high resistance).

High resistance chains (treated plates) are used for demanding applications (high loads, transport of abrasive products, etc...).

The **accessories** for French series conveyor chains are: K, G and F type attachment plates.

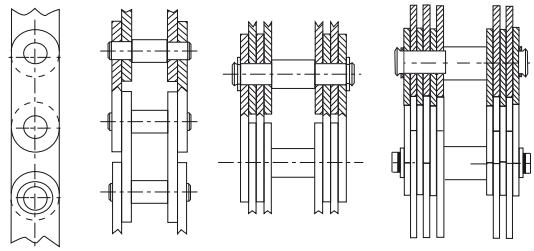
1.4- BLOCK CHAINS

Block chains have a **high tensile strength for a reduced width**. They are used to convey heavy loads, abrasive loads or when violent shocks are expected (e.g.: draw benches).
To increase the service life of the chain (better wear resistance), the blocks are sometimes bushed.



1.5- GALLE CHAINS

Galle chains are composed of **waisted or straight side plates and of flanged pins.**The flanges on the pins maintain the spacing between the plates and allow the chain to mesh on the sprocket. Chains are designated as single, double or triple link chains depending on the requested tensile strength.



Galle chains can transmit forces varying from a few hundred Newtons to more than 1000 kilo Newton; on the other hand the **speed should not exceed 20 m/min**.

Galle chains are used for **low speed transmission** (draw benches) or to **handle oscillating movements** (freight elevators, sluice gates, etc...).

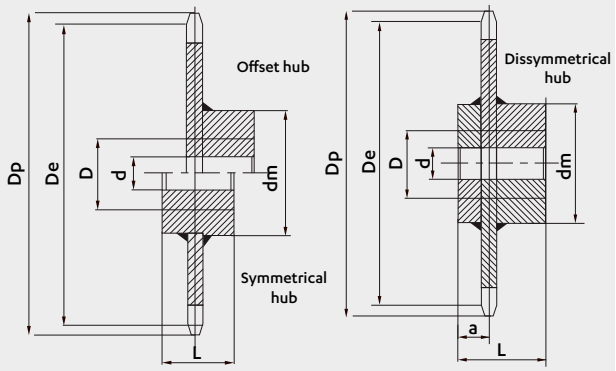
1.6- CHAIN WHEELS & SPROCKETS

The wheels used with conveyor chains are either made from machine-welded steel or of cast iron.
The teeth are usually raw casting or flame-cut, but they can be supplied on order with machined teeth (necessary when using bush chains).
The hubs are offset from the tooth plane except when a symmetrical hub is specifically ordered. Chain wheels can be supplied bored and keyed. In the case of a sloping groove on an offset hub, the entry point is placed on the same side as the teeth unless specified otherwise.

NUMBER OF TEETH AND DIMENSIONS

The tables of sizes specify the standard number of teeth normally produced. However, to order, we can supply chain wheels with a different number of teeth. These tables also give the main dimensions of chain wheels for the most common pitches :

- Pitch diameter Dp and outer diameter De
- Hub diameter Dm and the width L
- Dimension a : position of the tooth plane on an offset hub
- Standard tooth width and width for flanged wheels
- Minimum bore diameter d and maximum bore diameter D
- Approximate weight



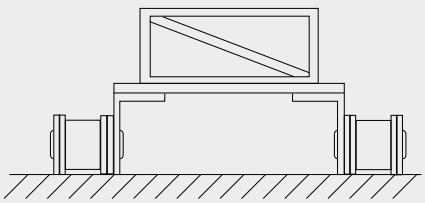
2 - OPERATION MODE OF CONVEYOR CHAINS

A conveying installation includes a drive chain wheel, as in the case of power transmission.
The force on the chain comes from the weight and the friction of the load to be transported and of the chain itself.

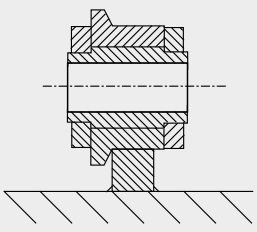
2.1- CHAIN SUPPORT

The chain can be supported between chain wheels in various ways:

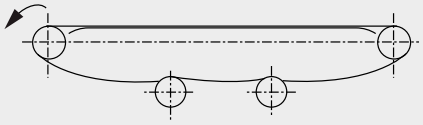
▶ The chain **slides on a guide and rests on the edge of its plates.**



▶ The chain **rolls on a guide by resting on its rollers** or more often on its plain or flanged wheels.



▶ The chain is **supported by one or more idler wheels**, either plain or toothed, in contact with the edge of the plates or the wheels. This configuration is only used for the **slack strand**. The chain contact on the tight and the slack side are not necessarily the same.



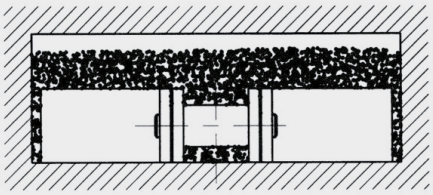
In a vertical system it may be possible to do without any support or guiding device for the chain which is then supported by the top sprocket, which is usually the driver one.

2.2- TYPE OF LOAD

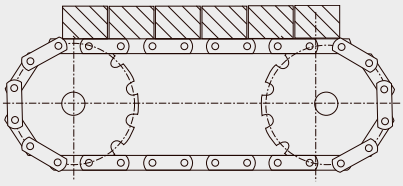
The conveyed loads may be very different, what leads to a wide variety of conveyor installations.

▶ **The load is continuous over the whole length** of the conveyor, this load being:

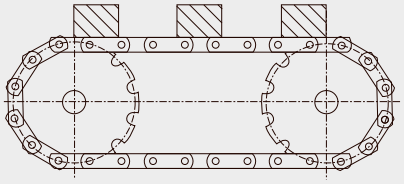
• **bulk** (coal, grain, etc...)



• **separate objects touching each other** (boxes, cases...)



▶ **The load is not continuous.** These are objects spread more or less regularly along the conveyor.



2.3- LOAD SUPPORT

Regardless of the nature of the load, it can be supported during transport in various ways:

▶ **The load is not supported by the chain** which in this case only has a drive function. The chain rests on a guiding surface on which it slides or rolls. This situation is encountered most often in bulk transport in a chute in which the chain is submerged

▶ **The load is supported by the chain**:

• either **directly**, generally on deep link side plates,

• or **by means of various accessories** attached by one of the means described in the previous paragraph (hollow pins, drilled plates, K type attachment plates, etc).

2.4- CHAIN ROUTE

The origin and the value of the forces on the chain depend not only on the chain support method and the load support, but also on the route:

▶ **Straight horizontal route:** (the simplest situation) :
In principle, the traction forces on the chain are only caused by friction:

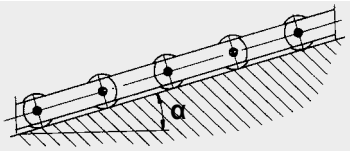
• **Sliding and/or rolling** of the two strands of the chain on its guides,

• Possible **friction** between the load and it contact points,

In addition, the chain is loaded perpendicularly to its direction by the masses (chain and load), a force which can be exercised on the wheels.

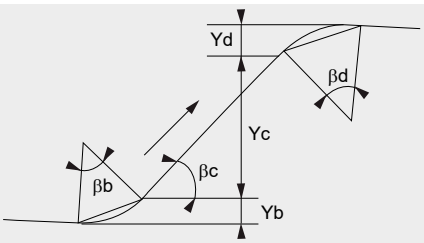
▶ **Straight inclined route** the forces mentioned above have to be weighted:

• the **elevation of the mass** is added to the friction,
• the mass only acts by its normal part



▶ **Curved route**: the laws of mechanics enable calculation of the effect of the curve in the guide on the chain friction. This only needs to be taken into account for small curvature radius and large deviations.

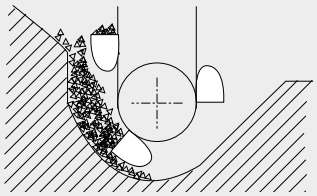
▶ **Mixed route**: naturally, one installation can contain sectors of routing combining the configurations described.



2.5- OTHER WORKING CONDITIONS

Various working conditions can be added to the basic conditions described above. It is important to take them into account when describing the conditions of use of the chain (next paragraph). These are mainly mechanical parameters, but may also be the nature of the working environment.

▶ **Drag** : an extra force is applied to the chain when the transported load is exercised by excavation as it is often the case in bucket elevators.



▶ **Shock loading** : independently of jerks which can happen on starting up, the arrival of loads on the moving conveyor can also cause overloads which need to be taken into account.

▶ **Torsion** : the forces applied to the chain must not have a torsion component. It is not always possible to avoid it completely. In this case it must be taken into account.

▶ **Polygonal effect** : when the number of teeth on a sprocket is reduced, which is often the case in conveying, their polygonal shape causes transverse oscillations and speed variations which can cause overloads and be prohibitive in certain conditions.

▶ **Speed** : as the masses in movement are generally high, the average value and the variations in speed of the chain are important parameters. The table here shows the speed values commonly used in the principal applications of conveyor chains.

Use of the chain	Speed
Conveyor with wood or metal pallets	0,10 to 0,50 m/s
Vertical elevator with spaced buckets	0,60 to 1,75 m/s
Inclined elevator with spaced buckets	0,60 to 0,95 m/s
Vertical elevator with continuous buckets	0,30 to 0,70 m/s
Inclined elevator with continuous buckets	0,15 to 0,40 m/s
Bar conveyors	0,10 to 0,60 m/s
Skip hoist	0,10 to 0,30 m/s
Scraper conveyor	0,20 to 0,50 m/s

▶ **Environment** : it is not unusual for conveyor chains to work in difficult conditions. It is often a question of chemical aggression (humidity, acid vapours, etc) and temperature (high or low). See chapter "Sedis solutions" for the recommended treatments.

3 - SELECTING A CONVEYOR CHAIN

3.1- SELECTION PROCESS

▶ **Collect the maximum amount of data**, and in particular:
- The way the chain will work must be perfectly defined by referring to the possibilities explained above.
- **Masses at stake** (including mass of the chain which will need to be estimated initially), friction from the chain and the transported load, lengths, angles, information about any bends, etc...

▶ **Calculate the forces** exerted on the chain :
- **traction forces** due to the masses and the friction (as well as any bending) cause traction stresses in the plates and sheer in the pins as well as contact pressure between pins and bushes.
- **normal forces** (due to the masses and any curves) which cause contact pressure between the rollers (or wheels) and bushes, and the contact surface.

▶ **Choose the chain** according to its working mode and the result of the calculations according to one or more of the following criteria:
- **tensile strength** of the chain
- **Wear resistance** of the **articulations** and the **wheels**.

▶ **Redo the calculations** introducing the **mass of the chain selected**, if this mass is significantly different from the mass estimated for the first calculation.

▶ **Complete the technical details of the assembly and installation** referring to the recommendations explained in paragraph 3.8 and making sure that the working conditions initially planned have not changed to the point of affecting the calculations.

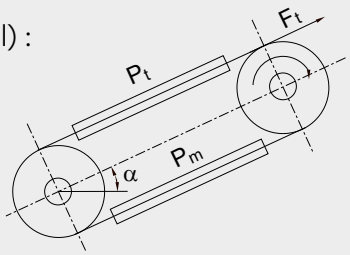
3.2- CALCULATION OF FORCES

GENERAL FORMULAS

All the symbols and units in the following formulas are listed in the chapter " symbols, units and main formulas".

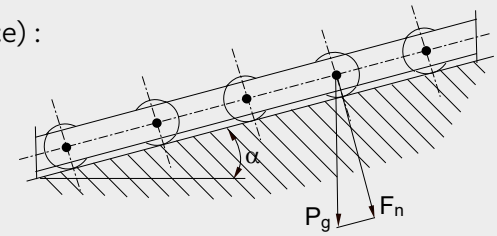
▶ **Maximum traction force** in Newtons (at the entry to the drive chain wheel) :

$$F_t = (P_t - P_m) \sin \alpha + (P_t \cdot f + P_m \cdot f') \cos \alpha + F_p$$



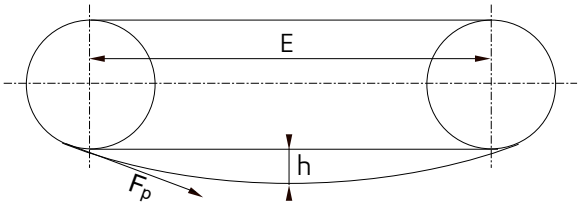
▶ **Maximum normal force** in Newton (pressure on the guiding surface) :

$$F_n = P_g \cdot \cos \alpha$$



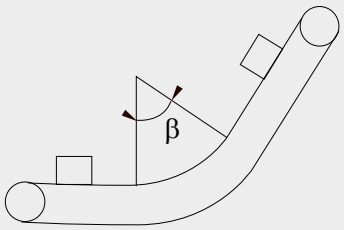
With:
- P_t and P_m : total loads (in N) supported by the tight strand and the slack strand respectively (see chapter 3.6)
- f and f' : the coefficient of friction encountered on the tight strand and on the slack strand (see chapter 3.7)
- α : the angle (in degrees) of the average direction of the chain in relation to the horizontal (positive value for climbing)
- P_g : the maximum weight (in N) acting on the wheel
- F_p : catenary force (in N) on the slack strand if it is not supported, given by the relation below:

$$F_p = P_m \left(\frac{E}{8h} + \frac{h}{E} \right)$$



▶ **Influence of a curve**

In a first approximation which is generally sufficient, when the direction of the chain is changed by an angle ß (in radians) on a slope with a coefficient of friction f, a correction has just to be made to the forces calculated with the following formulas:



Corrections : - multiply F_t by $e^{\beta f}$
- multiply F_n by : $(1+e^{2\beta f}-2e^{\beta f} \cos\beta)^{0.5}$

3.3- SELECTION FOR TENSILE STRENGTH

This is only a check, because in conveying installations it is only in exceptional cases where chains are subject to high forces continuously or in jerks that we may fear their failure by breakage before they wear out..

We calculate the maximum force Ft applied on the chain with the relations given in the previous chapter. This force must be corrected to take into account working conditions. we have the following values for **coefficient k**:

- moderate shocks ..... k = 1,2
- violent shocks ..... k = 1,4
- excavation ..... k = 1,4

We then check that the tensile strength Rr is above 5 times the corrected force Ftc. We call the safety factor Kg (here it equals at least 5).

3.4- SELECTION FOR WEAR RESISTANCE OF THE ARTICULATIONS

For the service life usually required in industrial applications (50,000 hours) and/or when the conditions are aggressive (e.g. abrasive dust), the risk of failure of a chain is in the wearing of rubbing parts, especially pins and bushes.

To prevent wear in the articulations (with abnormal elongation of the chain disrupting its operation) and to avoid seizure causing an increase in the required power, it is necessary to **limit the contact pressure in the articulations**.

▶ **Pressure in the articulations** : $P_a = \frac{Ft}{Sa}$ N/mm² or MPa

▶ **Articulation surface area** (with a pin of diameter d_a and a bush of length l_d) : $S_a = d_a.l_d$ mm²

▶ **Admissible pressure for normal conditions of operating duration** (chain length and speed) **and maintenance** (lubrication):

$P_a < 35$ MPa

WE CHOOSE A CHAIN WITH AN ARTICULATION SURFACE AREA AT LEAST EQUAL TO THE VALUE GIVEN BY THE RELATION:: $S_a > \frac{Ft}{35}$

Contact us for more severe operating conditions.

3.5- SELECTION FOR WEAR RESISTANCE OF THE WHEELS

When the load supported by the wheels, directly or indirectly, is significant, their wearing is likely to limit the service life of the chain.

The wheels support the normal component Fn which is calculated by the relation given in chapter 3.2, eventually corrected by the effects of a bend.

To find the average value of Pg, we use the weight calculation given in chapter 3.6, related to the pitch p of the chain.

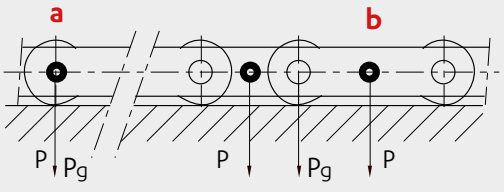
$$P_g = P_t . \frac{P}{E} = \left[P_c + \frac{P_{ac} + P_u}{n_c} \right] x \frac{P}{E}$$

n_c = number of chains in parallel on the conveyor. But locally Pg can be much higher than the average figure.

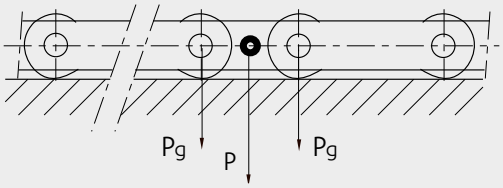
The weight of the payload P has to be added to the weight of the chain and accessories:

▶ **Payload applied directly to the articulation** (hollow or extended pin as per schema **a** below) **or applied to the plates** (drilled plates or K attachments) :

• <u>on consecutive links</u> (b) : $P_g = \frac{P}{n_c}$

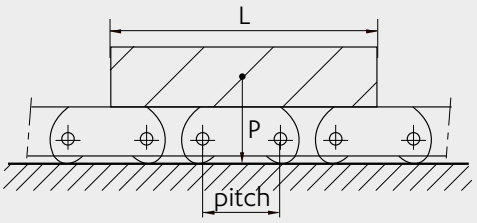


• <u>on an isolated link</u> : $P_g = \frac{P}{2n_c}$



▶ **Payload P of length L on a chain with pitch p:**

$$P_g = \frac{P \cdot p}{L \cdot n_c}$$



▶ **Bush/ wheel contact pressure:** $P_g = \frac{F_n}{S_g}$ MPa

▶ **Contact area in mm² of a bush with an outer diameter dg and a wheel of length lg:** $S_g = d_d \cdot l_g$ mm²

Admissible pressure for normal working conditions (length of the chain and its speed) and maintenance (lubrication):

- For an untreated steel wheel:	$P_g < 2$ MPa
- For a plastic wheel (POM):	$P_g < 2{,}2$ MPa
- For a treated steel wheel:	$P_g < 2{,}5$ MPa
- For a case-hardened steel wheel:	$P_g < 3$ MPa

3.6- WEIGHTS USED IN THE FORMULAS

▶ **The weight Pc of the chain (in N)** which is calculated from its mass per unit length Mc (in kg/m) given in the catalogue, the acceleration of gravity g (around 9,81 m/s) and from the length of the strand (which we can take to be equal to E: the centre distance between the wheels in mm):

$$P_c = M_c \cdot g \cdot E$$

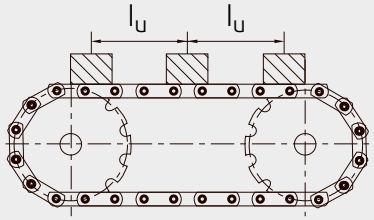
▶ **The weight of the accessories Pac (in N)** (not included in the weight of the chain). It is calculated from their mass per unit length Puac (in N), their distance Iac (in m) and the length E of the strand:

$$P_{ac} = P_{uac} \cdot \frac{E}{l_{ac}}$$

▶ **The weight Pu of the carried load.** Different possible situations:

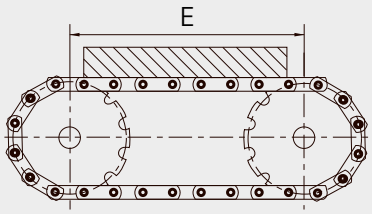
• **Distinct loads with unit weight** P_u (in N) at a distance of l_u (in m) :

$$P_u = p_u \cdot \frac{E}{l_u}$$



• **Continuous loads** (bulk or objects) with mass per unit length Mu (in kg/m):

$$P_u = M_u \cdot g \cdot E$$



• **Distinct or continuous loads** of which we know the **mass flow** Q (in N/min), or the **number No of objects** of weight Pu to be transported per minute at speed V (in m/min):

$$P_u = Q \cdot \frac{E}{v}$$

or

$$P_u = N_o \cdot p_u \cdot \frac{E}{v}$$

If there are n_c chains working in parallel:

• Tight strand : $P_t = P_c + \frac{(P_{ac} + P_u)}{n_c}$

• Slack strand : $P_m = P_c + \frac{P_{ac}}{n_c}$

3.7- FRICTION

The coefficients of friction f and f' corresponding respectively with the friction of the tight strand and the slack strand (see chapter 3.2) are:

- to be chosen directly in **table 1** in the case of **a chain sliding on its plates:**

$$f \text{ or } f' = f_1$$

- to be established according to the coefficients given in **table 2** and the diameters of the parts in contact, in the case of **the chain running on its wheels** with an outside diameter Dext and bore diameter Dint:

$$f \text{ ou } f' = \frac{f_2 \cdot D_{int} + f_3 \cdot \sqrt{D_{ext}}}{D_{ext}}$$

In the case of bulk transport, it is the friction of the transported product in the chute that is taken into account, whereas the friction of the chain is generally negligible. The table 2 gives the density and the friction coefficient of several materials generally handled in bulk.

Table 1

Friction parameters		Minimum: smooth and lubricated areas	Maximum: rough and dry areas
Sliding of the plates	on a steel guide	$f_1 = 0{,}08$	$f_1 = 0{,}40$
	on a plastic guide	$f_1 = 0{,}10$	$f_1 = 040$
Sliding between bush and roller or wheel		$f_2 = 0{,}10$	$f_2 = 0{,}20$
A roller or a wheel rolling	on a steel guide	$f_3 = 0{,}05$	$f_3 = 0{,}10$
	on a plastic guide	$f_3 = 0{,}07$	$f_3 = 0{,}15$

Table 2

Materials sliding in a steel chute	Apparent density	material friction coefficient f	Materials sliding in a steel chute	Apparent density	material friction coefficient f
Clay	0.77	0.63	Calcium carbonate	0.88	0.49
Asbestos	0.19	0.58	Ammonium chloride	0.67	0.79
Limestone	1.00	0.47	Charcoal	0.44	0.41
Cement	0.94	0.54	Coal	0.30	0.53
Lime	1.53	0.46	Pine wood	0.70	0.41
Aluminium ore	0.83	0.55	Wood chips	0.36	0.74
Iron ore	2.99	0.47	Barlez	0.39	0.71
Nickel ore	0.92	0.45	Rice - wheat	0.77	0.40
Lead ore	3.026	0.77	Sugar	0.68	0.47
Zinc ore	1.93	0.79	Polyethylene	0.34	0.52
Scrap iron - selected scrap	0.54	0.73	Rubber powder	0.39	0.53
Slag	0.90	0.48	Chromium powder	1.14	0.51

3.8- RECOMMENDATIONS FOR THE DESIGN OF THE INSTALLATION

▶ Number of teeth on the sprockets:

As conveyor chains normally have a fairly large pitch to allow the plates to be fitted with accessories, the designer will wish to reduce the number of teeth on the sprockets to reduce their size. The polygonal effect becomes significant below 12 teeth and even beyond that for high rotation speeds. In addition, for a chain wheel with a small number of teeth and a large pitch, follow the **recommendations in the catalogue concerning the maximum diameter of the hub in order to avoid its interference with the plates**.

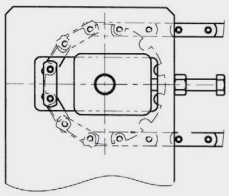
▶ Adjustment of the center distance :

The centre distance needs to be adjustable for several reasons:

- to facilitate the installation of the chain
- for maintenance, and to compensate for elongation over time.

A system of adjustment for taking up wear must be provided, either with:

- screws (see opposite drawing)
- springs
- conterweight
- jacks

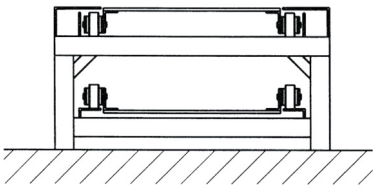


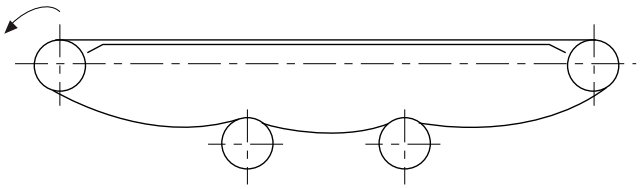
WARNING: by its principal a chain operates without tension in the slack strand because the drive by the chain wheels is positive. However in certain special cases, tension is necessary. The value of the tension force should not exceed 10% of the working load of the chain or 1% of the tensile strength.

▶ Chain strand supports and guides

• **The tight strand** which normally carries the load is supported by sliding or rolling on a guiding surface. Remember to use flanged wheels for large centre distances and in the case of a transverse force.

• **The slack strand** may be supported by sliding because it is carrying less load, but it is also possible to use rolling on the wheels (if they exist) or support by a series of idler wheels. Absence of support is only a solution for short centre distances as the catenary force becomes prohibitive for long centre distances. In any case, **the sag should never exceed 0.4% of the centre distance.** This condition may need an excessive tension force if the strand is not supported.





On both sides the meshing of the chain on the chain wheels should be performed with care: **guiding must be perfectly aligned with the teeth**. Provide **rounding at the end of the guide** to facilitate chain entry.

▶ Chain wheel alignment defect: (where b1 is the inner width of the inner link of the chain)

< b1 ÷ 2 : for lengths below 10m **< b1 : for lengths above 10m**

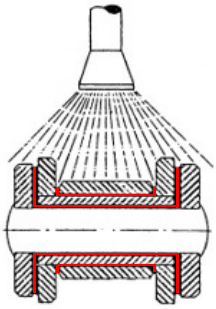
▶ Parallelism defect between the tooth planes: the sprockets must be parallel **(< 40')**

▶ Tolerance on the length of conveyor chains: **between 0 and + 0,25 %**

This tolerance needs to be reduced if two chains are working in parallel and are joined by cross parts or other accessories (to be precised on the order).

4 - LUBRICATION

4.1- PURPOSE



- **To introduce lubricating fluid between contacting surfaces** (see opposite drawi pin/bush, pin/plate, pin/roller, plate/plate or roller, etc. To reduce wear and prevent seizure.
- **To protect the chain against corrosion**
- **To reduce noise** by interposing fluid between faces subject to impact
- **To remove the heat** from the energy dissipated in friction**.**

4.2- METHOD OF APPLICATION

It depends on the use. Application methods can be grouped in 2 types for conveyor chains:

MANUAL LUBRICATION
(brush, oil, etc...)

CONTINUOUS DRIP FEED LUBRICATION

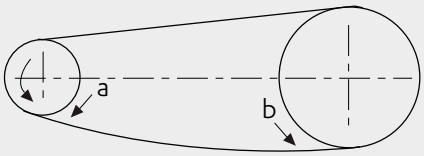
These two modes are more generally used but there are also automatic devices using rubbing brushes, spray or projection.

4.3- FREQUENCY OF APPLICATION

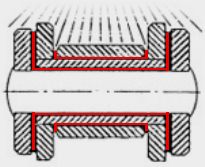
The frequency and volume of applications should be determined with the lubricant or lubrication system suppliers.

4.4- WHERE TO LUBRICATE ?

▶ **longitunally**: in a zone where the articulations are under a light load in order to facilitate penetration by the lubricant (slack strand: a & b: recommanded areas)



▶ **Transversally**: between plates to feed the articulations with lubricant, and between inner plates and rollers or wheels.



4.5- WHAT LUBRICANT TO USE?

The lubricant should be adapted to the operating conditions. In the majority of cases, we use a mineral oil with a viscosity depending on the working temperature.

Viscosity in accordance with the operating temperature

Operating temperature (°C)	recommanded viscosity (ISO -VG)
-15 to 0 °C	15 to 32
0 to 50°C	46 to 150
50 to 80°C	220 to 320

The user should find a compromise between excessively low viscosity which tends to result in the lubricant being lost by gravity or centrifugal force, and excessively high viscosity which prevents the lubricant from penetrating to the rubbing surfaces. To guide his choice he could consult the mechanical chain lubrication guide edited by CETIM.

For special cases, especially where lubrication is not possible, please contact us.

UNLESS WE RECOMMEND OTHERWISE.GREASE IS TOTALLY PROHIBITED.

SYMBOLS, UNITS AND MAIN FORMULAS

SYMBOLS & UNITS

Description	Symbol	Unit
Angle from the horizontal	α	radian
Angle of inflexion of the chain	β	radian
Global friction coefficient : tight strand	f	-
Global friction coefficient : slack strand	f'	-
Pin diameter	d_a	mm
Bush outer diameter	d_d	mm
Chain wheel pitch circle diameter	D_p	mm
Distance between attachments	l_{ac}	m
Traction force	F_t	N
Normal force	F_n	N
Centrifugal force	F_p	N
Center distance	E	m
Slack on section of chain	h	mm
Bush length	l_d	mm
Wheel length	l_g	mm

Description	Symbol	Unit
Acceleration of gravity (= around 9,81)	g	m/s
Linear mass of the chain	M_c	kg/m
Linear mass of the continuous load	M_u	kg/m
Number of chains in parallel on the conveyor	n_c	-
Chain pitch	p	mm
Weight of the chain	P_c	N
Weight of attachments	P_{ac}	N
Unit weight of the attachments	P_{uac}	N
Weight supported by a wheel	P_g	N
Weight of the transported load	P_u	N
Total weight supported by the tight strand	P_t	N
Total weight supported by the slack strand	P_m	N
Pressure in the articulation	p_a	MPa
Articulation surface	S_a	mm²
Bush/wheel surface	S_g	mm²

MAIN FORMULAS

▶ Maximum traction force: $F_t = (P_t - P_m) \sin \alpha + (P_t.f + P_m.f') \cos \alpha + F_p$

▶ Weight of one side of the chain (tight or slack): $P_c = M_c \cdot g \cdot E$

▶ Weight of the accessories: $P_{ac} = P_{uac} \cdot \frac{E}{l_{ac}}$

▶ Weight of the tight strand: $P_m = P_c + \frac{P_{ac} + P_u}{n_c}$

▶ Weight of the slack strand: $P_m = P_c + \frac{P_{ac}}{n_c}$

▶ Pressure in the articulations : $P_a = \frac{F_t}{S_a}$

EXAMPLES OF APPLICATIONS

THE CHAIN AND THE MATERIAL SLIDE IN THE CHUTE:

▶ Maximum traction force: $F_t = P_t \cdot f + P_m \cdot f_1$ ou $F_t = (P_c \cdot P_u) \cdot f + P_c \cdot f_1$

Where f : coefficient of the material transported in the chute & f1 : friction coefficient of the plates of the chain in the chute.

THE CHAINS RUN, THE LOAD IS CARRIED:

▶ Maximum traction force: $Ft = P_c + \left[\frac{P_u + P_{ac}}{n_c}\right] . f + \left(\frac{P_c + P_{ac}}{n_c}\right) . f'$

where f and f': rollability coefficients which depend on the bore and the outside diameter of the wheel

The normal force of the wheel is: $P_g = \frac{P \cdot P_u}{L \cdot n_c}$ (where L : length of the load)

SOLUTIONS AGAINST WEAR

NORMAL OPERATING CONDITIONS

▶ **Case-hardening :**
Carburization is a thermochemical treatment that enriches the carbon on the surface. This carburization is followed by quenching to obtain **surface hardening** of the carburized layer and help **improve wear resistance**.
All our standard chains have case hardened pins and bushes, plates made of weldable carbon steel and hardened rollers that can be **case hardened on request** for greater wear resistance.

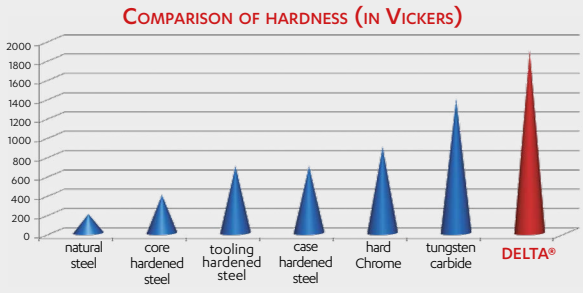
DIFFICULT CONDITIONS (FRICTION AND SEIZURE PROBLEMS)

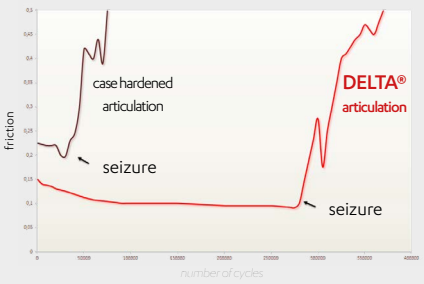
▶ **Mos2 :**
The pins are treated with Mos2 to facilitate running-in and reduce wear. This treatment **limits the friction** in the articulations and **reduces seizing**, in particular when heavy loads are concerned. Consult us.

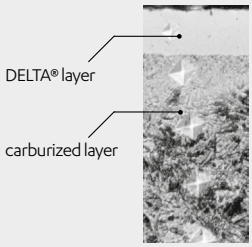
SEVERE APPLICATIONS (ABRASION, WASTE...)

▶ **DELTA® PINS:** When a **superior resistance to wear and to abrasion of articulations** is required, for an improved lifetime of the chain.

DELTA® pins are thermochemically treated to achieve **surface hardness two or three times greater** than that obtained by case hardening, for **unrivalled abrasion and wear resistance** (1800 Vickers compared with 700 Vickers for conventional carburization).







- **Significantly reduced friction** in the links to **push seizing back to the limit.**
- **Increased protection of the pins against corrosion** thanks to its chemical inertness, thus guaranteeing **better wear resistance over time.**

In addition to the pins, it is possible to **treat the bushes** to provide the chain with even greater resistance to wear: consult us.

SEDIS TECHNICAL SERVICES CAN RECOMMEND
THE MOST ADAPTED CHAIN AND TREATMENT
TO YOUR APPLICATION.

DON'T HESITATE TO CONSULT US AND SEND YOUR SPECIFICATIONS !

SEDIS TECHNICAL SOLUTIONS

SOLUTIONS AGAINST CORROSION

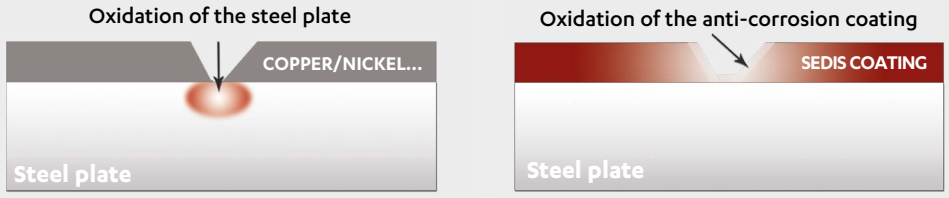
APPLICATIONS REQUIRING AN ANTI-CORROSION PROTECTION

▶ **Galvanization:**
Electrolytic treatment that improves corrosion resistance thanks to the depositing of a layer of zinc on the surface: for applications requiring a minimal degree of anti-corrosion protection.
Other types of zinc plating are possible on request (hot galvanizing, etc.). Consult us.
WARNING : Do not use stainless steel wheels with galvanized chains, to avoid any galvanic (dissimilar metal) corrosion.

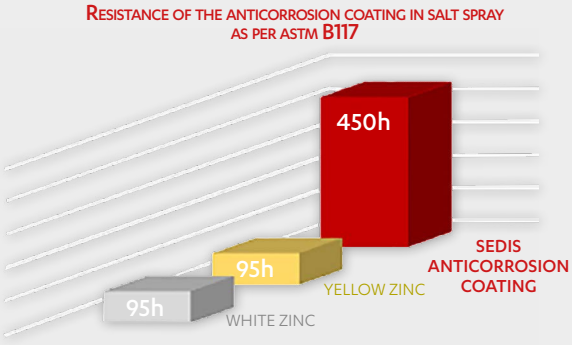
SEVERE APPLICATIONS REQUIRING REINFORCED ANTI-CORROSION PROTECTION

▶ **SEDIS ANTI-CORROSION TREATMENT :** For any severe application where a superior corrosion resistance is needed, and which doesn't allow use of a standard or galvanized chain.

The chain's metallic parts (excluding the pins) are **protected against corrosion by a mineral coating based on zinc and lamellar aluminum**. It is the zinc that oxidizes in preference to the steel:



The **corrosion resistance** provided by this SEDIS treatment is significantly better than that offered by other conventional treatments such as galvanization. We owe its **higher performance to its cathodic protection** characteristics.



WARNING :
Do not use stainless steel wheels with anti-corrosion treated chains, to avoid any galvanic (dissimilar metal) corrosion.

This anti-corrosion treatment of the parts can be associated with Delta® pins to combine anti-corrosion protection and resistance to wear for a longer service life.

▶ **Stainless steel:**
It is the presence of chrome in the steel that gives it increased corrosion resistance.
We can propose every type of stainless steel according to your application's specific problems (corrosion, wear, etc.). Consult us.

SEDIS TECHNICAL SERVICES CAN RECOMMEND
THE MOST ADAPTED CHAIN AND TREATMENT
TO YOUR APPLICATION.

DON'T HESITATE TO CONSULT US AND SEND YOUR SPECIFICATIONS !

MAINTENANCE-FREE SOLUTIONS

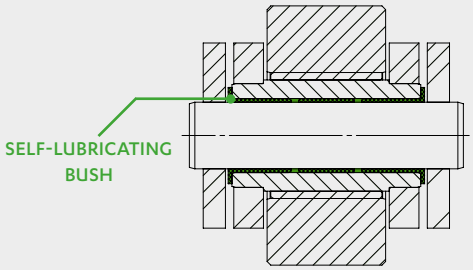
In many applications lubrification of the chain is hazardous or even impossible. Examples :

- **Risk of oil projection** which can damage the transported items
- **Risk of fire** if oil can be in contact with flame or products at high temperature (like escalators)
- **Operation in fluid environments** (water in particular)
- **risk of pollution by the lubrication** oil

APPLICATIONS WHERE LUBRICATION IS DIFFICULT OR IMPOSSIBLE

▶ VERTE® CHAIN : self-lubricating

A standard chain will have a limited service life if it is not correctly lubricated.
The solution is therefore the **VERTE® chain** which **does not require lubrication**, thanks to its **self-lubricating composite bushings** placed between the pins and bushes and/or between the bushes and rollers.



THE SELECTION OF VERTE® CHAINS SUITED TO THEIR UTILIZATION WILL BE MADE BY THE SEDIS TECHNICAL DEPARTMENT IN COMPLIANCE WITH THE APPLICATION'S TECHNICAL REQUIREMENTS, IN LINE WITH THE OPERATING CHARACTERISTICS AND THE NEEDS TO BE MET.

The VERTE chain composite bushes can be associated with Delta® pins and the SEDIS anti-corrosion treatment for a higher performance and resistance.

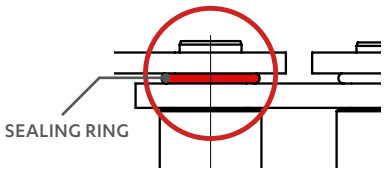
In this case, the wheels designed for these chains are made of galvanized steel, or of chromate-passivated galvanized steel with light lubrication of the treated teeth to avoid premature wear. Wheels with inserted plastic teeth can also be used if no lubrication of the gears is permitted.

WARNING : Do not use stainless steel wheels with VERTE® chains that have received an anti-corrosion treatment.

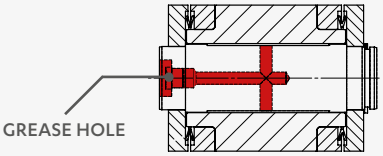
▶ For applications that are even **more severe in chemical terms** (dairies, nuclear, etc.) it is possible to make **VERTE® chains** with **stainless steel (austenitic, martensitic, ferritic)**. In this case the wheels are either made of stainless steel of the same type or of plastic. Consult us.

MAINTENANCE-FREE APPLICATIONS FOR WHICH VERTE® CHAINS CANNOT BE USED

▶ **Sealing ring chains**: when the application does not permit the use of a VERTE® chain (because of the pressure or speed for example), **sealing rings** can be used (V-ring, O-ring, etc.) between the inner and outer plates to **seal the articulation off from the external environment** and confine the lubricant. Maintenance is therefore not required.



▶ **Axial greasing**: Greasers can be integrated in the chain's pins in order to distribute the lubricant in the articulations.
This process makes it possible to lubricate the chain from the inside outwards.
This solution can be associated with rings for even better sealing with respect to the surroundings.



STANDARD CHAINS

Solid pin
CHAINS

ISO STANDARD CHAINS - *1977*

Dimensions in mm

NEW RANGE OF CONVEYOR CHAINS

FLANGED BUSHES

- **increased BREAKING LOADS**
- **SIDE GRIP improved** in heavy use
- **correct MESHING** of the chain in the sprockets

STEELS WITH HIGH MECHANICAL STRENGTH

- **improved material RESISTANCE & HARDNESS**
- **increased BREAKING LOADS**
- **Better WEAR RESISTANCE**
- **longer SERVICE LIFE**

REINFORCED RIVETING

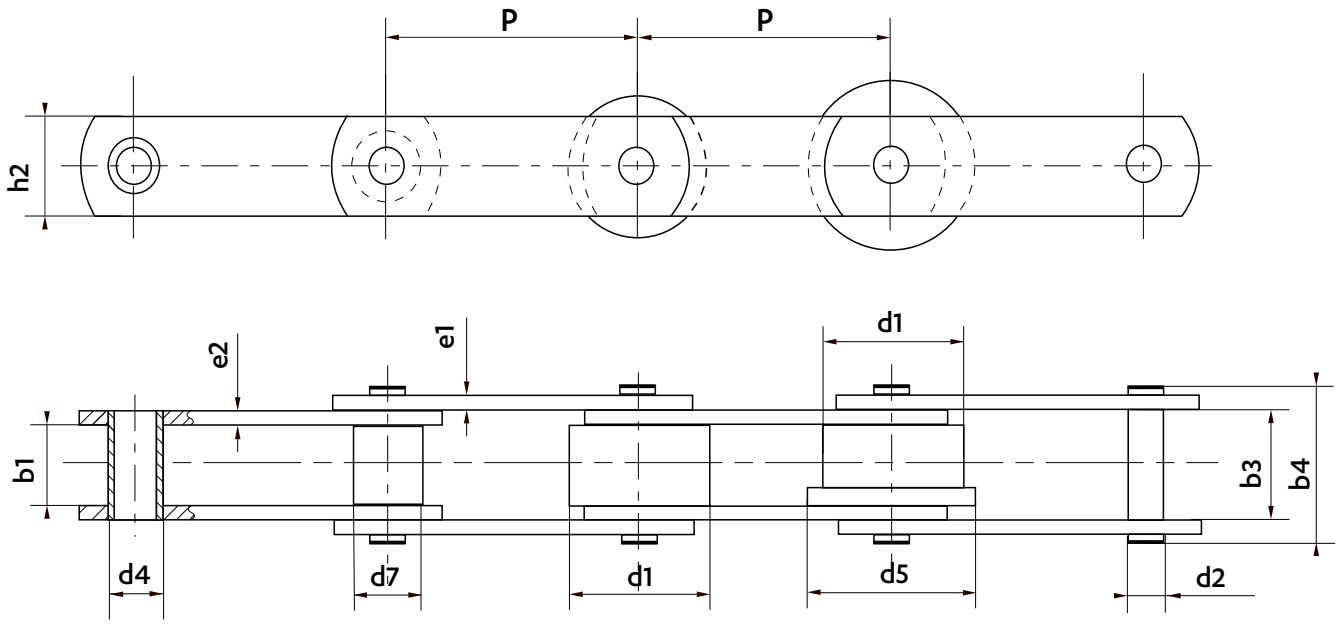
- **SIDE GRIP improved** in heavy use
- **REINFORCED RESISTANCE** to **shocks** et to **misalignment**
- **longer SERVICE LIFE**

Sedis references:

M ***80*** ***P*** ***100***

CHAIN TYPE	BREAKING LOAD	ARTICULATION TYPE	CHAIN PITCH
M SOLID PIN CONVEYOR CHAINS ***MC*** HOLLOW PIN CONVEYOR CHAINS ***MD*** DEEP LINK CONVEYOR CHAINS ***MR*** SCRAPER CONVEYOR CHAINS	Min. UTS of the chain (in kN) according to ISO standard Ex: 80 kN	***B*** BUSH CHAIN ***S*** SMALL ROLLER CHAIN ***P*** CHAIN WITH PLAIN TREATED WHEELS ***F*** CHAIN WITH FLANGED TREATED WHEELS	P in mm Ex: 100mm

Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Chain ref.	Pitch (intermediate pitches on request) 40	50	63	80	100	125	160	200	250	315	400	500	630	PLATES Height h2 nom.	Thickness e1 nom.	Thickness e2 nom.	Pin Ø d2 max.	ARTICULATION Bush Ø d4 max.	Roller Ø d7 max.	Wheel Ø d1 max.	Flanged wheel Ø d5 max.	WIDTH between inner plates b1 min.	between outer plates b3 min.	over riveted pins b4 max.	ISO standard breaking load Rr min. kN	SEDIS new range breaking load Rr min. kN
M 20	♦													17	2,5	2,5	6	9	12,5	25	32	15,5	22,5	30,6	20	20
M 56			♦											30	4	4	10	15	21	42	50	23,2	33,6	47,4	56	**65**
M 80														35	5	5	12	18	25	50	60	28	39,6	55,4	80	**100**
M 112				♦										40	5	6	15	21	30	60	70	32	45,7	62	112	**140**
M 160					♦									50	6	7	18	25	36	70	85	37	52,7	72	160	**220**
M 224						♦								60	6	8	21	30	42	85	100	43	60,8	81,2	224	**270**
M 315							♦							70	8	10	25	36	50	100	120	48	70,8	94,2	315	**420**
M 450														80	10	12	30	42	60	120	140	56	82,9	112,5	450	**570**
M 630														100	12	15	36	50	70	140	170	66	97	131,5	630	630
M 900								♦						120	15	16	44	60	85	170	210	78	113	155	900	900

Feasible — Despatch possible within 3 weeks — ♦ The chains with these pitches can only be made with bushes (B) and small rollers (S)

ISO STANDARD CONVEYOR CHAINS CAN BE MADE WITH :

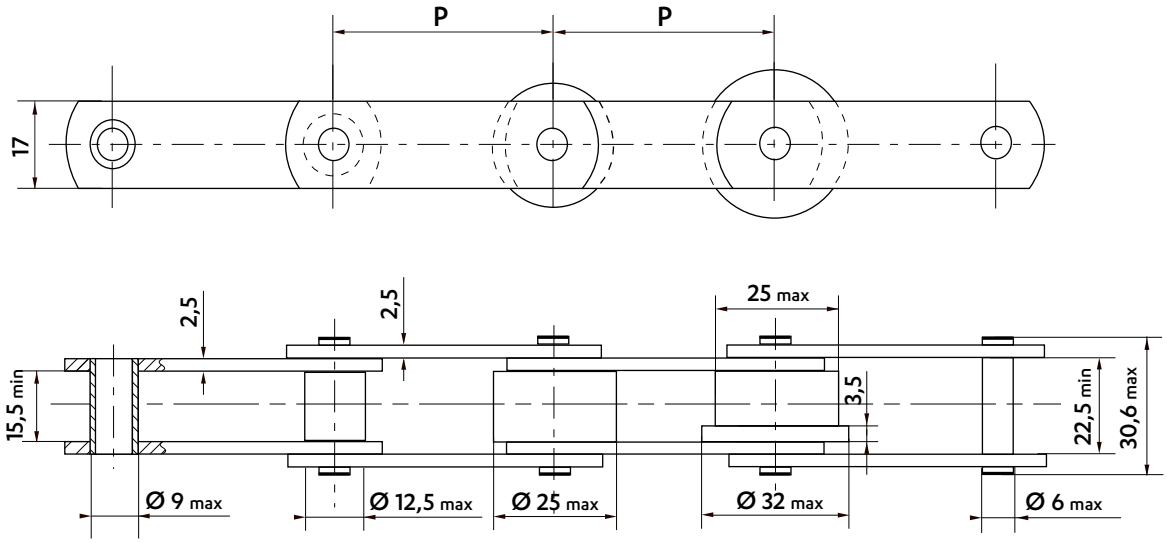
DELTA® PINS	ANTI-CORROSION COATINGS	VERTE CHAIN
ANTI-WEAR		MAINTENANCE-FREE

Further information on pages 19 to 21.

ISO STANDARD CHAINS *1977* - M20

BREAKING LOAD : 20 KN
WORKING SURFACE : 130 MM²
Pitches (P) : 40* / 53 / 63 / 80 /100 / 125 / 160mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

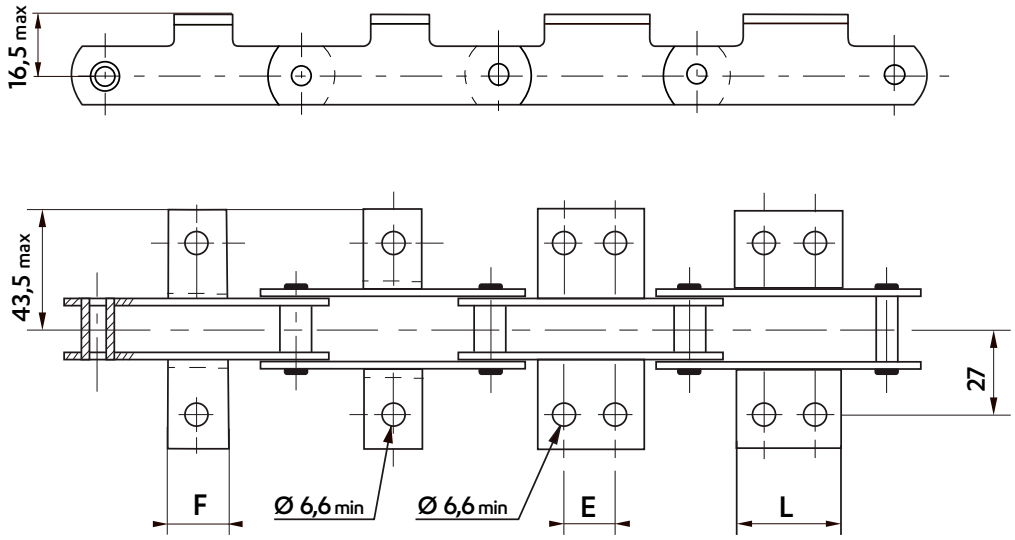
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

K ATTACHMENTS - *BENT PLATES*



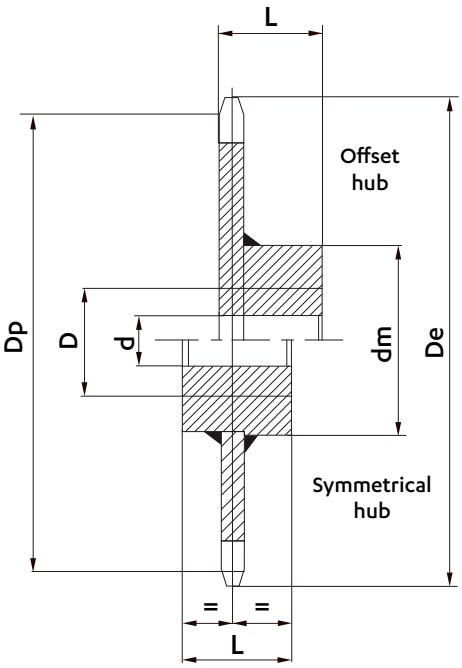
Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

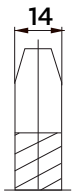
Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
50	23	-	-	-	-	-	-	1,2	1,3	2,2	2,4	0,02	0,04	0,06	0,07
63	36	20	36	-	-	-	-	1,1	1,2	1,9	2,0				
80	53	20	53	35	53	-	-	1,0	1,1	1,6	1,7				
100	73	20	73	35	73	50	73	0,9	1,0	1,4	1,5				
125	98	20	98	35	98	50	98	0,9	1,0	1,3	1,4				
160	133	20	133	35	133	50	133	0,8	0,9	1,2	1,3				

Intermediate pitches are on request

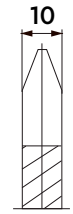
Dimensions in mm

STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the keydrive is placed at the same side as the teeth,unless specified otherwise.

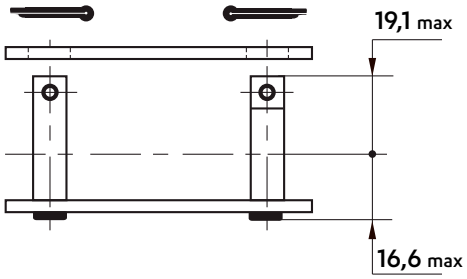
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
50	8	130,65	136	24	50	80	50	3
	10	161,80	168	24	50	80	50	3
	12	193,18	200	24	50	80	50	4
	16	256,29	266	24	60	90	60	5
63	8	164,62	172	24	50	80	50	3
	10	203,87	210	24	50	80	50	4
	12	243,41	253	24	50	80	60	5
	16	322,93	332	24	60	90	70	8
80	8	209,04	214	24	50	80	50	5
	10	258,88	268	24	60	90	60	6
	12	309,09	318	24	60	90	70	7
	16	410,06	420	24	70	100	80	12
100	8	261,31	270	24	60	90	70	6
	10	323,61	334	24	60	90	70	8
	12	386,37	396	24	70	100	80	9
	16	512,58	524	24	70	100	80	14

CONNECTING LINKS

REF N° 208

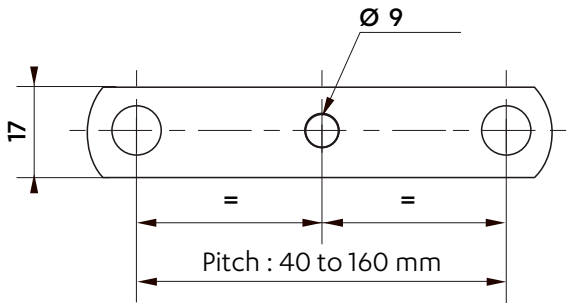
Cottered connecting link



DRILLED PLATES

On outer and inner plates

1 HOLE

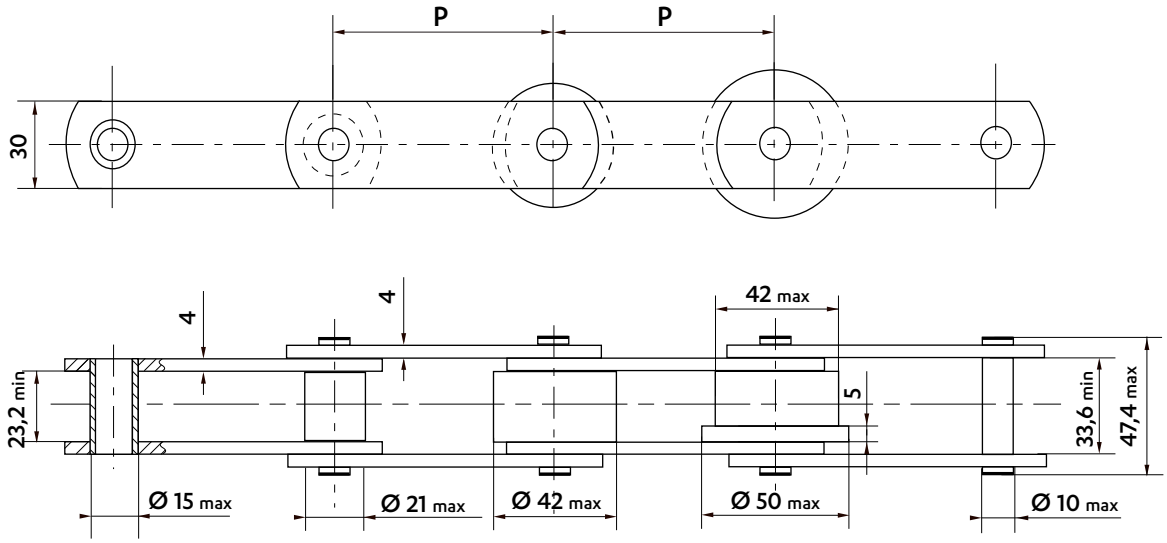


NEW

BREAKING LOAD : 65 KN
WORKING SURFACE : 330 MM²
Pitches (P) : 63* / 80 / 100 / 125 / 160 / 200 / 250 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

ISO STANDARD CHAINS *1977* - M56

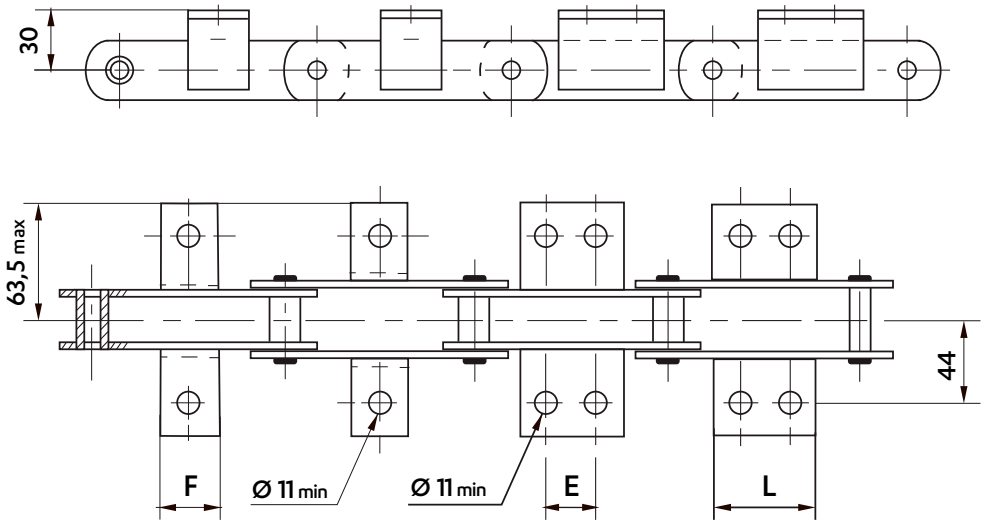
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *40X40X4*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)								Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L										
	F	E	L	E	L	E	L		Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
63	♦	♦		♦		♦			3,6	4	-	-				
80	30	♦		♦		♦			3,2	3,6	5,8	6,3				
100	40	25	53	♦		♦			3,0	3,2	5,0	5,4				
125	40	25	53	50	78	♦			2,7	3,0	4,4	4,7	0,08	0,15	0,21	0,31
160	40	25	53	50	78	85	113		2,6	2,7	3,8	4,1				
200	40	25	53	50	78	85	113		2,4	2,6	3,4	3,6				
250	40	25	53	50	78	85	113		2,3	2,4	3,1	3,3				

Despatch possible within 3 weeks

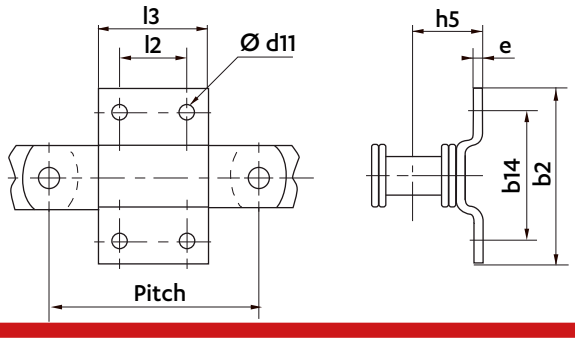
♦ Not standard : possible to make on request.

Intermediate pitches are on request

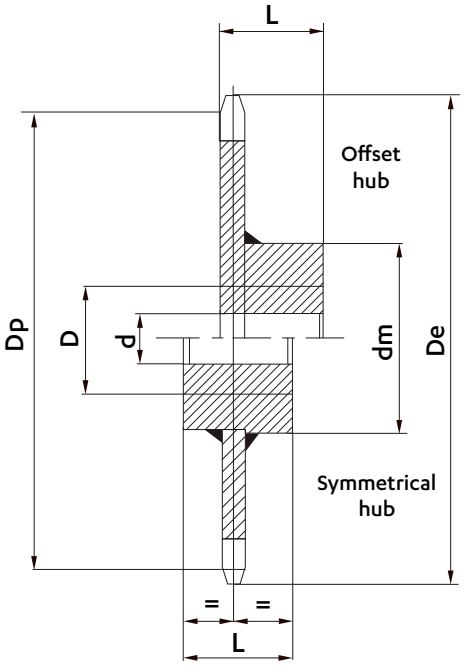
Dimensions in mm

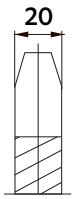
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
100	55	90	60	30	9	5	35	0,23
125	55			30				0,23
160	70			40				0,30

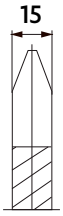


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

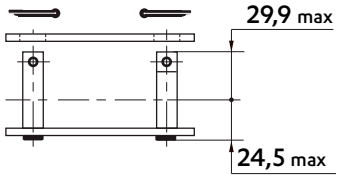
Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
100	8	261,31	275	30	80	120	80	13
	10	323,61	340	30	80	120	80	14
	12	386,37	404	30	100	150	100	23
	16	512,58	530	30	100	150	100	30
125	8	326,63	340	30	80	120	80	15
	10	404,51	420	30	100	150	100	24
	12	482,96	500	30	100	150	100	28
	16	640,72	658	40	120	170	120	44
160	8	418,09	432	30	100	150	100	25
	10	517,77	534	30	100	150	100	30
	12	618,19	635	40	120	170	120	41
	16	820,12	836	40	120	170	120	56
200	8	522,62	536	30	100	150	100	31
	10	647,22	660	40	120	170	120	44
	12	772,74	788	40	120	170	120	52
	16	1025,16	1042	40	140	190	140	82

Despatch possible within 2 weeks

CONNECTING LINKS

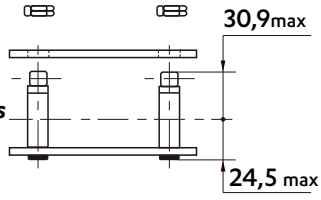
REF N° 208

Cottered connecting link



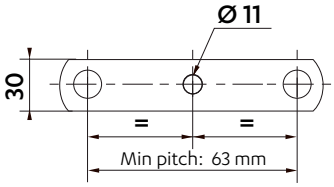
REF N° 209

Connecting link with self-locking nuts

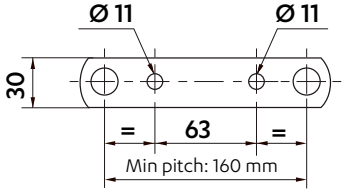


DRILLED PLATES

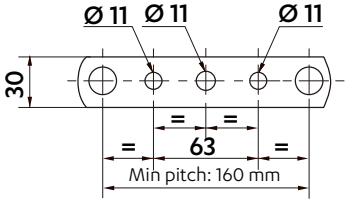
On outer and inner plates



1 HOLE



2 HOLES



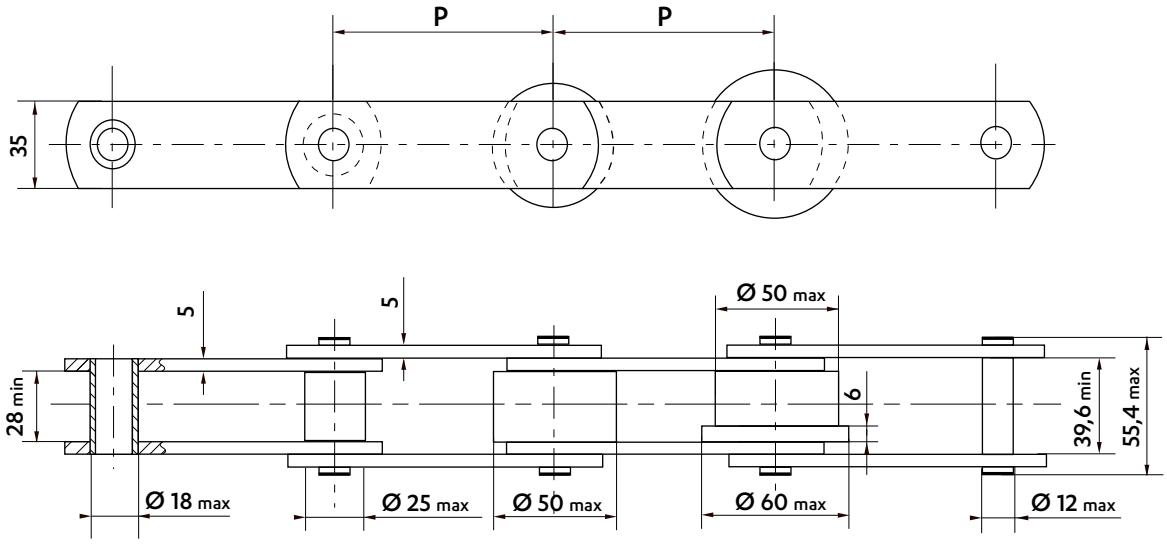
3 HOLES

NEW

BREAKING LOAD : 90 KN
WORKING SURFACE : 460 MM²
Pitches (P) : 80 / 100 / 125 / 160 / 200 / 250 / 315 mm
Intermediate pitches (P) on request

ISO STANDARD CHAINS *1977* - M80

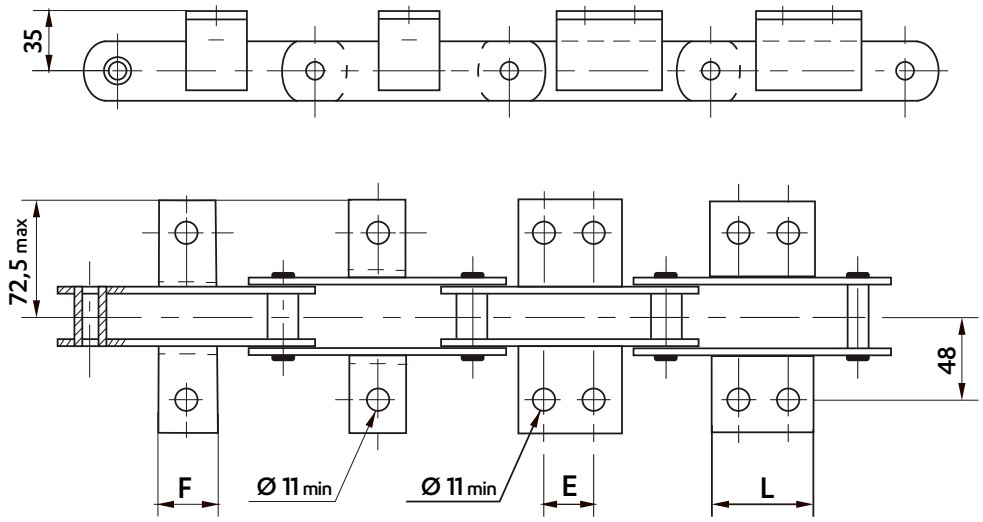
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *45X45X4,5*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
80	♦	♦		♦		♦		4,4	5,0	8,1	9,1				
100	40	♦		♦		♦		4,0	4,4	7,0	7,8				
125	40	50	78	♦		♦		3,7	4,0	6,2	6,8				
160	40	50	78	85	113	♦		3,4	3,7	5,4	5,8	0,1	0,26	0,38	0,50
200	40	50	78	85	113	125	153	3,2	3,4	4,8	5,2				
250	40	50	78	85	113	125	153	3,0	3,2	4,4	4,7				
315	40	50	78	85	113	125	153	2,9	3,0	4,0	4,2				

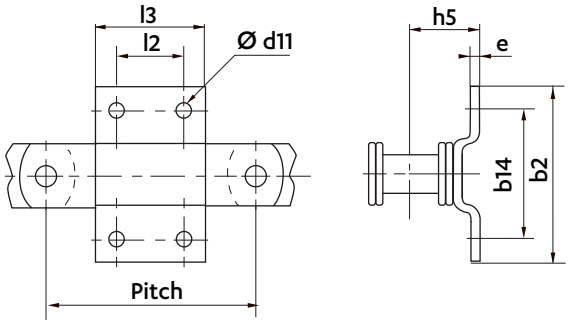
Despatch possible within 3 weeks ♦ Not standard : possible to make on request.

Intermediate pitches are on request

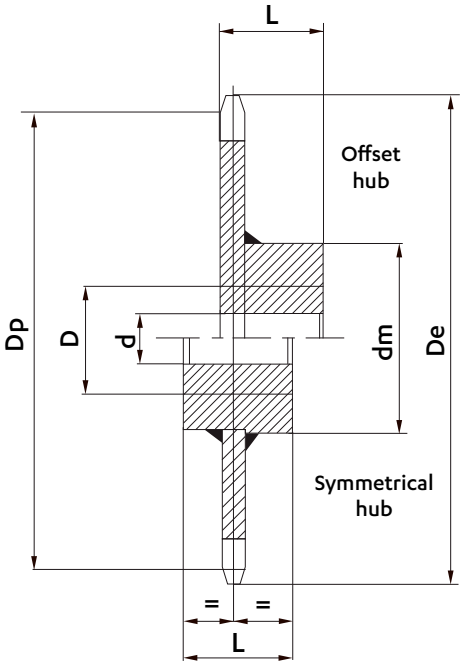
Dimensions in mm

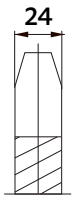
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
100	55	100	70	30	9	5	38	0,26
125	55			30				0,26
160	70			40				0,32

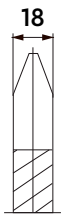


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

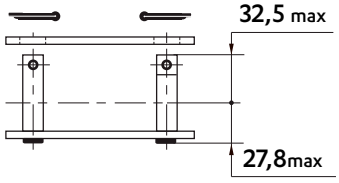
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
100	8	261,31	278	30	80	130	80	15
	10	323,61	342	30	80	130	80	20
	12	386,37	406	30	100	160	100	28
	16	512,58	534	30	100	160	100	35
125	8	326,63	342	30	80	130	80	20
	10	404,51	424	30	100	160	100	28
	12	482,96	503	30	100	160	100	33
	16	640,72	662	40	120	190	120	53
160	8	418,09	436	30	100	160	100	28
	10	517,77	535	30	100	160	100	37
	12	618,19	636	40	120	190	120	50
	16	820,12	840	40	120	190	120	68
100	8	522,62	540	30	100	160	100	36
	10	647,22	663	40	120	190	120	53
	12	772,74	792	40	120	190	120	63
	16	1025,16	1045	40	140	220	140	99

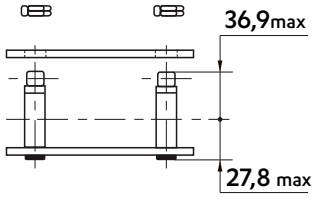
Despatch possible within 2 weeks

CONNECTING LINKS

REF N° 208
Cottered connecting link

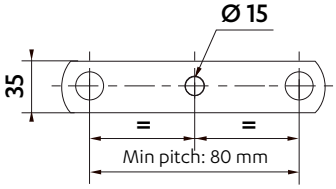


REF N° 209
Connecting link with self-locking nuts

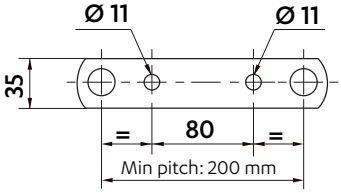


DRILLED PLATES

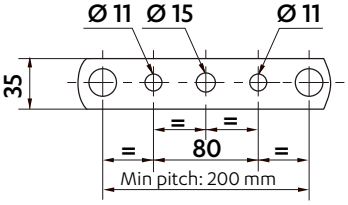
On outer and inner plates



1 HOLE



2 HOLES



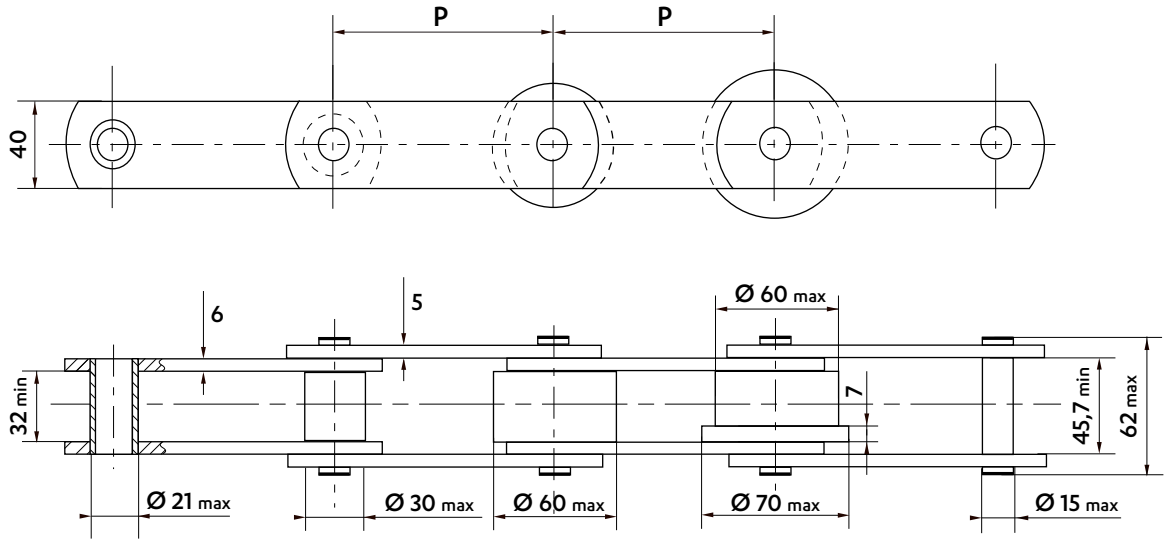
3 HOLES

NEW

BREAKING LOAD : 130 KN
WORKING SURFACE : 670 MM²
Pitches (P) : 80* / 100 / 125 / 160 / 200 / 250 / 315 / 400 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

ISO STANDARD CHAINS *1977* - M112

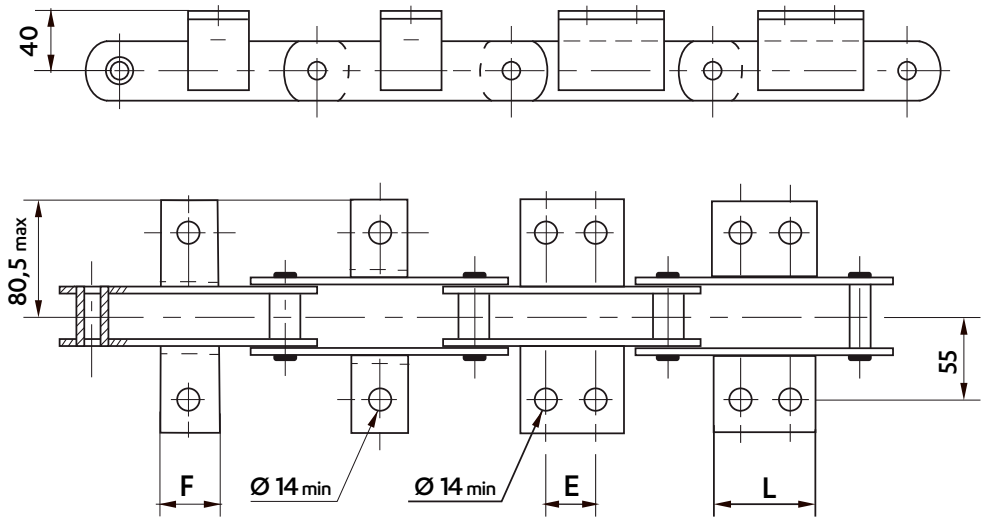
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	
B	S	P	F	*Types of articulation*

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *50 X 50 X 6*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
80	♦♦		♦		♦		♦	6,6	7,6	-	-				
100	40		♦		♦		♦	5,9	6,4	11,7	12,6				
125	40	35	70		♦		♦	5,4	6,1	10,0	10,8				
160	40	35	70	65	100		♦	5,0	5,5	8,6	9,1	0,15	0,31	0,45	0,60
200	40	35	70	65	100	100	135	4,6	5,0	7,5	8,0				
250	40	35	70	65	100	100	135	4,4	4,7	6,7	7,0				
315	40	35	70	65	100	100	135	4,1	4,4	6,0	6,3				
400	40	35	70	65	100	100	135	3,9	4,1	5,4	5,6				

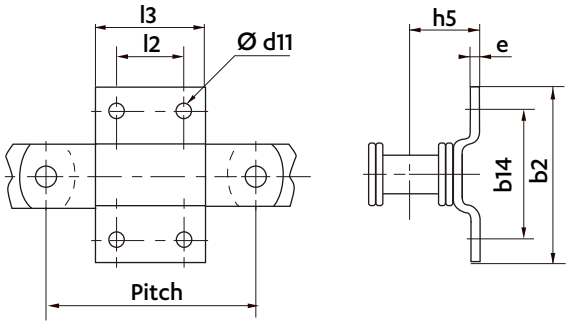
Despatch possible within 3 weeks ♦ Not standard : possible to make on request.

Intermediate pitches are on request

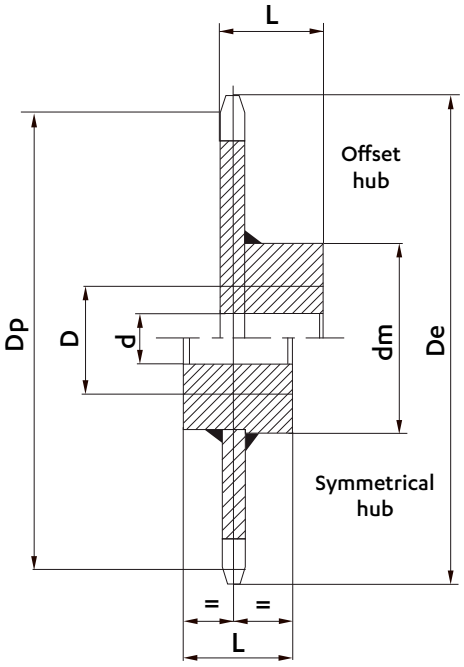
Dimensions in mm

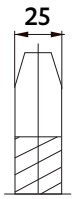
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
160	70	110	80	40	11	5	41	0,35
200	90			55	11	5	41	0,45

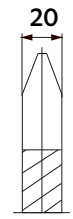


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

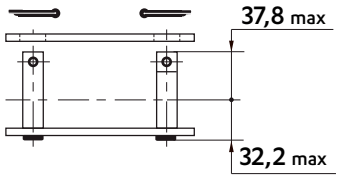
Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
125	8	326,63	346	30	80	150	80	
	10	404,51	424	30	100	170	100	35
	12	482,96	506	30	100	170	100	39
	16	640,72	664	40	120	200	120	64
160	8	418,09	438	30	100	170	100	39
	10	517,77	540	30	100	170	100	42
	12	618,19	640	40	120	200	120	60
	16	820,12	844	40	120	200	120	80
200	8	522,62	542	30	100	170	100	43
	10	647,22	668	40	120	200	120	58
	12	772,74	794	40	120	200	120	76
	16	1025,16	1048	40	140	240	140	115
250	8	653,27	670	40	120	200	120	64
	10	809,02	830	40	120	200	120	79
	12	965,92	988	40	140	240	140	109
	16	1281,45	1304	40	140	240	140	153

Despatch possible within 2 weeks

CONNECTING LINKS

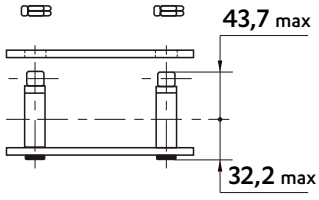
REF N° 208

Cottered connecting link



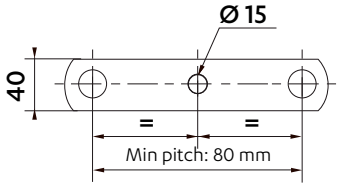
REF N° 209

Connecting link with self-locking nuts

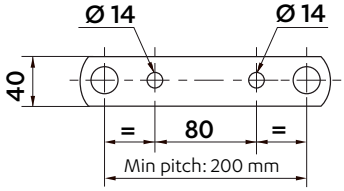


DRILLED PLATES

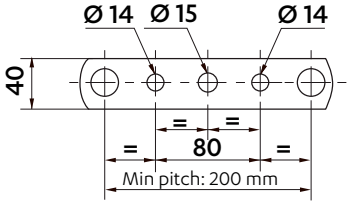
On outer and inner plates



1 HOLE



2 HOLES



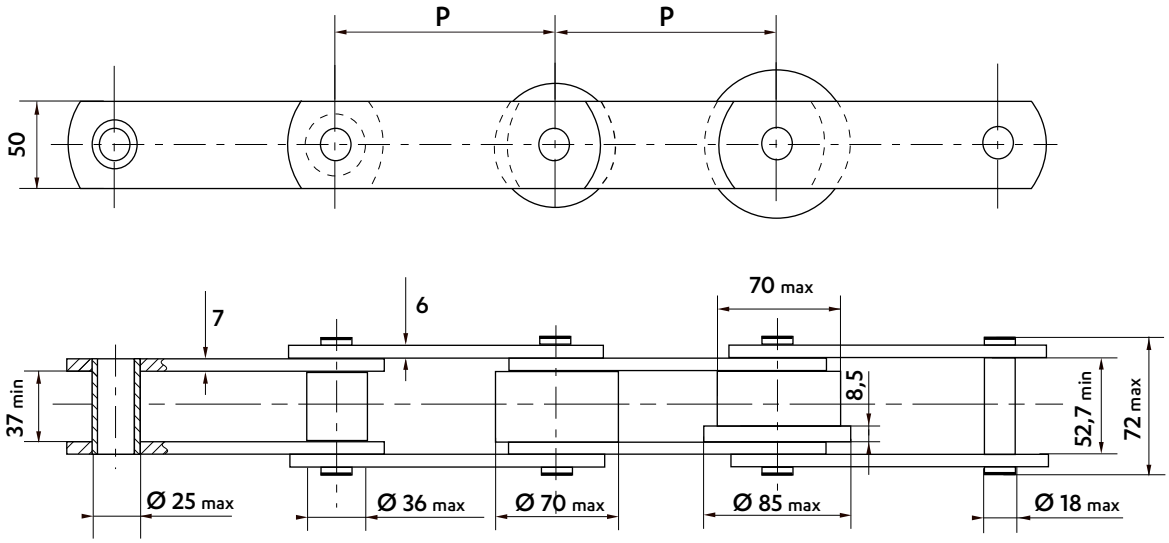
3 HOLES

NEW

BREAKING LOAD : 200 KN
WORKING SURFACE : 930 MM²
Pitches (P) : 100* / 125 / 160 / 200 / 250 / 315 / 400 / 500 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

ISO STANDARD CHAINS *1977* - M160

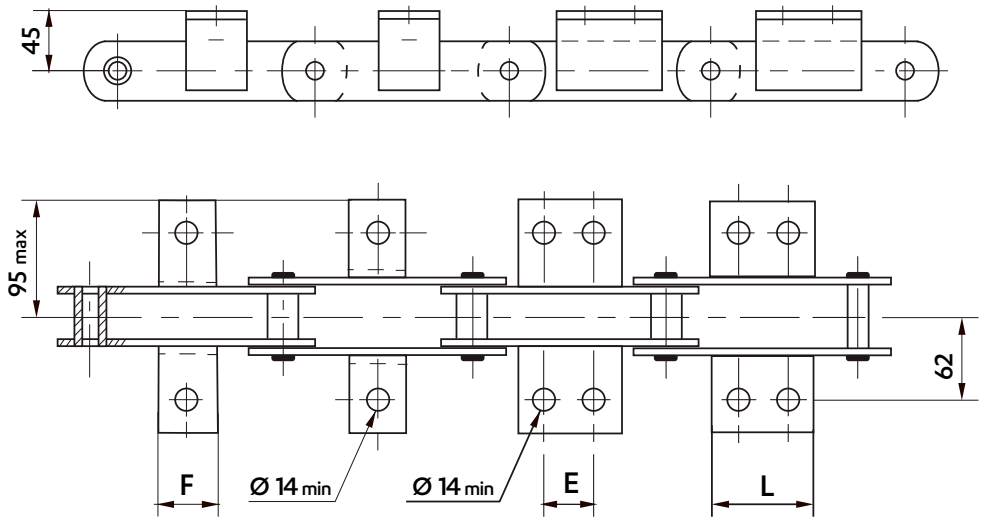
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *60 X 60 X 6*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
100	♦	♦		♦		♦		9,2	10,6	-	-				
125	40	♦		♦		♦		8,3	9,4	15,5	16,3				
160	40	50	85	♦		♦		7,5	8,4	13,2	13,8				
200	40	50	85	85	120	♦		7,0	7,7	11,6	12,1				
250	40	50	85	85	120	145	180	6,6	7,1	10,2	10,6	0,19	0,46	0,65	0,97
315	40	50	85	85	120	145	180	6,2	6,7	9,1	9,4				
400	40	50	85	85	120	145	180	5,9	6,2	8,2	8,5				
500	40	50	85	85	120	145	180	5,7	6,0	7,5	7,7				

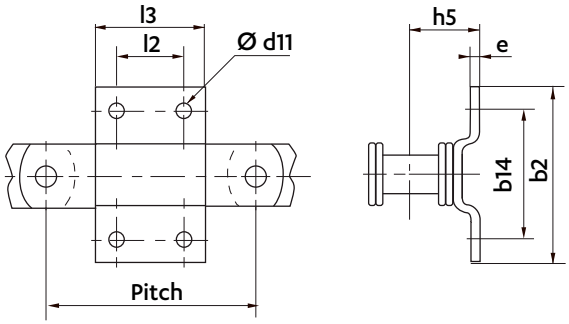
Despatch possible within 3 weeks ♦ Not standard : possible to make on request.

Intermediate pitches are on request

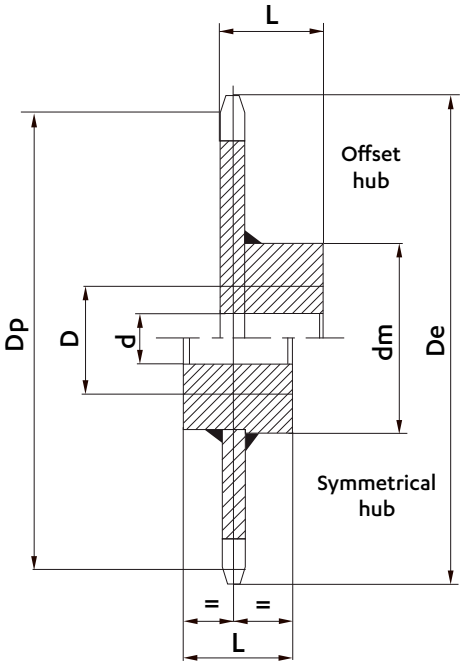
Dimensions in mm

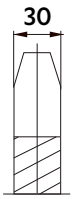
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
160	70	120	90	40	13	6	53	0,58
200	90			55				0,74

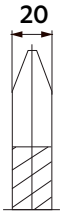


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

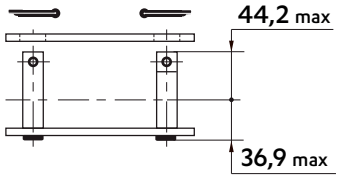
Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
160	8	418,09	442	30	100	200	100	48
	10	517,77	542	30	100	200	100	56
	12	618,19	645	40	120	230	120	78
	16	820,12	848	40	120	230	120	104
200	8	522,62	544	30	100	200	100	57
	10	647,22	672	40	120	230	120	82
	12	772,74	798	40	120	230	120	99
	16	1025,16	1050	40	140	260	140	145
250	8	653,27	676	40	120	230	120	83
	10	809,02	834	40	120	230	120	105
	12	965,92	992	40	140	260	140	140
	16	1281,45	1309	40	140	260	140	191
315	8	823,12	844	40	120	230	120	107
	10	1019,37	1045	40	140	260	140	161
	12	1217,06	1243	40	120	260	140	186
	16	1614,62	1643	50	160	260	160	228

Despatch possible within 2 weeks

CONNECTING LINKS

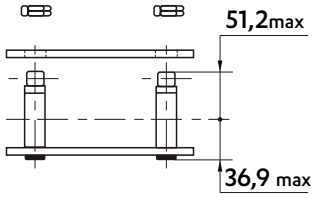
REF N° 208

Cottered connecting link



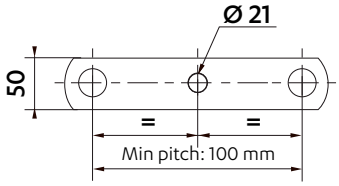
REF N° 209

Connecting link with self-locking nuts

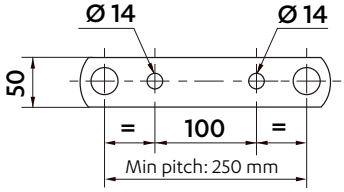


DRILLED PLATES

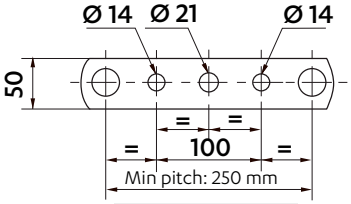
On outer and inner plates



1 HOLE



2 HOLES



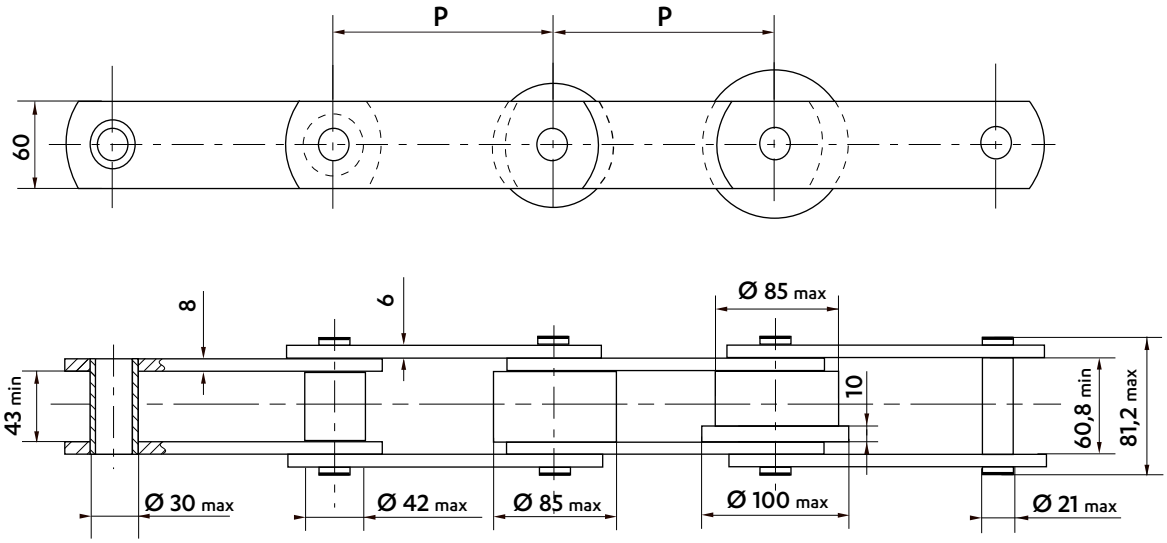
3 HOLES

NEW

BREAKING LOAD : 270 KN
WORKING SURFACE : 1 250 MM²
Pitches (P) : 125* / 160 / 200 / 250 / 315 / 400 / 500 / 630 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

ISO STANDARD CHAINS *1977* - M224

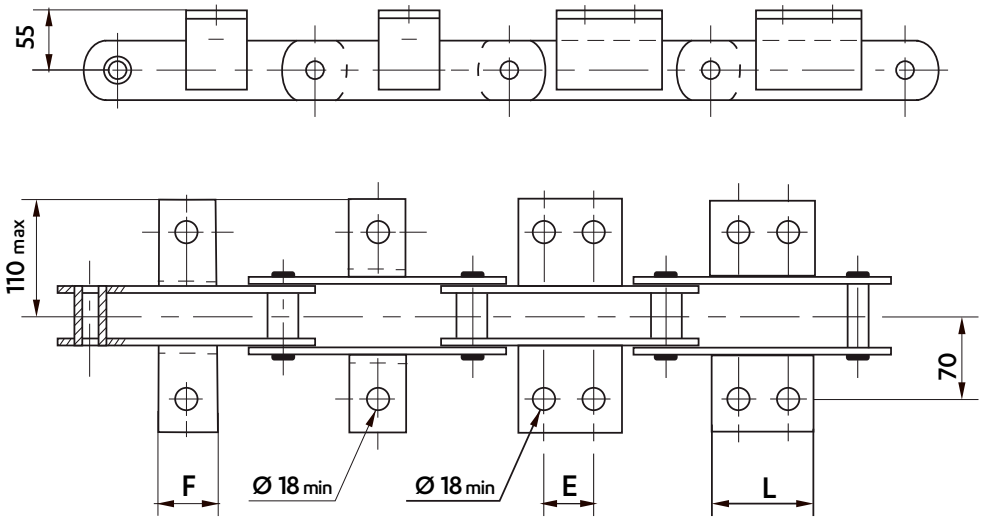
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *70 X 70 X 7*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
125	♦	♦		♦		♦		12,4	14,2	-	-	0,35	0,85	1,25	1,70
160	50	♦		♦		♦		11,2	12,5	21,0	22,4				
200	50	65	115	♦		♦		10,2	11,3	18,1	19,2				
250	50	65	115	125	170	♦		9,5	10,4	15,8	16,7				
315	50	65	115	125	170	190	235	8,9	9,6	13,9	14,6				
400	50	65	115	125	170	190	235	8,4	9,0	12,3	12,9				
500	50	65	115	125	170	190	235	8,0	8,5	11,2	11,7				
630	50	65	115	125	170	190	235	7,7	8,1	10,2	10,6				

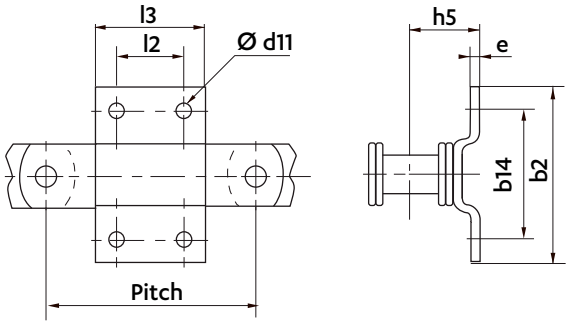
Despatch possible within 3 weeks ♦ Not standard : possible to make on request.

Intermediate pitches are on request

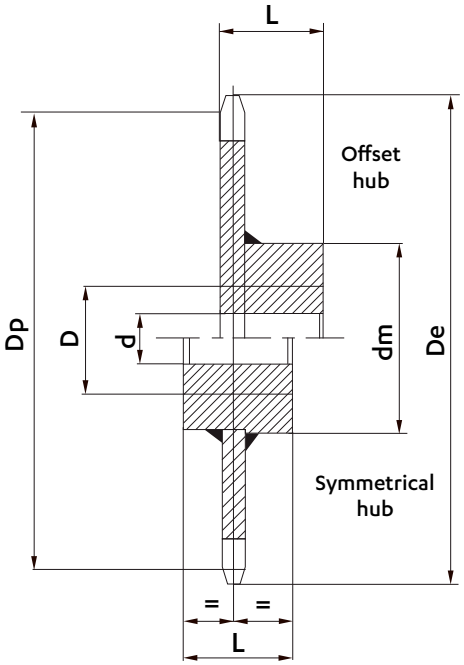
Dimensions in mm

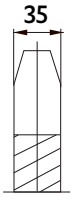
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
160	70	120	90	40	13	8	64	0,70
200	90			55				0,89

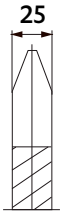


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

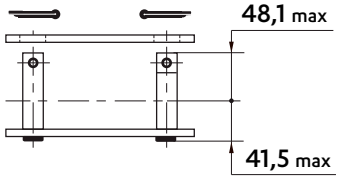
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
160	8	418,09	448	40	120	220	120	58
	10	517,77	548	40	120	220	120	79
	12	618,19	650	40	140	260	140	120
	16	820,12	854	40	140	260	140	143
200	8	522,62	550	40	120	220	120	80
	10	647,22	676	40	140	260	140	110
	12	772,74	804	40	140	260	140	130
	16	1025,16	1060	50	160	300	160	200
250	8	653,27	680	40	140	260	140	112
	10	809,02	840	40	140	260	140	138
	12	965,92	998	50	160	300	160	186
	16	1281,45	1316	50	160	300	180	248
315	8	823,12	850	40	140	260	140	144
	10	1019,37	1048	50	160	300	160	201
	12	1217,06	1249	50	160	300	160	245
	16	1614,62	1650	50	180	320	180	350

CONNECTING LINKS

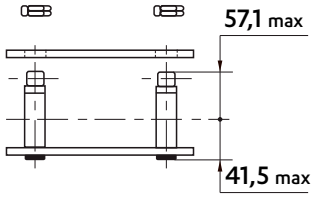
REF N° 208

Cottered connecting link



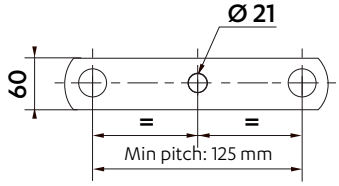
REF N° 209

Connecting link with self-locking nuts

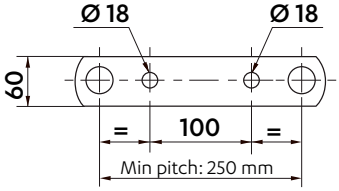


DRILLED PLATES

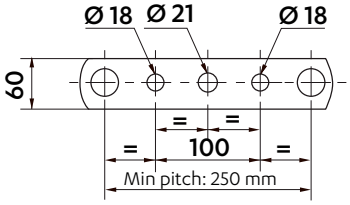
On outer and inner plates



1 HOLE



2 HOLES



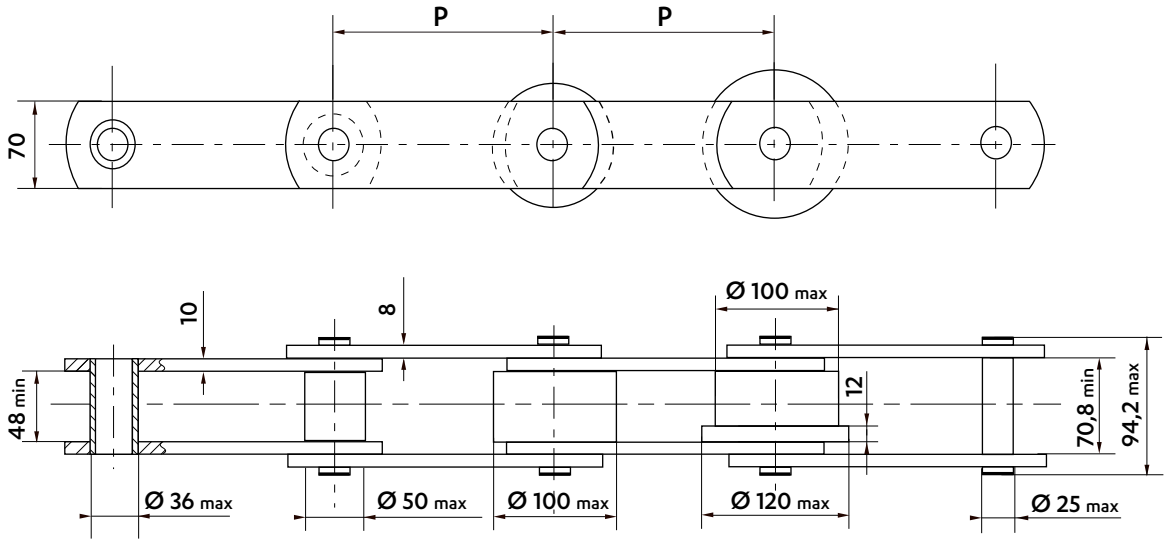
3 HOLES

NEW

BREAKING LOAD : 420 KN
WORKING SURFACE : 1 740 MM²
Pitches (P) : 160* / 200 / 250 / 315 / 400 / 500 / 630 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

ISO STANDARD CHAINS *1977* - M315

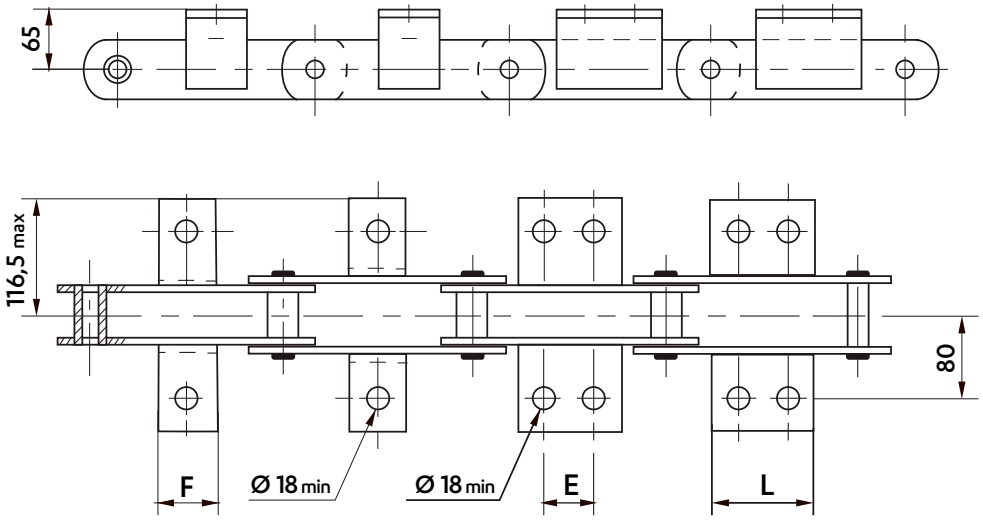
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *90 X 70 X 8*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
160	60	♦		♦		♦		17,3	19,4	-	-				
200	60	50	100	♦		♦		15,7	17,4	28,0	30,0				
250	60	50	100	100	150	155	205	14,6	16,0	24,4	26,0				
315	60	50	100	100	150	155	205	13,5	14,6	21,3	22,6	0,42	0,74	1,11	1,52
400	60	50	100	100	150	155	205	12,7	13,5	18,8	19,8				
500	60	50	100	100	150	155	205	12,0	12,7	17,0	17,8				
630	60	50	100	100	150	155	205	11,6	12,1	15,4	16,1				

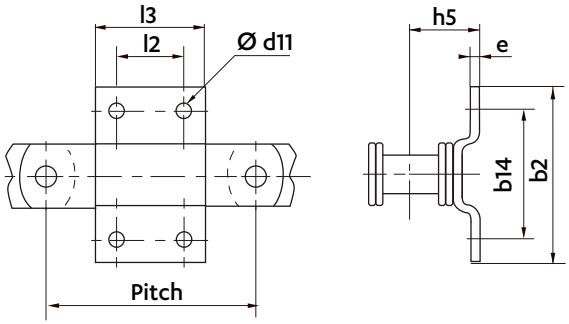
♦ Not standard : possible to make on request.

Intermediate pitches are on request

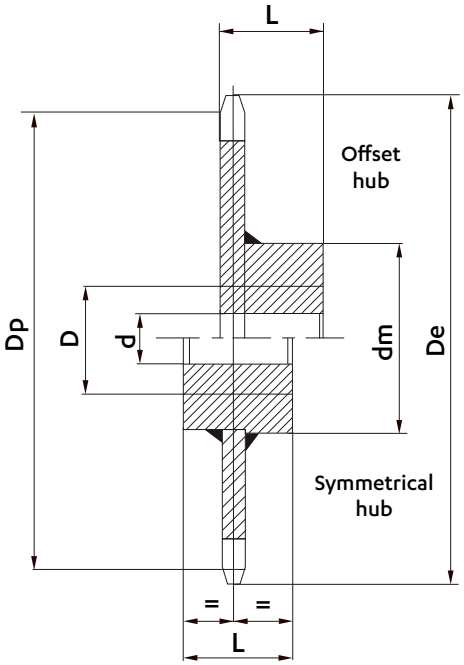
Dimensions in mm

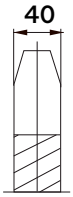
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
160	70	140	100	40	15	10	73	0,99
200	90			55				1,30
250	110			70				1,56

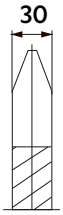


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

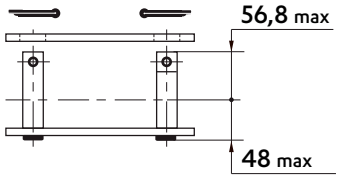
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
160	8	418,09	448	40	120	250	120	68
	10	517,77	554	40	120	250	120	90
	12	618,19	653	40	140	300	140	141
	16	820,12	860	40	140	300	140	177
200	8	522,62	552	40	120	250	120	91
	10	647,22	680	40	140	300	140	150
	12	772,74	807	40	140	300	140	165
	16	1025,16	1066	50	160	340	160	270
250	8	653,27	680	40	140	300	140	149
	10	809,02	843	40	140	300	140	173
	12	965,92	1003	50	160	340	160	239
	16	1281,45	1321	50	160	340	160	313
315	8	823,12	854	40	140	300	140	175
	10	1019,37	1053	50	160	340	160	255
	12	1217,06	1254	50	160	340	160	301
	16	1614,62	1654	50	180	360	180	436

CONNECTING LINKS

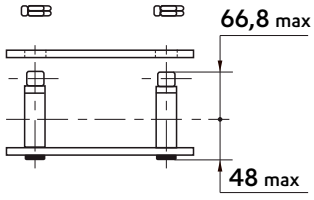
REF N° 208

Cottered connecting link



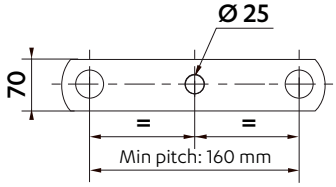
REF N° 209

Connecting link with self-locking nuts

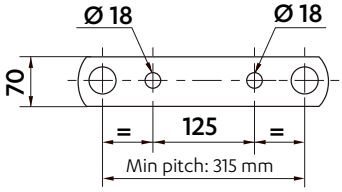


DRILLED PLATES

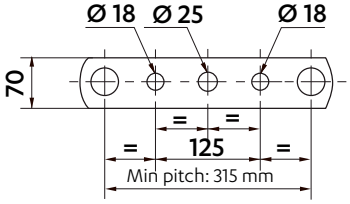
On outer and inner plates



1 HOLE



2 HOLES



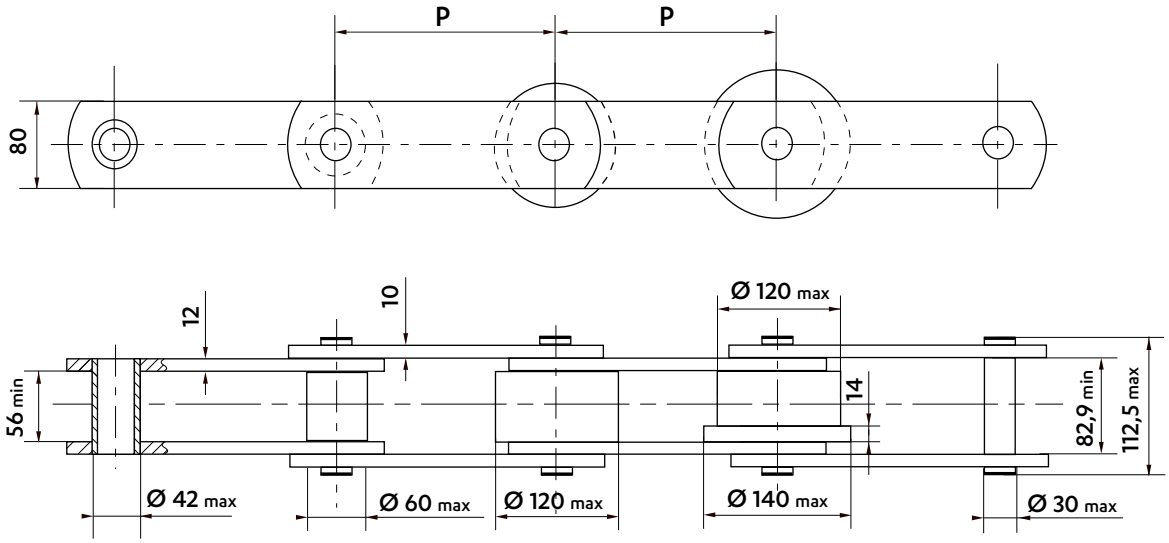
3 HOLES

NEW

BREAKING LOAD : 570 KN
WORKING SURFACE : 2 450 MM²
Pitches (P) : 200 / 250 / 315 / 400 / 500 / 630 mm
Intermediate pitches (P) on request

ISO STANDARD CHAINS *1977* - M450

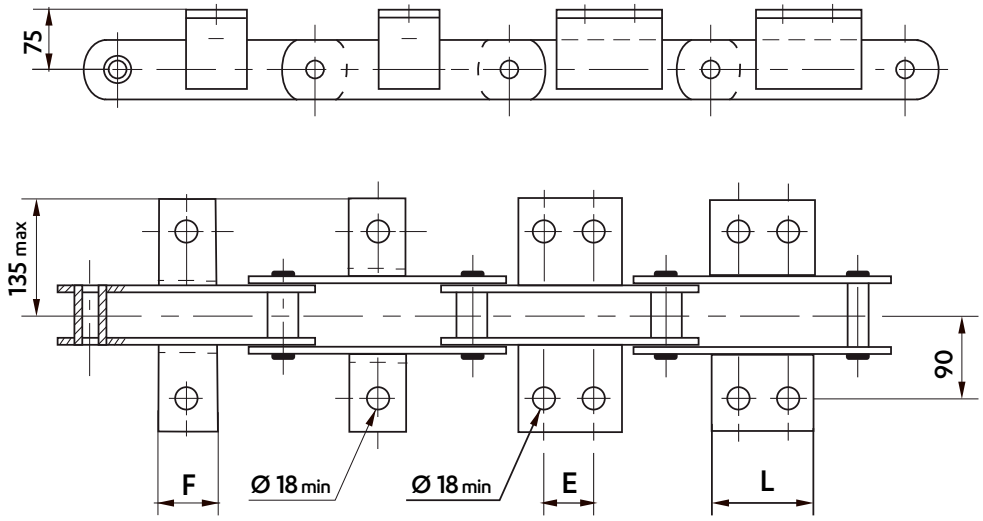
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *80 X 80 X 8*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
200	60	♦		♦		♦		22,2	25,3	43,9	47,4	0,62	1,33	1,94	2,77
250	60	85	135	♦		♦		20,6	23,6	41,6	45,1				
315	60	85	135	155	205	♦		19,1	22,1	40,1	43,6				
400	60	85	135	155	205	240	290	17,9	21,0	39,0	42,4				
500	60	85	135	155	205	240	290	17,2	20,3	38,2	41,7				
630	60	85	135	155	205	240	290	16,4	19,3	35,8	38,7				

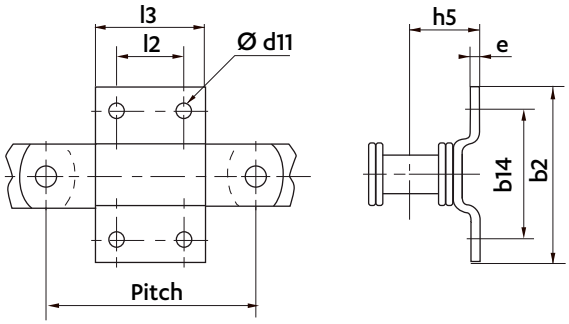
♦ Not standard : possible to make on request.

Intermediate pitches are on request

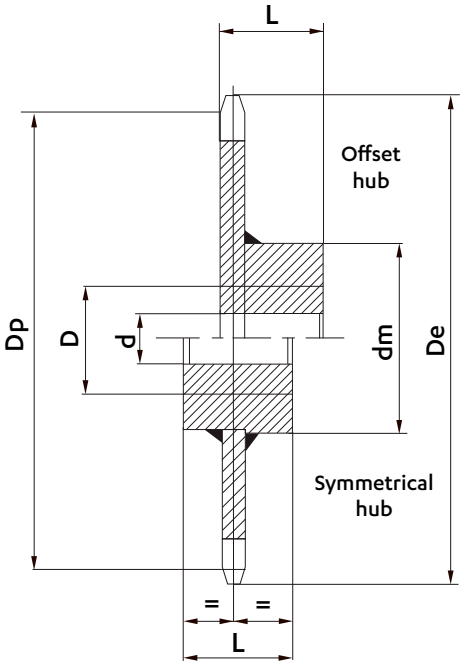
Dimensions in mm

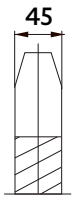
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
200	100	180	140	55	15	10	80	1,70
250	120			70				2,04
315	150			100				2,56

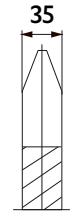


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

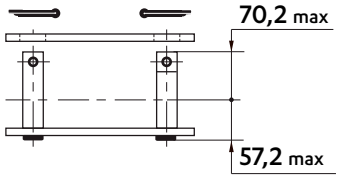
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
200	8	522,62	559	40	140	280	140	120
	10	647,22	686	50	160	320	160	185
	12	772,74	800	50	160	320	160	259
	16	1025,16	1060	50	180	380	180	338
250	8	653,27	689	50	160	320	160	193
	10	809,02	848	50	160	320	160	250
	12	965,92	987	50	180	380	180	323
	16	1281,45	1311	50	180	380	180	429
315	8	823,12	815	50	160	320	160	269
	10	1019,37	1059	50	180	380	180	334
	12	1217,06	1229	50	180	380	180	412
	16	1614,62	1638	60	200	460	200	757
400	8	823,12	1020	50	180	380	180	352
	10	1019,37	1334	50	180	380	180	526
	12	1217,06	1547	60	200	460	200	630

CONNECTING LINKS

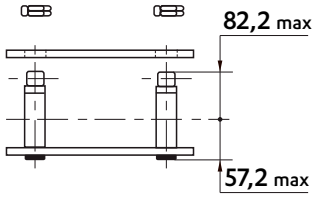
REF N° 208

Cottered connecting link



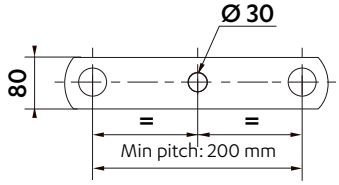
REF N° 209

Connecting link with self-locking nuts

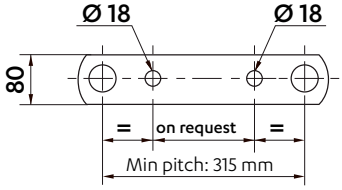


DRILLED PLATES

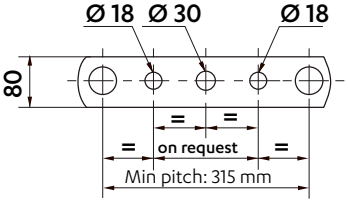
On outer and inner plates



1 HOLE



2 HOLES

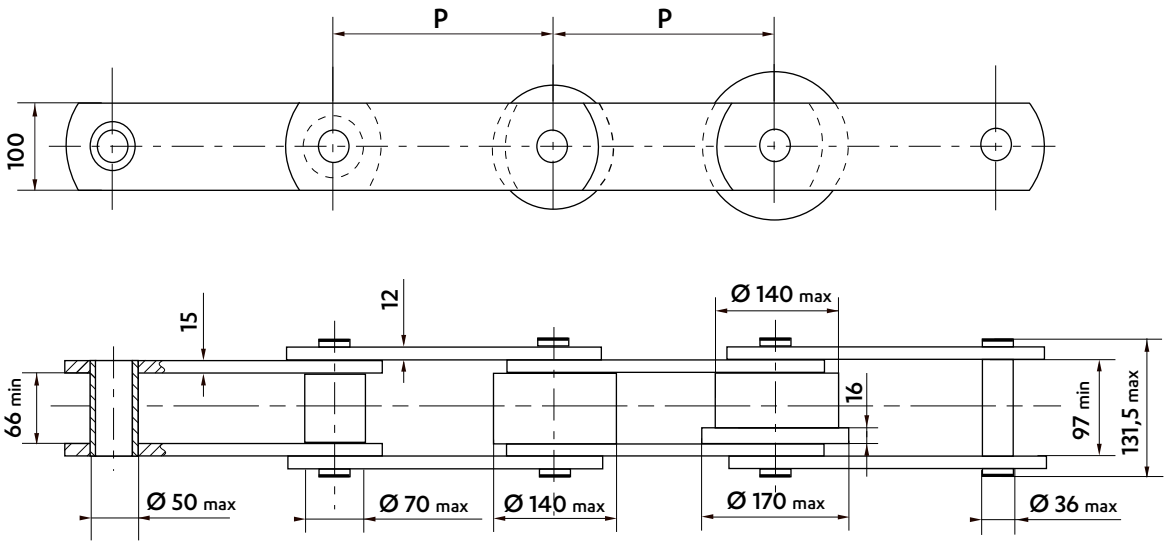


3 HOLES

ISO STANDARD CHAINS *1977* - M630

BREAKING LOAD : 630 KN
WORKING SURFACE : 3 340 MM²
Pitches (P) : 200 / 250 / 315 / 400 / 500 / 630 mm
Intermediate pitches (P) on request

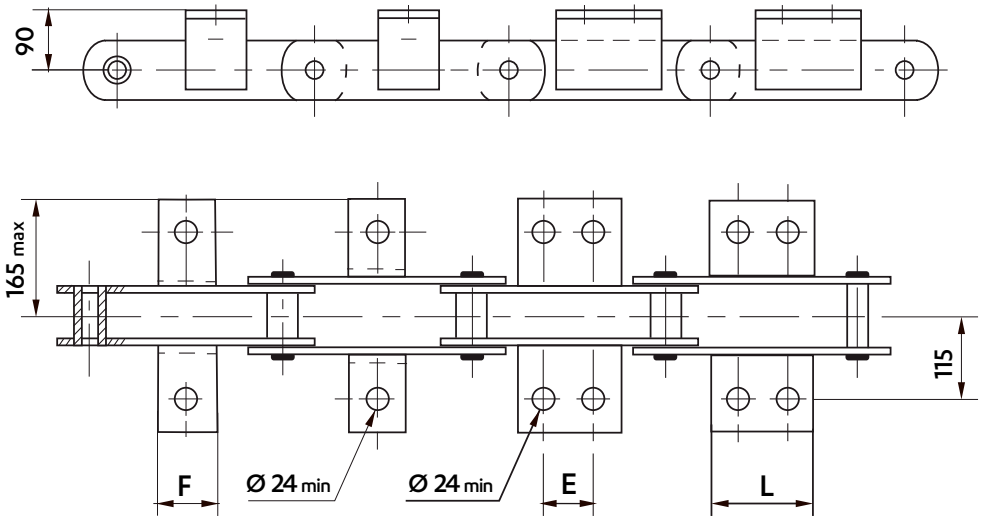
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *100 X 100 X 12*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
250	50	♦		♦		♦		34,9	39,2	60,5	65,6				
315	50	100	150	♦		♦		32,3	35,5	52,6	56,4				
400	50	100	150	190	240	♦		30,1	32,5	46,1	49,3	0,9	2,68	4,28	6,25
500	50	100	150	190	240	300	350	28,5	30,3	41,2	43,7				
630	50	100	150	190	240	300	350	27,2	28,6	37,2	39,2				

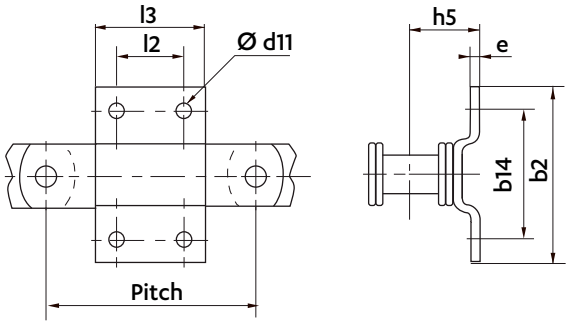
♦ Not standard : possible to make on request.

Intermediate pitches are on request

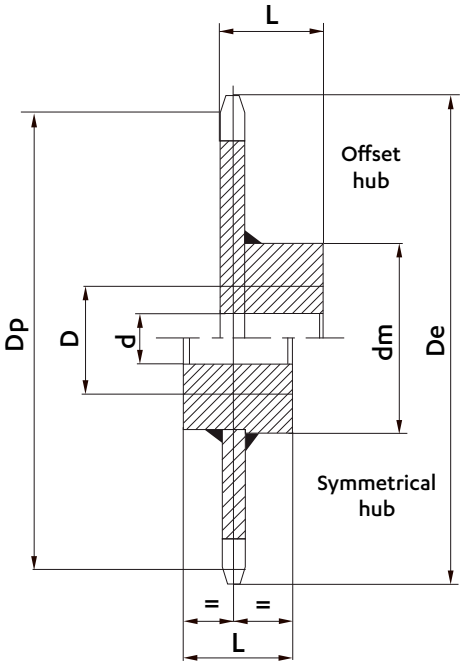
Dimensions in mm

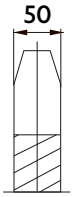
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
250	130	260	200	75	19	12	96	3,71
315	170			100				4,85

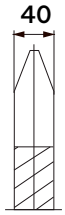


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

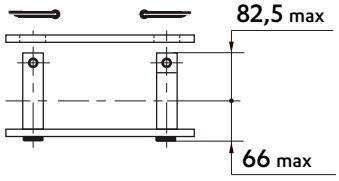
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
250	8	653,27	693	50	160	320	160	175
	10	809,02	849	50	160	320	160	240
	12	965,92	1006	50	180	380	180	352
	16	1281,45	1321	50	180	380	180	556
315	8	823,12	863	50	160	320	160	246
	10	1019,37	1059	50	180	380	180	383
	12	1217,06	1257	50	180	380	180	510
	16	1614,62	1654	50	200	460	200	890
400	8	1045,24	1085	50	180	380	180	398
	10	1294,44	1334	50	180	380	180	565
	12	1545,48	1585	50	200	460	200	228

CONNECTING LINKS

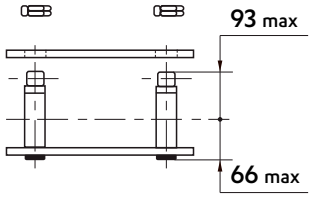
REF N° 208

Cottered connecting link



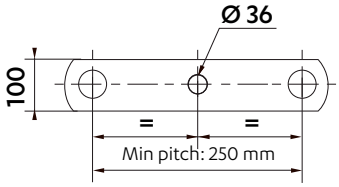
REF N° 209

Connecting link with self-locking nuts

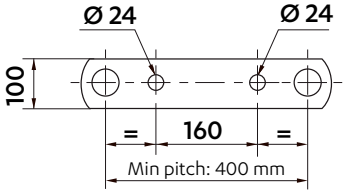


DRILLED PLATES

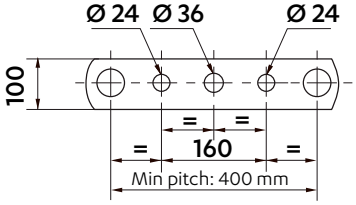
On outer and inner plates



1 HOLE



2 HOLES

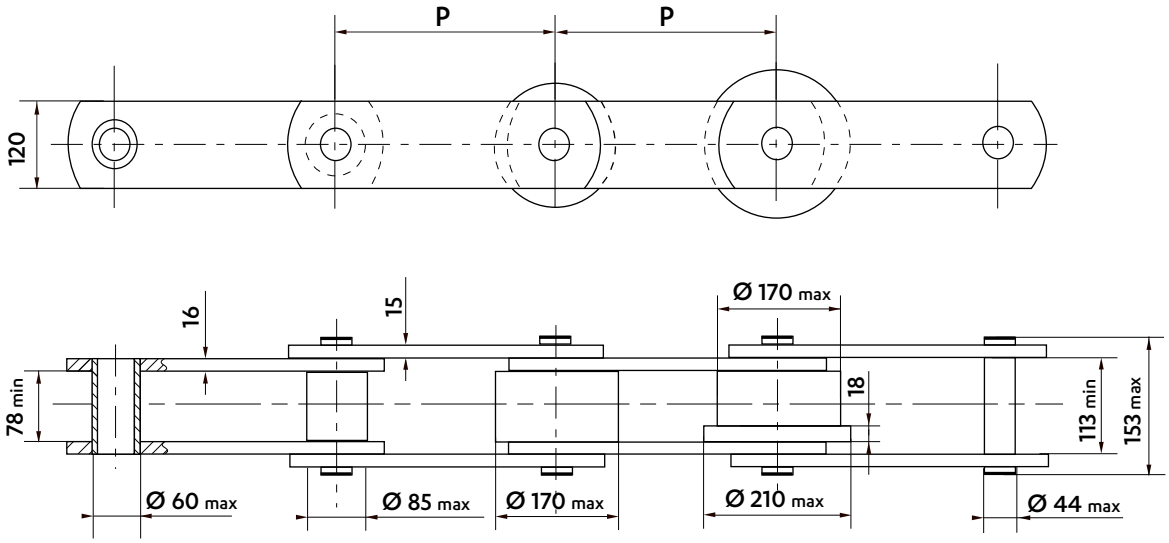


3 HOLES

ISO STANDARD CHAINS *1977* - M900

BREAKING LOAD : 900 KN
WORKING SURFACE : 4910 mm²
Pitches (P) : 200* / 250 / 315 / 400 / 500 / 630 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

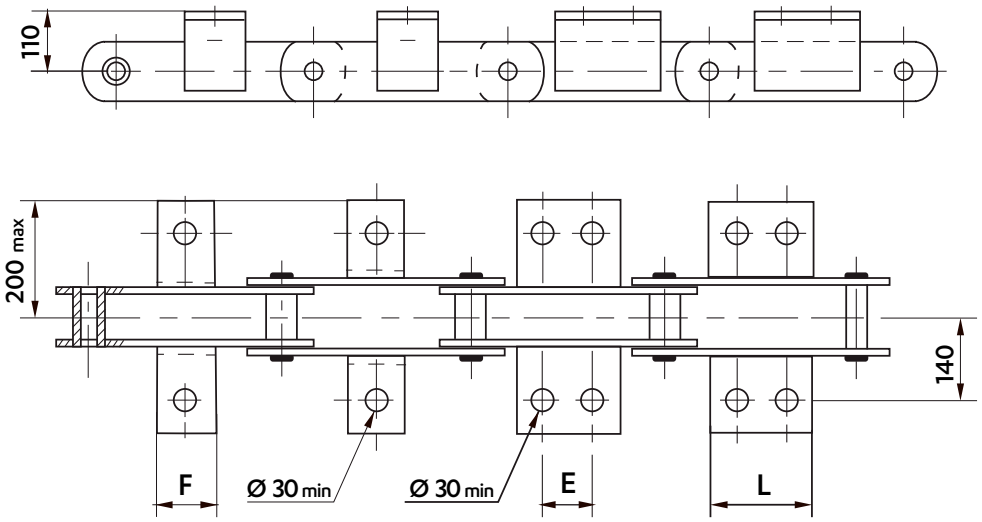
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *120 X 120 X 15*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
250	50	♦		♦		♦		51,5	58,5	97,4	105,2				
315	50	100	150	♦		♦		47,1	52,5	83,7	89,8				
400	50	100	150	190	240	♦		43,5	47,8	73,2	77,1	1,6	3,3	5,7	7,9
500	50	100	150	190	240	300	350	40,8	44,2	63,5	67,8				
630	50	100	150	190	240	300	350	38,6	41,3	57,.3	59,8				

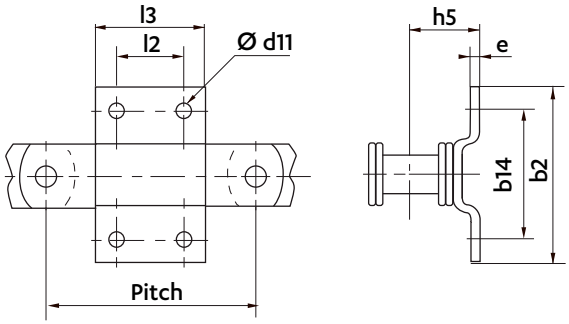
♦ Not standard : possible to make on request.

Intermediate pitches are on request

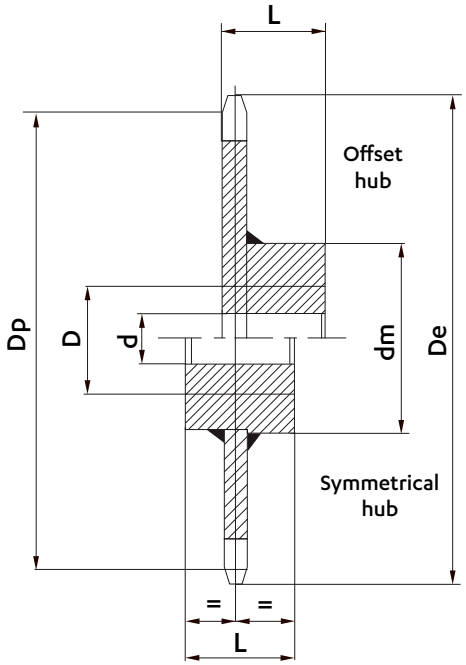
Dimensions in mm

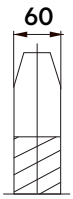
WELDED G ATTACHMENTS

Pitch	l3	b2	b14	l2	d11	e	h5	Weight (kg/p)
250	130	260	200	75	21	12	104	3,65
315	170			100				4,77

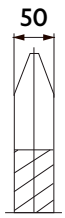


STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

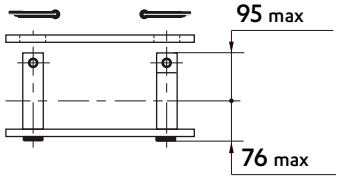
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
250	8	653,27	701	50	160	320	160	198
	10	809,02	857	50	160	320	160	278
	12	965,92	1014	50	180	380	180	406
	16	1281,45	1329	50	180	380	180	651
315	8	823,12	871	50	160	320	160	287
	10	1019,37	1067	50	180	380	180	443
	12	1217,06	1257	50	180	380	180	510
	16	1614,62	1662	60	200	460	200	719
400	8	1045,24	1093	50	180	380	180	461
	10	1294,44	1342	50	180	380	180	663
	12	1545,48	1593	50	200	460	200	964

CONNECTING LINKS

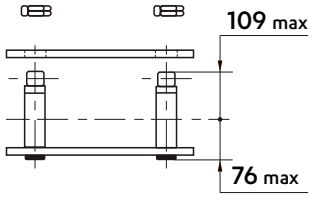
REF N° 208

Cottered connecting link



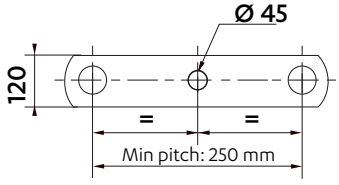
REF N° 209

Connecting link with self-locking nuts

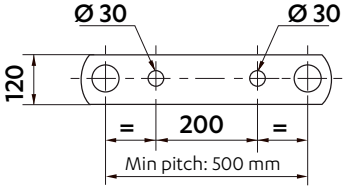


DRILLED PLATES

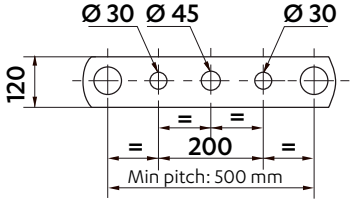
On outer and inner plates



1 HOLE



2 HOLES



3 HOLES

BS STANDARD CHAINS

NEW RANGE OF CONVEYOR CHAINS

NEW

FLANGED BUSHES

- increased **BREAKING LOADS**
- **SIDE GRIP** improved in heavy use
- correct **MESHING** of the chain in the sprockets

STEELS WITH HIGH MECHANICAL STRENGTH

- improved material **RESISTANCE & HARDNESS**
- increased **BREAKING LOADS**
- Better **WEAR RESISTANCE**
- longer **SERVICE LIFE**

REINFORCED RIVETING

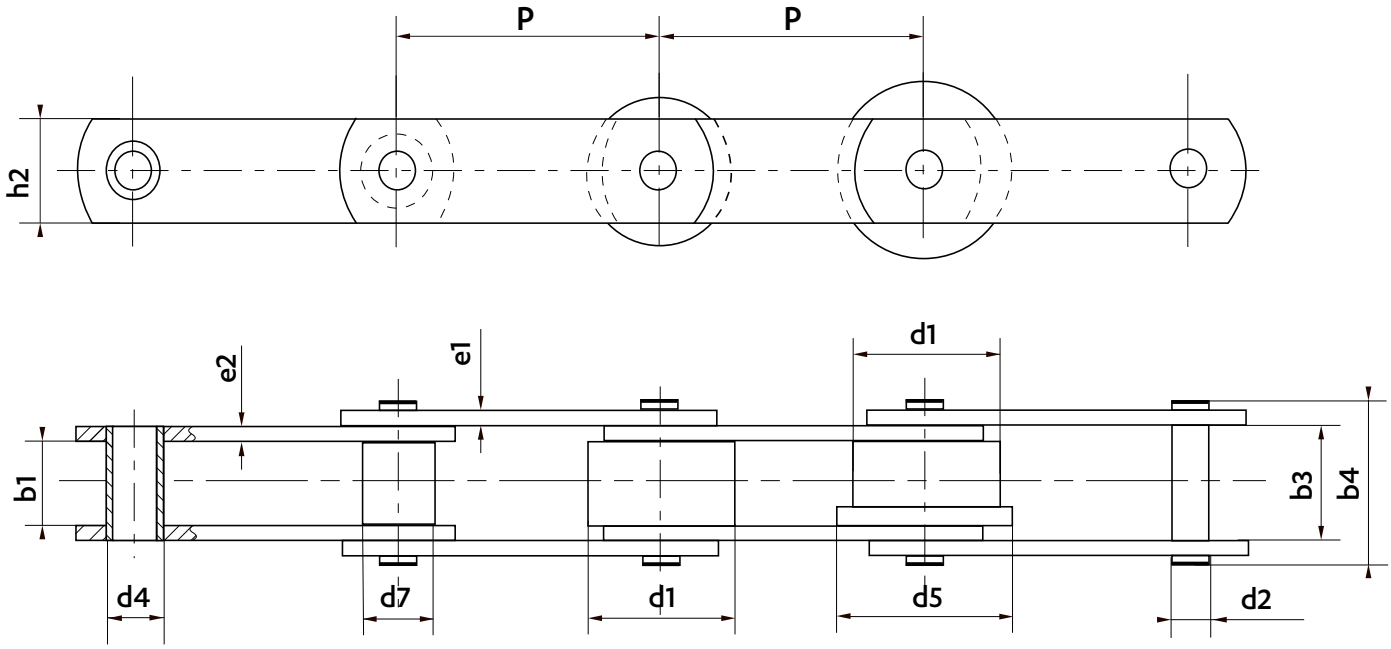
- **SIDE GRIP** improved in heavy use
- **REINFORCED RESISTANCE** to shocks et to misalignment
- longer **SERVICE LIFE**

Sedis references:

M **68** **F** **100**

CHAIN TYPE	BREAKING LOAD	ARTICULATION TYPE	CHAIN PITCH
M SOLID PIN CONVEYOR CHAINS ***MC*** HOLLOW PIN CONVEYOR CHAINS ***MD*** DEEP LINK CONVEYOR CHAINS ***MR*** SCRAPER CONVEYOR CHAINS	Min UTS of the chain (in kN) according to the BS standard Ex: 68 kN	***B*** BUSH CHAIN ***S*** SMALL ROLLER CHAIN ***P*** CHAIN WITH PLAIN TREATED WHEELS ***F*** CHAIN WITH FLANGED TREATED WHEELS	P in mm Ex: 100mm

Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types d'articulations*
B	**S**	**P**	**F**	

NEW

Chain ref.	Pitch (intermediate pitches on request)	PLATES			Pin Ø	ARTICULATION				WIDTH			Standardized breaking load	SEDIS new range breaking load
	50 60 75 100 125 135 150 160 175 200 250 315	Height	Thickness			Bush Ø	Roller Ø	Wheel Ø	Flanged wheel Ø	between inner plates	between outer plates	over riveted pins		
		h2	e1	e2	d2	d4	d7	d1	d5	b1	b3	b4	Rr min.	Rr min.
		nom.	nom.	nom.	max.	max.	max.	max.	max.	min.	min.	max.	kN	kN
M 22		20	3	3	7,94	11,58	18	25	32	16	23	32,8	20	20
M 35 (ZM34)		25 *	4	4	14	18,4	25	31,9	42	15,2	25,3	38,2	34	34
M 68 (ZM68)	♦	40	5	5	19	23,7	32	48	60	19	31,6	48,5	68	90
M 100	♦	40	5	7	19	26	32	48	60	21	37	53,4	100	120
M 200*	203,2	50	6	8	24	32	48	70	90	26	46	65	200	200
M 270	♦ 254	60	8	8	28	38	55	90	115	38	58	81	270	330
M 400	252,4	70	10	12	29,05	38	60	100	127	38	66	94	400	490

Feasible — Despatch possible within 3 weeks — ♦ The chains with these pitches can only be made with bushes (B) and small rollers (S)

** Plates' height is 27mm for stainless steel version*
** The M140 chain has been removed and replaced by the M200 chain*

BS STANDARD CONVEYOR CHAINS CAN BE MADE WITH :

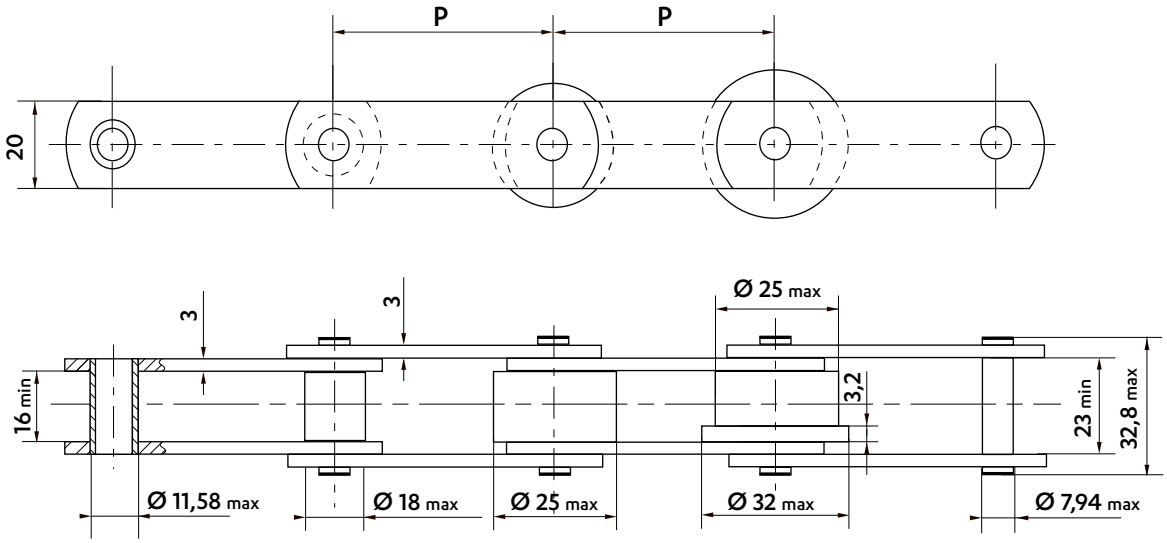
DELTA® PINS	ANTI-CORROSION COATINGS	VERTE CHAIN
ANTI-WEAR		MAINTENANCE-FREE

Further information on pages 19 to 21.

BS STANDARD CHAINS - *M22*

BREAKING LOAD : 20 KN
WORKING SURFACE : 170 MM²
Pitches (P) : 50 / 75 / 100 / 125 mm
Intermediate pitches (P) on request

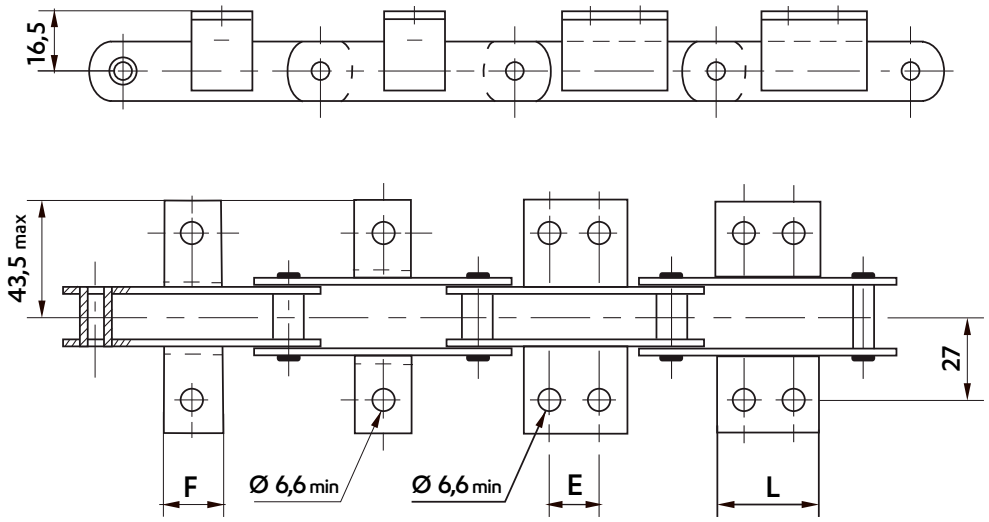
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *25 X 25 X 3*



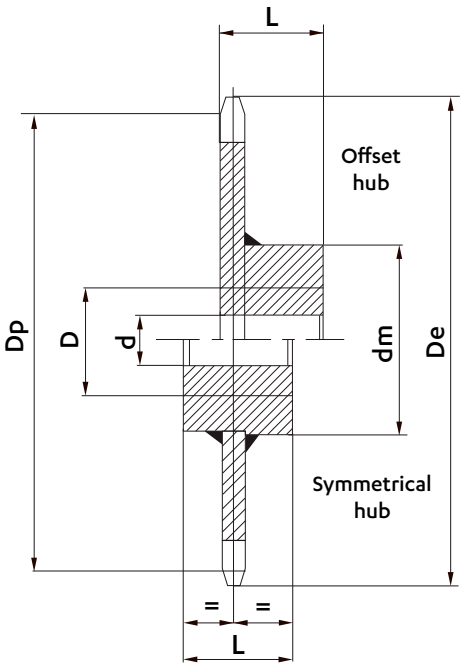
Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

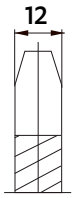
Pitch	Attachment dimensions (mm)					Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)		
	K1	K2C		K2M								
	F	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M
50	-	-	-	-	-	2,0	2,4	2,9	3,0	0,04	0,05	0,05
75	30	20	40	-	-	1,7	2,0	2,3	2,4			
100	30	20	40	-	-	1,5	1,6	1,9	2,0			
125	30	20	40	50	70	1,4	1,5	1,8	1,8			

Intermediate pitches are on request

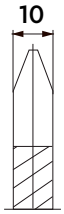
Dimensions in mm

STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

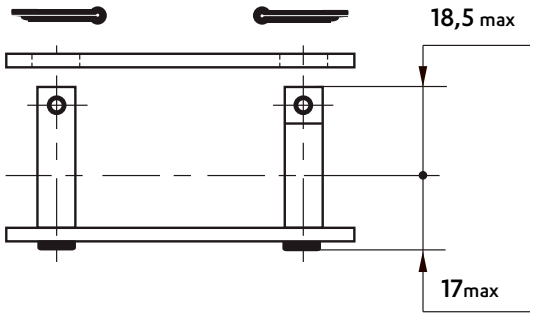
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
50	8	130,65	140	24	50	80	50	3
	10	161,80	168					4
	12	193,18	203					5
75	8	195,98	206	24	50	80	50	6
	10	242,71	252				60	8
	12	289,78	299				70	10
100	8	261,31	271	24	50	80	70	9
	10	323,61	333					13
	12	386,37	396				80	16
125	8	226,64	336	24	50	80	70	12
	10	404,51	414					17
	12	482,96	492				80	21

CONNECTING LINKS

REF N° 208

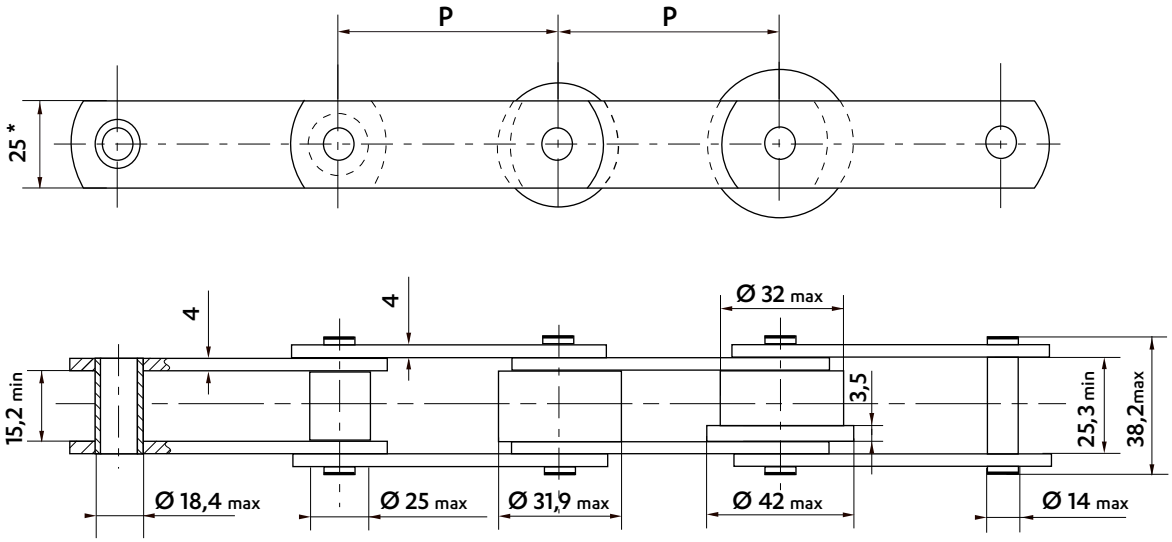
Cottered connecting link



BS STANDARD CHAINS - *M35 (ZM 34)*

BREAKING LOAD : 34 KN
WORKING SURFACE : 350 MM²
Pitches (P) : 50 / 60 / 75 / 100 / 125 / 135 /150 / 160 / 175 / 200 mm
Intermediate pitches (P) on request

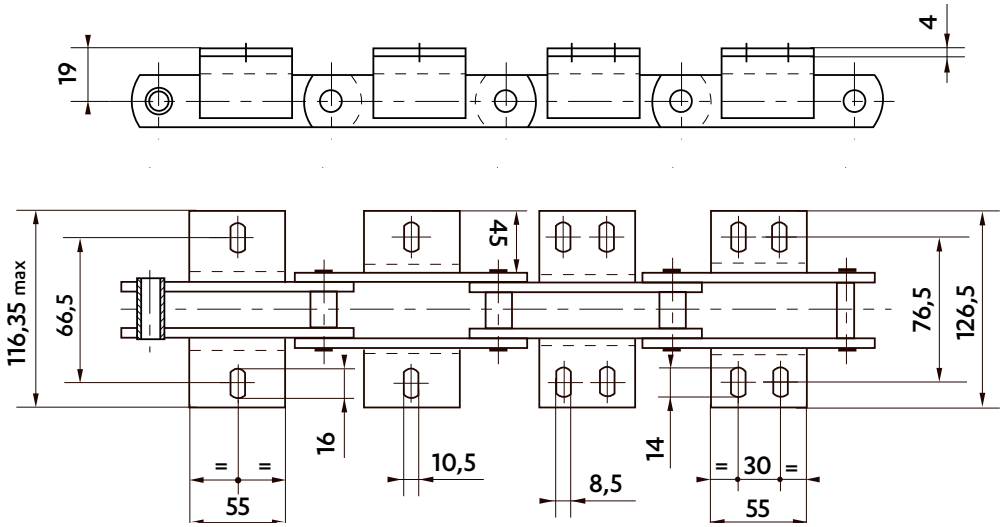
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.
** Plates' height is 27mm for stainless steel version*

WELDED K1 & K2 ATTACHMENTS - *45 X 30 X 4*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)	
	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2
50	3,4	3,9	4,7	4,9	-	-
50,8	3,4	3,9	4,6	4,9	-	-
60	3,3	3,6	4,4	4,5	-	-
63,5	3,2	3,6	4,2	4,4	-	-
75	3,0	3,4	3,8	4,0	-	-
76,2	3,0	3,3	3,8	4,0	-	-
88,9	2,9	3,2	3,6	3,8	0,11	0,11
100	2,8	3,1	3,4	3,6	0,11	0,11
101,6	2,8	3,1	3,4	3,6		
125	2,7	2,9	3,2	3,3		
127	2,7	2,9	3,2	3,3	0,11	0,11
150	2,5	2,7	2,9	3,0		
200	2,3	2,5	2,6	2,7		

Despatch possible within 3 weeks

Intermediate pitches are on request

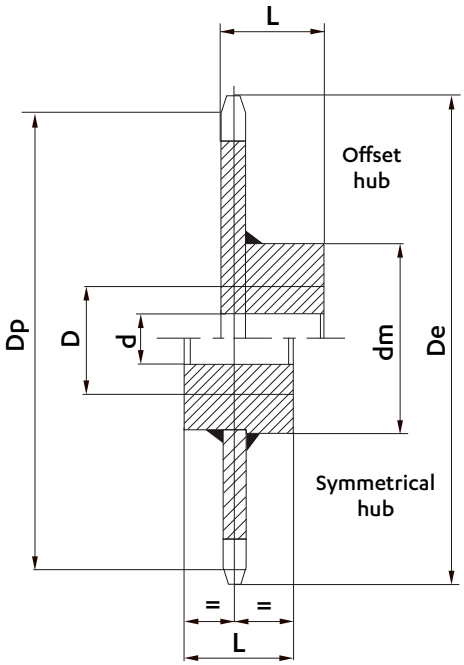
Dimensions in mm

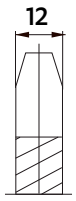
STANDARD CHAIN WHEELS

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

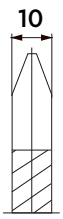
We can make on request:

- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**





For plain wheels



For flanged wheels

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
50**	8	130,66	145	25	35	70	40	2
	10	161,80	177	30	50	100	40	4
	12	193,19	208	30	50	100	50	5
50,8**	8	132,75	147	25	35	70	40	2
	10	164,39	179	30	50	100	50	4
	12	196,28	211	30	35	100	50	5
60	8	156,79	172	25	50	100	50	4
	10	194,16	209	30	50	100	50	6
	12	231,82	247	30	60	115	65	8
63,5	8	165,93	181	25	50	100	50	4
	10	205,49	220	30	50	100	50	6
	12	245,35	260	30	60	115	65	8
75	8	195,98	211	25	50	100	50	6
	10	242,71	257	30	60	115	65	8
	12	289,78	304	30	60	115	65	11
76,2	8	199,12	214	25	50	100	50	6
	10	246,59	261	30	60	115	65	8
	12	294,41	309	30	60	115	65	11
88,9	8	232,31	247	25	50	100	50	8
	10	287,69	302	30	60	115	65	10
	12	343,48	358	30	60	115	65	14
100	8	261,31	276	30	60	115	65	9
	10	323,61	338	30	60	115	65	12
	12	386,37	401	30	70	120	75	16
101,6	8	265,49	280	30	60	115	65	9
	10	328,78	344	30	60	115	65	12
	12	392,55	407	30	70	200	75	16
125*	8*	326,64*	341	30	60	115	65	13
	10	404,51	419	30	60	115	65	18
	12	482,96	498	30	70	120	75	23
127*	8	331,87	347	30	60	115	65	13
	10	410,98	426	30	60	115	65	18
	12	490,69	505	30	70	120	75	23

Despatch possible within 2 weeks

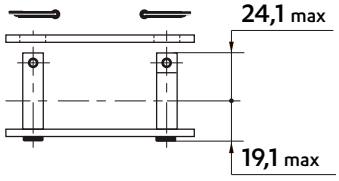
* : For chain wheels meshing with chains fitted with K attachment plates, the outside diameter of the wheel must be reduced:
- De = 337 for an 8 tooth wheel, 125mm pitch
- De = 330 for an 8 tooth wheel, 127mm pitch

** : 50mm pitch wheels cannot be used with chains with flanged wheels.

CONNECTING LINKS

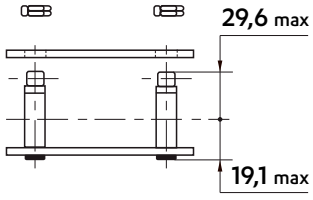
REF N° 208

Cottered connecting link



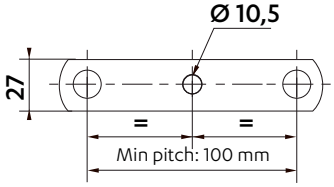
REF N° 209

Connecting link with self-locking nuts

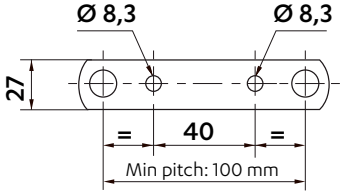


DRILLED PLATES

On outer and inner plates



1 HOLE



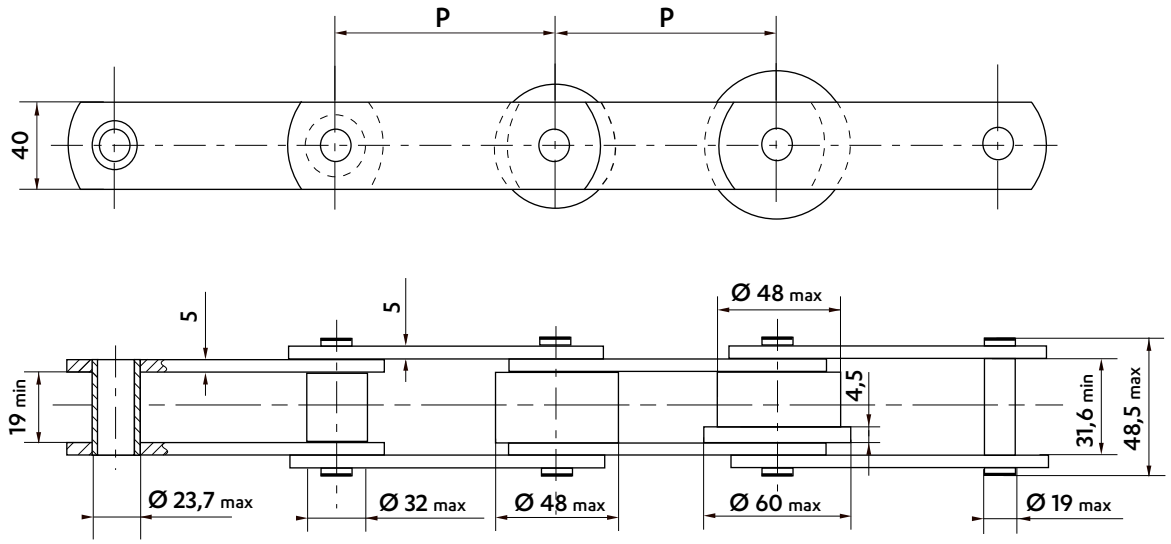
2 HOLES

NEW

BREAKING LOAD : 90 KN
WORKING SURFACE : 580 MM²
Pitches (P) : 75* / 100 / 125 / 135 / 150 / 160 / 175 / 200 / 250 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

BS STANDARD CHAINS - *M68 (ZM 68)*

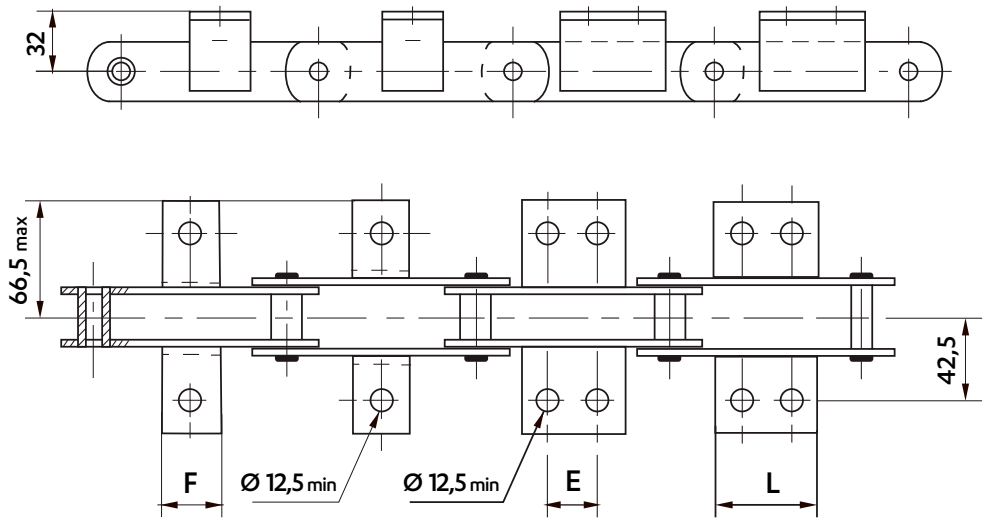
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *45 X 45 X 4,5*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
75	♦		♦		♦		♦	4,4	5,1	7,0	-	0,18	0,28	0,28	0,43
76,2	♦		♦		♦		♦	4,4	5,1	7,0	-				
88,9	♦		♦		♦		♦	4,1	4,7	6,3	6,9				
100 ♦	45	32	55		♦		♦	4,0	4,5	6,0	6,5				
101,6 ♦	45	32	55		♦		♦	4,0	4,5	6,0	6,4				
125	45	32	55		♦		♦	3,8	4,2	5,4	5,8				
127	45	32	55		♦		♦	3,8	4,4	5,4	5,7				
150	45	32	55	58	85		♦	3,6	4,0	4,9	5,2				
152,4	45	32	55	58	85		♦	3,6	3,9	4,9	5,2				
175	45	32	55	58	85	90	118	3,5	3,7	4,6	5,0				
200	45	32	55	58	85	90	118	3,4	3,6	4,3	4,7				
250	45	32	55	58	85	90	118	3,3	3,4	3,9	4,2				

♦ Not standard : possible to make on request.

Intermediate pitches are on request

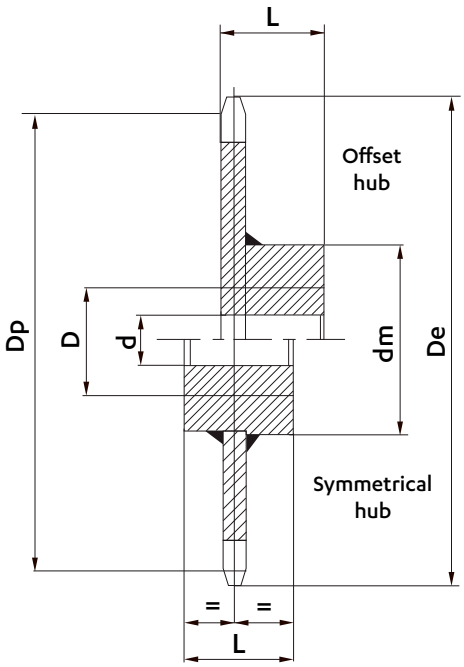
Dimensions in mm

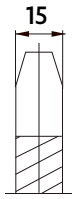
STANDARD CHAIN WHEELS

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

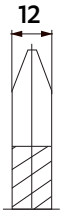
We can make on request:

- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**





For plain wheels



For flanged wheels

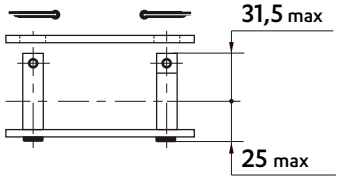
Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
75	8	195,98	215	25	50			7
	10	242,71	262	30	60	120	80	9
	12	289,78	309	30	60			14
76,2	8	199,12	218	25	50			7
	10	246,59	266	30	60	120	80	9
	12	294,41	313	30	60			14
88,9	8	232,31	251	25	50			9
	10	287,69	307	30	60	120	80	12
	12	343,48	362	30	60			17
100	8	261,31	280	30	60			11
	10	323,61	343	30	60	120	80	15
	12	386,37	405	30	70			20
101,6	8	265,49	284	30	60			11
	10	328,78	348	30	60	120	80	15
	12	392,55	412	30	70			20
125	8	326,64	346	30	60			16
	10	404,51	423	30	60	120	80	22
	12	482,96	502	30	70			29
127	8	331,87	351	30	60			16
	10	410,98	430	30	60	120	80	22
	12	490,69	510	30	70			29
150	8	391,97	411	30	70			22
	10	485,41	504	30	70	120	80	30
	12	579,56	599	40	70			39
152,4	8	398,24	417	30	70			22
	10	493,18	512	30	70	120	80	30
	12	588,83	608	40	70			39
175 200 250	CONSULT US							

Despatch possible within 2 weeks

CONNECTING LINKS

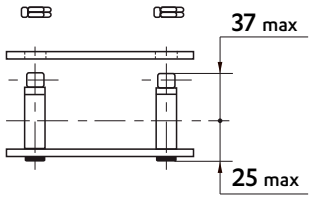
REF N° 208

Cottered connecting link



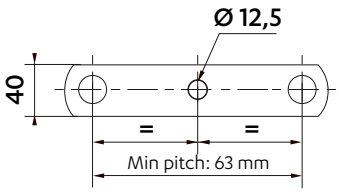
REF N° 209

Connecting link with self-locking nuts

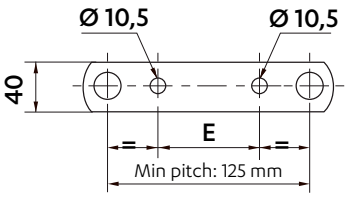


DRILLED PLATES

On outer and inner plates

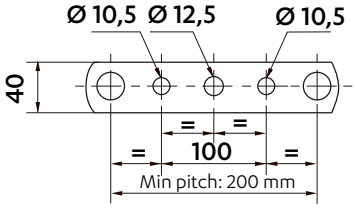


1 HOLE



2 HOLES

125mm pitch : E = 35 mm
150mm pitch : E = 60 mm
160mm pitch : E = 80 mm



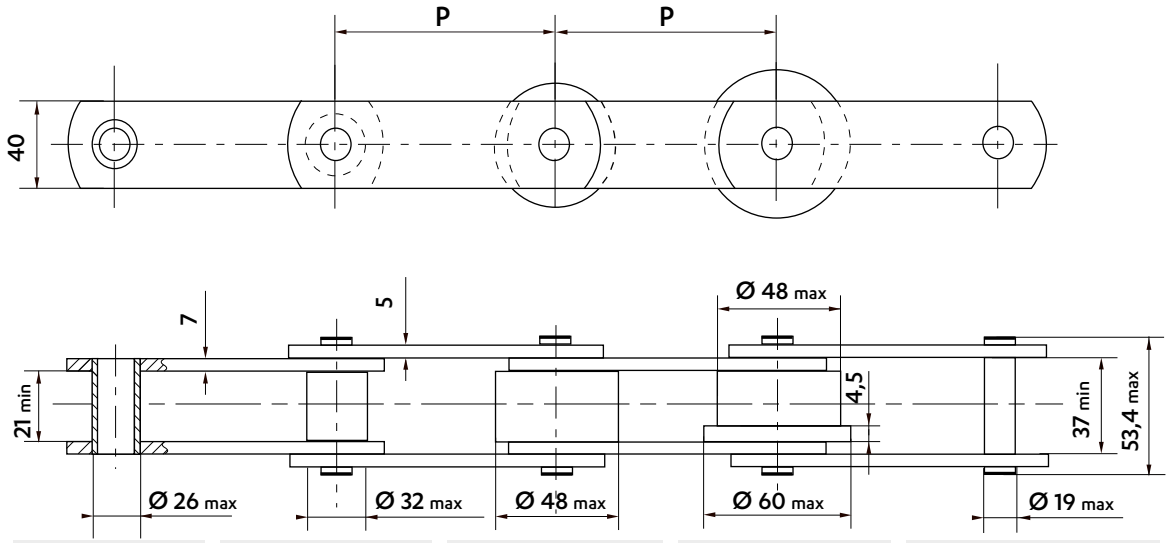
3 HOLES

NEW

BREAKING LOAD : 120 KN
WORKING SURFACE : 680 MM²
Pitches (P) : 75* / 100 / 125 / 135 / 150 / 160 / 175 / 200 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

BS STANDARD CHAINS - *M100*

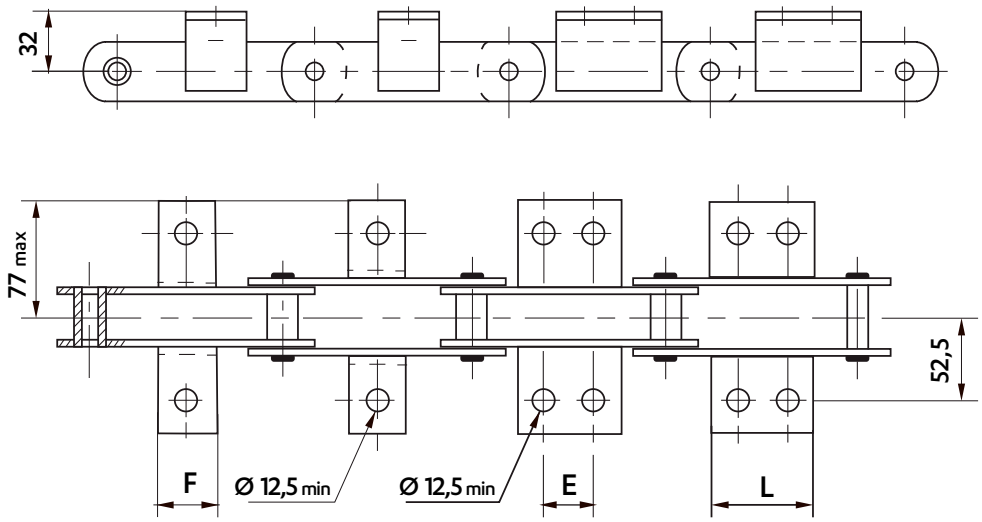
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *50 X 50 X 5*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
75	♦	♦		♦		♦		8,5	9,1	11,1	-				
76,2	♦	♦		♦		♦		8,5	9,0	11,1	11,7				
88,9	♦	♦		♦		♦		8,1	8,6	10,3	10,8				
100 *	45	♦		♦		♦		7,7	8,1	9,7	10,1				
101,6 *	45	♦		♦		♦		7,6	8,0	9,5	10,0				
125	45	32	55	♦		♦		6,9	7,2	8,5	8,9	0,18	0,18	0,21	0,21
127	45	32	55	♦		♦		6,9	7,2	8,4	8,8				
150	45	32	55	100	140	♦		6,4	6,7	7,7	8,0				
152,4	45	32	55	100	140	♦		6,4	6,7	7,7	8,0				
200	45	32	55	100	140	100	140	5,8	6,0	6,8	6,9				

Despatch possible within 3 weeks ♦ Not standard : possible to make on request. * These pitches allow mounting of K2 attachments only on outer links

Intermediate pitches are on request

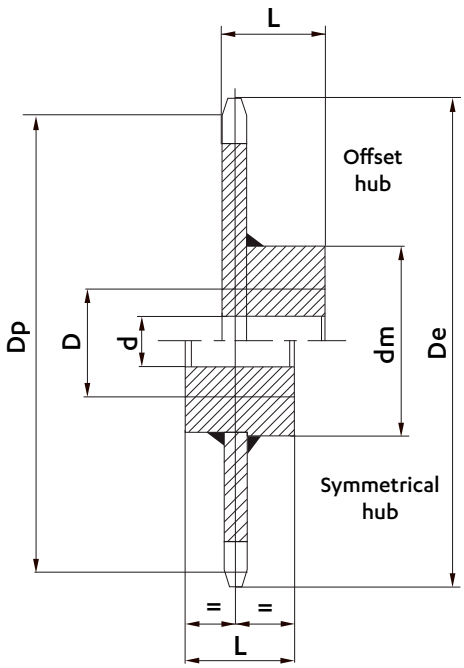
Dimensions in mm

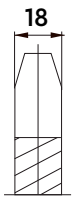
STANDARD CHAIN WHEELS

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

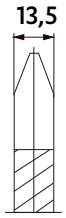
We can make on request:

- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**





For plain wheels



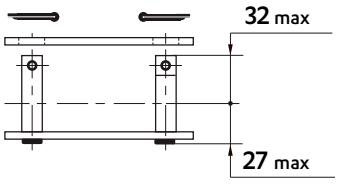
For flanged wheels

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
75	8	195,98	217	25	50	100	50	7
	10	242,71	264	30	60	115	65	9
	12	289,78	311	30	60	115	65	14
76,2	8	199,12	220	25	50	100	50	7
	10	246,59	267	30	60	115	65	9
	12	294,41	315	30	60	115	65	14
88,9	8	232,31	253	25	50	100	50	9
	10	287,69	308	30	60	115	65	12
	12	343,48	364	30	60	115	65	17
100	8	261,31	282	30	60	120	80	11
	10	323,61	344	30	60	120	80	15
	12	386,37	407	30	70	120	80	20
101,6	8	265,49	286	30	60	115	65	11
	10	328,78	350	30	60	115	65	15
	12	392,55	413	30	70	120	80	20
125	8	326,64	347	30	60	120	80	16
	10	404,51	425	30	60	120	80	22
	12	482,96	504	30	70	120	80	29
127	8	331,87	353	30	60	120	80	16
	10	410,98	432	30	60	120	80	22
	12	490,69	511	30	70	120	80	29
150	8	391,97	413	30	70	120	80	22
	10	485,41	506	30	70	120	80	30
	12	579,56	600	40	70	120	80	39
152,4	8	398,24	419	30	70	120	80	22
	10	493,18	514	30	70	120	80	30
	12	588,83	610	30	70	120	80	39
200	8	522,63	544	30	70	120	8	34
	10	647,21	668	30	70	120	80	44
	12	772,74	794	30	70	120	80	55
175 250	CONSULT US							

CONNECTING LINKS

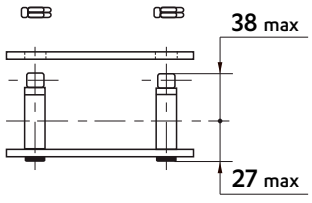
REF N° 208

Cottered connecting link



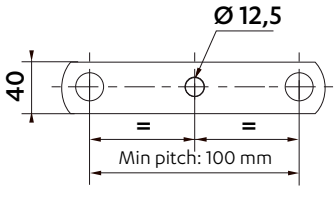
REF N° 209

Connecting link with self-locking nuts

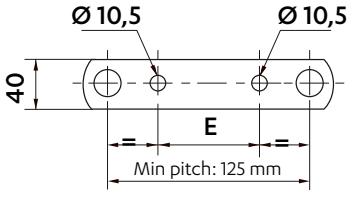


DRILLED PLATES

On outer and inner plates

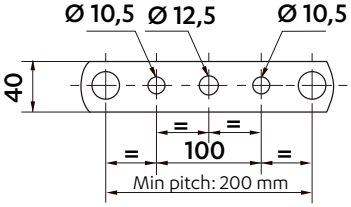


1 HOLE



2 HOLES

125mm pitch : E = 35 mm
150mm pitch : E = 60 mm
160mm pitch : E = 80 mm

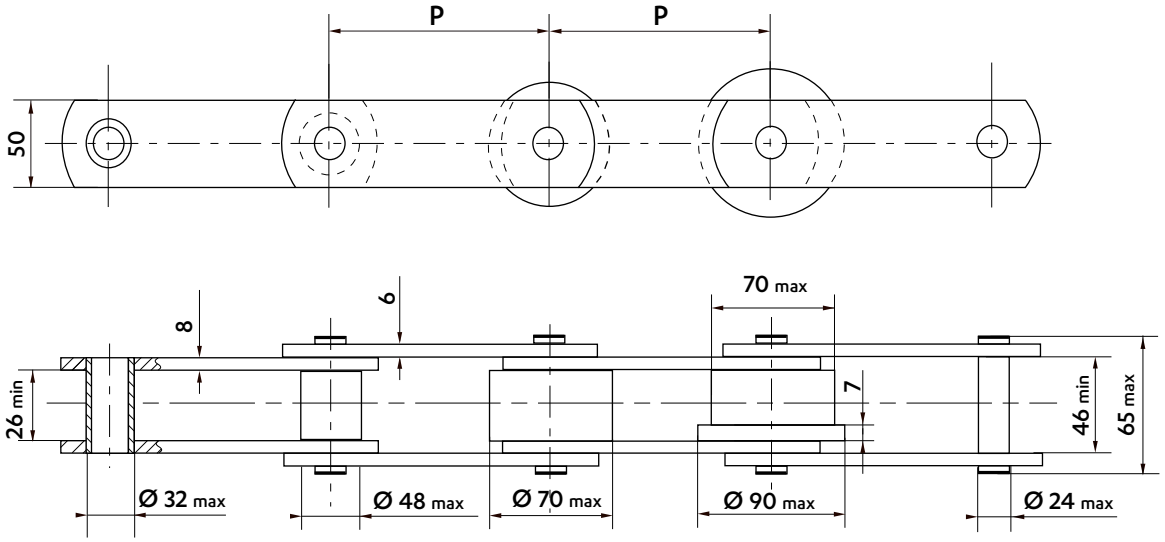


3 HOLES

BS STANDARD CHAINS - *M200*

BREAKING LOAD : 200 KN
WORKING SURFACE : 1 040 MM²
Pitches (P) : 100 / 125 / 135 / 150 / 160 / 175 / 200 / 203,2 mm
Intermediate pitches (P) on request

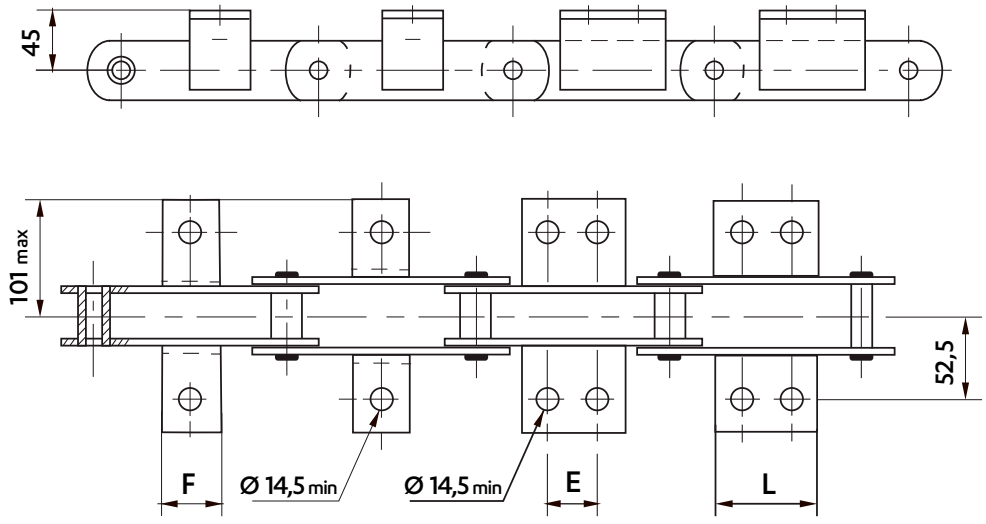
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *70 X 50 X 6*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)					Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)		
	K1	K2C		K2L								
	F	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2L
100	50	♦		♦		12,0	14,0	18,0	19,2		-	-
101,6	50	♦		♦		11,9	138	17,9	19,0		-	-
125	50	♦		♦		10,5	12,1	15,2	16,1		-	-
127	50	♦		♦		10,6	12,0	15,1	16,0		-	-
135	50	♦		♦		10,5	12,0	14,9	15,8		-	-
150 *	50	50	90	♦		9,5	10,9	13,5	14,3	0,27		-
152,4 *	50	50	90	60	90	9,5	10,8	13,3	14,1			
160	50	50	90	60	90	9,4	10,7	13,2	13,9		0,49	
180	50	50	90	60	90	8,8	9,9	12,1	12,8			0,49
200	50	50	90	60	90	8,8	9,4	11,4	12,0			
203,2	50	50	90	60	90	8,4	9,4	11,3	11,8			

♦ Not standard : possible to make on request.

* These pitches allow mounting of K2 attachments only on outer links

Intermediate pitches are on request

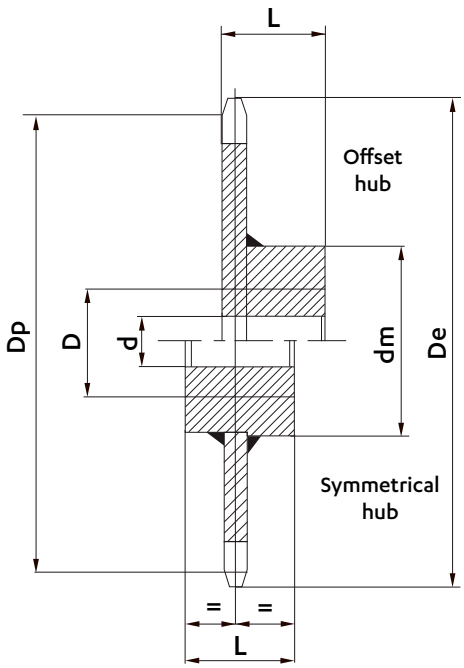
Dimensions in mm

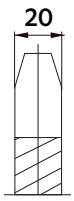
STANDARD CHAIN WHEELS

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

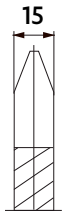
We can make on request:

- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**





For plain wheels

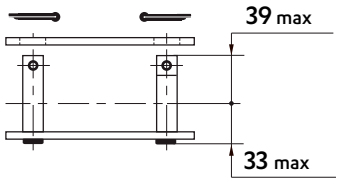


For flanged wheels

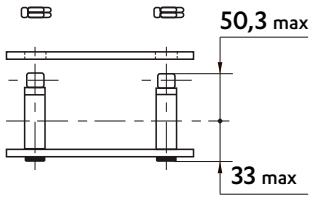
Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
100	8	261,31	287	30	90	150	80	18
	10	323,61	349	30	90	150	80	24
	12	386,37	412	30	90	150	80	28
101,6	8	265,49	291	30	90	150	80	18
	10	328,78	354	30	90	150	80	24
	12	392,55	418	30	90	150	80	28
125	8	326,64	352	30	90	151	80	20
	10	404,51	430	30	90	150	80	30
	12	482,96	509	30	90	150	80	40
127	8	331,87	357	30	90	1510	80	20
	10	410,98	437	30	90	150	80	30
	12	490,69	516	30	90	150	80	40
150	8	391,97	418	30	90	150	80	30
	10	485,41	511	30	90	150	80	42
	12	579,56	605	30	90	150	80	55
152,4	8	398,24	424	30	90	150	80	30
	10	493,18	519	30	90	150	80	42
	12	588,83	614	30	90	150	80	55
160	8	418,1	444	30	90	150	80	35
	10	517,77	543	30	90	150	80	50
	12	518,19	644	30	90	150	80	65
200	8	522,63	548	30	90	150	80	45
	10	647,21	673	30	90	150	80	65
	12	772,74	798	30	90	150	80	90
203,2	8	530,99	557	30	90	150	80	45
	10	657,57	683	30	90	150	80	65
	12	785,1	811	30	90	150	80	90

CONNECTING LINKS

REF N° 208
Cottered connecting link

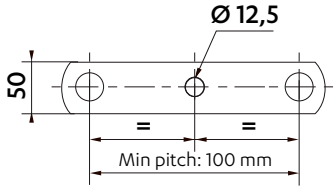


REF N° 209
Connecting link with self-locking nuts

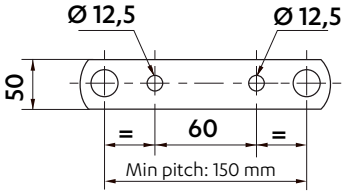


DRILLED PLATES

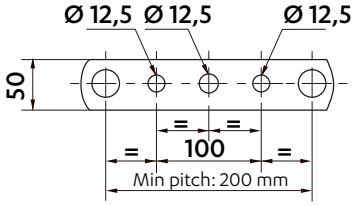
On outer and inner plates



1 HOLE



2 HOLES



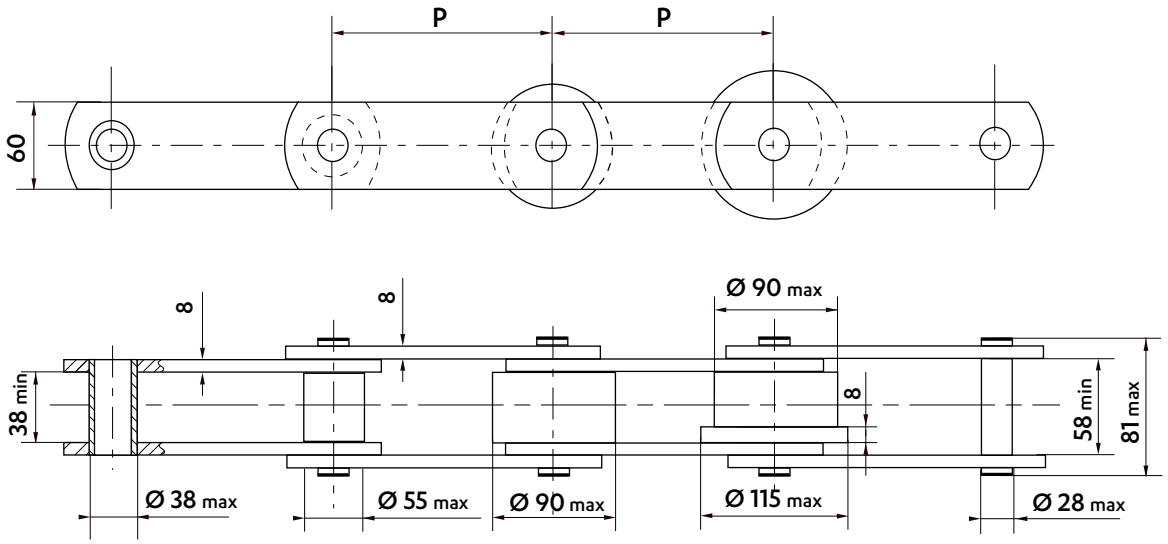
3 HOLES

NEW

BREAKING LOAD : 330 KN
WORKING SURFACE : 1 610 MM²
Pitches (P) : 125* / 135 / 150 / 160 / 175 / 200 / 250 / 254 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

BS STANDARD CHAINS - M270

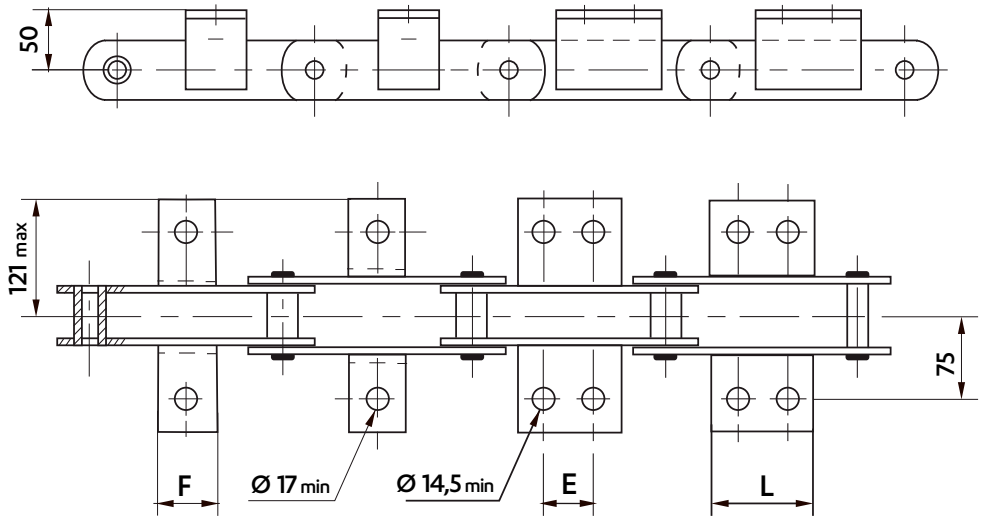
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *80 X 60 X 7*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
125	♦		♦		♦		♦	17,6	20,4	-	-	-	-	-	-
127	♦		♦		♦		♦	17,4	20,2	-	-	-	-	-	-
150 *	♦	40	70		♦		♦	16,0	18,3	25,8	27,5	-		-	-
152,4 *	♦	40	70		♦		♦	15,9	18,2	25,6	27,2	-		-	-
160	70	40	70	60	70		♦	15,5	18,1	24,9	26,4				-
200	70	40	70	60	70	60	90	13,9	15,7	21,3	22,5		0,51		
203,2	70	40	70	60	70	60	90	13,9	15,6	21,2	22,4	0,31		0,51	0,66
250	70	40	70	60	70	60	90	12,7	14,1	18,6	19,6				
254	70	40	70	60	70	60	90	12,7	14,1	18,5	19,5				

♦ Not standard : possible to make on request.

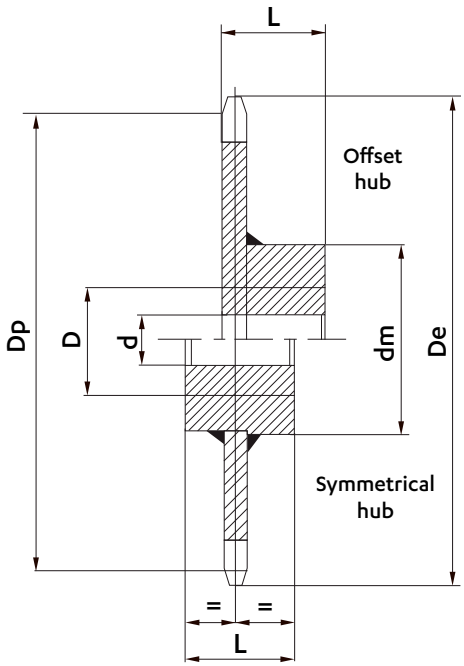
* These pitches allow mounting of K2 attachments only on outer links

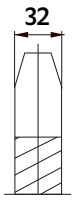
Intermediate pitches are on request

sedis

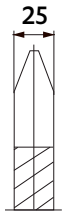
Dimensions in mm

STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

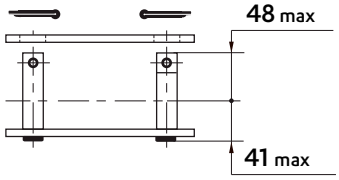
We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
125	8	326,64	357	30	110	180	140	40
	10	404,51	435	30	110	180	140	60
	12	482,96	513	30	110	180	140	80
127	8	331,87	362	30	110	180	140	40
	10	410,98	441	30	110	180	140	60
	12	490,69	521	30	110	180	140	80
150	8	391,97	422	30	110	180	140	62
	10	485,41	516	30	110	180	140	79
	12	579,56	610	30	110	180	140	116
152,4	8	398,24	429	30	110	180	140	62
	10	493,18	524	30	110	180	140	79
	12	588,83	619	30	110	180	140	116
200	8	522,63	553	30	110	180	140	114
	10	647,21	678	30	110	180	140	144
	12	772,74	803	30	110	180	140	184
203,2	8	530,99	561	30	110	180	140	114
	10	657,57	688	30	110	180	140	144
	12	785,1	816	30	110	180	140	184
250	8	653,28	684	30	110	180	140	134
	10	809,02	839	30	110	180	140	174
	12	965,93	996	30	110	180	140	224
254	8	663,73	694	30	110	180	140	134
	10	821,96	852	30	110	180	140	174
	12	931,38	1012	30	110	180	140	224

CONNECTING LINKS

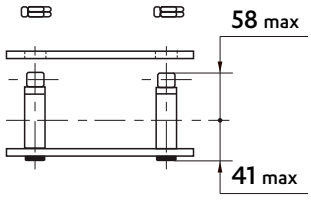
REF N° 208

Cottered connecting link



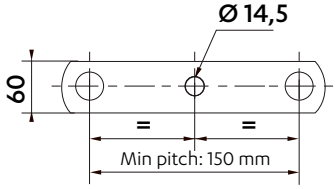
REF N° 209

Connecting link with self-locking nuts

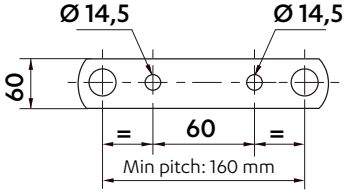


DRILLED PLATES

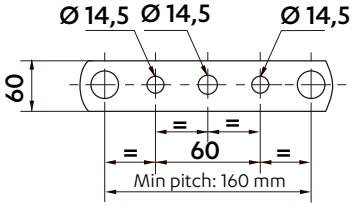
On outer and inner plates



1 HOLE



2 HOLES



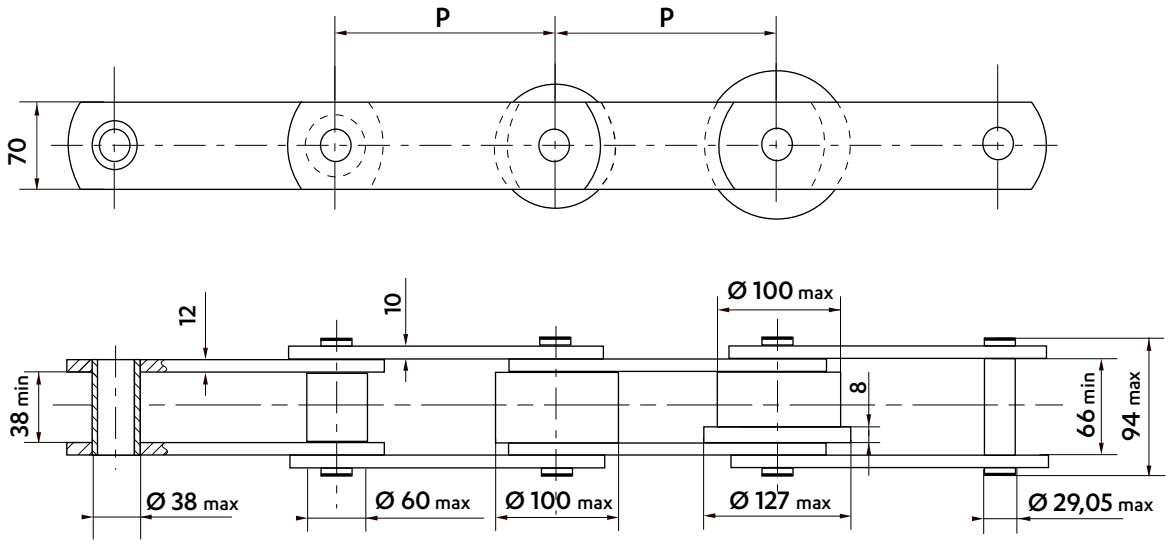
3 HOLES

NEW

BREAKING LOAD : 490 KN
WORKING SURFACE : 1 850 MM²
Pitches (P) : 150 / 160 / 175 / 200 / 250 / 252,4 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

BS STANDARD CHAINS - *M400*

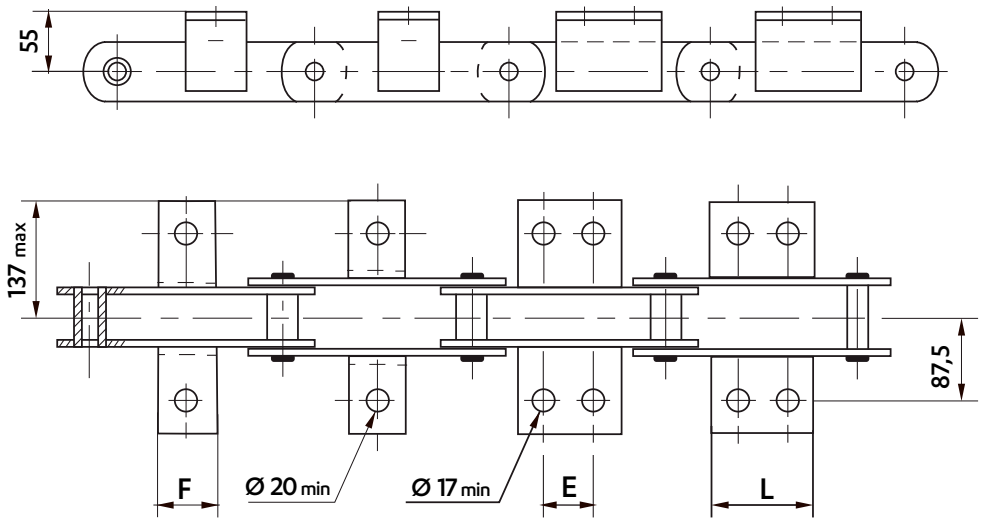
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *90 X 70 X 8*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm)			Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)	
	K1	K2C							
	F	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C
150	♦	♦		23,0	26,2	35,7	37,7	-	-
152,4	♦	♦		22,9	26,0	35,4	37,3	-	-
160	70	♦		22,3	25,3	34,2	36,1	0,68	-
200 *	70	55	130	20,3	22,7	29,8	31,3		1,25
203,2 *	70	55	130	20,1	22,5	29,4	30,9		
250	70	55	130	18,7	20,6	26,3	27,5		
254	70	55	130	18,6	20,5	26,1	24,2		

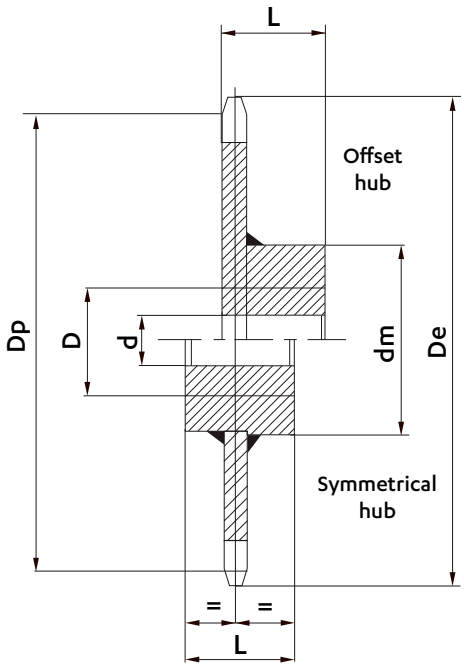
♦ Not standard : possible to make on request.

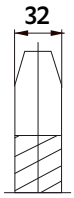
* These pitches allow mounting of K2 attachments only on outer links

Intermediate pitches are on request

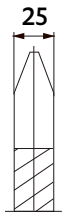
Dimensions in mm

STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

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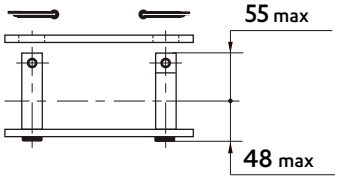
- **special wheels**

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
150	8	391,97	422	30	120	200	160	62
	10	485,41	516	30	120	200	160	79
	12	579,56	610	30	120	200	160	116
152,4	8	398,24	429	30	120	200	160	62
	10	493,18	524	30	120	200	160	79
	12	588,83	619	30	120	200	160	116
200	8	522,63	553	30	120	200	160	114
	10	647,21	678	30	120	200	160	144
	12	772,74	803	30	120	200	160	184
203,2	8	530,99	561	30	120	200	160	114
	10	657,57	688	30	120	200	160	144
	12	785,1	816	30	120	200	160	184
250	8	653,28	684	30	120	200	160	134
	10	809,02	839	30	120	200	160	174
	12	965,93	996	30	120	200	160	224
254	8	663,73	694	30	120	200	160	134
	10	821,96	852	30	120	200	160	174
	12	931,38	1012	30	120	200	160	224

CONNECTING LINKS

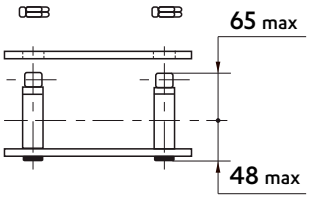
REF N° 208

Cottered connecting link



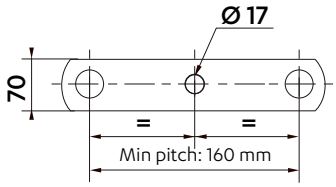
REF N° 209

Connecting link with self-locking nuts

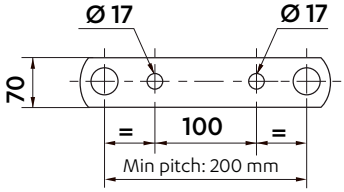


DRILLED PLATES

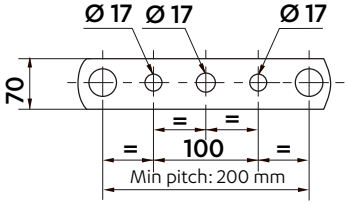
On outer and inner plates



1 HOLE



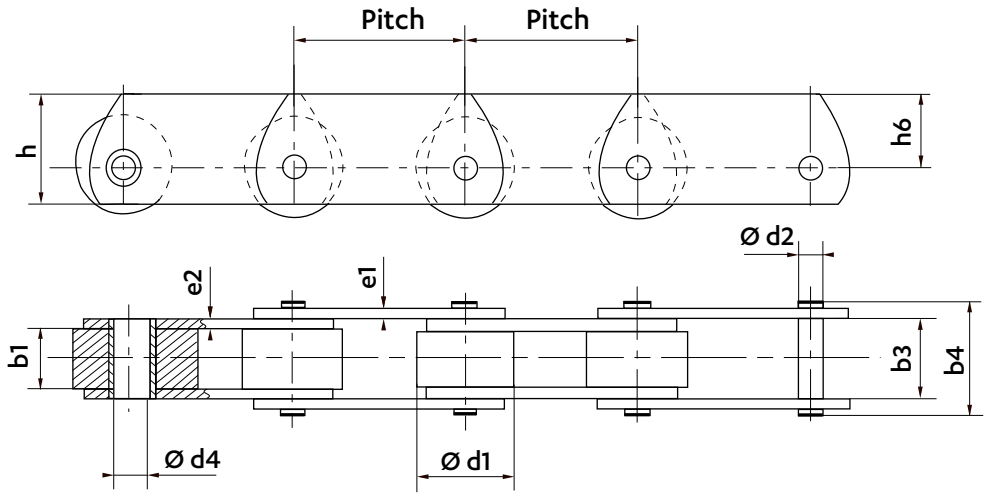
2 HOLES



3 HOLES

DEEP LINK CONVEYOR CHAINS MD-ISO

Dimensions in mm



NEW

Chain ref	Pitch (intermediate pitches on request) 40 50 63 80 100 125 160 200 250 315 400 500 630	PLATES Height h nom.	PLATES Height h6 nom.	PLATES Thickness e1 nom.	PLATES Thickness e2 nom.	DIAMETER Bush d4 max.	DIAMETER Pin d2 max.	DIAMETER Wheel d1 max.	WIDTH between inner plates b1 min.	WIDTH between inner plates b3 min.	WIDTH over riveted pins b4 max.	WIDTH over conn. link N°208 b5 max.	WIDTH over conn. link N°209 b7 max.	Standardized breaking load Rr min. kN	SEDIS new range breaking load Rr min. kN
MD 20		25	16	2,5	2,5	9	6	25	15,5	22,5	30,6	33,2	-	20	20
MD 56		45	30	4	4	15	10	42	23,2	33,6	47,4	52,5	53,5	56	65
MD 80		50	32,5	5	5	18	12	50	28	39,6	55,4	60,5	64	80	100
MD 112		60	40	5	6	21	15	60	31	45,7	62	67,1	72,5	112	140
MD 160		70	45	6	6	25	18	70	36	52,7	72	78,7	85,7	160	220
MD 224		90	60	6	8	30	21	85	42	60,8	81,2	87,5	96,5	224	270
MD 315		100	65	8	10	36	25	100	48	70,8	94,2	103	113	315	420
MD 450		120	80	10	12	42	30	120	55,5	82,9	112	121	140	450	570
MD 630		140	90	12	14	50	36	140	66	97	131,5	148	158,5	630	630
MD 900		180	120	14	16	60	44	170	78	113	155	172	186	900	900

Feasible

DEEP LINK CONVEYOR CHAINS CAN BE MADE WITH :

DELTA® PINS
ANTI-WEAR

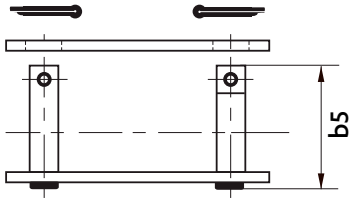
ANTI-CORROSION COATINGS

VERTE CHAIN
MAINTENANCE-FREE

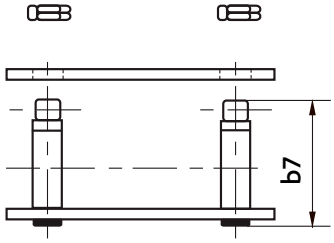
Further information on pages 19 to 21.

CONNECTING LINKS

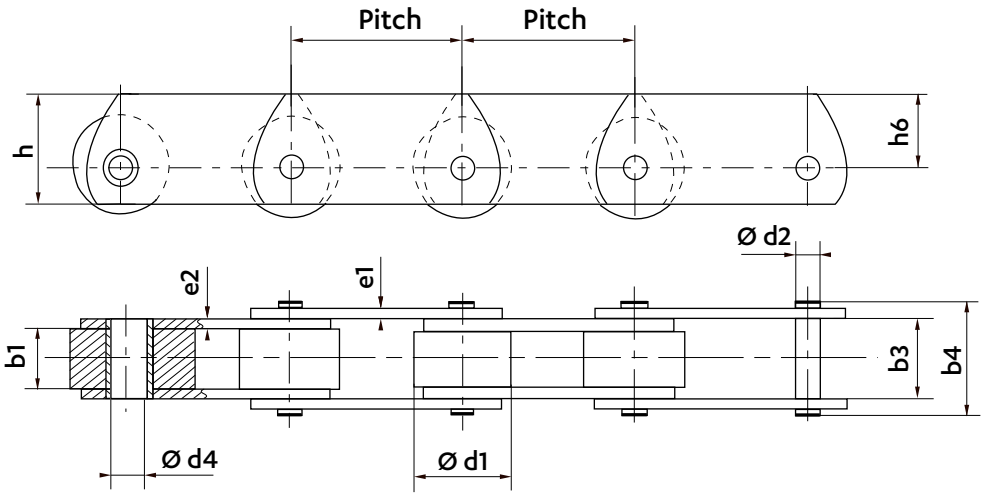
REF N° 208
Cottered connecting link



REF N° 209
Connecting link with self-locking nuts



Dimensions in mm



NEW

Chain ref	Pitch (intermediate pitches on request)	PLATES Height h nom.	PLATES Height h6 nom.	PLATES Thickness e1 nom.	PLATES Thickness e2 nom.	DIAMETER Bush d4 max.	DIAMETER Pin d2 max.	DIAMETER Wheel d1 max.	WIDTH between inner plates b1 min.	WIDTH between inner plates b3 min.	WIDTH over riveted pins b4 max.	WIDTH over conn. link N°208 b5 max.	WIDTH over conn. link N°209 b7 max.	standard breaking load Rr min. kN	SEDIS new range breaking load Rr min. kN
MD 22	50	25	15	3	3	12	8	25	16	23	34	35,5	-	20	20
MD 35	50 63,5	35	21,5	4	4	18,4	14	32	15,2	25,3	38,2	43,2	48,5	34	34
MD 68	50 63,5 75 76,2 88,9	50	30	4	5	23,7	19	48	19	31,6	48	56	61	68	90
MD 100	50 63,5 75 76,2 88,9 100 101,6	50	30	5	7	26	19	48	21	37	53,4	61,3	65	100	120
MD 200	75 76,2 88,9 100 101,6 125 127 150 152,4 160 200 203,2	70	45	6	8	32	24	70	26	46	65	72	83,6	200	200
MD 270	88,9 100 101,6 125 127 150 152,4 160 200 203,2 250 254	90	60	8	8	38	28	90	38	58	82	89	98	270	330
MD 400	152,4 160 200 203,2 250 254	110	75	10	12	38	29	100	38	66	94	-	113	400	490

Feasible

DEEP LINK CONVEYOR CHAINS CAN BE MADE WITH :

DELTA® PINS
ANTI-WEAR

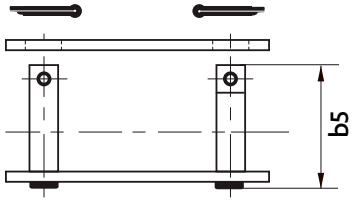
ANTI-CORROSION COATINGS

VERTE CHAIN
MAINTENANCE-FREE

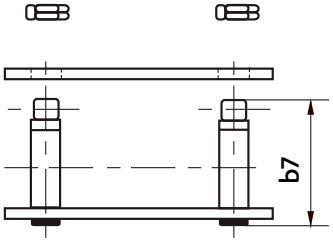
Further information on pages 19 to 21.

CONNECTING LINKS

REF N° 208
Cottered connecting link

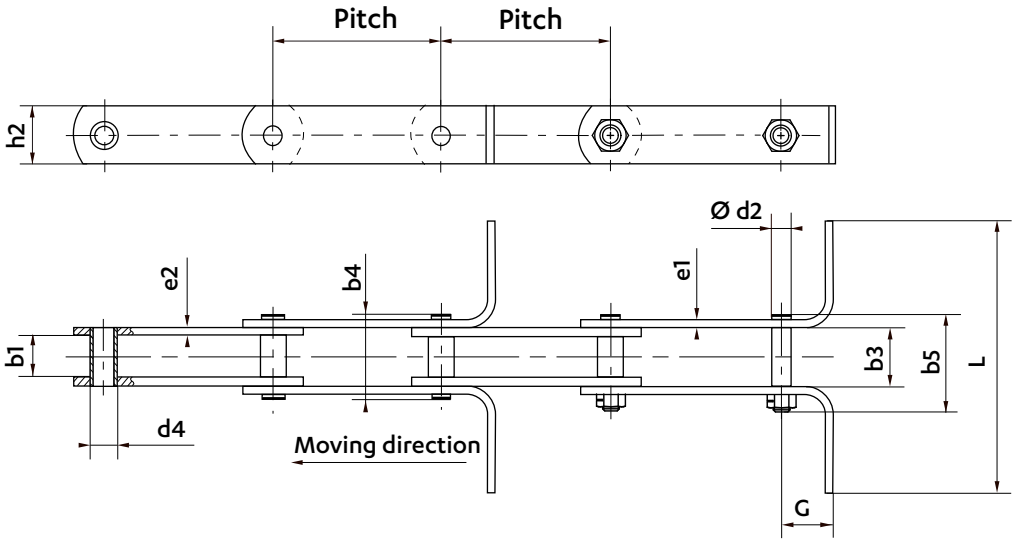


REF N° 209
Connecting link with self-locking nuts



SCRAPER CHAINS MR - ISO

Dimensions in mm



NEW

Chain ref	Pitch			PLATES			DIAMETER		WIDTH				SCRAPERS		Standardized breaking load	SEDIS new range breaking load
				Height	Thickness		Bushes	Pins	between inner plates	between outer plates	over riveted pins	over conn. link N°209	scrpaer bending	scraper length		
	100	125	160	h2	e1	e2	d4	d2	b1 min.	b3 min.	b4 max.	b7 max.	G	L (1) max.	Rr min. kN	Rr min. kN
MR 56				30	4	4	15	10	23,2	33,6	47,4	53,5	26	330	56	65
MR 80				35	5	5	18	12	28	39,6	55,4	60	28	350	80	100
MR 112				40	5	6	21	15	31	45,7	62	67,1	30	430	112	140
MR 160				50	6	7	25	18	36	52,7	72	78,7	35	480	160	220
MR 224				60	6	8	30	21	42	60,8	81,2	87,5	39	500	224	270
MR315				70	8	10	36	25	48	70,8	94,2	113	50	500	315	420

Feasible

For any other pitch or dimensions, consult us

(1) It is possible to make scrapers with different lengths "L", consult us.
Scrapers can be drilled on request.

SCRAPER CONVEYOR CHAINS CAN BE MADE WITH :

DELTA® PINS
ANTI-WEAR

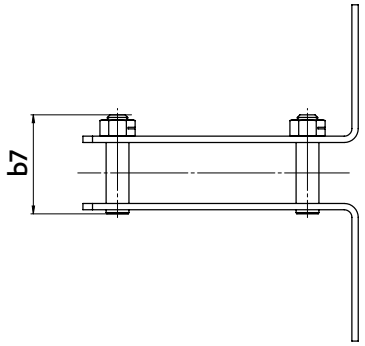
ANTI-CORROSION COATINGS

Further information on pages 19 to 21.

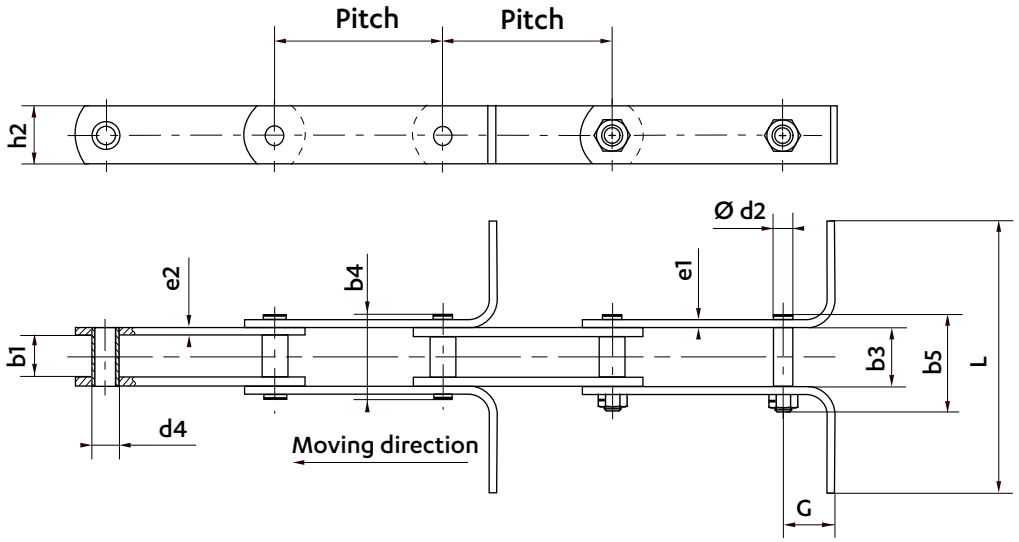
CONNECTING LINKS

REF N° 209

Connecting link with self-locking nuts



Dimensions in mm

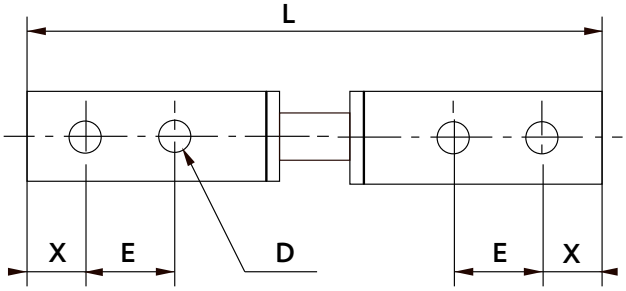


NEW

Chain ref	Pitch (intermediate pitches on request) 50	75	100	125	150	160	175	PLATES Height h2 nom.	PLATES Thickness e1 nom.	PLATES Thickness e2 nom.	DIAMETER Bushes d4 max.	DIAMETER Pins d2 max.	WIDTH between inner plates b1 min.	WIDTH between inner plates b3 min.	WIDTH over riveted pins b4 max.	WIDTH over conn. link N°209 b7 max.	SCRAPERS scrpaer bending G	SCRAPERS scraper length L (1) max.	SCRAPERS scraper cross section cm²	Standardized breaking load Rr min. kN	SEDIS new range breaking load Rr min. kN
MR 35								27	4	4	18,4	14	15,2	25,3	38,2	48,7	30	250	1,1	35	35
MR 68								40	5	5	23,7	19	19,0	31,6	48,0	61,0	30		2,0	68	90
MR 100								40	7	7	26,0	19	21,0	37,0	57,4	69,0	37		2,8	100	120
MR 200								50	6	8	32,0	24	26,0	46,0	65,0	83,6	42	480	3,5	200	200
MR 270								60	8	8	38,0	28	38,0	58,0	81,0	98,0	48		4,8	270	330
MR 400								70	10	12	38,0	29	38,0	66,0	94,0	113	45		7,0	400	490

Feasible

Chain	DRILLING Overall width L	hole Ø D	holes center distance E	Distance hole - side X
MR 35		6,5	40	10 ou 15
MR 68	< 240	7,0	40	
	< 240	7,0	60	
	> 240	10,0	56	
MR100	< 300	7,0	90	
	> 300	10,0	85	
MR 200	< 290	10,0	60	
MR 270	< 290	9,0	85	
	> 290	10,0	85	

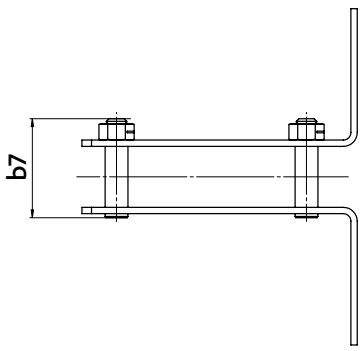


(1) It is possible to make scrapers with different lengths "L", consult us. Scrapers can be drilled on request.

CONNECTING LINKS

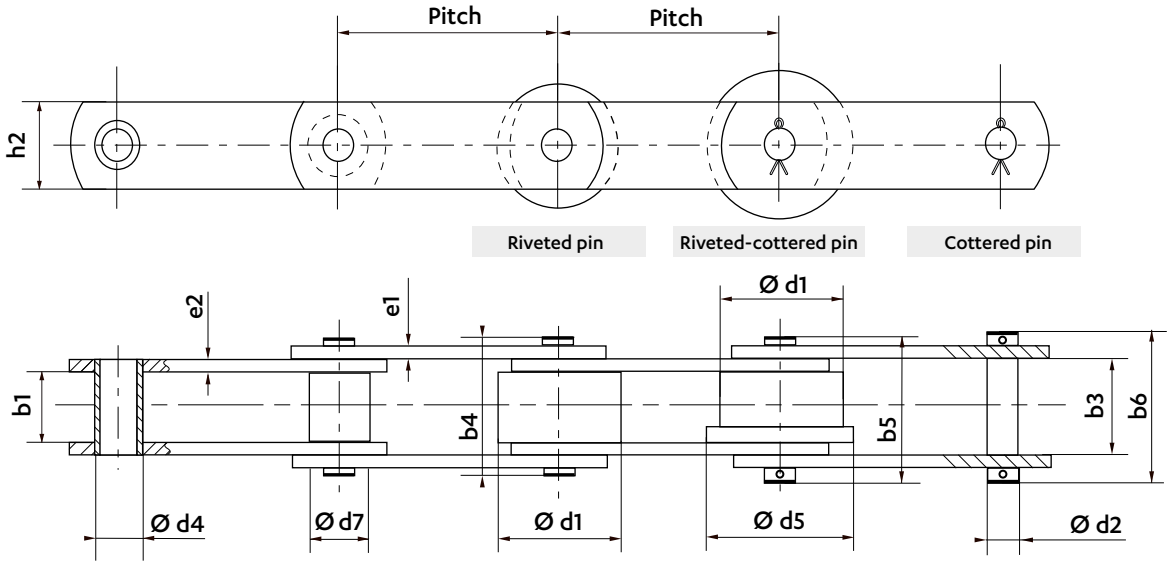
REF N° 209

Connecting link with self-locking nuts



FRENCH SERIES CHAINS

Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	
B	**S**	*NOT TREATED* **L** *TREATED STEEL* **P**	*NOT TREATED* **N** *TREATED STEEL* **F**	*Types of articulation*

Chain ref	Pitch (intermediate pitches on request) 50 60 80 100 120 135 150 160 180 200 210 250 500	PLATES Height h2 nom.	PLATES Thickness e1 nom.	e2 nom.	DIAMETER Bushes d4 max.	Pins d2 max.	Small roller d7 max.	Wheel d1 max.	Flanged wheel d5 max.	WIDTH between inner plates b1 min.	between outer plates b3 min.	over riveted pins b4 max.	over cottered pins on 1 side b5 max.	over cottered pins on both side b6 max.	Weight kg/m	Breaking Load Standard	HR
LIGHT SERIES																	
PM3		25	3	3	12,0	8,0	17	30	35	16	23,5	33,5	35,5	37,5	1,5	34	
0L		35	4	4	19,0	11,5	30	50	60	19	30,0	44,0	47,0	50,0	3,2	63	
1L		40	5	5	23,0	14,2	40	50	70	23	36,0	52,0	57,0	62,0	4,8	85	
2L		50	6	6	28,0	18,3	50	70	80	28	43,0	62,0	68,5	75,0	7,7	130	
3L		70	8	8	36,0	24,2	60	90	105	36	55,0	81,0	88,0	95,0	12,6	270	
4L		80	12	12	44,2	30,2	70	120	140	44	72,0	106,0	115,0	124,0	22,0	450	
STANDARD AND HIGH STRENGTH (HR) SERIES																	
00		30	4	4	17,0	11,1	25	45	55	17	26,0	40,0	43,5	47,0	2,9	45	65
0		35	5	5	19,0	11,5	30	50	60	27	40,0	56,0	59,0	62,0	4,0	70	100
1		40	6	6	23,0	14,2	40	50	70	34	49,0	67,0	72,0	77,0	5,9	100	150
2		50	8	8	28,0	18,3	50	70	80	39	58,0	81,0	87,5	94,0	10,3	170	250
3		70	10	10	36,0	24,2	60	90	105	55	78,0	108,0	115,0	122,0	18,0	270	400
4		80	12(1)	15	44,2	30,2	70	120	140	58	92,0	126,0	135,0	144,0	30,0	600	700

Feasible

(1) 15mm thickness for the High Strength (HR) series. Dimensions b4, b5 & b6 are different

Sedis references:

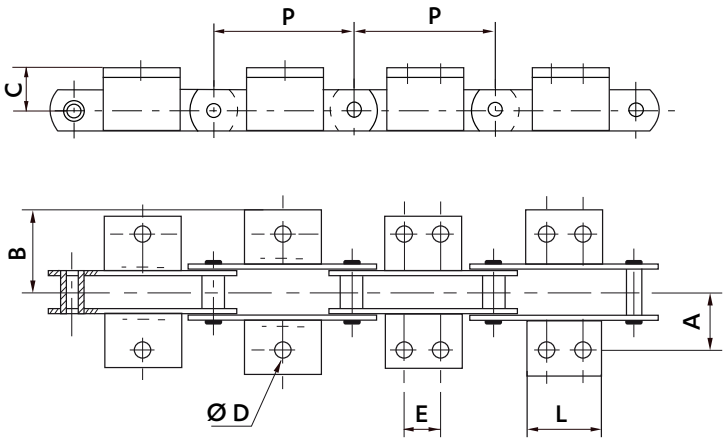
2 **N** **135**

CHAIN TYPE	ARTICULATION TYPE	CHAIN PITCH
Ex: N°2, 3L...	***B*** BUSH CHAIN ***S*** SMALL ROLLER CHAIN ***P*** CHAIN WITH PLAIN TREATED WHEELS ***L*** CHAIN WITH UNTREATED PLAIN WHEELS ***F*** CHAIN WITH TREATED FLANGED WHEELS ***N*** CHAIN WITH UNTREATED FLANGED WHEELS	P in mm Ex: 100MM

Dimensions in mm

WELDED K ATTACHMENTS

Chain ref	Minimum pitch to mount K attachment P	Transverce center distance A	Height C	hole diameter D	holes center distance E	Length L	Maximum width B	attachment dimensions	Weight kg/p
LIGHT SERIES									
PM3	100	30	17,5	6,5	25	50	45,0	30 x 30 x 3	0,07
0L	135	40	22,5	10,5	40	70	59,0	40 x 40 x 4	0,17
1L	135	50	25,0	10,5	40	70	68,0	45 x 45 x 4,5	0,21
2L	150	60	35,0	11,5	40	70	87,5	60 x 60 x 6	0,38
3L	200	80	45,0	13,0	50	90	115,5	80 x 80 x 8	0,86
4L	250	Dimensions not standard - consult us							
STANDARD AND HIGH STRENGTH (HR) SERIES									
00	100	38	23,5	8,5	30	55	57,0	40 x 40 x 4	0,14
0	135	44	22,5	10,5	40	70	65,0	40 x 40 x 4	0,17
1	135	55	25,0	10,5	40	70	75,5	45 x 45 x 4,5	0,21
2	150	70	35,0	11,5	40	70	97,0	60 x 60 x 6	0,38
3	200	93	45,0	13,0	50	90	129,0	80 x 80 x 8	0,86
4	250	Dimensions not standard - consult us							

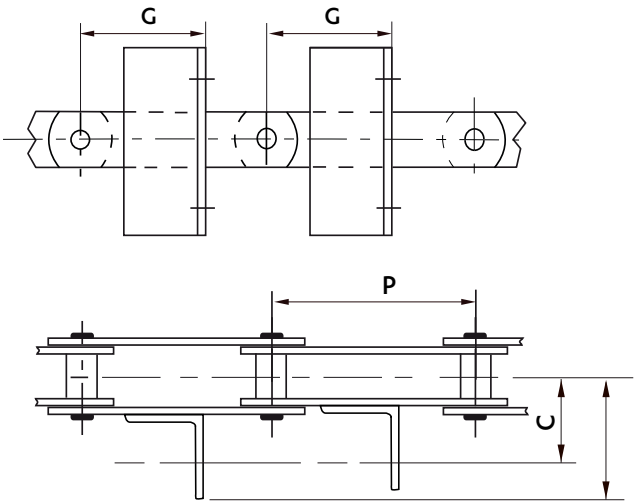


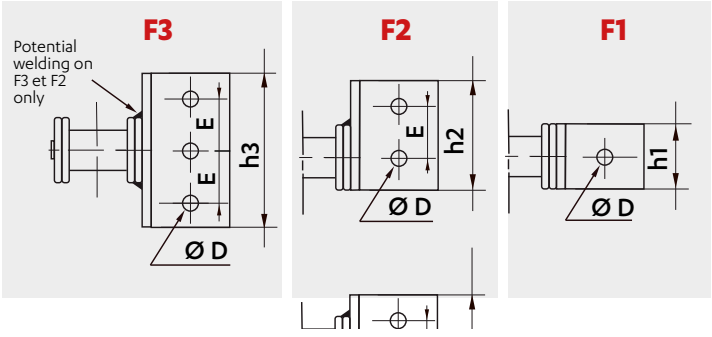
Frequency of attachments on request.
Attachments on one or both sides of the chain, on outer and/or inner links.

WELDED F ATTACHMENTS

Frequency of attachments on request :
Attachments on one or both sides of the chain, on outer and/or inner links.

Chain ref	Minimum pitch to mount F attachment P	Transverce center distance C	Distance G	hole diameter D	holes center distance E	Height h1	Height h2	Height h3	attachment dimensions
LIGHT SERIES									
PM3	100	30	50	7	25	25	50	75	30 x 30 x 3
0L	135	45	80	9	41	35	76	117	50 x 50 x 5
1L	135	50	90	11	45	40	85	130	60 x 60 x 6
2L	150	60	105	13	50	50	100	150	70 x 70 x 7
3L	200	80	135	15	70	70	140	210	90 x 90 x 9
STANDARD AND HIGH STRENGTH (HR) SERIES									
00	100	38	63	9	35	30	68	103	40 x 40 x 4
0	135	50	80	9	41	35	76	117	50 x 50 x 5
1	135	57	90	11	45	40	85	130	60 x 60 x 6
2	150	70	105	13	50	50	100	150	70 x 70 x 7
3	200	93	135	15	70	70	140	210	90 x 90 x 9





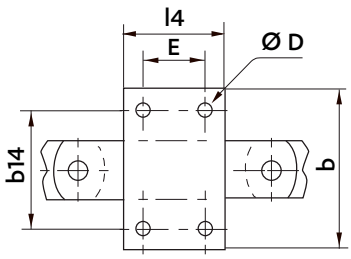
FRENCH SERIES CHAINS - ATTACHMENTS

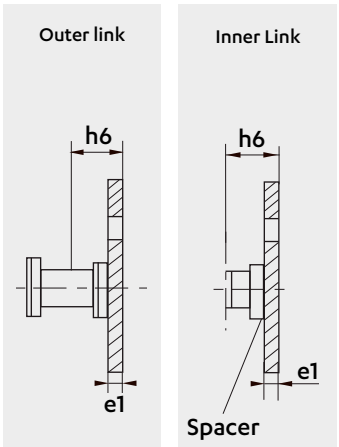
Dimensions in mm

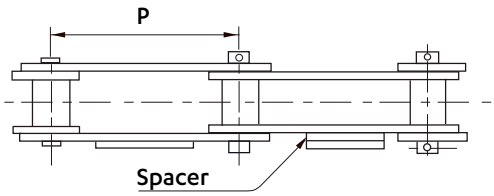
WELDED G ATTACHMENTS

Frequency of attachments on request :
Attachments on one or both sides of the chain, on outer and/or inner links.

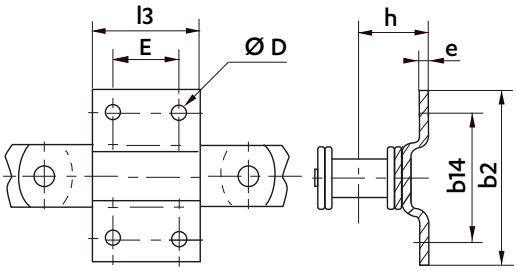
STRAIGHT SIDE PLATES

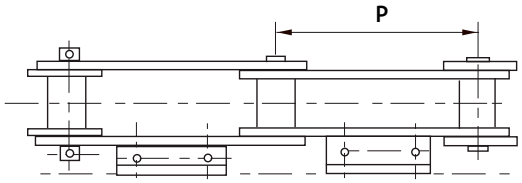






BENT PLATES





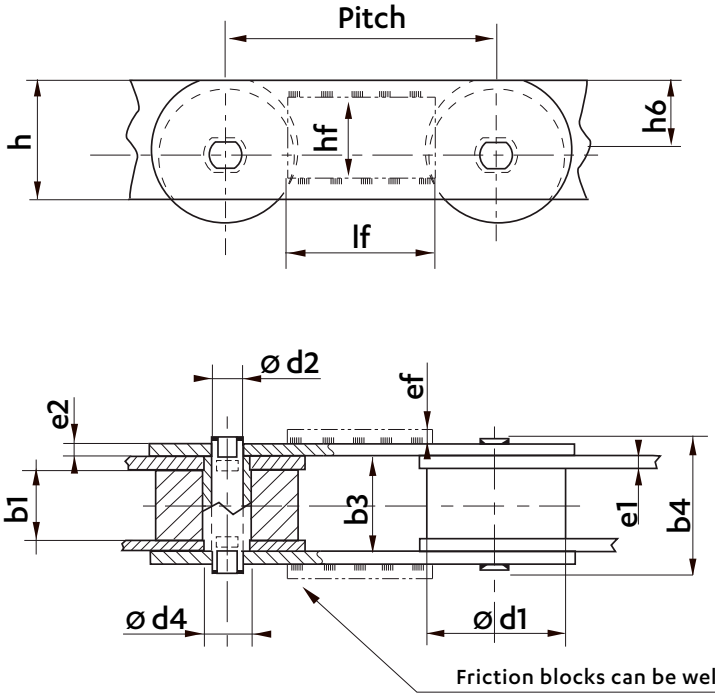
Chain ref	Minimum pitch to mount G attachment	Hole diameter	holes center distance	Center distance	STRAIGHT SIDE PLATES				BENT PLATES			
					Distance	Length	Height	Thickness	Distance	Length	Height	Thickness
	P	D	E	b14	h6	l4	b	e1	h5	l3	b2	e
LIGHT SERIES												
PM3	80	6,5	18	50	18,0	40	80	3				
0L	135	10,5	40	70	24,0	70	100	5	33,0	65	100	4
1L	135	10,5	40	70	29,0	70	100	6	42,0	70	100	5
2L	135	11,5	40	90	34,5	70	120	7	48,5	70	120	7
3L	180	15,0	40	150	43,5	90	200	8	53,5	90	200	8
STANDARD AND HIGH STRENGTH (HR) SERIES												
00	100	8,5	30	65	21,0	55	95	4	31,0	55	90	4
0	135	10,5	40	70	30,0	70	100	5	39,0	65	100	4
1	135	10,5	40	70	36,5	70	100	6	49,5	70	100	5
2	135	11,5	40	90	44,0	70	120	7	57,0	70	120	7
3	180	15,0	40	150	57,0	90	200	8	67,0	90	200	8

Dimensions in mm

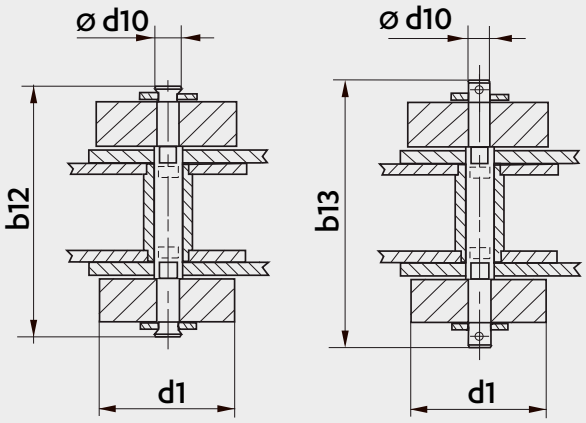
DEEP LINK CONVEYOR CHAINS

On request : The chains can be fitted with bridge pieces or thrust stops.

Intermediate pitches on request.



EXTENDED PINS WITH OUTBOARD WHEELS



Chain ref	standard pitch	PINS									PLATES				FRICTION BLOCKS			Breaking Load	
		Bush Ø	Width between inner plates	Width between outer plates	Wheel Ø	Diameter	Holding Ø	Width over riveted pins	riveted pin length	cottered pin length	Height	Distance	Inner plates thickness	Outer plates thickness	Length	Height	Thickness		
	P	d4	b1	b3	d1	d2	d10	b4	b12	b13	h	h6	e1	e2	lf	hf	ef	Normal	HR
LIGHT SERIES																			
PM3	100	12	16	23,5	30	8,0	8	33,5	67,5	70,5	30	20	3	3	50			34	
0L	135	19	19	30	50	11,5	9	44,0	85,0	87,0	45	30	4	4	50	35	5	63	
1L	135	23	23	36	60	14,2	11	52,0	104,0	107,0	50	35	5	5	50	40	6	85	
2L	135	28	28	43	70	18,3	15	62,0	124,0	130,0	70	45	6	6	50	50	7	130	
3L	180	36	36	55	90	24,2	20	81,0	157,0	167,0	80	52	8	8	50	50	9	270	
STANDARD AND HIGH STRENGTH (HR) SERIES																			
00	100	17	17	26	45	11,1	9	40,0	77,0	79,0	40	26	4	4	50	30	5	45	65
0	135	19	27	40	50	11,5	9	56,0	97,0	99,0	45	30	5	5	50	35	5	70	100
1	135	23	34	49	60	14,2	11	67,0	119,0	122,0	50	35	6	6	50	40	6	100	150
2	135	28	39	58	70	18,3	15	81,0	143,0	149,0	70	45	8	8	50	50	7	170	250
3	180	36	55	78	90	24,2	20	108,0	184,0	194,0	80	52	10	10	50	50	9	270	400

STANDARD CHAINS

Hollow pin
CHAINS

ISO & BS STANDARD CHAINS

Dimensions in mm

NEW RANGE OF CONVEYOR CHAINS

NEW

FLANGED BUSHES

- increased **BREAKING LOADS**
- **SIDE GRIP** improved in heavy use
- correct **MESHING** of the chain in the sprockets

STEELS WITH HIGH MECHANICAL STRENGTH

- improved material **RESISTANCE & HARDNESS**
- increased **BREAKING LOADS**
- Better **WEAR RESISTANCE**
- longer **SERVICE LIFE**

REINFORCED RIVETING

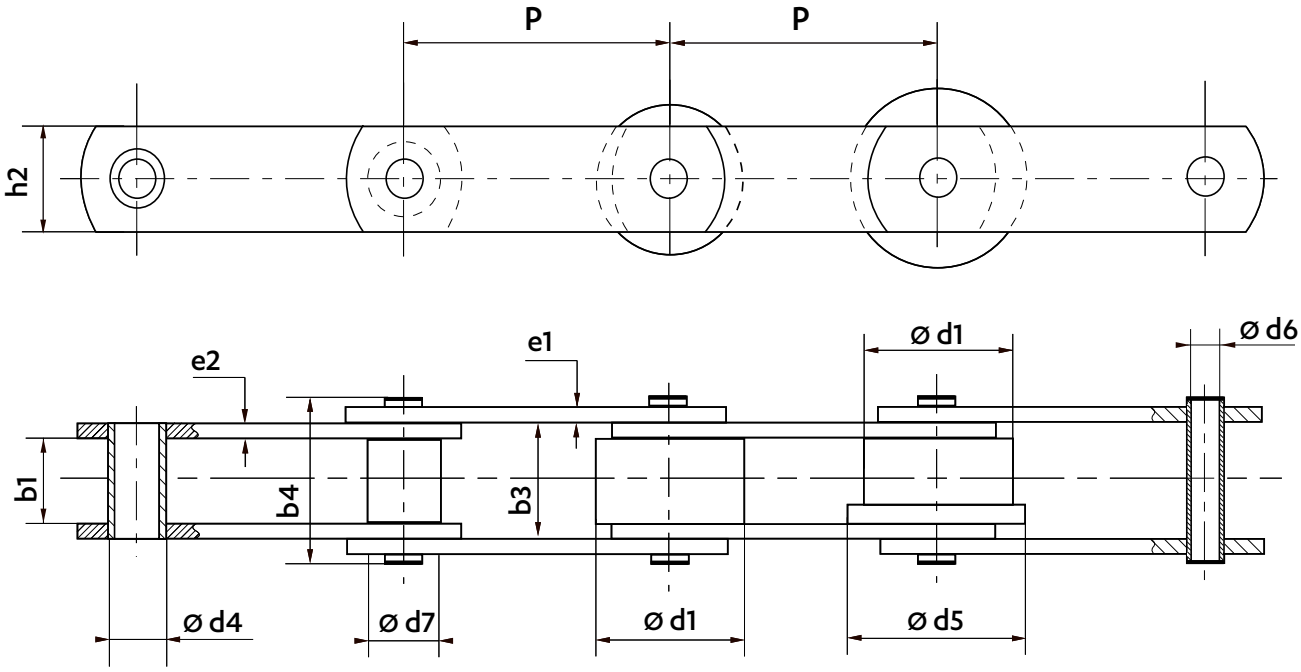
- **SIDE GRIP** improved in heavy use
- **REINFORCED RESISTANCE** to shocks et to misalignment
- longer **SERVICE LIFE**

Sedis references:

MC **56** **P** **100**

CHAIN TYPE	BREAKING LOAD	ARTICULATION TYPE	CHAIN PITCH
M SOLID PIN CONVEYOR CHAINS ***MC*** HOLLOW PIN CONVEYOR CHAINS ***MD*** DEEP LINK CONVEYOR CHAINS ***MR*** SCRAPER CONVEYOR CHAINS	Min UTS of the chain (in kN) according to the standard Ex: 56 kN	***B*** BUSH CHAIN ***S*** SMALL ROLLER CHAIN ***P*** CHAIN WITH PLAIN TREATED WHEELS ***F*** CHAIN WITH FLANGED TREATED WHEELS	P in mm Ex: 100mm

Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	**S**	**P**	**F**	

NEW

Chain ref.		Pitch (intermediate pitches on request) 50 60 75 80 100 125 135 150 160 175 200 250 315	PLATES Height h2 nom.	PLATES Thickness e1 nom.	PLATES Thickness e2 nom.	Hollow pin bore Ø d6 min.	ARTICULATION Bush Ø d4 max.	ARTICULATION Roller Ø d7 max.	ARTICULATION Wheel Ø d1 max.	ARTICULATION Flanged wheel Ø d5 max.	WIDTH between inner plates b1 min.	WIDTH between outer plates b3 min.	WIDTH over riveted pins b4 max.	Standardized breaking load Rr kN	SEDIS new range breaking load Rr min. kN
BS factory standard	MC27 (ZM28)		25 *	4	4	10,2	18,4	25	31,9	42	15,2	25,3	37,1	34	34
	MC55		40	5	5	13,3	23,7	32	48	60	19	31,6	48	68	68
	MC110		50	5	8	20,4	32	48	70	90	26	44	62	110	110
ISO standard	MC56		35	4	5	10,2	21	-	50	60	24	33,7	46,6	56	70
	MC112		50	5	6	14,3	30	-	70	88	32	45,7	64,8	112	130

Feasible — Despatch possible within 3 weeks

** Plates' height is 27mm for stainless steel version*

ISO & BS STANDARD HOLLOW PIN CONVEYOR CHAINS CAN BE MADE WITH :

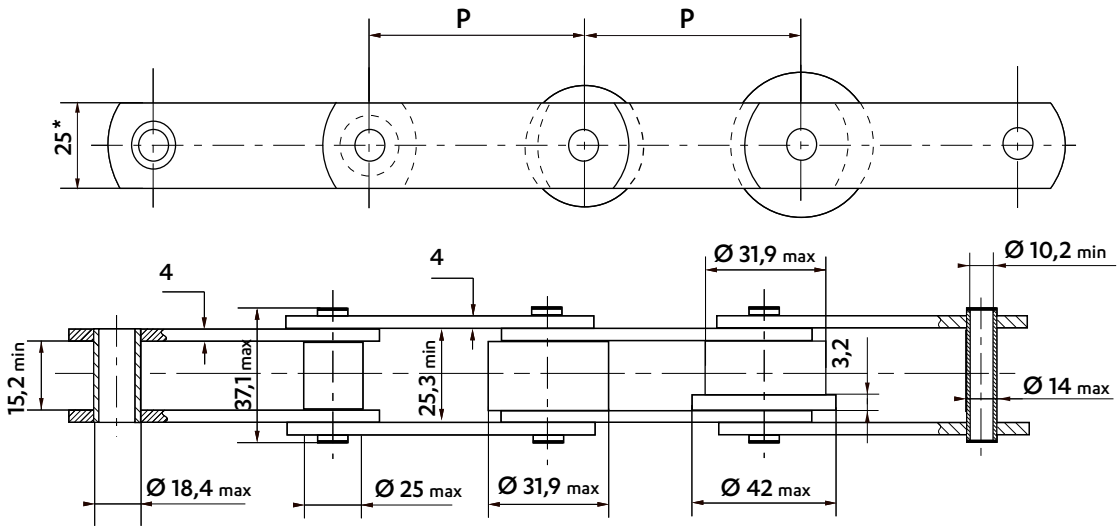
DELTA® PINS	ANTI-CORROSION COATINGS	VERTE CHAIN
ANTI-WEAR		MAINTENANCE-FREE

Further information on pages 19 to 21.

BREAKING LOAD : 34 KN
WORKING SURFACE : 350 MM²
Pitches (P) : 50 / 60 / 75 / 100 / 125 / 135 /150 / 160 / 175 / 200 mm
Intermediate pitches (P) on request

BS STANDARD CHAINS - *MC27 (ZM 28)*

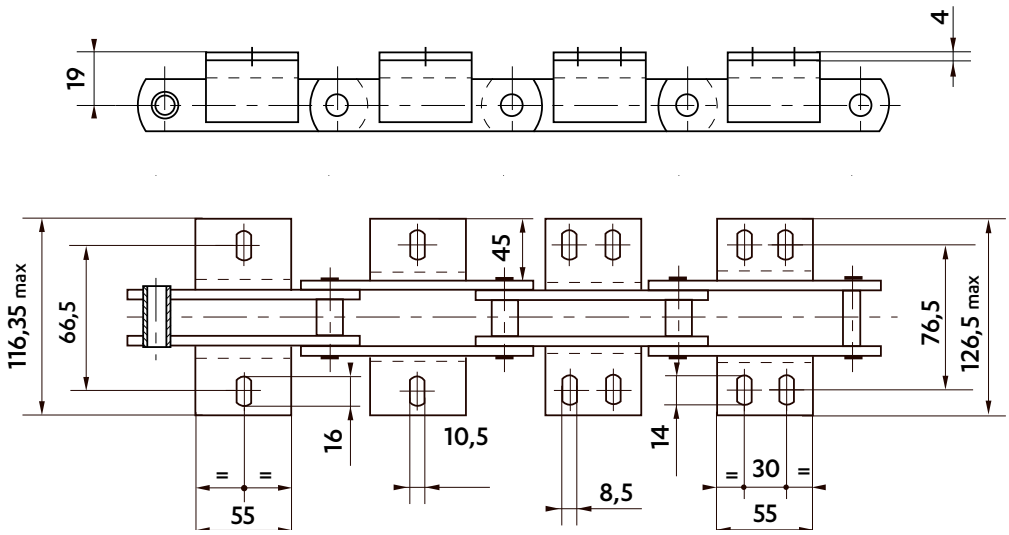
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.
** Plates' height is 27mm for stainless steel version*

WELDED K1 & K2 ATTACHMENTS - *45 X 30 X 4*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)	
	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2
50	2,9	3,4	4,2	4,4	0,11	
50,8	2,9	3,4	4,1	4,4		
60	2,7	3,1	3,8	4,0		
63,5	2,6	3,0	3,5	3,8		
75	2,5	2,9	3,3	3,5		
76,2	2,5	2,8	3,3	3,5		
88,9	2,4	2,7	3,1	3,3		
100	2,3	2,6	2,9	3,1		
101,6	2,3	2,6	2,9	3,1		
125	2,2	2,4	2,7	2,8		
127	2,2	2,4	2,7	2,8		
150	2,1	2,1	2,5	2,5		

Despatch possible within 3 weeks

Intermediate pitches are on request

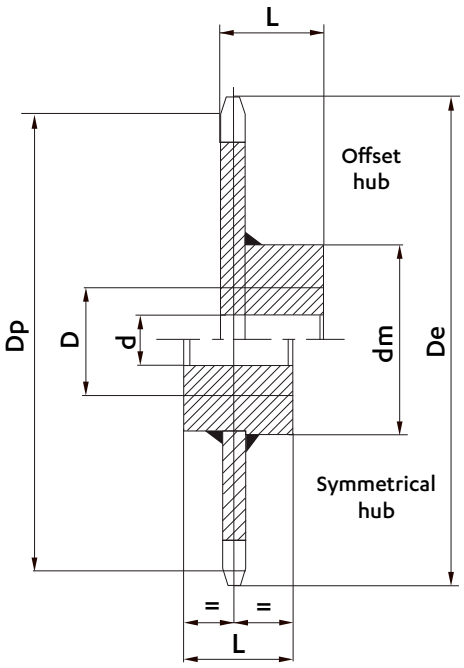
Dimensions in mm

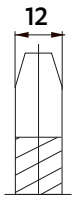
STANDARD CHAIN WHEELS

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

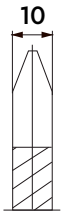
We can make on request:

- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**





For plain wheels



For flanged wheels

Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
50**	8	130,66	145	25	35	70	40	2
	10	161,80	177	30	50	100	40	4
	12	193,19	208	30	50	100	50	5
50,8**	8	132,75	147	25	35	70	40	2
	10	164,39	179	30	50	100	50	4
	12	196,28	211	30	35	100	50	5
60	8	156,79	172	25	50	100	50	4
	10	194,16	209	30	50	100	50	6
	12	231,82	247	30	60	115	65	8
63,5	8	165,93	181	25	50	100	50	4
	10	205,49	220	30	50	100	50	6
	12	245,35	260	30	60	115	65	8
75	8	195,98	211	25	50	100	50	6
	10	242,71	257	30	60	115	65	8
	12	289,78	304	30	60	115	65	11
76,2	8	199,12	214	25	50	100	50	6
	10	246,59	261	30	60	115	65	8
	12	294,41	309	30	60	115	65	11
88,9	8	232,31	247	25	50	100	50	8
	10	287,69	302	30	60	115	65	10
	12	343,48	358	30	60	115	65	14
100	8	261,31	276	30	60	115	65	9
	10	323,61	338	30	60	115	65	12
	12	386,37	401	30	70	120	75	16
101,6	8	265,49	280	30	60	115	65	9
	10	328,78	344	30	60	115	65	12
	12	392,55	407	30	70	200	75	16
125*	8	326,64	341	30	60	115	65	13
	10	404,51	419	30	60	115	65	18
	12	482,96	498	30	70	120	75	23
127*	8	331,87	347	30	60	115	65	13
	10	410,98	426	30	60	115	65	18
	12	490,69	505	30	70	120	75	23

Despatch possible within 2 weeks

* : For chain wheels meshing with chains fitted with K attachment plates, the outside diameter of the wheel must be reduced:

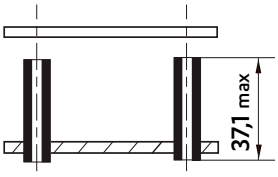
- De = 337 for an 8 tooth wheel, 125mm pitch
- De = 330 for an 8 tooth wheel, 127mm pitch

** : 50mm pitch wheels cannot be used with chains with flanged wheels.

CONNECTING LINKS

REF N° 205

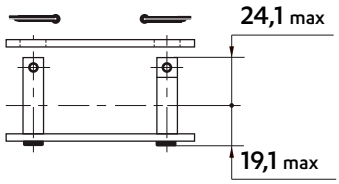
Outer link to be riveted



REF N° 208

Cottered connecting link

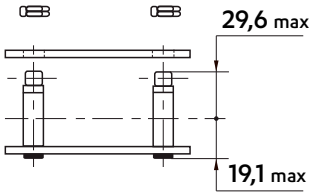
Warning: solid pins



REF N° 209

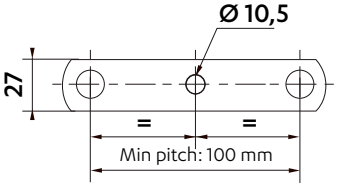
Connecting link with self-locking nuts

Warning: solid pins

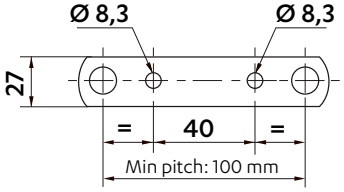


DRILLED PLATES

On outer and inner plates



1 HOLE

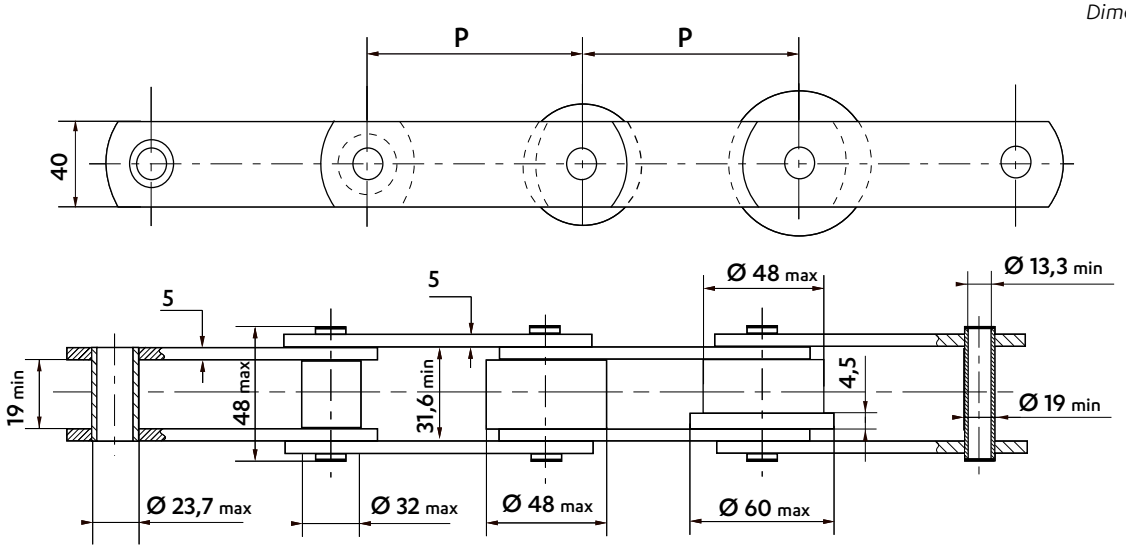


2 HOLES

BREAKING LOAD : 68 KN
WORKING SURFACE : 590 MM²
Pitches (P) : 75 / 100 / 125 / 135 / 150 / 160 / 175 / 200 mm
Intermediate pitches (P) on request

BS STANDARD CHAINS - *MC55 (ZM 54)*

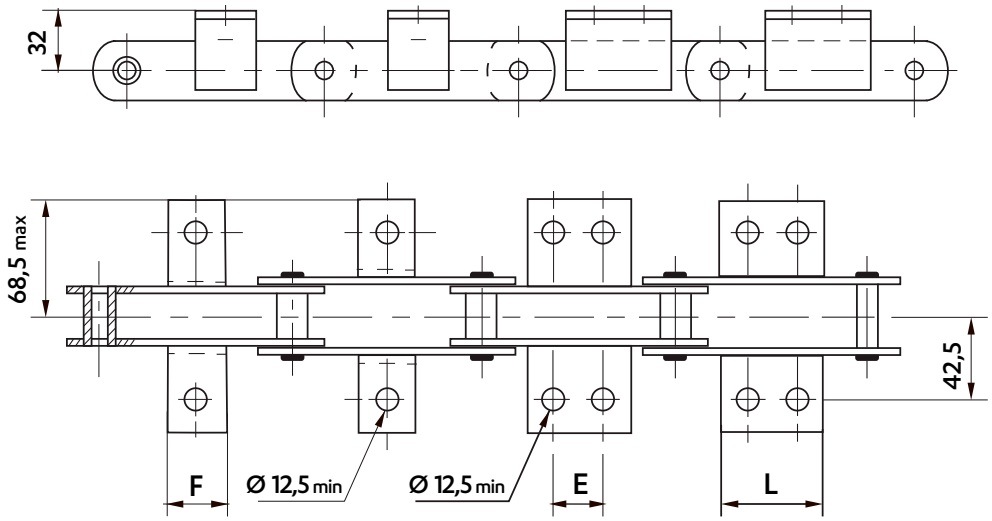
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *45 X 45 X 4,5*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm) K1 F	K2C E	K2C L	K2M E	K2M L	K2M E	K2M L	Weight of the chain (Kg/m) Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	Weight of the attachment (Kg/piece) K1	K2		
75	♦	♦	♦	♦	♦	♦	♦	4,4	5,1	7,0	-	-	-	-	-
76,2	♦	♦	♦	♦	♦	♦	♦	4,4	5,1	7,0	-	-	-	-	-
88,9	♦	♦	♦	♦	♦	♦	♦	4,1	4,7	6,3	6,9	-	-	-	-
100	45	♦	♦	♦	♦	♦	♦	4,0	4,5	6,0	6,5		-	-	-
101,6	45	♦	♦	♦	♦	♦	♦	4,0	4,5	6,0	6,4		-	-	-
125	45	32	55	♦	♦	♦	♦	3,8	4,2	5,4	5,8			-	-
127	45	32	55	♦	♦	♦	♦	3,8	4,4	5,4	5,7			-	-
150	45	58	85	58	85	♦	♦	3,6	4,0	4,9	5,2	0,18			-
152,4	45	58	85	58	85	♦	♦	3,6	3,9	4,9	5,2		0,28		-
175	45	90	118	58	85	90	118	3,5	3,7	4,6	5,0			0,28	
200	45	90	118	58	85	90	118	3,4	3,6	4,3	4,7				0,43
250	45	90	118	58	85	90	118	3,3	3,4	3,9	4,2				

Despatch possible within 3 weeks

♦ Not standard : possible to make on request.

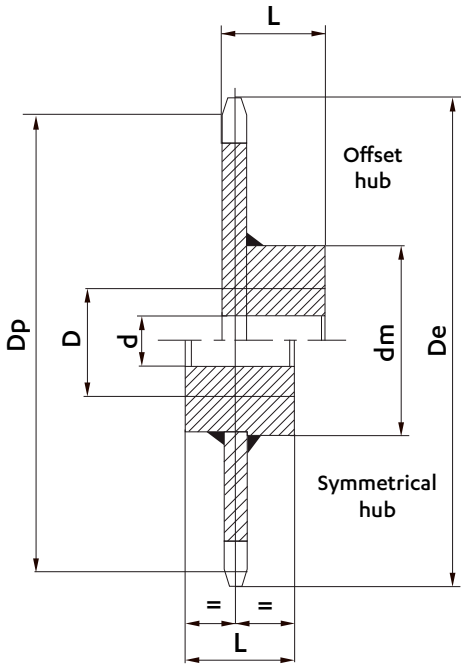
Dimensions in mm

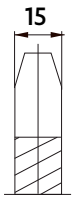
STANDARD CHAIN WHEELS

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

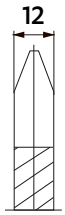
We can make on request:

- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**





For plain wheels

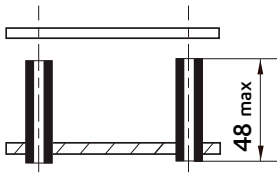


For flanged wheels

Pitch	Number of teeth	Dimensions (mm) Dp	De	d	D	Dm	L	Weight (kg/p)
75	8	195,98	215	25	50	120	80	7
	10	242,71	262	30	60	120	80	9
	12	289,78	309	30	60	120	80	14
76,2	8	199,12	218	25	50	120	80	7
	10	246,59	266	30	60	120	80	9
	12	294,41	313	30	60	120	80	14
88,9	8	232,31	251	25	50	120	80	9
	10	287,69	307	30	60	120	80	12
	12	343,48	362	30	60	120	80	17
100	8	261,31	280	30	60	120	80	11
	10	323,61	343	30	60	120	80	15
	12	386,37	405	30	70	120	80	20
101,6	8	265,49	284	30	60	120	80	11
	10	328,78	348	30	60	120	80	15
	12	392,55	412	30	70	120	80	20
125	8	326,64	346	30	60	120	80	16
	10	404,51	423	30	60	120	80	22
	12	482,96	502	30	70	120	80	29
127	8	331,87	351	30	60	120	80	16
	10	410,98	430	30	60	120	80	22
	12	490,69	510	30	70	120	80	29
150	8	391,97	411	30	70	120	80	22
	10	485,41	504	30	70	120	80	30
	12	579,56	599	40	70	120	80	39
152,4	8	398,24	417	30	70	120	80	22
	10	493,18	512	30	70	120	80	30
	12	588,83	608	40	70	120	80	39
175	CONSULT US							
200								
250								

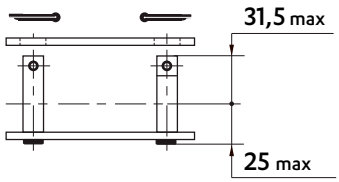
CONNECTING LINKS

REF N° 205
Outer link to be riveted



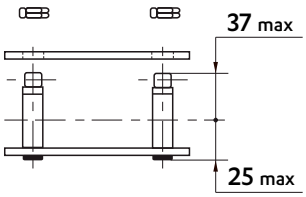
REF N° 208
Cottered connecting link

Warning: solid pins



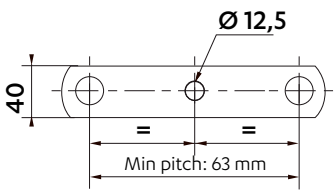
REF N° 209
Connecting link with self-locking nuts

Warning: solid pins

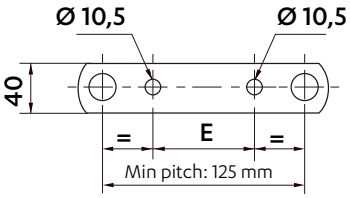


DRILLED PLATES

On outer and inner plates

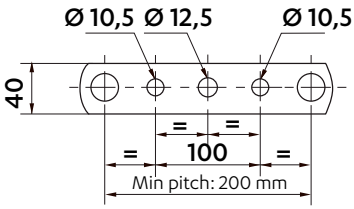


1 HOLE



2 HOLES

125mm pitch : E = 35 mm
150mm pitch : E = 60 mm
160mm pitch : E = 80 mm

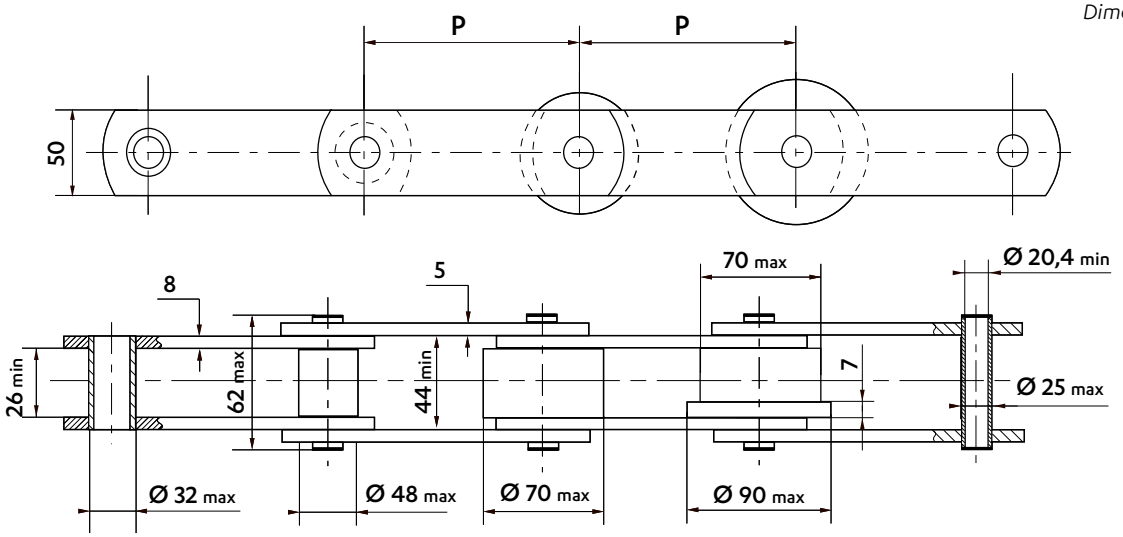


3 HOLES

BS STANDARD CHAINS - *MC110*

BREAKING LOAD : 110 KN
WORKING SURFACE : 1040 MM²
Pitches (P) : 100* / 125 / 135 / 150 / 160 / 175 / 200 / 203,2 mm
Intermediate pitches (P) on request
* The chains with these pitches can only be made with bushes (B) and small rollers (S)

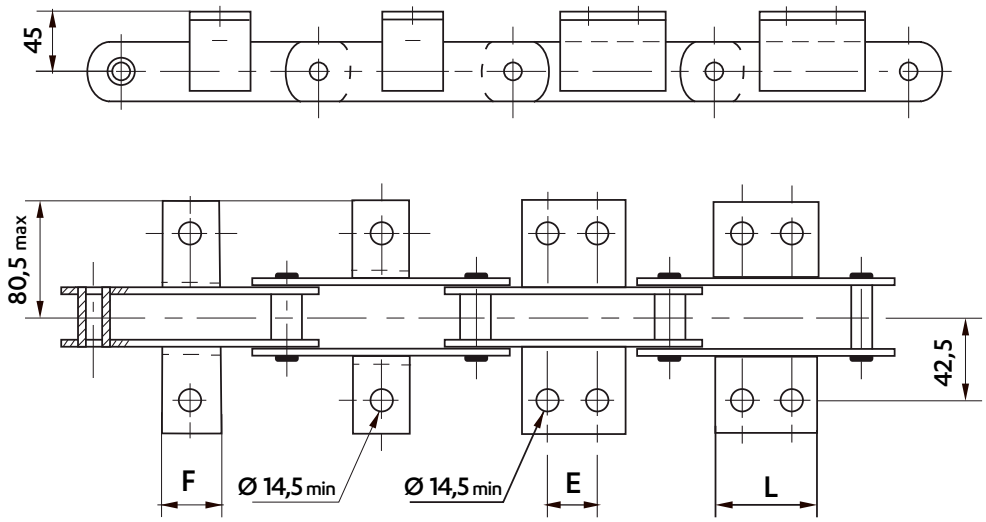
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *50 X 50 X 6*



Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

Pitch	Attachment dimensions (mm) K1 F	K2C E	K2C L	Weight of the chain (Kg/m) Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	Weight of the attachment (Kg/piece) K1	K2C
100	50	♦	♦	11,1	13,0	-	-	0,27	-
101,6	50	♦	♦	11,0	12,9	-	-		-
125	50	♦	♦	9,8	11,3	14,5	15,4		-
127	50	♦	♦	9,8	11,3	14,4	15,3		-
150 ♦	50	60	90	8,9	10,2	12,8	13,6		0,49
152,4	50	60	90	8,9	10,2	12,7	13,5		
160	50	60	90	8,8	10,0	12,5	13,2		
200	50	60	90	8,0	9,0	10,9	11,5		
203,2	50	60	90	8,0	9,0	10,9	11,4		
250	50	60	90	7,4	8,2	9,8	10,3		

Despatch possible within 3 weeks ♦ Not standard : possible to make on request.

Intermediate pitches are on request

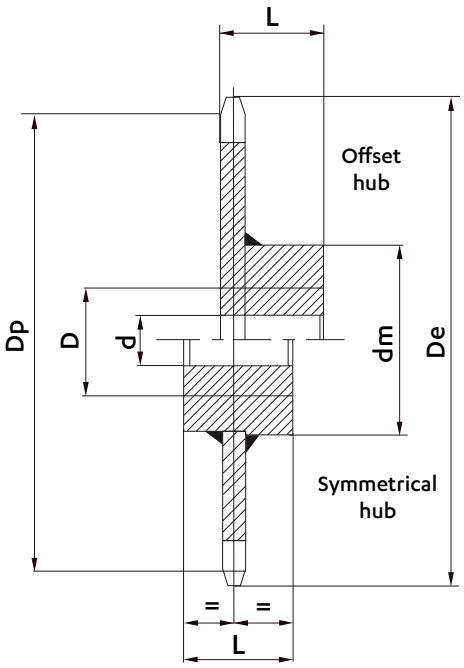
Dimensions in mm

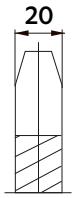
STANDARD CHAIN WHEELS

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

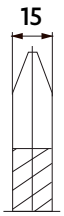
We can make on request:

- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**





For plain wheels



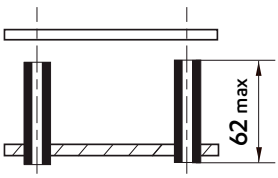
For flanged wheels

Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
100	8	261,31	287	30	90	150	80	18
	10	323,61	349	30	90	150	80	24
	12	386,37	412	30	90	150	80	28
101,6	8	265,49	291	30	90	150	80	18
	10	328,78	354	30	90	150	80	24
	12	392,55	418	30	90	150	80	28
125	8	326,64	352	30	90	151	80	20
	10	404,51	430	30	90	150	80	30
	12	482,96	509	30	90	150	80	40
127	8	331,87	357	30	90	1510	80	20
	10	410,98	437	30	90	150	80	30
	12	490,69	516	30	90	150	80	40
150	8	391,97	418	30	90	150	80	30
	10	485,41	511	30	90	150	80	42
	12	579,56	605	30	90	150	80	55
152,4	8	398,24	424	30	90	150	80	30
	10	493,18	519	30	90	150	80	42
	12	588,83	614	30	90	150	80	55
160	8	418,1	444	30	90	150	80	35
	10	517,77	543	30	90	150	80	50
	12	518,19	644	30	90	150	80	65
200	8	522,63	548	30	90	150	80	45
	10	647,21	673	30	90	150	80	65
	12	772,74	798	30	90	150	80	90
203,2	8	530,99	557	30	90	150	80	45
	10	657,57	683	30	90	150	80	65
	12	785,1	811	30	90	150	80	90

CONNECTING LINKS

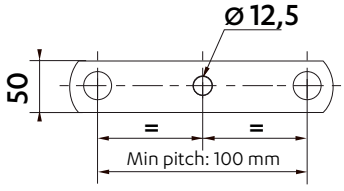
REF N° 205

Outer link to be riveted

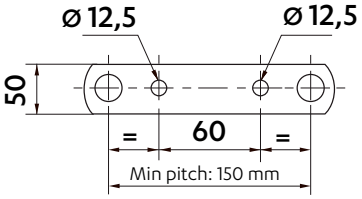


DRILLED PLATES

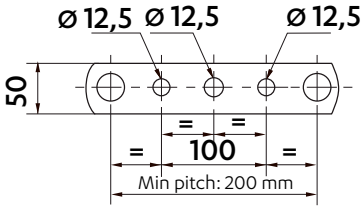
On outer and inner plates



1 HOLE



2 HOLES



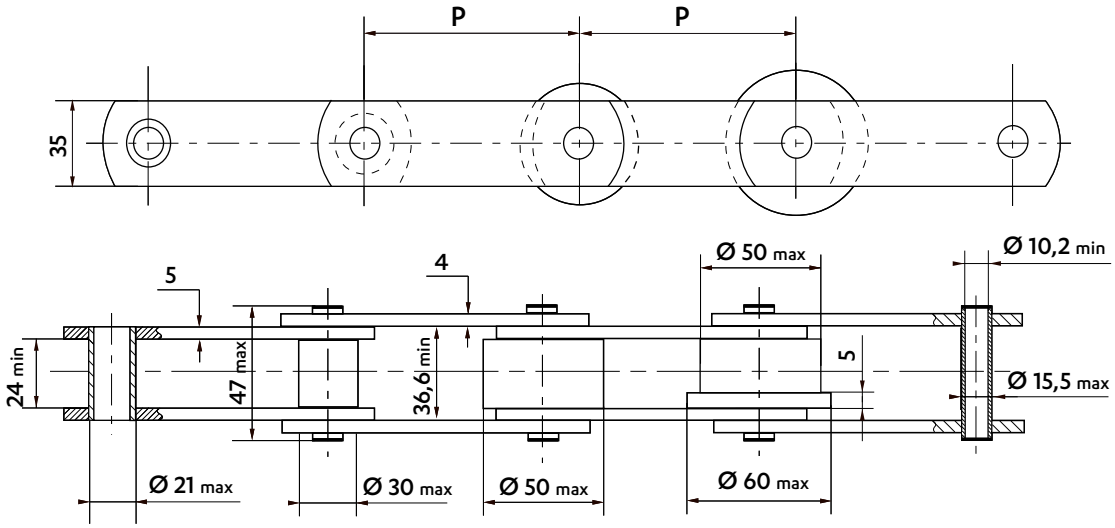
3 HOLES

NEW

BREAKING LOAD : 70 KN
WORKING SURFACE : 512 MM²
Pitches (P) : 80 / 100 / 125 / 160 / 200 / 250 mm
Intermediate pitches (P) on request

ISO STANDARD CHAINS - *MC56*

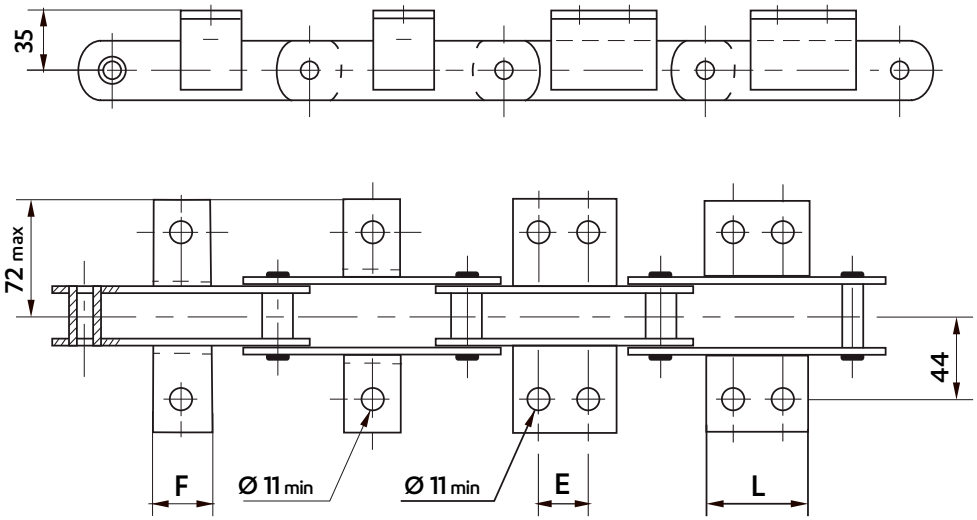
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *45 X 45 X 4,5*



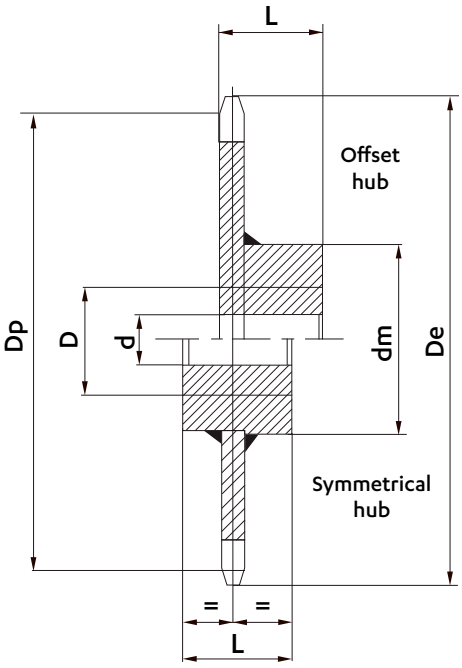
Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

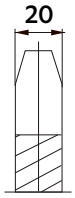
Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
80	♦	♦	♦	♦	♦	♦	♦	4,4	5,0	8,1	9,1	-	-	-	-
100	40	♦	♦	♦	♦	♦	♦	4,0	4,4	7,0	7,8	0,1	-	-	-
125	40	50	78	♦	♦	♦	♦	3,7	4,0	6,2	6,8		0,26	-	-
160	40	50	78	85	113	♦	♦	3,4	3,7	5,4	5,8			0,38	-
200	40	50	78	85	113	125	153	3,2	3,4	4,8	5,2				0,50
250	40	50	78	85	113	125	153	3,0	3,2	4,4	4,7				

♦ Not standard : possible to make on request.

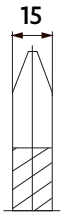
Dimensions in mm

STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

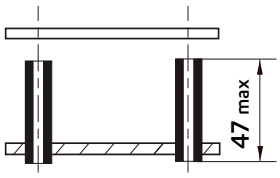
Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
100	8	261,31	275	30	80	120	80	13
	10	323,61	340	30	80	120	80	14
	12	386,37	404	30	100	150	100	23
	16	512,58	530	30	100	150	100	30
125	8	326,63	340	30	80	120	80	15
	10	404,51	420	30	100	150	100	24
	12	482,96	500	30	100	150	100	28
	16	640,72	658	40	120	170	120	44
160	8	418,09	432	30	100	150	100	25
	10	517,77	534	30	100	150	100	30
	12	618,19	635	40	120	170	120	41
	16	820,12	836	40	120	170	120	56
200	8	522,62	536	30	100	150	100	31
	10	647,22	660	40	120	170	120	44
	12	772,74	788	40	120	170	120	52
	16	1025,16	1042	40	140	190	140	82

Despatch possible within 2 weeks

CONNECTING LINKS

REF N° 205

Outer link to be riveted



DRILLED PLATES

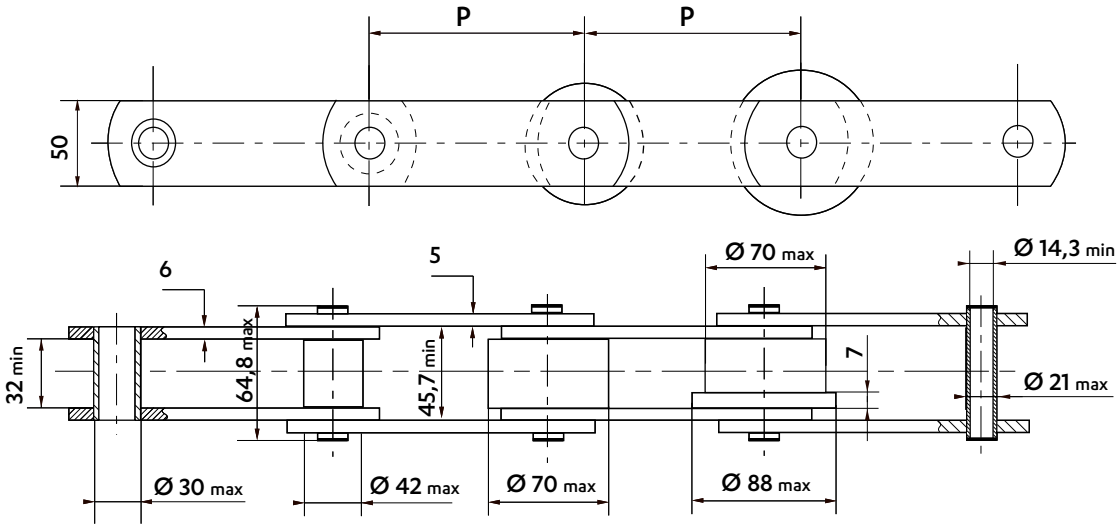
All drilled plates on request

NEW

BREAKING LOAD : 130 KN
WORKING SURFACE : 945 MM²
Pitches (P) : 100 / 125 / 160 / 200 / 250 / 315 mm
Intermediate pitches (P) on request

ISO STANDARD CHAINS - *MC112*

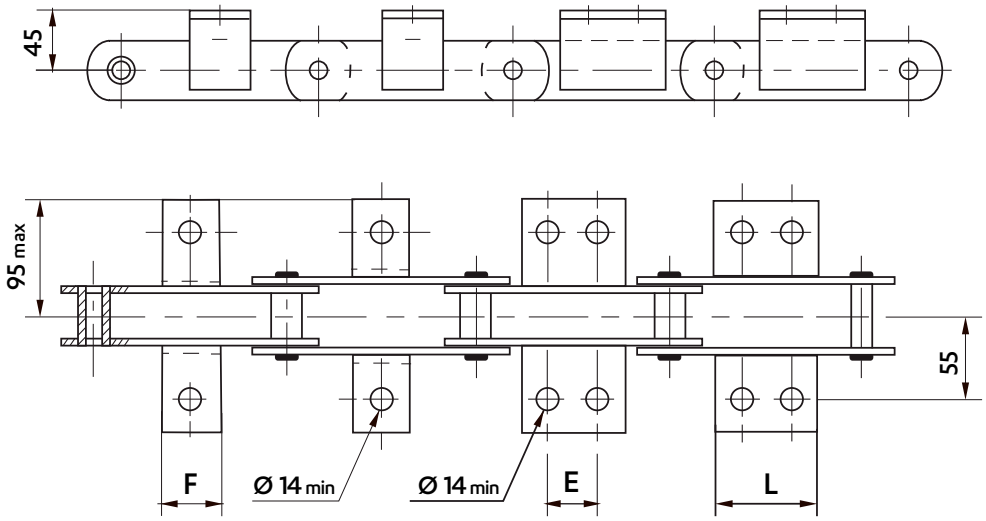
Dimensions in mm



WITH BUSHES	WITH SMALL ROLLER	WITH PLAIN WHEELS	WITH FLANGED WHEELS	*Types of articulation*
B	S	P	F	

Wheels in different materials can be supplied.

WELDED K1 & K2 ATTACHMENTS - *60 X 60 X 6*



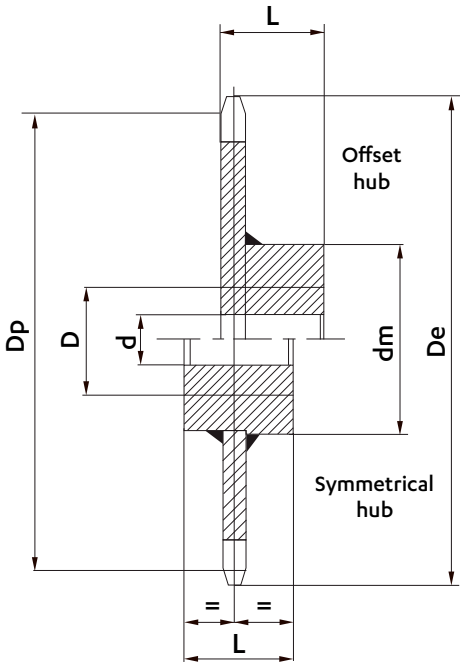
Frequency of attachments on request : on one or both sides of the chain, on inner and/or outer links

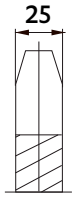
Pitch	Attachment dimensions (mm)							Weight of the chain (Kg/m)				Weight of the attachment (Kg/piece)			
	K1	K2C		K2M		K2L									
	F	E	L	E	L	E	L	Bush (B)	Roller (S)	Plain wheel (P)	Flanged wheel (F)	K1	K2C	K2M	K2L
100	♦	♦	♦	♦	♦	♦	♦	9,2	10,6	-	-	-	-	-	-
125	40	♦	♦	♦	♦	♦	♦	8,3	9,4	15,5	16,3	0,19	-	-	-
160	40	50	85	♦	♦	♦	♦	7,5	8,4	13,2	13,8		0,46	-	-
200	40	50	85	85	120	♦	♦	7,0	7,7	11,6	12,1			0,65	-
250	40	50	85	85	120	145	180	6,6	7,1	10,2	10,6				0,97
315	40	50	85	85	120	145	180	6,2	6,7	9,1	9,4				

♦ Not standard : possible to make on request.

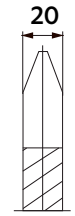
Dimensions in mm

STANDARD CHAIN WHEELS





For plain wheels



For flanged wheels

Sedis wheels are supplied made of machine-welded steel or of cast iron in some cases.
Teeth are raw casting or flame-cut, or machined for bush chains.
Wheels can be supplied bored and keyed.
For wheels with offset hub, the entry point of the key is placed at the same side as the teeth,unless specified otherwise.

We can make on request:
- **wheels with machined teeth**
- **wheels with a different number of teeth**
- **special wheels**

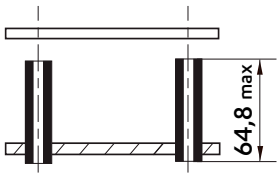
Pitch	Number of teeth	Dimensions (mm)						Weight (kg/p)
		Dp	De	d	D	Dm	L	
125	8	326,63	346	30	80	150	80	
	10	404,51	424	30	100	170	100	35
	12	482,96	506	30	100	170	100	39
	16	640,72	664	40	120	200	120	64
160	8	418,09	438	30	100	170	100	39
	10	517,77	540	30	100	170	100	42
	12	618,19	640	40	120	200	120	60
	16	820,12	844	40	120	200	120	80
200	8	522,62	542	30	100	170	100	43
	10	647,22	668	40	120	200	120	58
	12	772,74	794	40	120	200	120	76
	16	1025,16	1048	40	140	240	140	115
250	8	653,27	670	40	120	200	120	64
	10	809,02	830	40	120	200	120	79
	12	965,92	988	40	140	240	140	109
	16	1281,45	1304	40	140	240	140	153

Despatch possible within 2 weeks

CONNECTING LINKS

REF N° 205

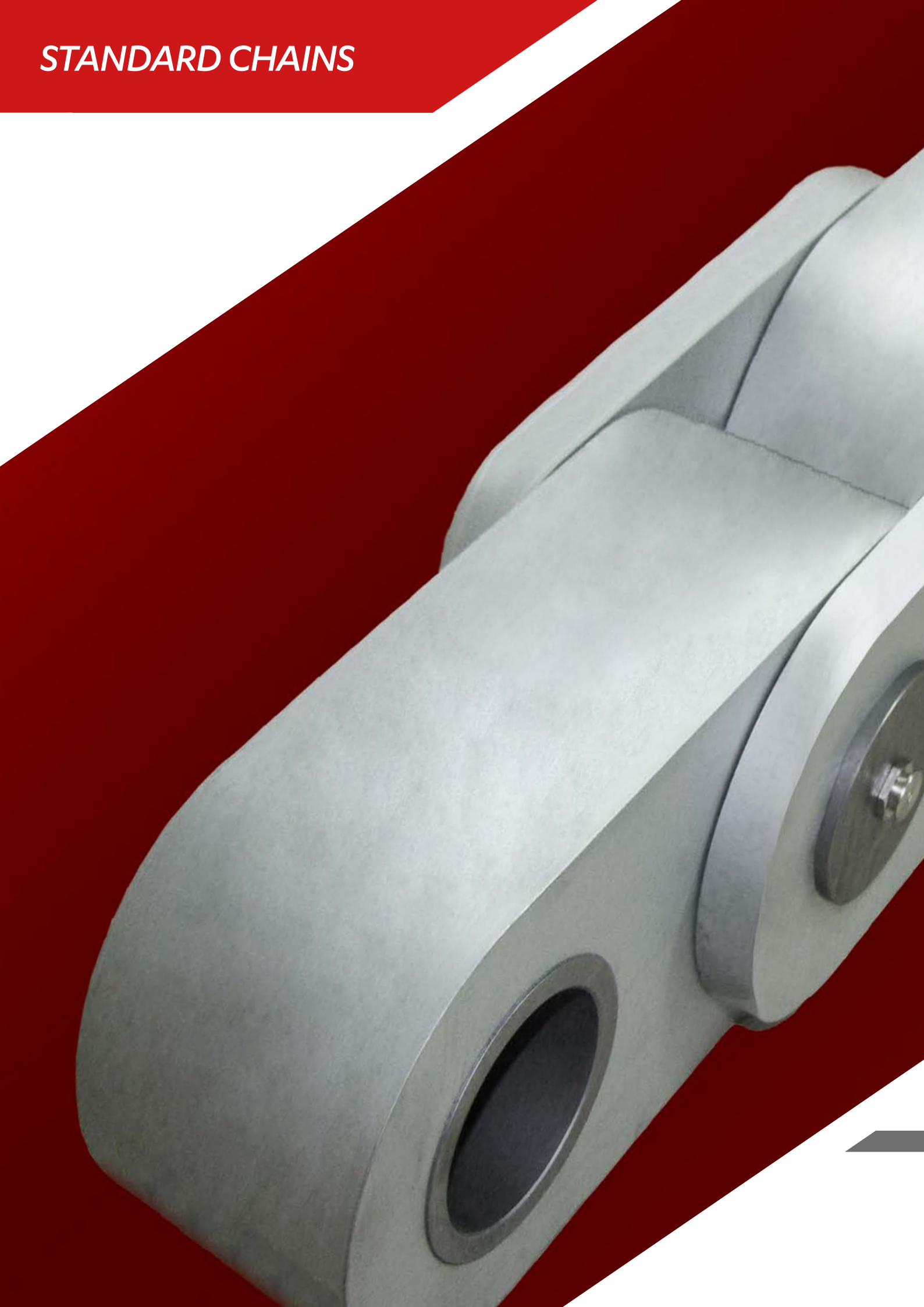
Outer link to be riveted

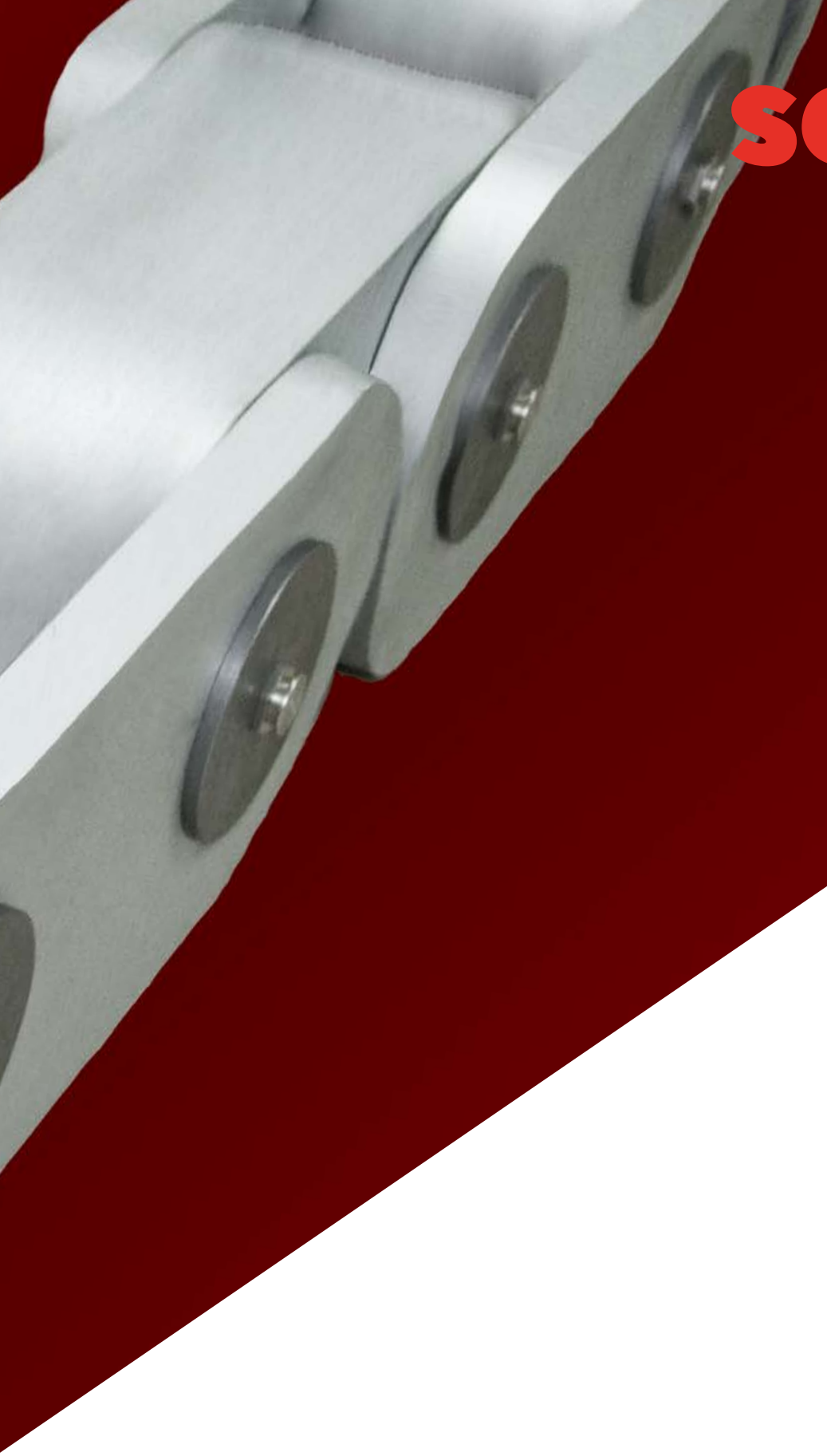


DRILLED PLATES

All drilled plates on request

STANDARD CHAINS





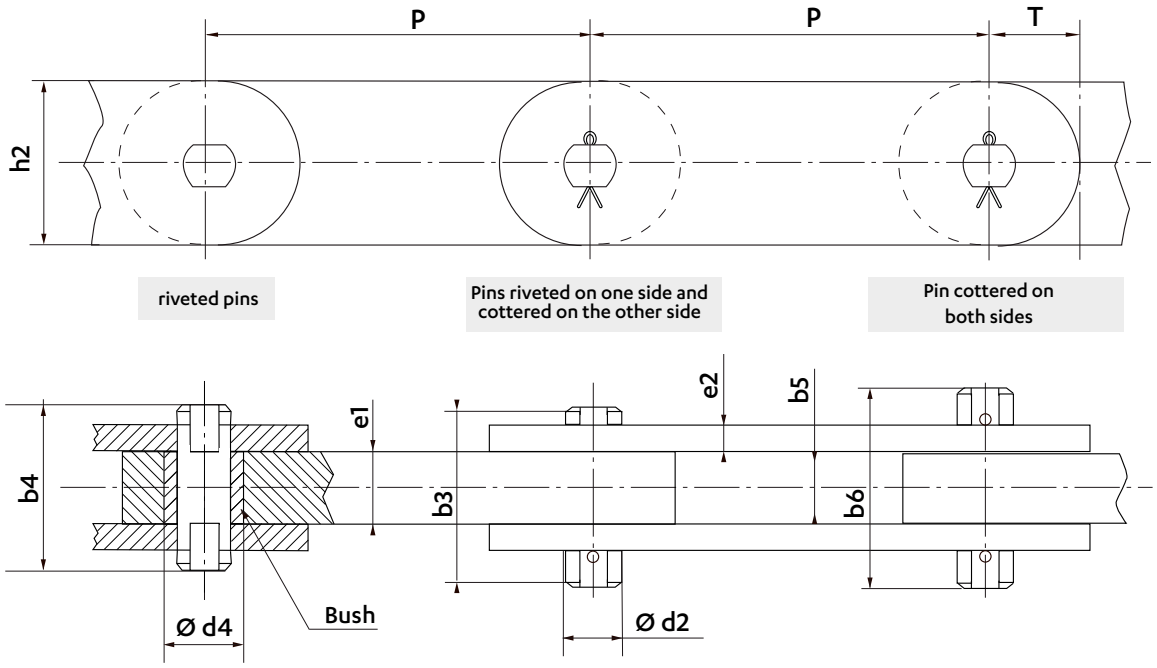
sedis

Block
CHAINS

BLOCK CHAINS TYPE BM

Dimensions in mm

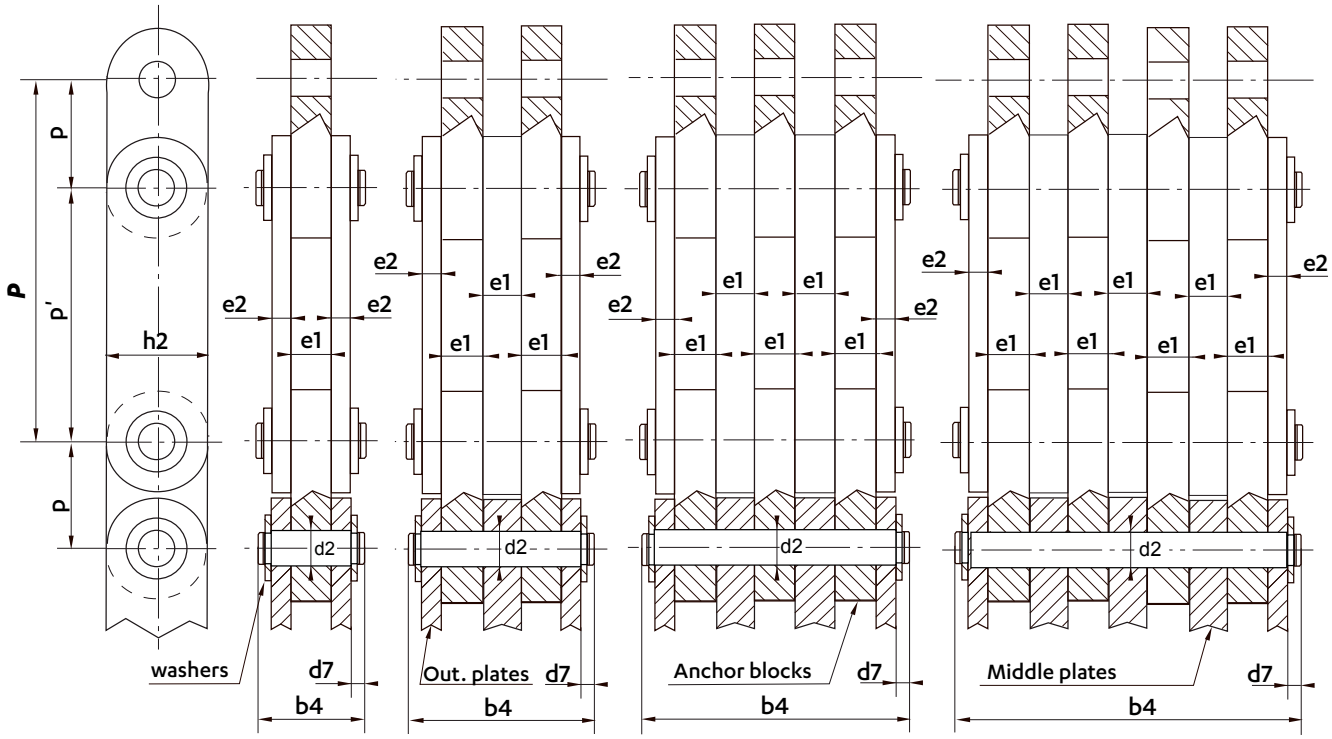
BM TYPE CHAINS



Chain ref	Pitch	Width	PINS				BLOCKS			PLATES		Working surface	Weight	Minimum breaking load
			Diameter	WIDTH			Height	Thickness	Bush Ø	Thickness	head length			
				Over the riveted pins	Over the riveted & cottered pins	Over the cottered pins								
	P	b3	d2	b4	b5	b6	h2	e1	d4	e2	T	mm²	kg/m	kN
BM 20 x 6	100	6.5	6.2	15	16.0	17	20	6	8.45	2	12.0	37	0.95	25
BM 20 x 8	100	8.5	6.2	19	20.0	21	20	8	8.45	3	12.0	49	1.32	36
BM 25 x 10	100	11.0	8.0	24	26.0	27	25	10	12.00	4	16.0	80	2.25	58
BM 30 x 12	100	13.0	11.0	29	31.0	33	30	12	15.80	5	18.0	132	3.40	76
BM 35 x 15	135	16.0	11.5	34	27.0	40	35	15	15.80	6	22.5	172	4.70	98
BM 40 x 20	135	22.0	14.0	40	45.0	50	40	20	19.00	6	25.0	280	6.70	150
BM 50 x 20	135	22.0	18.1	43	49.5	56	50	20	24.00	7	30.0	362	9.20	230
BM 60 x 25	210	27.0	24.0	57	64.0	71	60	25	31.00	10	35.0	600	13.60	330
BM 60 x 30	210	32.0	24.0	66	73.0	80	60	30	31.00	12	35.0	720	16.40	390
BM 70 x 30	180	32.0	26.0	64	71.0	78	70	30	36.00	11	40.0	780	20.0	450
BM 70 x 40	180	42.0	26.0	84	90.0	96	70	40	36.00	15	40.0	1040	26.60	540
BM 80 x 40	200	42.0	30.5	84	92.0	100	80	40	40.00	15	45.0	1220	30.40	720
BM 100 x 40	300	42.0	36.0	84	94.0	104	100	40	49.00	15	57.5	1440	36.50	900
BM 100 x 50	300	42.0	36.0	105	115.0	125	100	50	49.00	20	57.5	1800	47.00	1000
BM 120 x 50	300	42.0	39.0	105	117.0	129	120	50	56.00	20	67.0	1950	58.50	1300
BM 120 x 60	300	64.0	42.0	126	138.0	150	120	60	60.00	25	67.0	2520	71.40	1500

Dimensions in mm

B TYPE CHAINS *(FOR DRAW BENCHES)*



SIMPLEX | DUPLEX | TRIPLEX | QUADRUPLEX

Chain ref	BLOCK PITCH	PLATES PITCH		TOTAL PITCH (BLOCK + PLATE) P		BLOCKS & PLATES			PINS	
						Height	Block thickness	Plate thickness	Diameter	extended length
	p	p'min	p' max	(p + p'min)	(p + p'max)	h2	e1	e2	d2	d7
B 40	44	84	96	128	140	40	20	10	20	6,0
B 50	55	105	120	160	175	50	25	12	25	7,5
B 60	66	126	144	192	210	60	30	15	30	8,0
B 70	77	147	168	224	245	70	35	18	35	9,0
B 80	88	168	192	256	280	80	40	20	40	10,0
B 90	99	189	216	288	315	90	50	25	50	10,0
B 100	110	210	240	320	350	100	50	25	50	10,0
B 110	121	231	264	352	385	110	55	30	55	13,0
B 120	132	252	288	384	420	120	60	30	60	13,0
B 130	143	2736	312	416	455	130	65	35	65	13,0
B 140	154	294	336	448	490	140	70	35	70	13,0
B 150	165	315	360	480	525	150	75	40	75	13,0

ON REQUEST : Edges of blocks and plates can be treated by induction in case of very abrasive conditions.
Pitches which are not in the table are on request.

BLOCK CHAINS - TYPE B

Dimensions in mm

B TYPE CHAINS *(FOR DRAW BENCHES)*

SIMPLEX AND DUPLEX CHAINS

OPTION 1 : entirely made from untreated steel

OPTION 2 : entirely made from treated steel

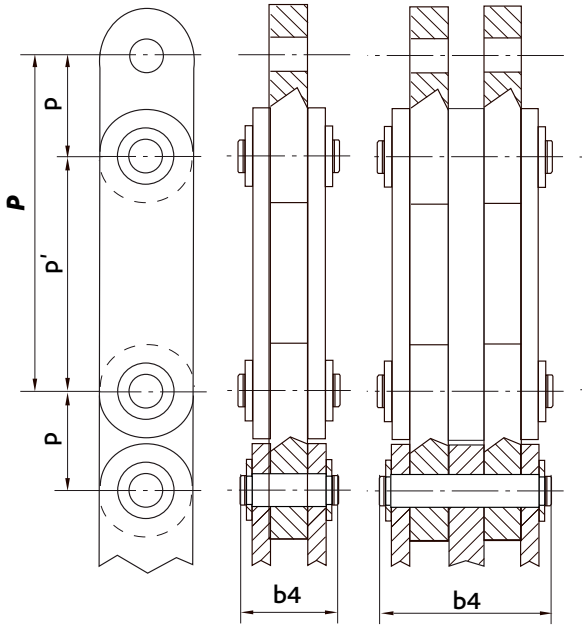
OPTION 3 : entirely made from treated alloy steel

SAFETY FACTOR:

OPTION 1 **: K = 4,5**

OPTION 2 **: K = 6**

OPTION 3 **: K = 7,5**



Maximum acceptable presure in the articulations : p = 100 MPa (N/mm²)

Chain ref	Working load	Min. breaking load			Max. linear speed			Width over riveted pins	Weight	
		Option I	Option II	Option III	Option I	Option II	Option III		p'min	p'max
	kN	kN			m/min			b4	kg/m	
SIMPLEX CHAINS										
B 40.1	40	180	240	300	90	120	150	55	10,5	10,2
B 50.1	60	270	360	450	90	120	150	67	16,0	15,5
B 60.1	90	400	540	670	85	110	140	79	23,5	22,8
B 70.1	120	540	720	900	80	103	130	92	32,3	31,4
B 80.1	160	720	960	1200	73	95	120	104	41,8	40,7
B 90.1	200	900	1200	1500	67	88	110	124	58,0	56,0
B 100.1	250	1120	1500	1880	60	80	100	124	64,0	62,0
B 110.1	300	1350	1800	2250	54	72	90	145	83,0	80,0
B 120.1	360	1620	2160	2700	48	64	80	150	93,0	90,0
B 130.1	420	1890	2520	3150	42	56	70	165	113,0	110,0
B 140.1	490	2200	2940	3670	36	48	60	170	125,0	121,0
B 150.1	560	2520	3360	4 200	30	40	50	191	151,0	147,0
DUPLEX CHAINS										
B 40.2	80	360	480	600	90	120	150	97	20,2	19,7
B 50.2	120	540	720	900	90	120	150	119	31,0	30,0
B 60.2	180	810	1080	1340	85	110	140	141	45,5	44,2
B 70.2	240	1080	1440	1800	80	103	130	164	62,0	60,0
B 80.2	320	1440	1920	2400	73	95	120	186	81,0	79,0
B 90.2	400	1800	2400	3000	67	88	110	226	113,0	110,0
B 100.2	500	2250	3000	3760	60	80	100	226	125,0	121,0
B 110.2	600	270	3600	4500	54	72	90	257	161,0	156,0
B 120.2	720	3240	4320	5400	48	64	80	272	181,0	175,0
B 130.2	840	3780	5040	6300	42	56	70	297	220,0	214,0
B 140.2	980	4400	5880	7340	36	48	60	312	244,0	237,0
B 150.2	1120	5040	6720	8400	30	40	50	343	294,0	286,0

Dimensions in mm

B TYPE CHAINS *(FOR DRAW BENCHES)*

TRIPLEX AND QUADRUPLEX CHAINS

OPTION 1 : entirely made from untreated steel

OPTION 2 : entirely made from treated steel

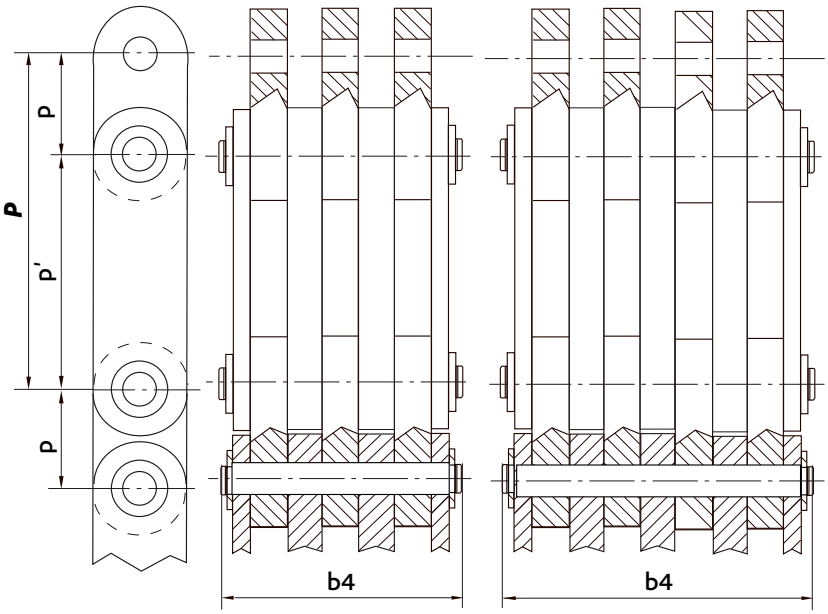
OPTION 3 : entirely made from treated alloy steel

SAFETY FACTOR :

OPTION 1 **: K = 4,5**

OPTION 2 **: K = 6**

OPTION 3 **: K = 7,5**



TRIPLEX | QUADRUPLEX

Maximum acceptable presure in the articulations : p = 100 MPa (N/mm²)

Chain ref	Working load	Min. breaking load			Max. linear speed			Width over riveted pins	Weight	
		Option I	Option II	Option III	Option I	Option II	Option III		p'min	p'max
	kN	kN			m/min			b4	kg/m	
TRIPLEX CHAINS										
B 40.3	120	540	720	900	90	120	150	139	30,0	29,2
B 50.3	180	810	1080	1350	90	120	150	171	46,0	45,0
B 60.3	270	1210	1620	2010	85	110	140	203	67,5	65,5
B 70.3	360	1620	2160	2700	80	103	130	236	93,0	90,0
B 80.3	480	2160	2880	3600	73	95	120	268	120,0	117,0
B 90.3	600	2700	3600	4500	67	88	110	328	168,0	163,0
B 100.3	750	3370	4500	5640	60	80	100	328	186,0	180,0
B 110.3	900	4050	5400	6750	54	72	90	369	239,0	232,0
B 120.3	1080	4860	6480	8100	48	64	80	394	269,0	261,0
B 130.3	1260	5670	7560	9450	42	56	70	429	328,0	319,0
B 140.3	1470	6600	8820	11 010	36	48	60	454	364,0	353,0
B 150.3	1680	7560	10 080	12 600	30	40	50	495	438,0	426,0
QUADRUPLEX CHAINS										
B 40.4	160	720	960	1200	90	120	150	181	39,7	38,7
B 50.4	240	1080	1440	1800	90	120	150	223	61,0	59,0
B 60.4	360	1620	2160	2680	85	110	140	265	90,0	87,0
B 70.4	480	2160	2880	3600	80	103	130	308	123,0	120,0
B 80.4	640	2880	3840	4800	73	95	120	350	159,0	154,0
B 90.4	800	3600	4800	6000	67	88	110	430	223,0	216,0
B 100.4	1000	4500	6000	7520	60	80	100	430	247,0	239,0
B 110.4	1200	5400	7200	9000	54	72	90	481	318,0	308,0
B 120.4	1440	6480	8640	10 800	48	64	80	516	357,0	347,0
B 130.4	1680	7560	10 080	12 600	42	56	70	561	436,0	426,0
B 140.4	196	8800	1176	14 680	36	48	60	596	485,0	470,0
B 150.4	2240	10 080	13 440	16 800	30	40	50	647	581,0	565,0

STANDARD CHAINS

sedis

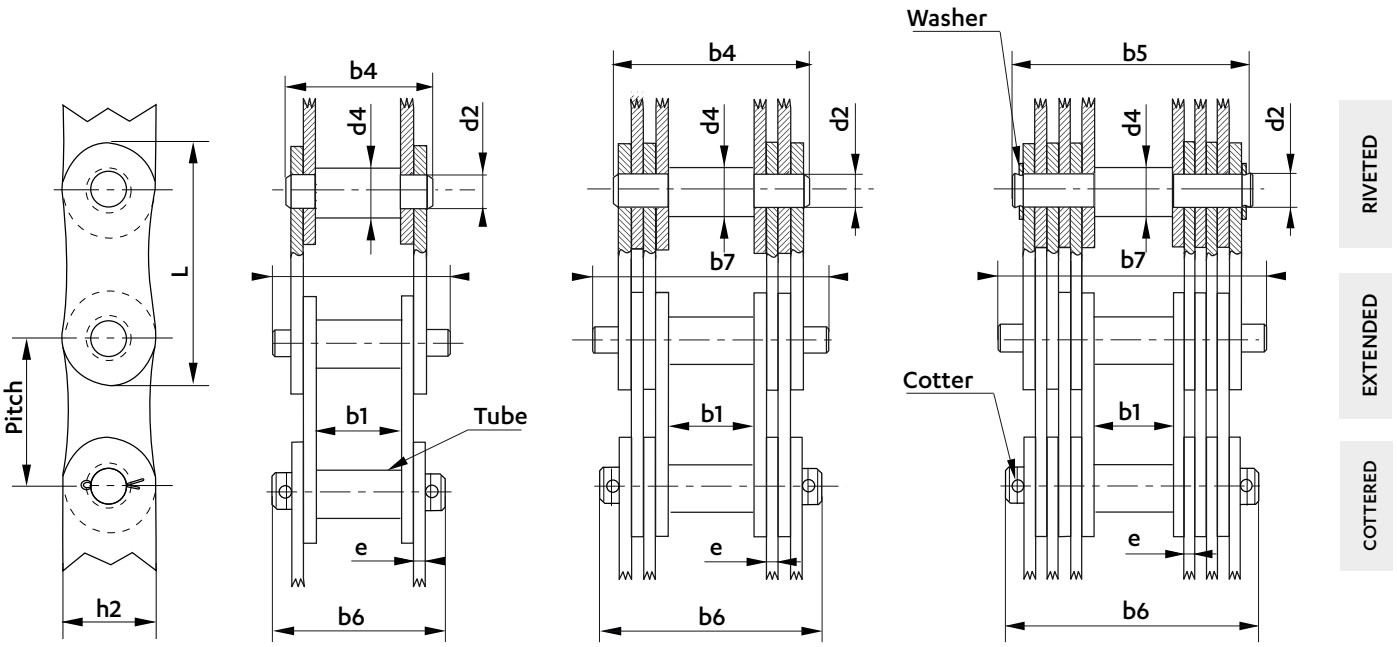
Galle

CHAINS

GALLE CHAINS WITH WAISTED PLATES

Dimensions in mm

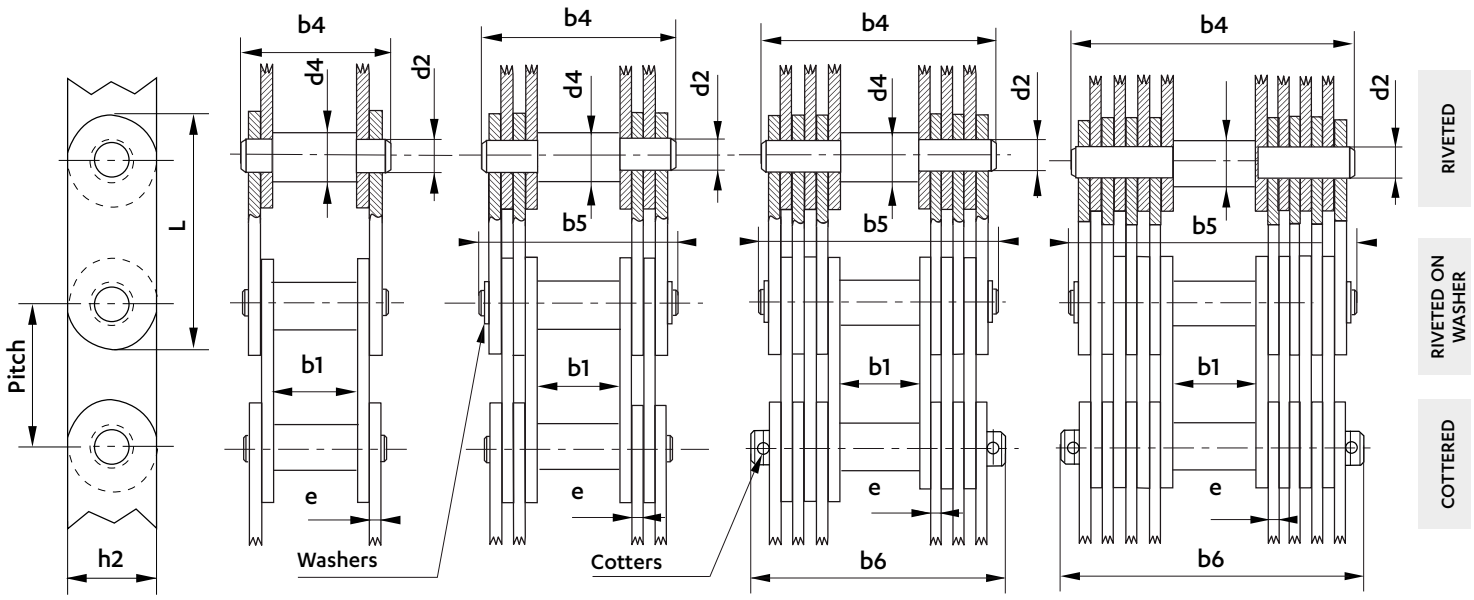
WAISTED PLATES - *DIN 8150 SERIES*



Chain ref	Pitch	BEARING PINS							PLATES			Minimum breaking load	Working surface	Weight
		Diameter	Width between inner plates	Holding Ø	WIDTH over riveted pins	WIDTH over riveted pins with washer	WIDTH Extended	WIDTH Cottered	Width	Thickness	Length			
	P	d4	b1	d2	b4	b5	b7	b6	h2	e	L	kN	mm²	kg/m
SIMPLEX														
110	20	8	15	6	28,5	-	-	32	15,0	2	36,0	12,5	23	1,0
111	25	10	18	9	35,5	-	67	41	18,5	3	47,0	25,0	50	2,0
DUPLEX														
113	30	11	20	9	51,0	-	87	57	20,0	3	54,5	40,0	110	4,0
115	35	12	22	10	54,0	-	92	60	25,0	3	65,0	60,0	120	5,0
116	40	14	25	12	57,0	-	101	65	30,0	3	74,0	80,0	144	5,0
117	45	17	30	15	62,0	-	107	69	36,0	3	84,0	100,0	171	7,1
TRIPLEX														
118	50	22	35	18	-	89	140	96	38,0	3	89,0	150,0	324	11,2
119	55	24	40	21	-	107	162	114	41,0	4	104,0	200,0	504	15,0

Dimensions in mm

STRAIGHT SIDE PLATES - *FRENCH SERIES*



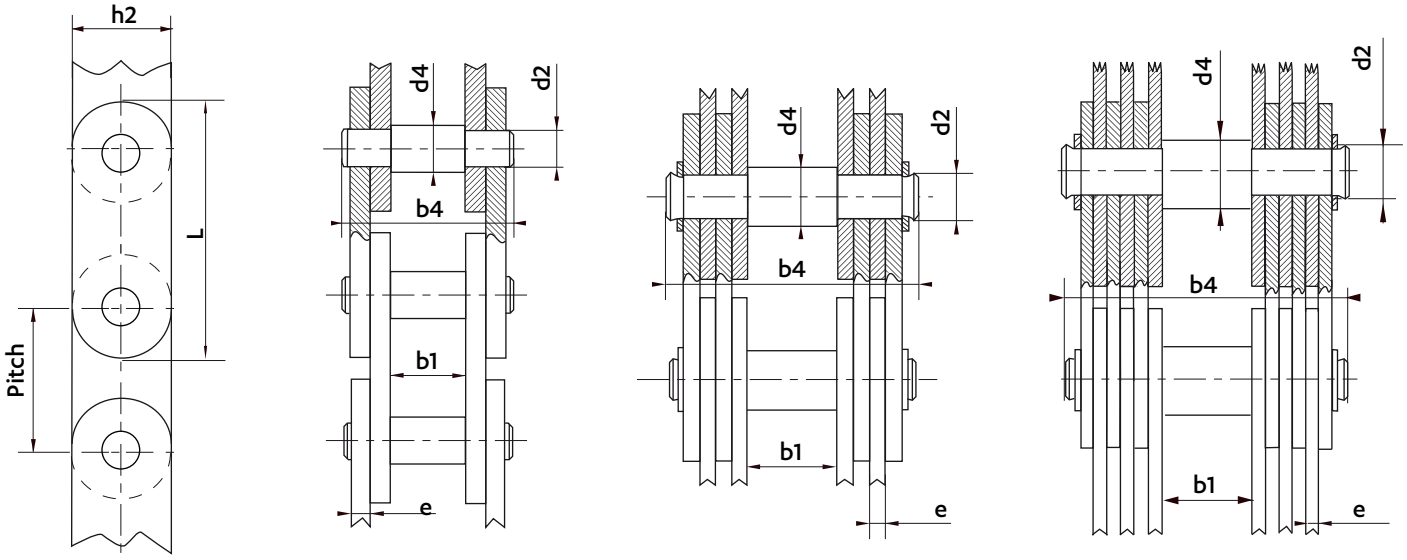
SIMPLEX | **DUPLEX** | **TRIPLEX** | **QUADRUPLEX**

Chain ref	Pitch	BEARING PINS			WIDTH			PLATES					
		Diameter	Width between inner plates	Holding Ø	over riveted pins	over riveted pins with washer	Over cottered pins	Width	Thickness	Length	Minimum breaking load	Working surface	Weight
	P	d4	b1	d2	b4	b5	b6	h2	e	L	kN	mm²	kg/m
SIMPLEX													
27	21	8	15	6,7	32	-	-	16,5	3	39,5	15	39	1,62
DUPLEX													
28	23	9	16	7,4	39	41	-	19,0	2	44,0	25	59	2,45
29	28	10	18	7,9	42	44	-	23,0	2	54,0	35	63	3,05
30	32	12	21	9,9	53	57	-	25,0	3	62,5	50	118	4,77
31	38	14	24	11,6	56	60	-	31,8	3	73,3	60	136	6,66
TRIPLEX													
32	41	17	28	13,8	73	79	83	34,0	3	79,0	100	250	9,69
33	44	19	32	15,8	90	96	99	36,0	4	86,0	160	380	13,75
34	51	20	35	16,8	94	103	104	42,0	4	1000,0	150	400	17,51
35	66	23	40	19,5	100	108	110	55,0	4	129,0	225	460	20,75
QUADRUPLEX													
36	71	28	45	23,0	124	129	133	60,0	4	140,0	300	725	30,00
38	86	34	55	29,8	150	161	165	75,0	5	168,0	450	1200	48,74
39	100	40	65	35,6	178	185	200	85,0	6	198,0	650	1700	60,10
41	130	50	80	44,0	228	241	245	108,0	8	252,0	950	2800	108,00

STRAIGHT SIDE PLATES GALLE CHAINS

Dimensions in mm

STRAIGHT SIDE PLATES - *1961 SERIES*



SIMPLEX | **DUPLEX** | **TRIPLEX**

Options	Plates	Bearing pins	Safety factor K to be applied	Max. speed m/min	Max. pressure on articulation MPa (N/mm²)
Option I	Untreated steel	Untreated steel	5,0	20	80
Option II	Untreated steel	Untreated steel	5,5	30	100
Option III	Treated steel	Treated steel	6,0	40	110
Option+ IV	Treated alloy steel	Treated alloy steel	6,0	40	110

ABOVE THE MAXIMUM PRESSURE THE LUBRICATION OF THE ARTICULATIONS IS NO LONGER GUARANTEED

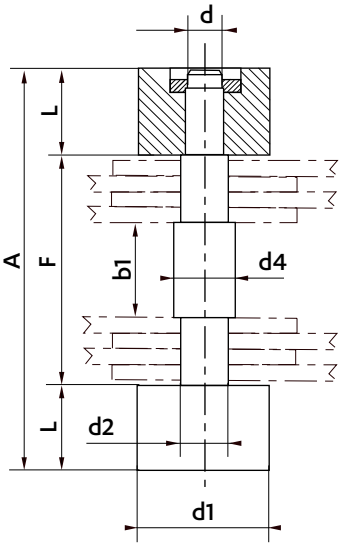
Chain ref	Pitch	BEARING PINS				PLATES			MIN. BREAKING LOAD				Working surface	Weight
		Diameter	Width between inner plates	Holding Ø	Width over riveted pins	Width	Thickness	Length	Option I	Option II	Option III	Option IV		
		d4	b1	d2	b4	h2	e	L	kN				mm²	kg/m
SIMPLEX (RIVETED ON LINK)														
G 20	20	8	10	7,2	32	16	4	38	25,6	32	38,4	-	57,6	2,3
G 25	25	10	13	9,0	39	20	5	48	40,0	50	60,0	-	90,0	3,6
DUPLEX (RIVETED ON WASHER)														
G 30	30	12	15	10,8	51	25	3	58	57,6	72	86,4	100	129,0	5,1
G 40	40	16	20	14,4	68	34	4	77	102,4	128	153,6	180	230,0	9,0
G 50	50	20	25	18,0	81	40	5	96	160,0	200	240,0	280	360,0	14,0
G 60	60	24	30	21,6	97	50	6	116	230,4	288	345,6	400	518,0	20,2
G 75	75	30	38	27,0	126	60	8	144	360,0	450	540,0	630	864,0	31,5
G90	90	36	45	32,4	143	70	9	170	518,4	648	777,6	900	1166,0	45,5
G 105	105	42	53	37,8	173	80	11	197	705,6	882	1058,0	1230	1663,0	62,0
TRIPLEX (RIVETED ON WASHER)														
G 120	120	48	60	43,2	186	100	8	234	921,6	1152	1383,0	1600	2073,0	81,0
G 135	135	54	68	48,6	220	110	10	260	1166,4	1458	1750,0	2040	2916,0	102,0
G 150	150	60	75	54,0	229	120	10	286	1440,0	1800	2160,0	2520	3240,0	126,0
G 170	170	68	85	61,2	267	140	12	325	1849,6	2312	2775,0	3240	4405,0	162,0
G 195	195	78	98	70,2	298	160	13	370	2433,6	3042	3650,0	4260	5475,0	213,0
G 220	220	88	110	79,2	336	180	15	420	3097,6	3872	4647,0	5420	7128,0	271,0
G 245	245	98	123	88,2	392	200	18	470	3841,6	4802	5763,0	6700	9525,0	336,0

Dimensions in mm

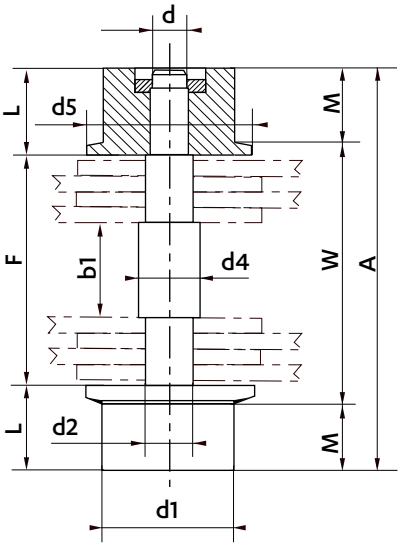
STRAIGHT SIDE PLATES *- 1961 SERIES*

BEARING PINS WITH ACCUMULATION WHEELS

PLAIN WHEELS

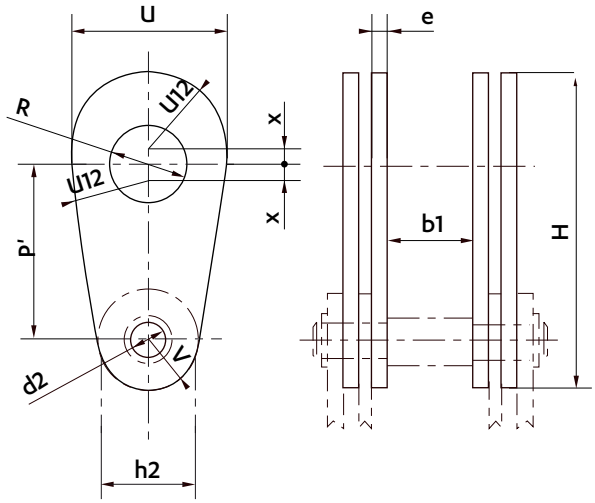


FLANGED WHEELS



SPECIAL ATTACHMENT LINKS

Only valid for options I and II

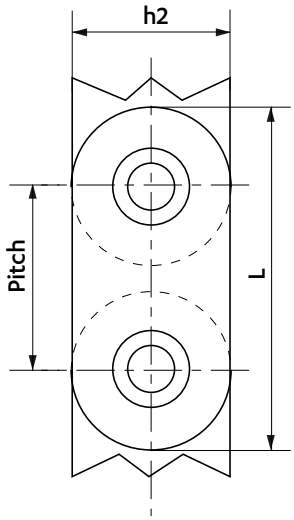


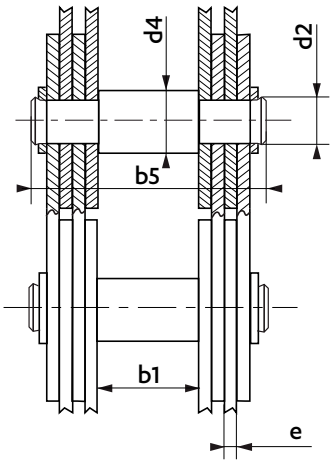
Chain ref	PINS WITH OUTBOARD WHEELS								SPECIAL ATTACHMENT LINKS							
	Wheels				Extended Bearing Pins											
	Plain diameter	Flanged diameter	Overalll width	Bearing width	Diameter	Width over flange	Width between wheels	Overall width	Pitch	Diameter in chain	Fixing hole diameter	major diameter	Small radius	Safety travel	Overall length	Thickness
	d1	d5	L	M	d	W	F	A	P'	d2	R	U	V	X	H	e
SIMPLEX																
G 20	-	-	-	-	-	-	-	-	30	7,2	14	28	9,0	1,5	54,5	4
G 25	-	-	-	-	-	-	-	-	38	9,0	18	36	12,0	2,0	70,0	5
DUPLEX																
G 20	20	25	14,5	9	8	54	43	72	45	10,8	20	40	14,5	2,0	81,5	3
G 40	25	32	17,0	12	10	70	60	94	60	14,4	28	56	19,0	3,0	110,0	4
G 50	30	40	20,0	14	14	84	72	112	76	18,0	36	72	23,0	3,5	138,5	5
G 60	40	50	26,0	19	17	101	86	138	90	21,6	42	84	29,0	4,0	165,0	6
G 75	50	65	34,0	24	23	134	114	182	115	27,0	55	110	35,0	5,0	201,0	8
G 90	60	80	37,0	27	28	150	130	204	135	32,4	65	130	41,0	6,0	247,0	9
G 105	70	90	46,0	34	30	181	157	249	160	37,8	75	150	47,0	7,0	289,0	11
TRIPLEX																
G 120	80	100	50,0	40	35	192	172	272	180	43,2	80	160	58,0	8,0	326,0	8
G 135	90	110	54,0	43	36	228	206	314	205	48,6	90	180	63,0	9,0	367,0	10
G 150	100	120	58,0	47	40	235	213	329	230	54,0	110	220	69,0	10,0	419,0	10
G 170	110	130	63,0	50	50	275	259	375	260	61,2	120	240	80,0	12,0	472,0	12
G 195	130	160	77,0	60	60	320	276	430	300	70,2	140	280	88,0	14,0	542,0	13
G 220	140	170	83,0	65	60	348	312	478	330	79,2	160	320	103,0	16,0	609,0	15
G 245	150	180	84,0	65	70	408	370	538	370	88,2	170	340	115,0	17,0	672,0	18

STRAIGHT SIDE PLATES GALLE CHAINS

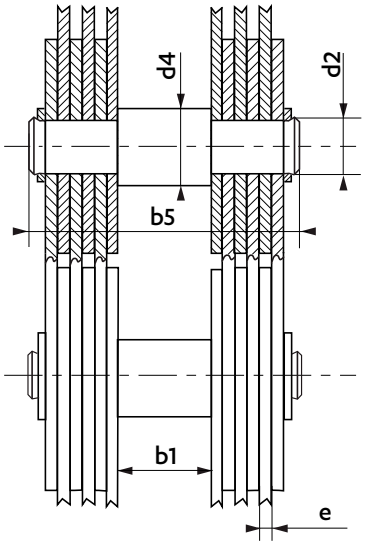
Dimensions in mm

STRAIGHT SIDE PLATES - *HEAVY DUTY SERIES*





DUPLEX

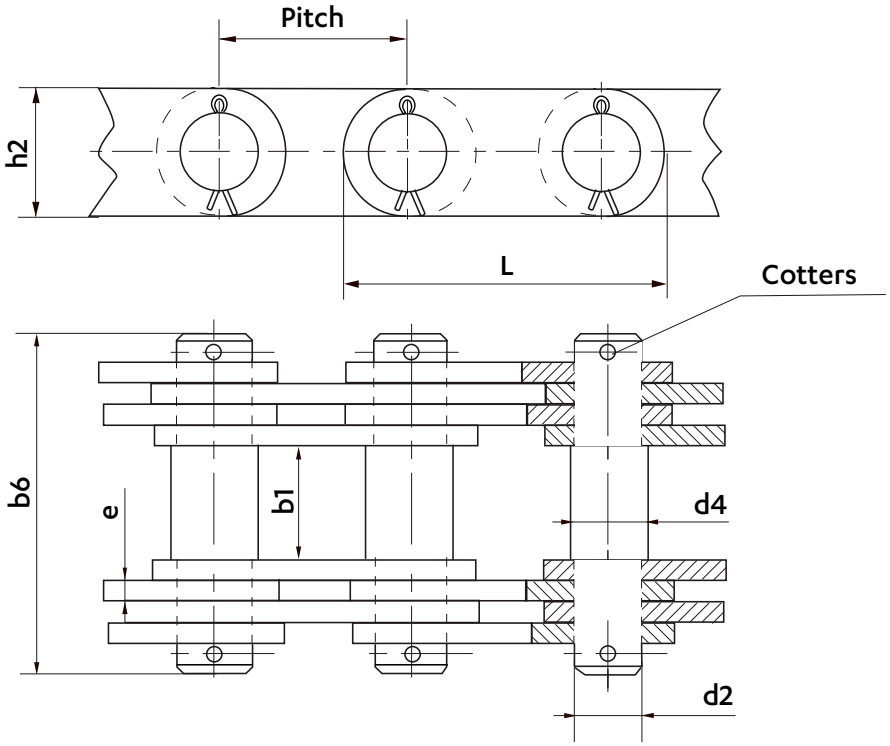


TRIPLEX

Chain ref	Pitch	BEARING PINS				PLATES					
		Pin Ø	Width between inner plates	shouldered pin Ø	Width over the pins riveted on washers	Height	Thickness	Length	Min. Breaking load	Working surface	Weight
		d4	b1	d2	b5	h2	e	L	kN	mm²	kg/m
DUPLEX											
300	32	12	18	10	57,0	22	3	62	50	107	4,5
301	36	15	20	12	63,5	26	4	70	75	184	7,0
302	43	18	24	15	70,0	32	4	83,5	100	220	9,0
TRIPLEX											
303	50	21	28	18	92,0	38	4	97	150	415	14,0
304	58	24	32	21	97,0	42	4	100	200	490	17,0
305	68	28	35	24	102,0	50	4	129	250	560	21,0
306	82	34	40	29	120,4	60	5	160	375	855	30,0

Dimensions in mm

STRAIGHT SIDE PLATE CHAINS FOR DRAW BENCHES

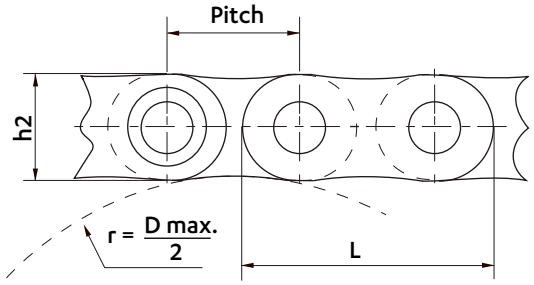


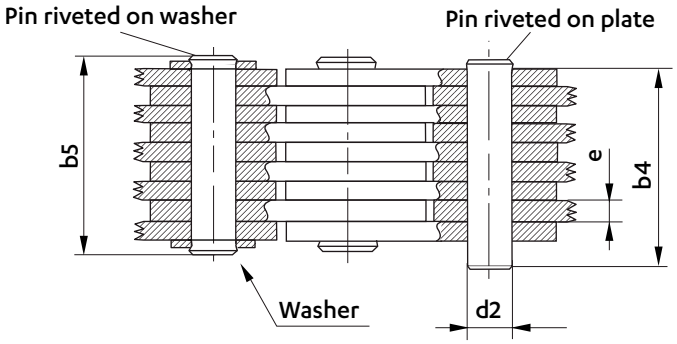
Chain ref	Pitch	PINS				PLATES			Breaking load	Working surface	Weight
		Diameter	Width between inner plates	Extended pin Ø	Width over the cottered pins	Thickness	Height	Length			
	P	d4	b1	d2	b6	e	h2	L	kN	mm²	kg/m
DUPLEX											
200	50	21	28	18.3	87	5	35	90	150	360	12
201	60	25	35	20.4	105	6	45	107	250	490	18
202	75	32	40	27.2	115	6	60	140	375	650	25
203	85	35	50	30.1	142	8	70	165	500	960	35
204	100	42	60	35.7	173	10	80	190	750	1420	48
205	120	48	70	42.0	204	12	90	225	1000	2010	65
206	150	60	80	53.0	224	12	120	285	1500	2540	85
207	180	68	90	55.0	250	14	140	340	2000	3080	130

BALANCE LEAF CHAINS

Dimensions in mm

BALANCE LEAF CHAINS



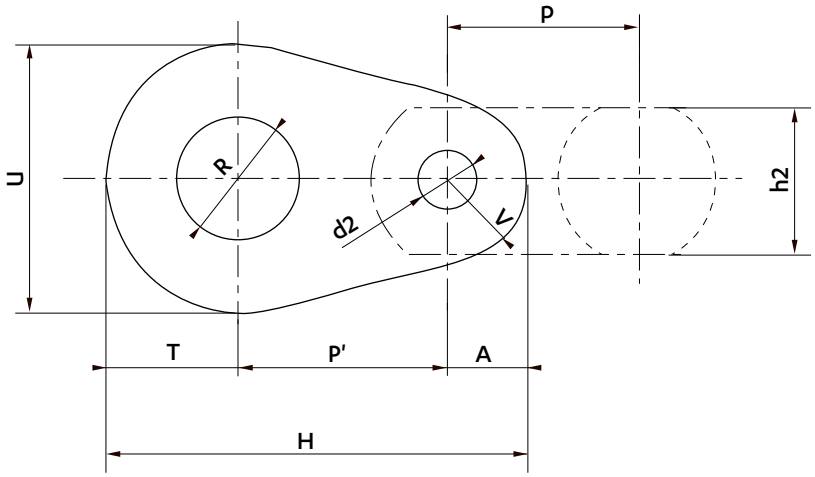


Options	Plates	Pins
Option I	Untreated steel	Untreated steel
Option II	Untreated steel	Untreated steel
Option III	Treated steel	Case-hardened alloy steel

Pitch	Lacing	ACCUMULATION PINS			PLATES		DRUM		OPTION I		OPTION II		OPTION III		Working surface	Weight
		Diameter	WIDTH over pins riveted on link	WIDTH over pins riveted on washer	Thickness	Length	Diameter		Min. breaking load	Working load	Min. breaking load	Working load	Min. breaking load	Working load		
P	n et n+1	d2	b4	b5	e	L	min.	max.	kN	kN	kN	kN	kN	kN	mm²	kg/m
40	1 - 2	14,4	27	33	6	77	80	93	38	7,7	48	8,6	56	9,4	86	4,6
	2 - 3		40	46					77	15,5	96	17,2	114	19,0	172	7,5
	3 - 4		53	59					116	23,3	114	26,0	170	28,5	259	10,4
	4 - 5		65	71					155	31,0	190	34,5	230	38,0	345	13,3
	5 - 6		78	84					195	39,0	240	43,0	280	47,0	432	16,2
	6 - 7		90	96					230	46,0	290	52,0	340	57,0	518	19,1
	7 - 8		103	109					270	54,0	330	60,0	400	66,0	604	22,0
	8 - 9		116	122					310	62,0	380	69,0	450	76,0	691	25,0
	9 - 10		128	134					350	70,0	430	78,0	510	85,0	777	28,0
60	1 - 2	21,6	33	41	8	116	120	140	77	15,5	96	17,2	114	19,0	172	9,0
	2 - 3		50	58					155	31,0	190	34,5	230	38,0	345	14,6
	3 - 4		66	74					230	46,0	290	52,0	340	57,0	518	20,2
	4 - 5		84	92					310	62,0	380	69,0	450	76,0	691	25,2
	5 - 6		100	108					390	78,0	480	86,0	570	95,0	864	31,5
	6 - 7		117	125					460	93,0	580	103,0	680	113,0	1036	37,1
	7 - 8		133	141					540	109,0	670	121,0	800	133,0	1209	42,8
	8 - 9		150	158					620	124,0	770	138,0	910	152,0	1382	48,5
	9 - 10		166	174					700	140,0	860	155,0	1020	171,0	1555	54,0
90	1 - 2	32,4	44	54	11	170	180	210	160	32,0	200	36,0	230	39,0	356	17,0
	2 - 3		67	77					320	64,0	400	72,0	470	78,0	712	28,0
	3 - 4		90	100					480	96,0	600	108,0	700	117,0	1069	38,0
	4 - 5		113	123					640	128,0	800	144,0	940	157,0	1425	49,0
	5 - 6		135	145					800	160,0	1000	180,0	1170	196,0	1782	60,0
	6 - 7		158	170					960	192,0	1200	216,0	1400	235,0	2138	71,0
	7 - 8		182	194					1120	224,0	1400	250,0	1640	274,0	2494	81,0
	8 - 9		205	217					1280	256,0	1600	290,0	1880	314,0	2851	92,0
	9 - 10		227	339					1440	228,0	1800	320,0	2110	352,0	3207	103,0

Dimensions in mm

SPECIAL ATTACHMENT PLATES - *ALL SERIES EXCEPT 1961*



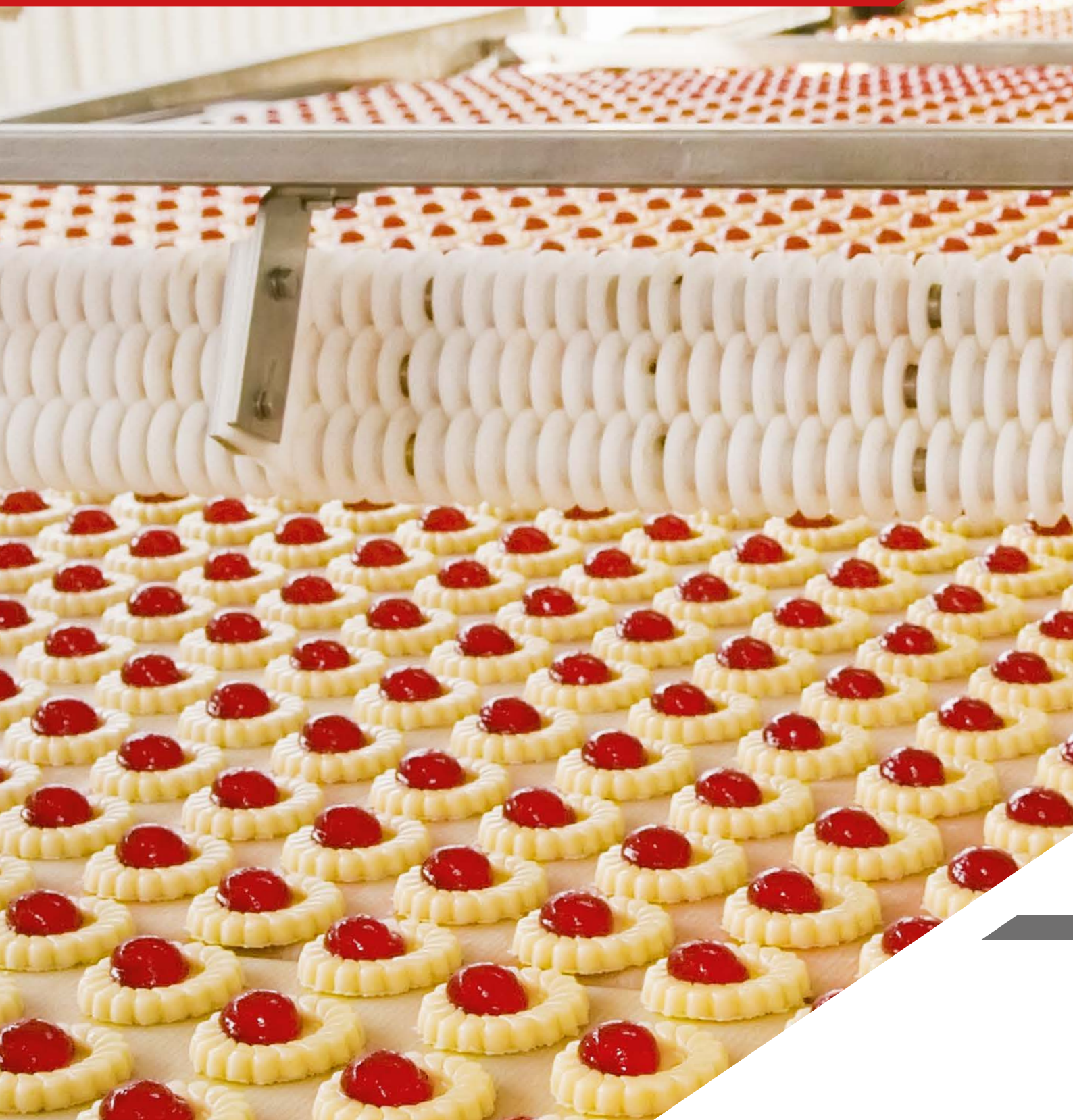
ADVISABLE RELATIONS BETWEEN DIMENSIONS

R (min) = (about) 2 . d2
U (min) = (about) 4 . d2
T (min) = R
P' = H - (T + A) with P' min. = 3 . d2

- Hole diameter and pitch **P'** are manufactured on request.
- **d 2** is the flanged diameter of the chain pins on which the attachment plates will be secured.
- "e" thickness of the attachment plates is the same as to thickness of the chain plates.

Large end diameter	Small end radius	Length	Large end diameter	Small end radius	Length	Large end diameter	Small end radius	Length	Large end diameter	Small end radius	Length
U	V	H	U	V	H	U	V	H	U	V	H
7	2.25	15.8	24	7	47.2	60	15	-	110	35	210
9.5	3	18.8	25	9	50	64	15.5	105.5	130	41	247
9.5	3.5	19	28	8	47	66	18	131	150	47	289
9.5	3	21.8	28	9	54.5	70	17.5	117.5	160	58	326
9.5	3	24.8	32	9	58	70	20	120	180	63	367
14	3.6	21.1	36	11	67.5	72	23	138.5	220	69	419
14	4.5	27.5	36	12	70	75	19	148.5	240	80	472
15	3	34.5	40	14.5	81.5	80	20	130	280	88	542
16	5.5	33.5	50	12.5	82.5	82	28	159	320	103	609
22	3	42	56	19	110	84	29	165	340	115	672

SPECIAL CHAINS



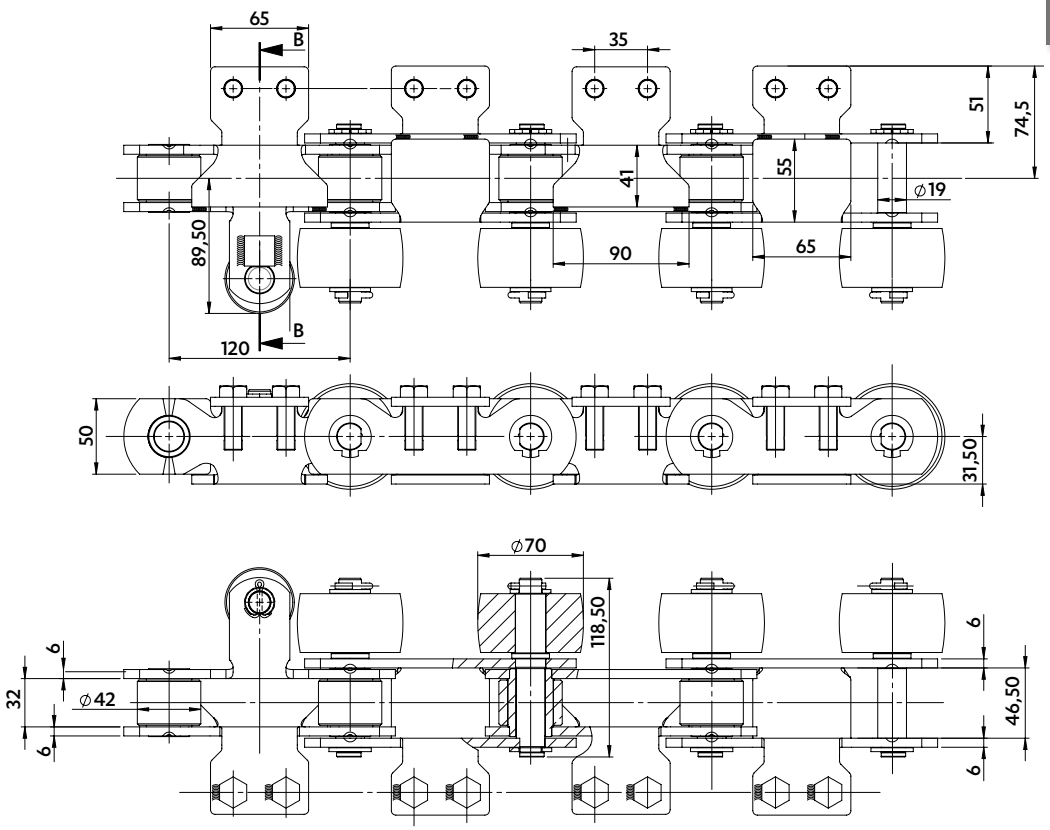
FOOD INDUSTRY

CHAINS FOR FOOD INDUSTRY

Dimensions in mm

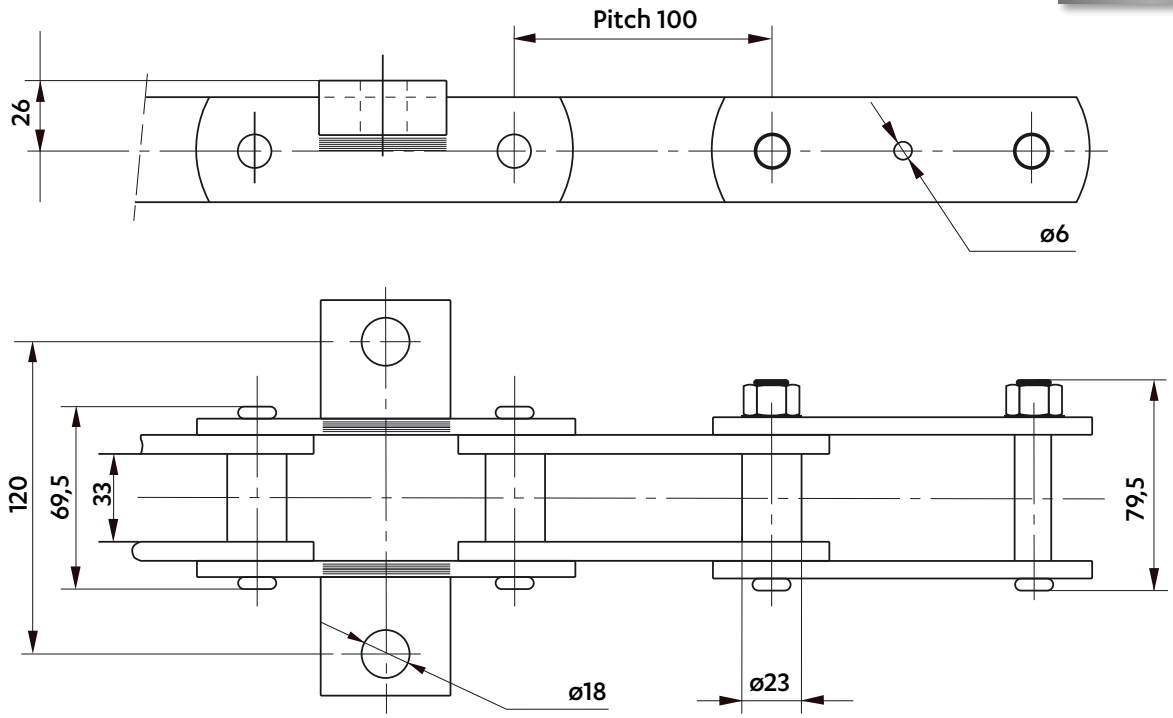
CHAIN FOR PIZZA OVEN

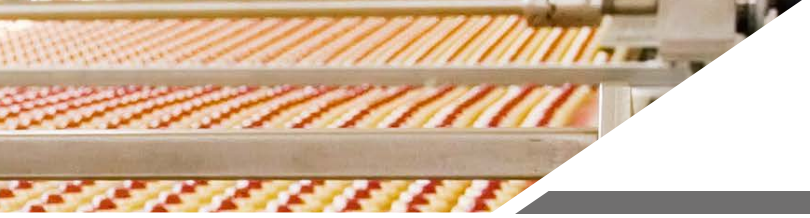
5618-19



CHAIN FOR MUSHROOM PRODUCTION

5377-25

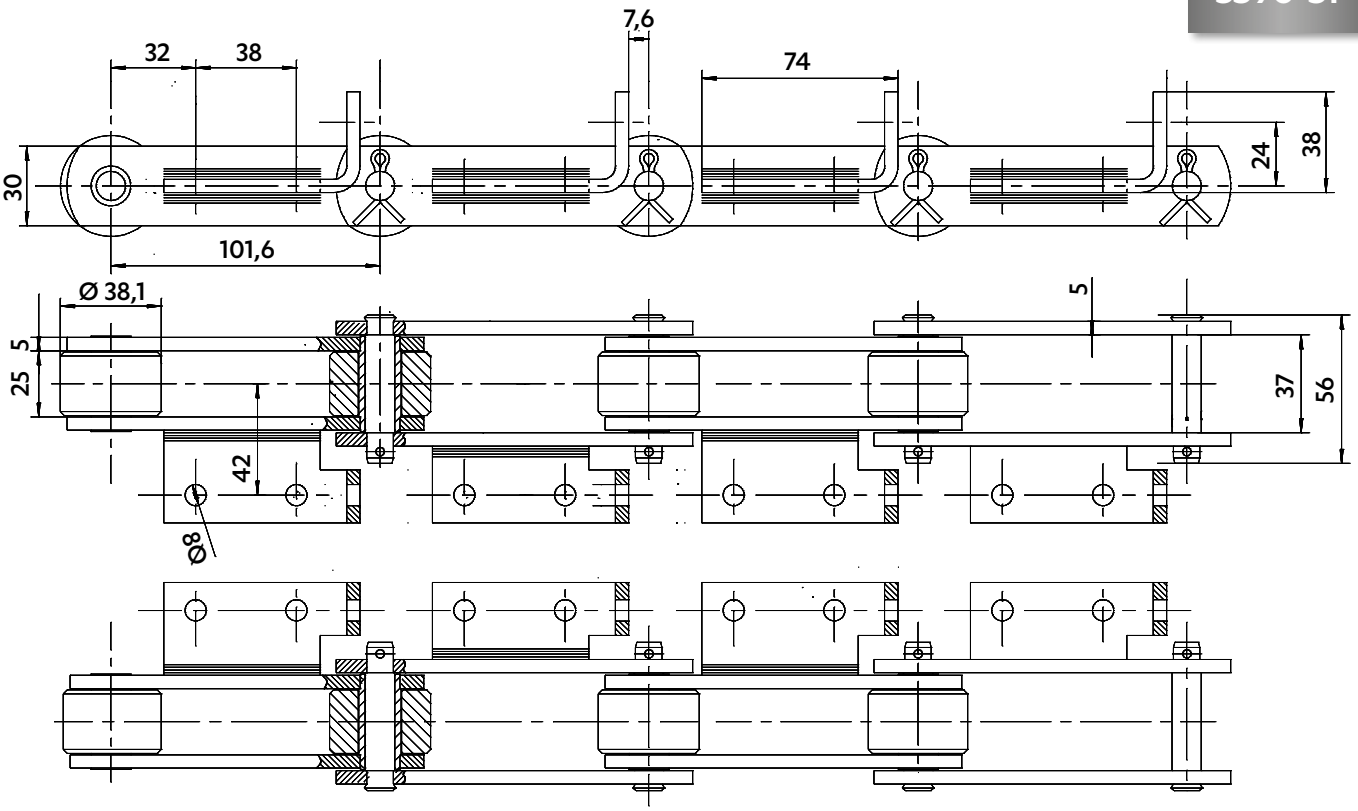




Dimensions in mm

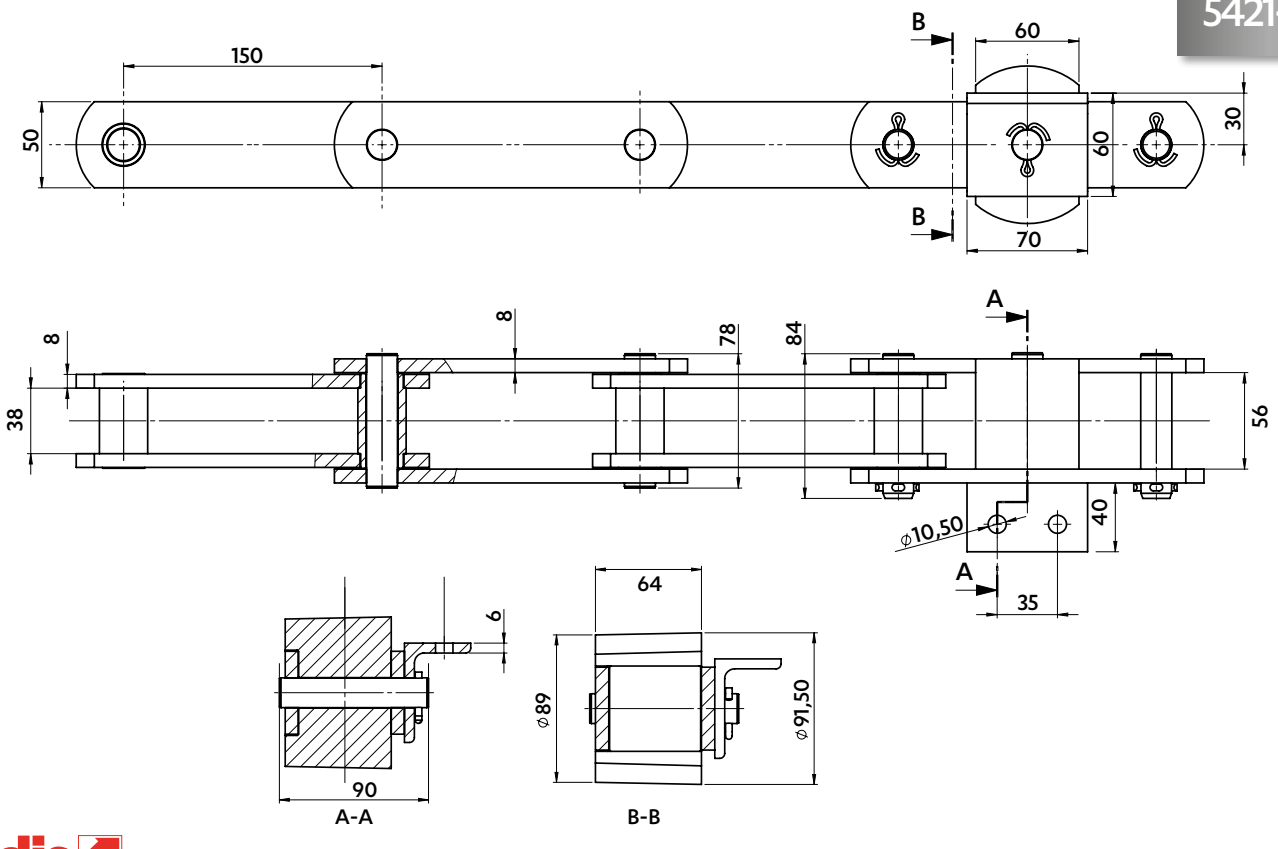
CHAIN FOR POTATOES PROCESSING

5390-31



CHAIN FOR CHICORY CONVEYOR

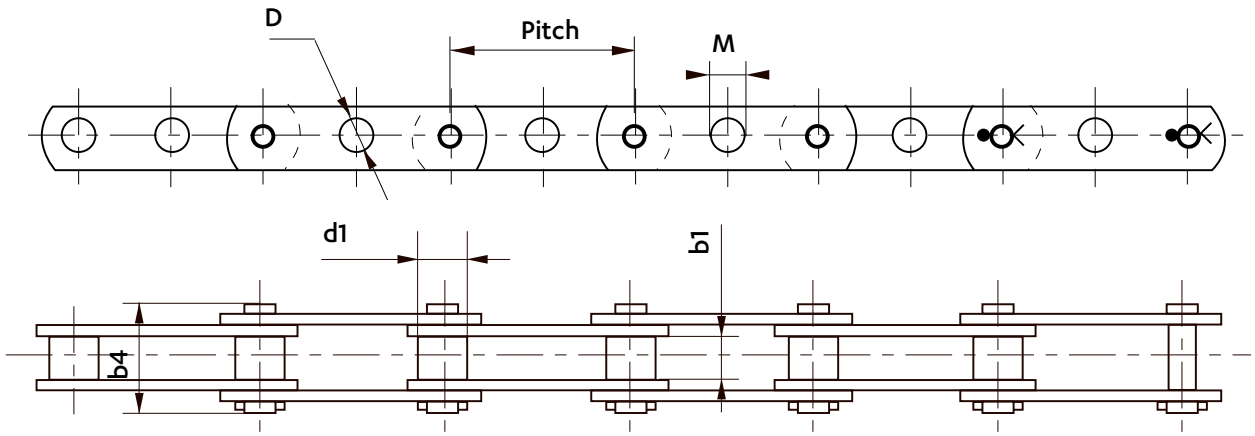
5421-30



CHAINS FOR FRUITS AND VEGETABLES

Dimensions in mm

CHAINS FOR FRUIT SORTING / GRADING



TYPE A : Cylindrical central hole in each plate.

TYPE B : Cylindrical central hole in each plate except every 3 pitches on one side of the chain where the hole is flattened.

TYPE C : Cylindrical central hole in each plate on one side of the chain and flattened central hole on the other side.

Type	Chain ref	Pitch	Width between inner plates b1 max.	Wheel Ø d1 min.	Width over riveted pins b4 max.	Central hole D max.	Central hole M max.
A	5613-25 ♦	38,1	11,7	12,07	27	8,1	-
	5613-20 ♦	44,45				8,1	
	5342-80	50				8,1	
	5342-76	50				8,1	
	5464-04	50				8,4	
	5708-01	56,25				8,1	
	5464-34	50	DELTA version of 5342-76				
B	5464-05	50	11,7	12,07	27	8,4	6,6
C	5464-06	50					

♦ Chains in DELTA TITANIUM 2 (anti-corrosion)

SEDIS solutions

POSSIBLE OPTIONS

DELTA® PINS

- Enhanced wear resistance in abrasive environment

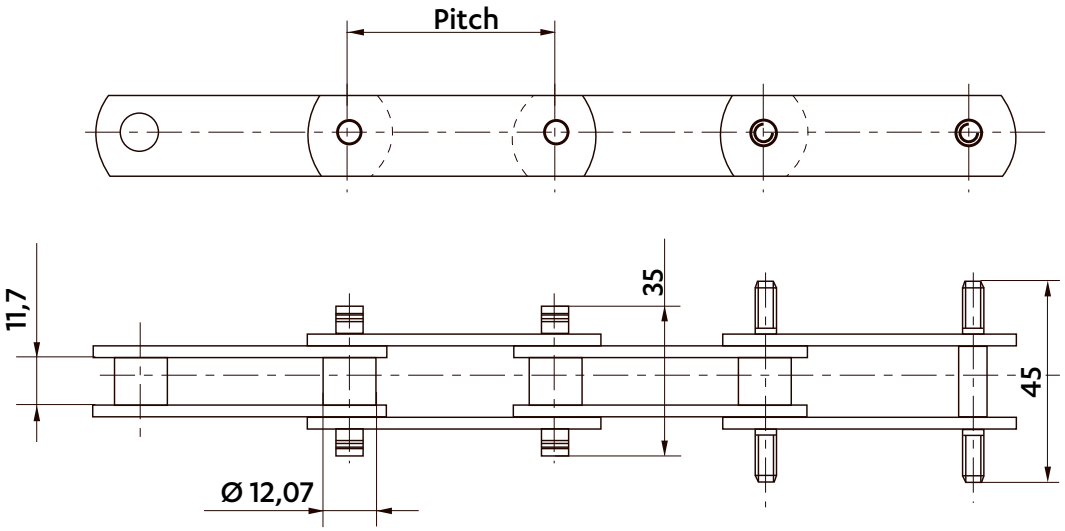
SEDIS ANTI-CORROSION COATING

- Corrosion resistance in harsh environment

Further information on pages 19 to 21

Dimensions in mm

CHAINS FOR FRUIT SORTING / GRADING

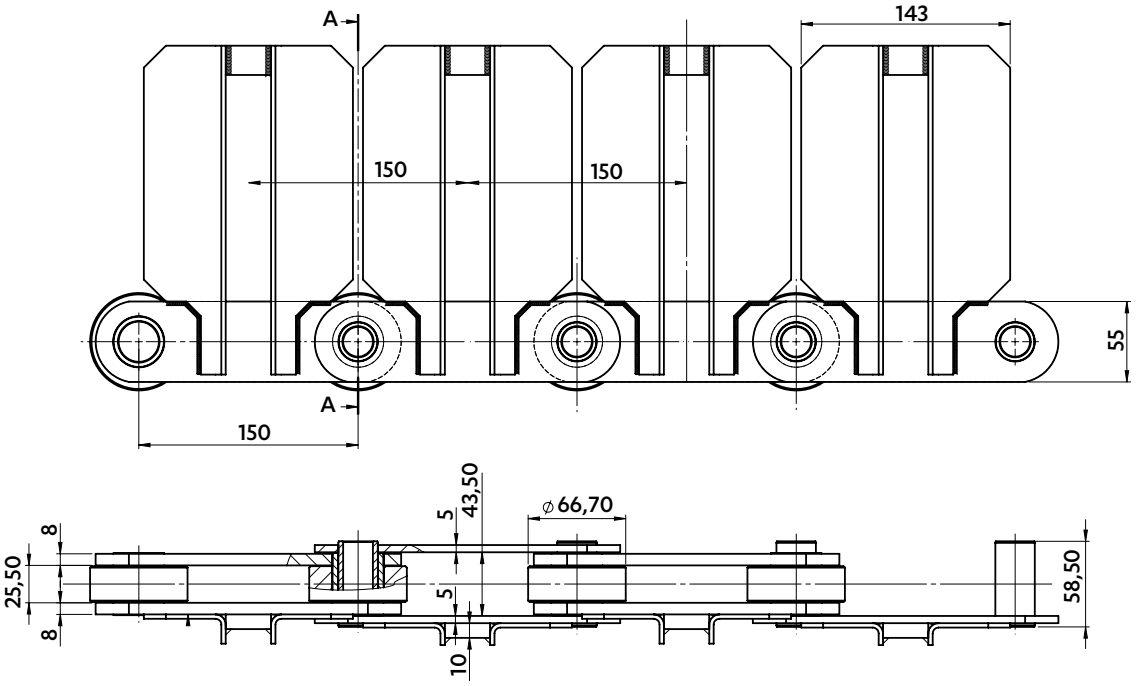


5564-07
Pitch : 50 mm
Breaking load : 20 kN

5708-02
Pitch : 56,25 mm
Breaking load : 20 kN

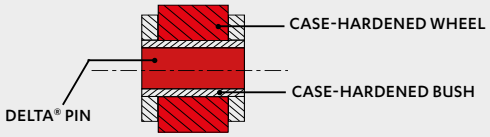
CHAIN FOR ROOTS GRADING

5421-61



SEDIS solution

DELTA® HOLLOW PINS
CASE-HARDENED BUSHES & WHEELS



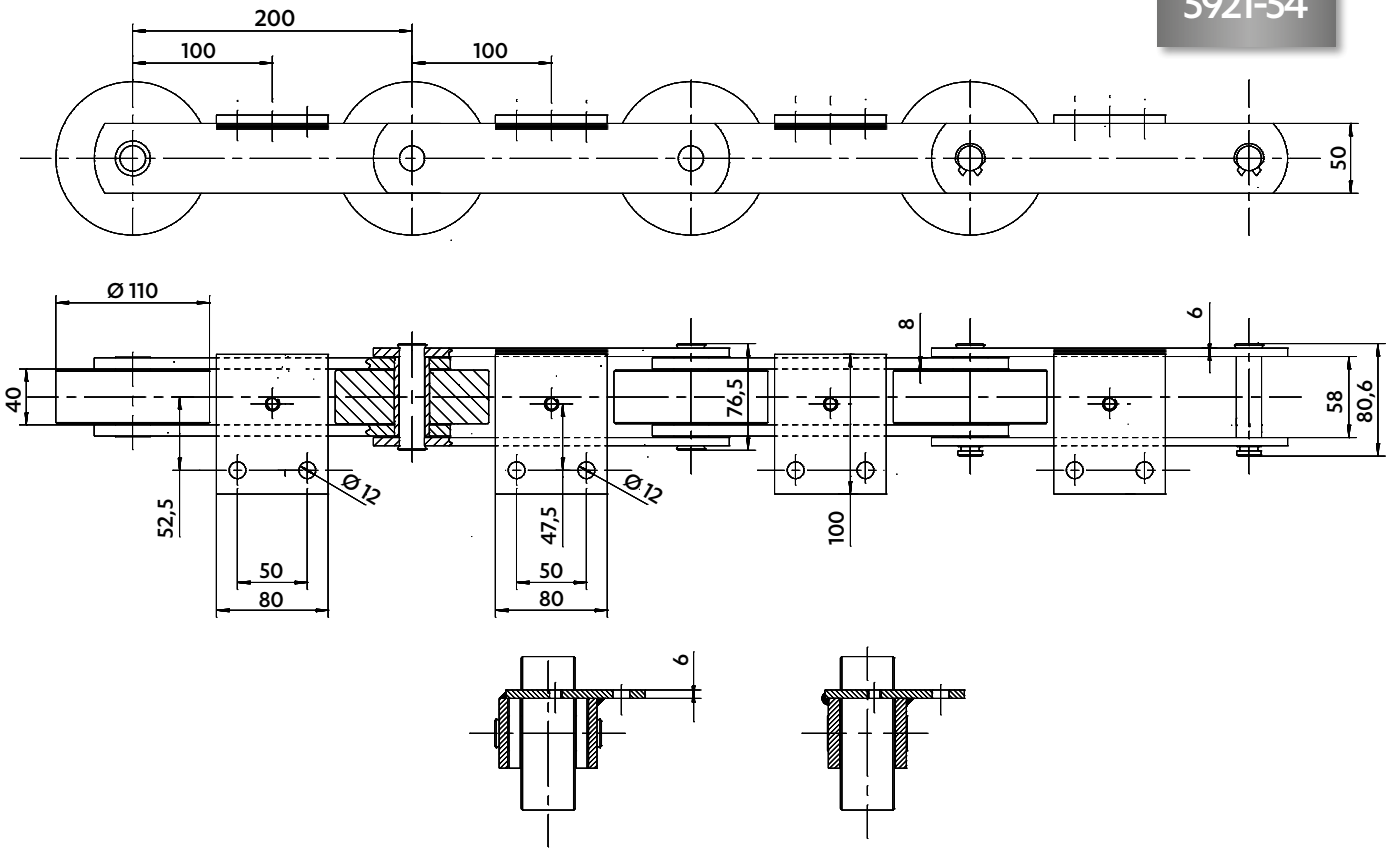
- Enhanced wear resistance in abrasive environment
- Longer service life of the chain

CHAINS FOR BAKERY

Dimensions in mm

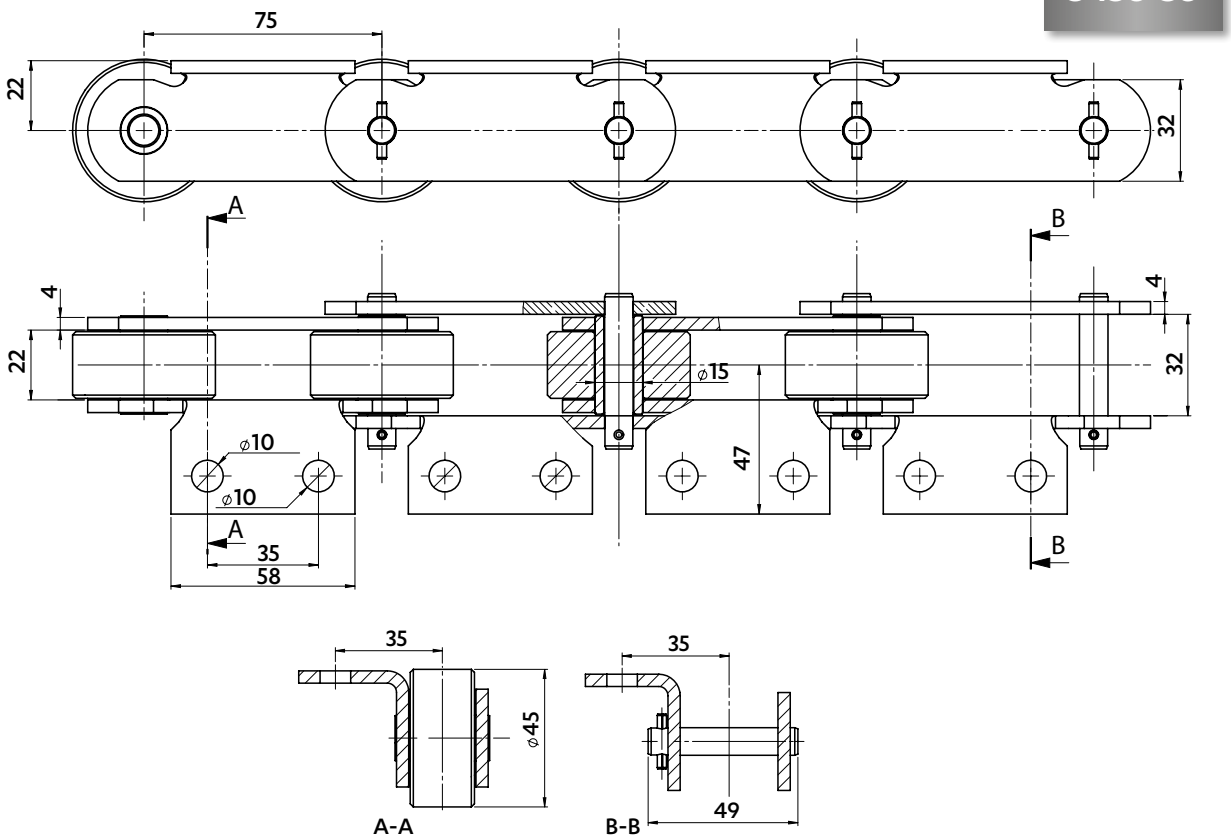
CHAIN FOR BREAD OVEN

5921-54



CHAIN FOR PANCAKES OVEN

5456-36

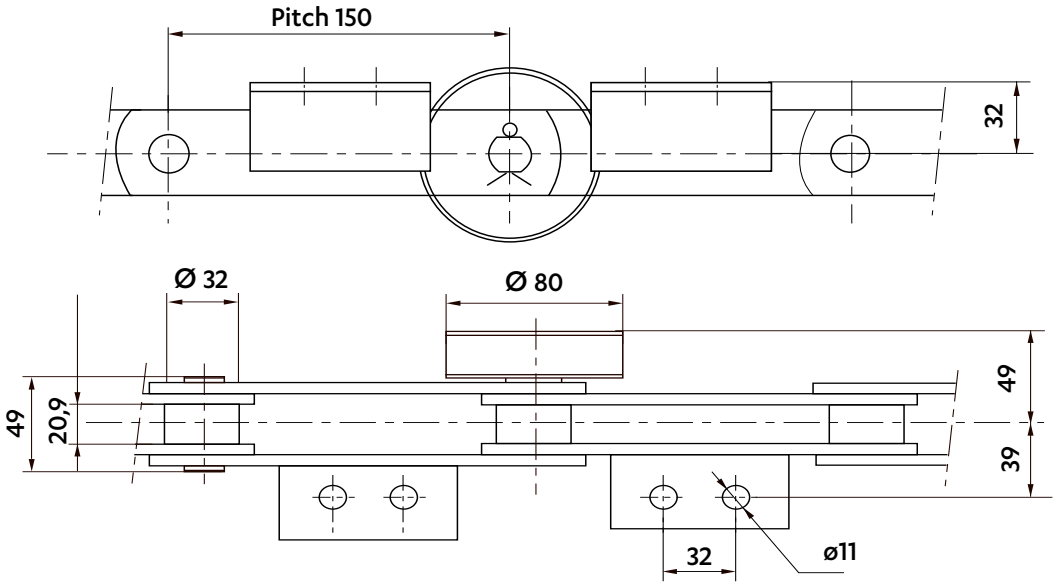


Dimensions in mm

CHAIN FOR STERILIZER

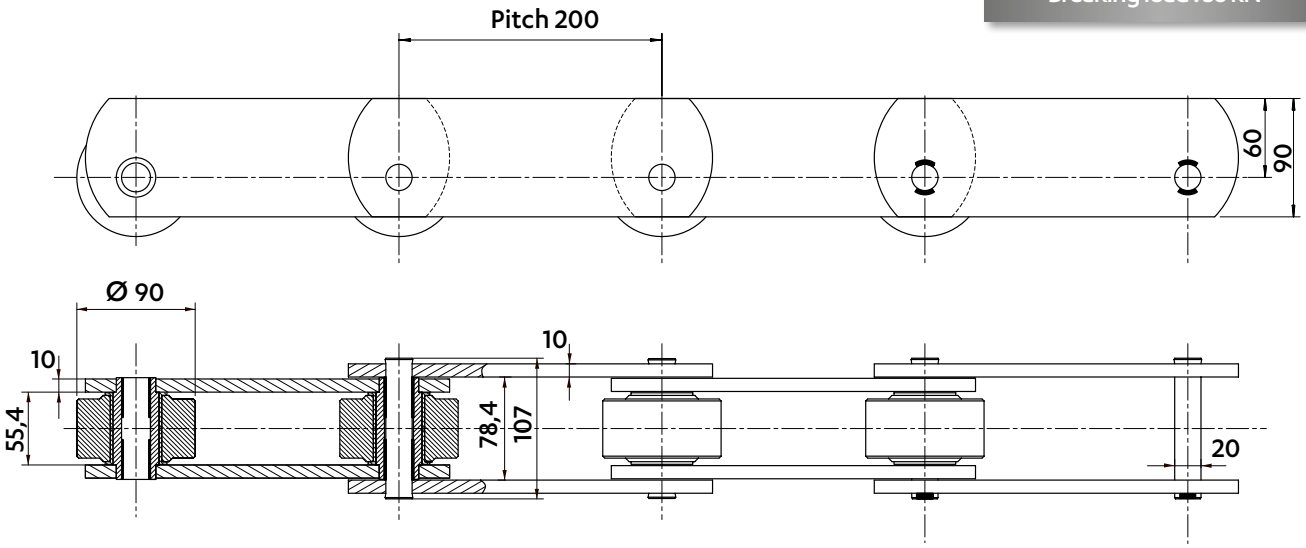
5566-15
Breaking load : 68 kN

Chain with extended pins on one side equipped with outboard rollers fitted with ball bearings.



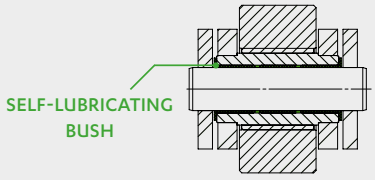
CHAIN FOR CHEESE CONVEYOR

5308-98
Breaking load : 36 kN



SEDIS solution

STAINLESS STEEL CHAIN
DELTA VERTE®



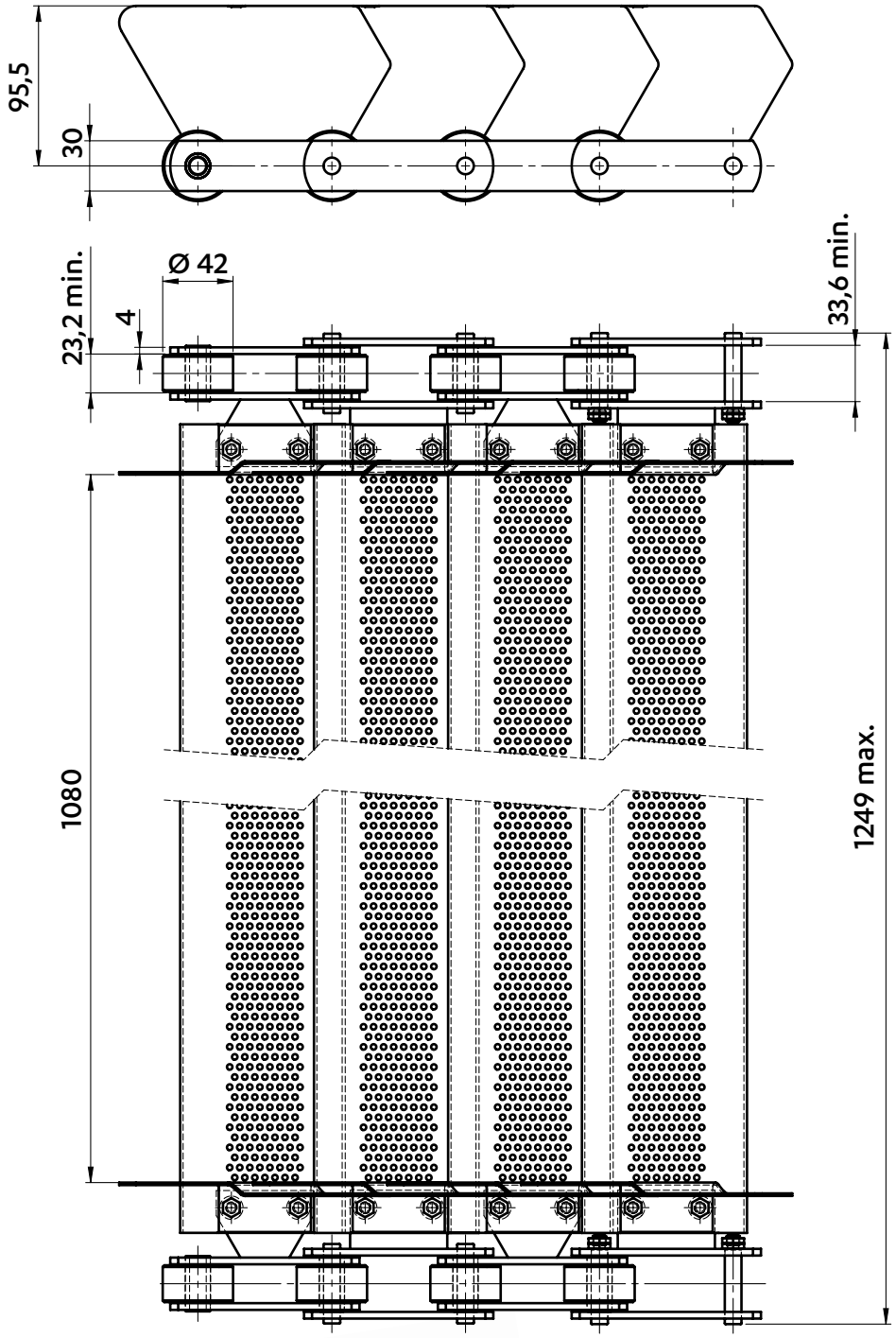
- Corrosion resistance in harsh environment
- Enhanced wear resistance
- No contamination by lubrication oil
- Prevents maintenance

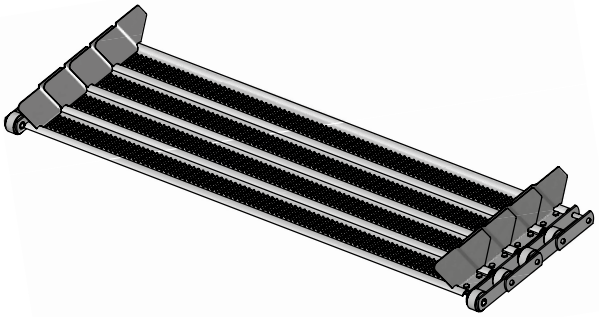
CHAINS FOR ANIMAL FEED

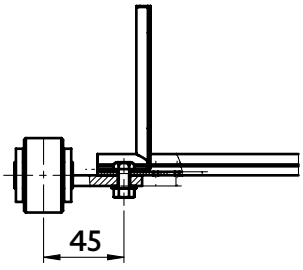
Dimensions in mm

DRYER APRON FOR FOOD MIXTURE

5369-46



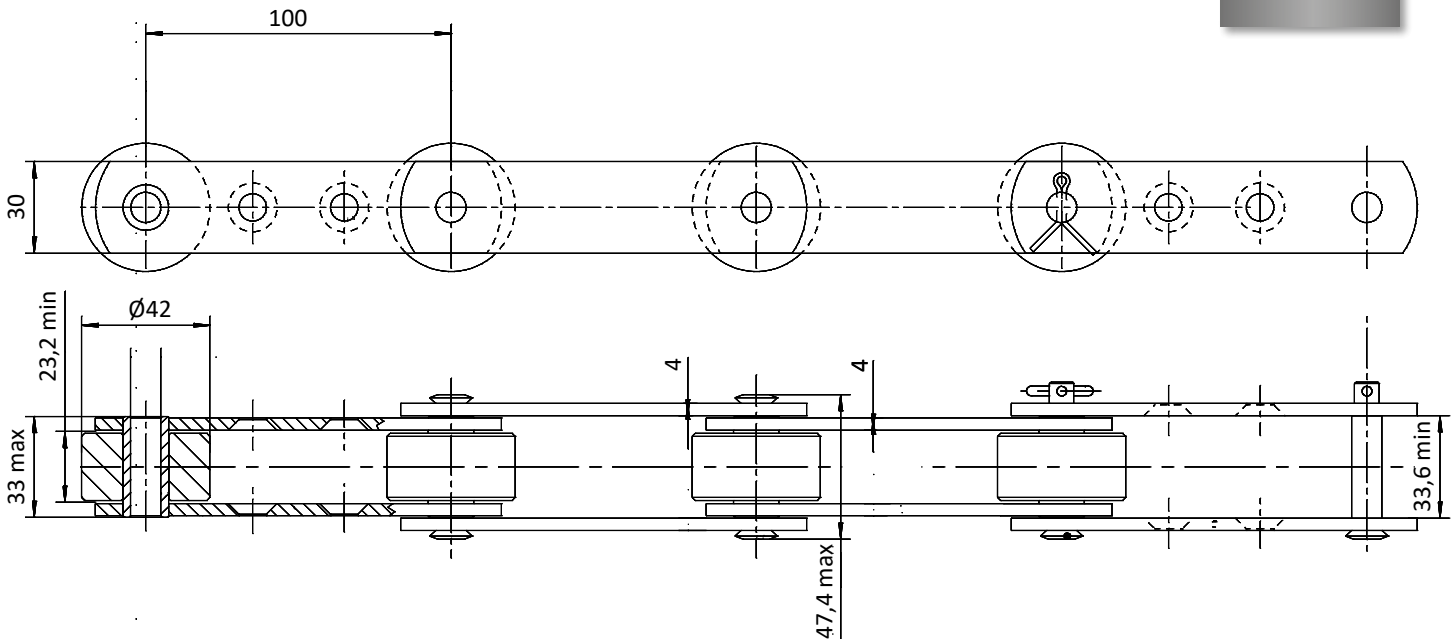




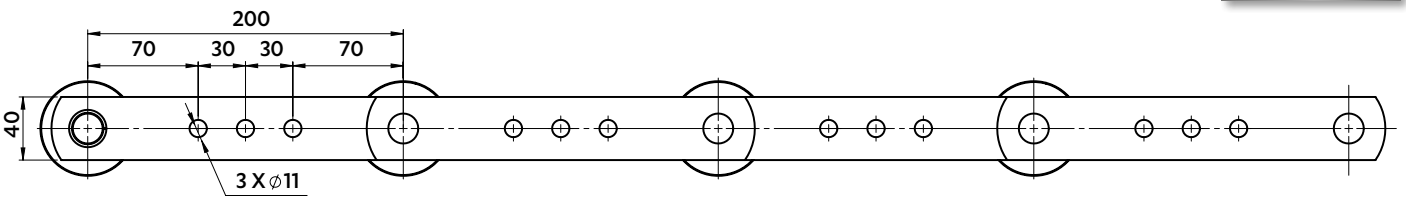
Dimensions in mm

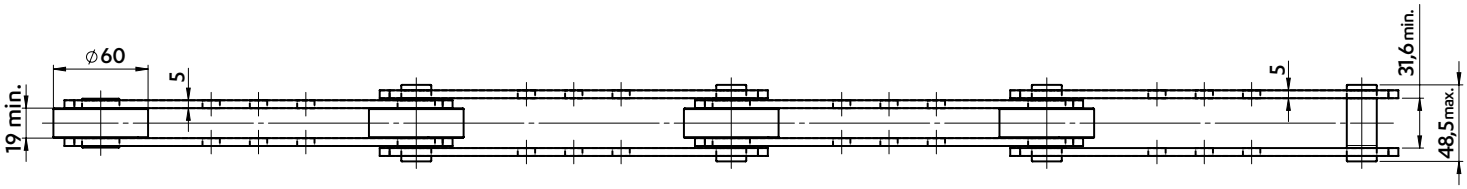
CHAINS FOR ANIMAL FEED

5827-04



5565-26





SEDIS solution

DELTA® PINS
ZINC PLATED PLATES &
CASE-HARDENED WHEELS

- Enhanced wear resistance in abrasive environment
- Corrosion resistance in harsh environment
- Longer service life of the chain

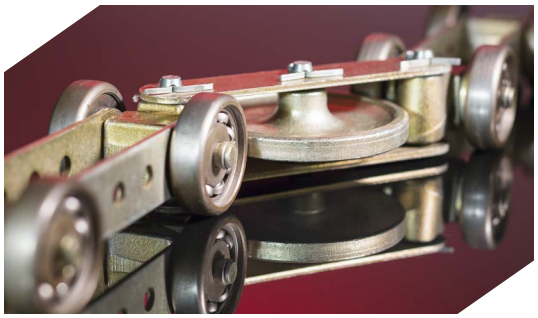
CHAINS FOR ABATTOIRS

Dimensions in mm

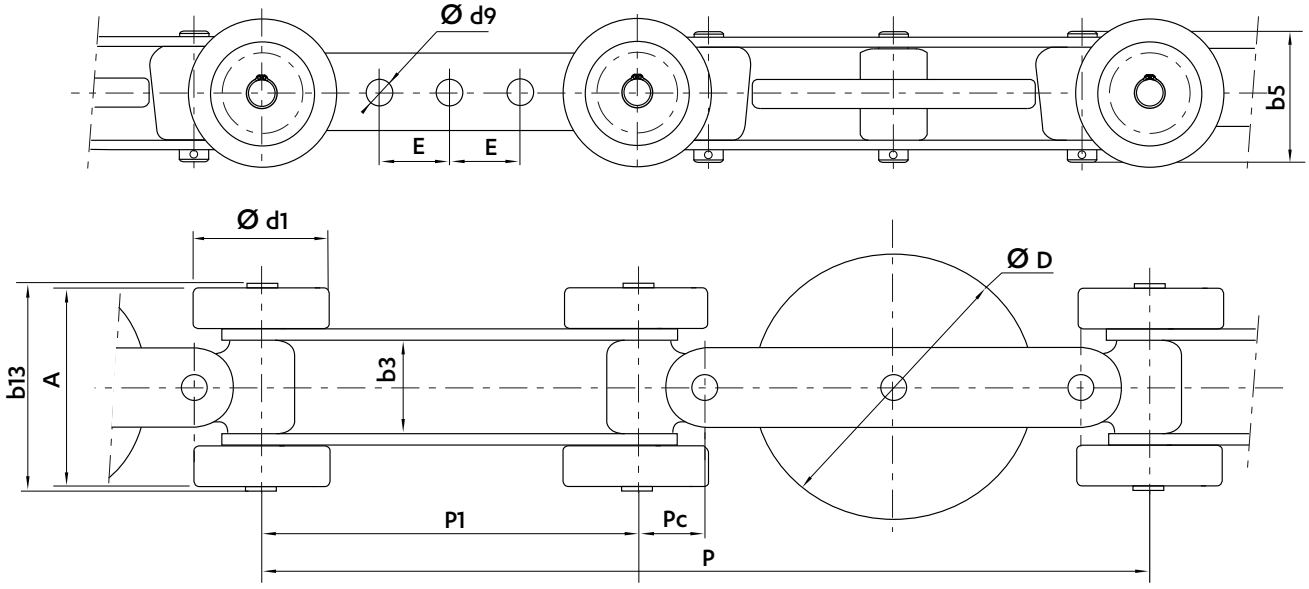
MULTIDIRECTIONAL CHAINS

2 TYPES :
- MAG 3
- MAG 5

2 VERSIONS :
- Zinc plated bichromated & lubricated
- DELTA ® VERTE ® : maintenance-free



- Universal joints in forged steel with oil reservoir (except for the DELTA® VERTE® version of MAG 3)
- Directional wheels fitted on a treated steel ring (standard version) or a composite ring (DELTA® VERTE® version)
- Case-hardened directional wheel pin (standard version) or DELTA® pin (DELTA® VERTE® version)
- Ball bearing wheels

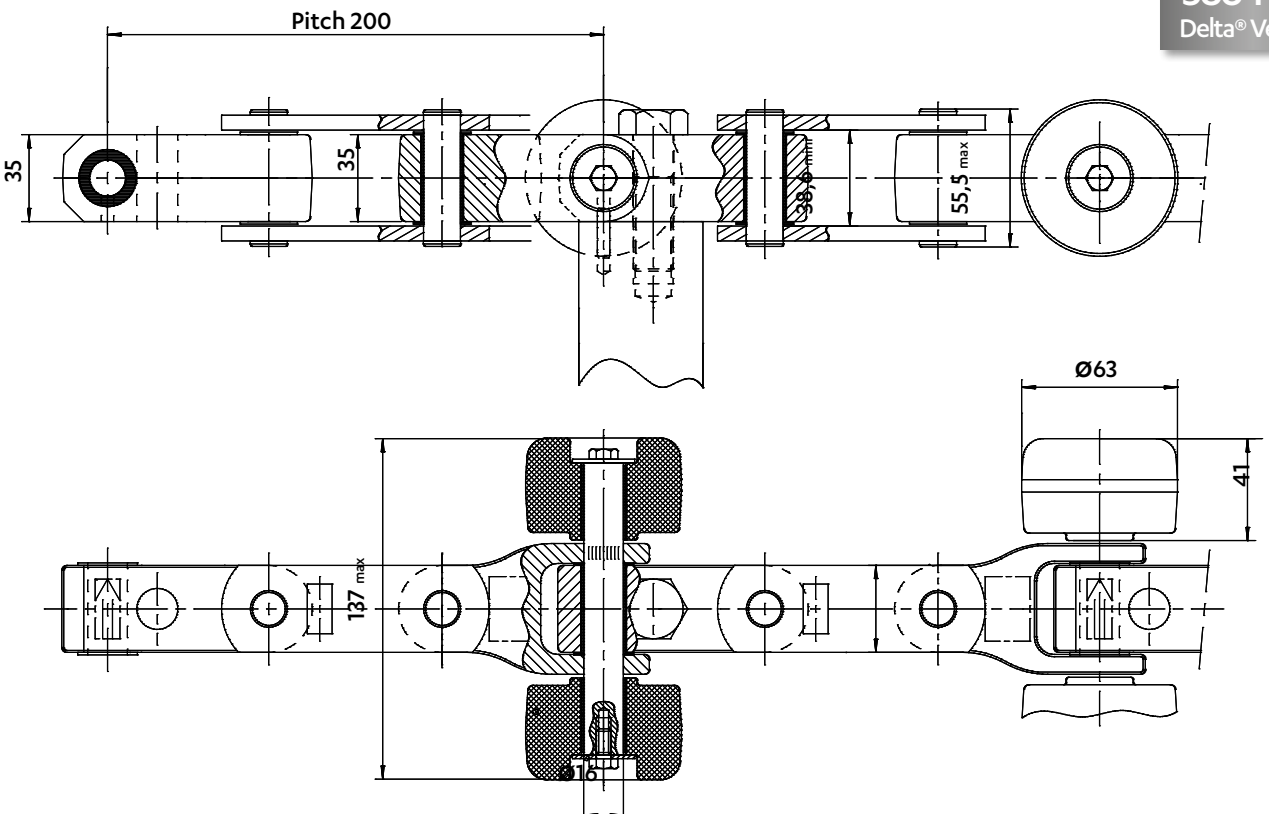


Chain ref	REFERENCES		PITCH			Width between plates	PLATES		PINS			WHEELS		Min. breaking load	
	Standard	DELTA® VERTE®	Composed pitch (Pc + P1 x 2)	Universal joint	Outer plates		Hole Ø	Holes center distance	Width over the pins riveted on one side and cottered on the other side		Extended length	Width over ball wheels	directional wheel Ø	Standard	DELTA® VERTE®
			P	Pc	P1	b3	d9	E	b5		b13	A	D	d1	kN	
MAG 3	5695-07	5695-06	283	21,5	120	31,5/33	9	22,5	46	48,5	69,5	67,5	90	47	35	
MAG 5	5681-01	-	355	27,5	150	39,2	12	30	58		86,5	83,5	110	52	80	

Dimensions in mm

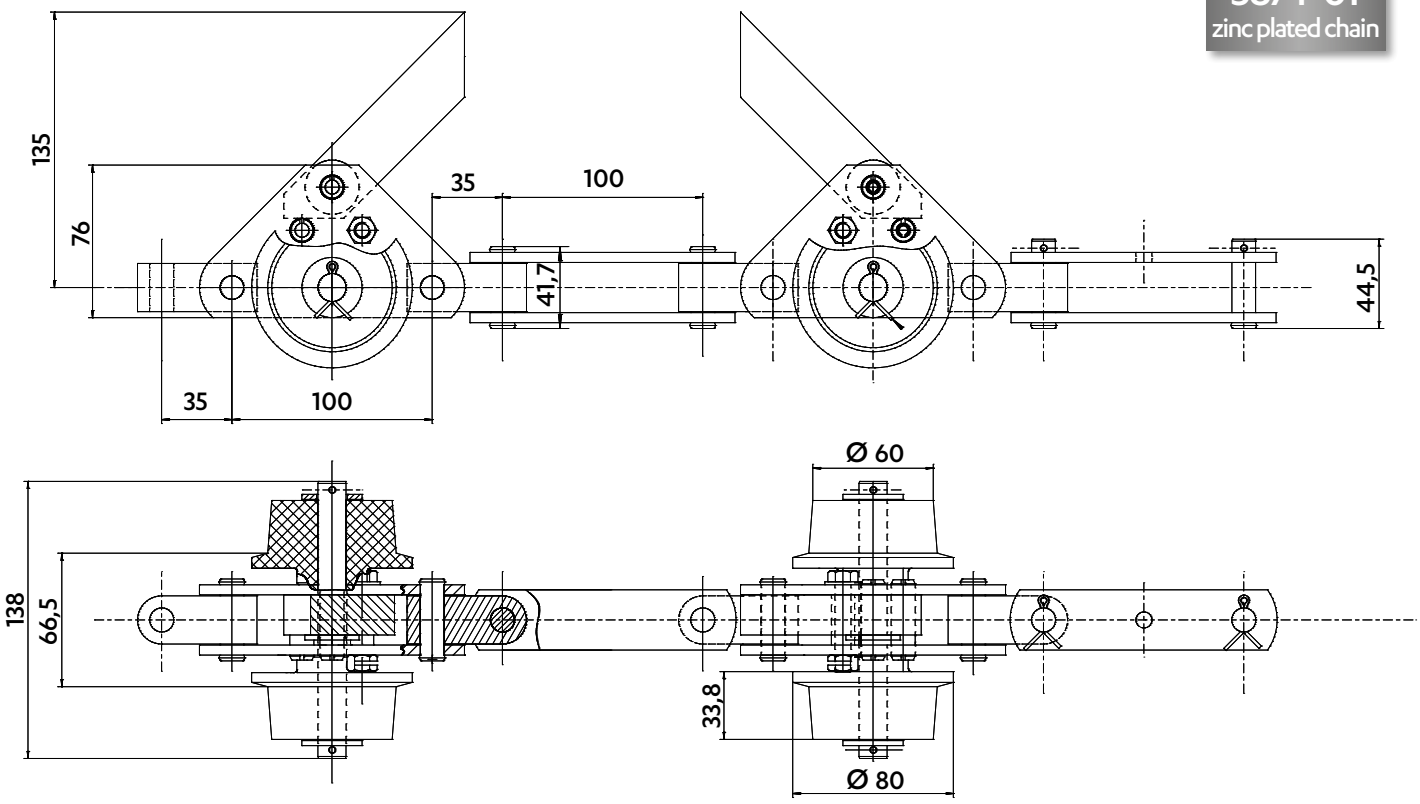
MULTIDIRECTIONAL CHAINS - DELTA VERTE® BI-PLANAR CHAIN

5864-01
Delta® Verte®

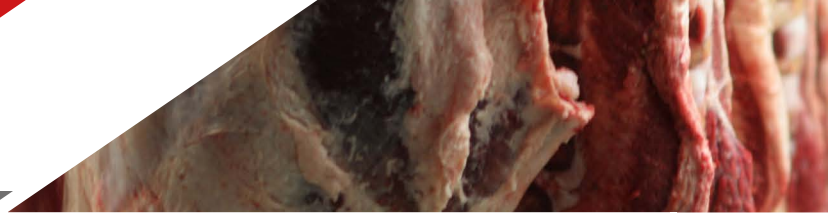


MULTIDIRECTIONAL CHAINS - BI-PLANAR CHAIN

5874-01
zinc plated chain



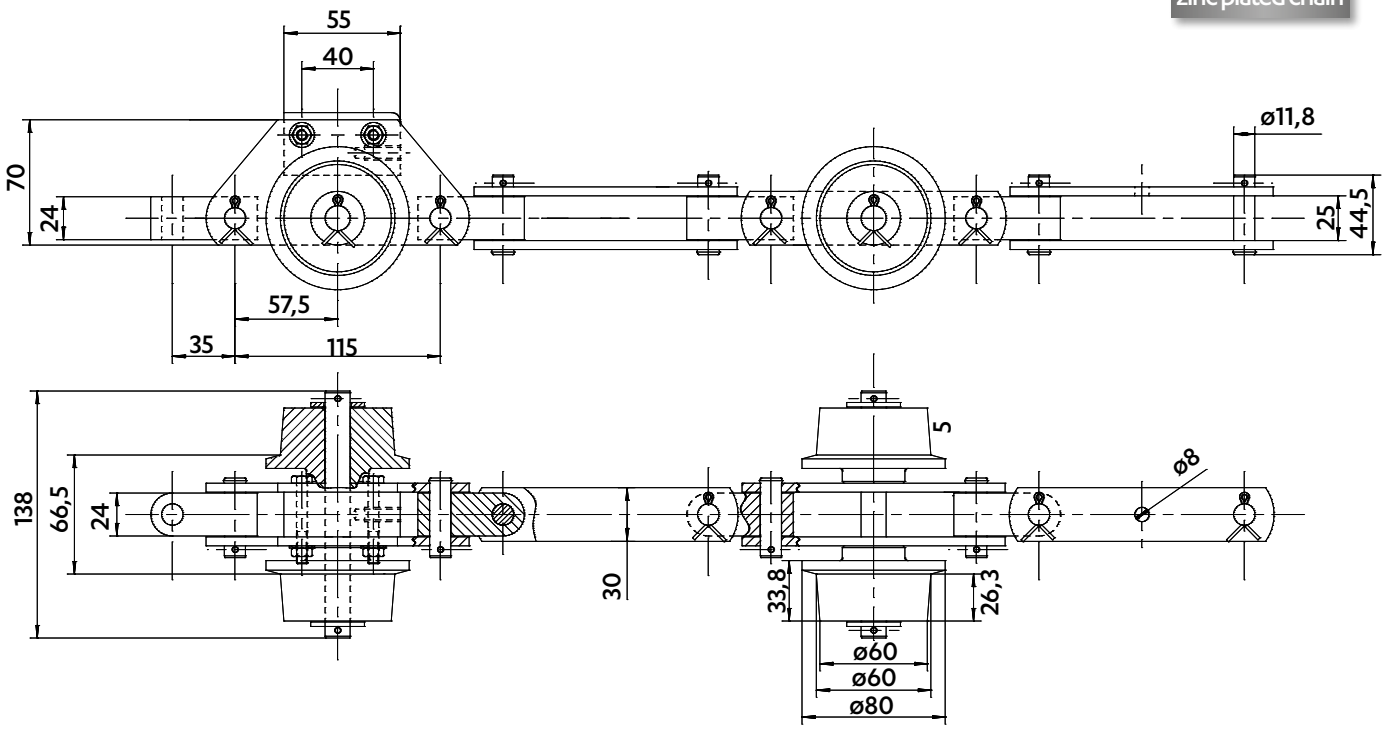
CHAINS FOR ABATTOIRS



Dimensions in mm

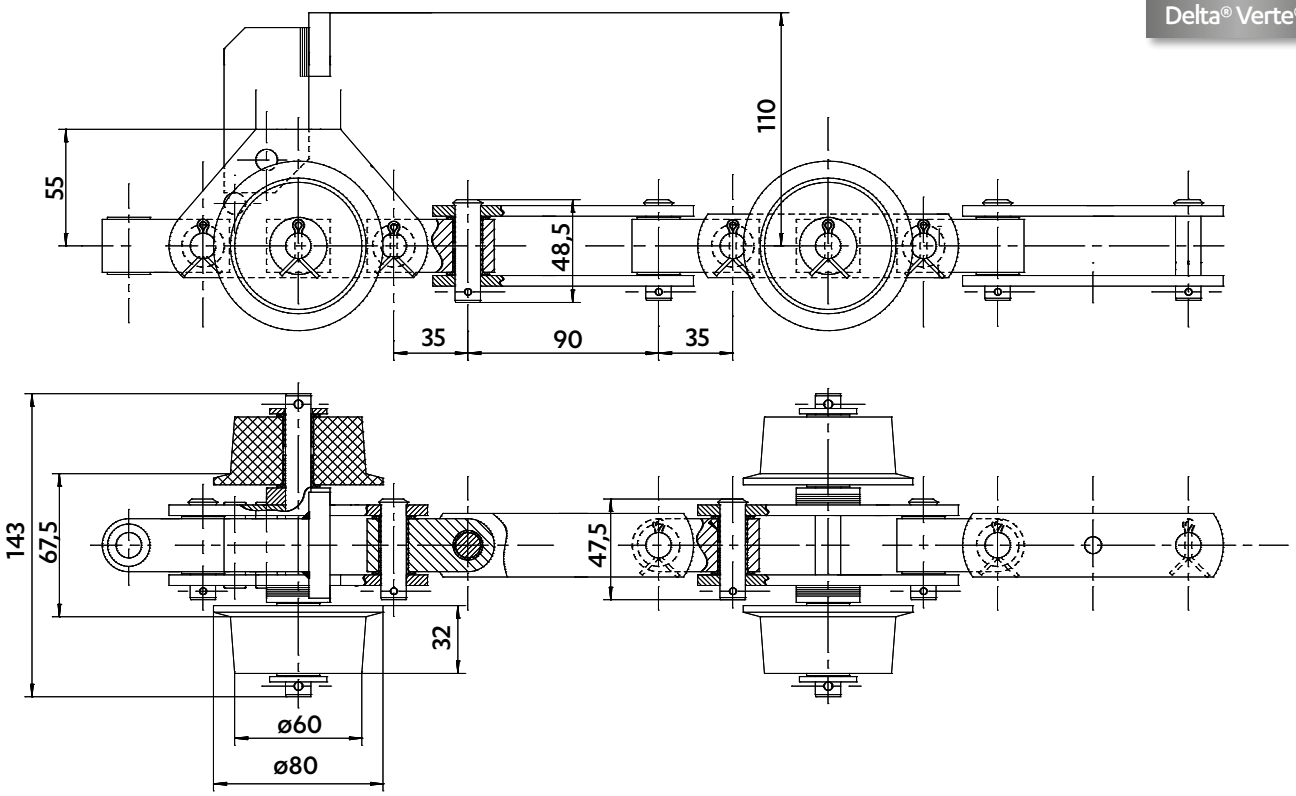
MULTIDIRECTIONAL CHAINS - BI-PLANAR CHAIN

5872-01
zinc plated chain



CHAIN OF CONVEYOR BEFORE BLEEDING

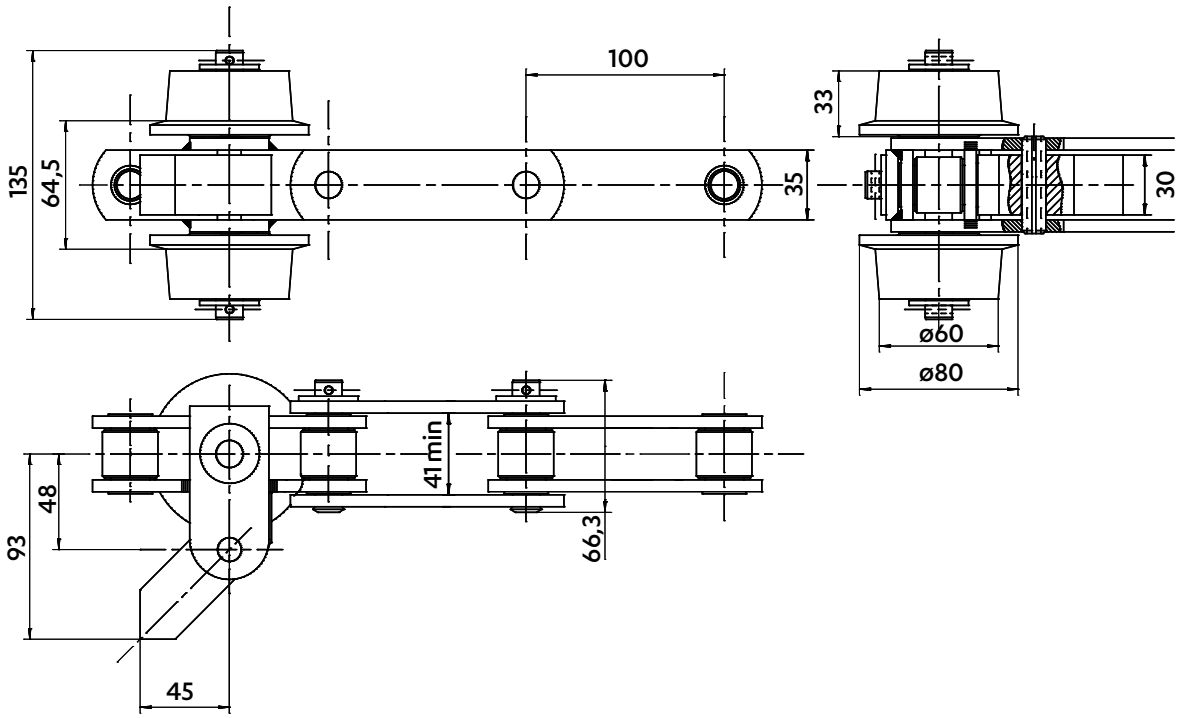
5860-01
Delta® Verte®



Dimensions in mm

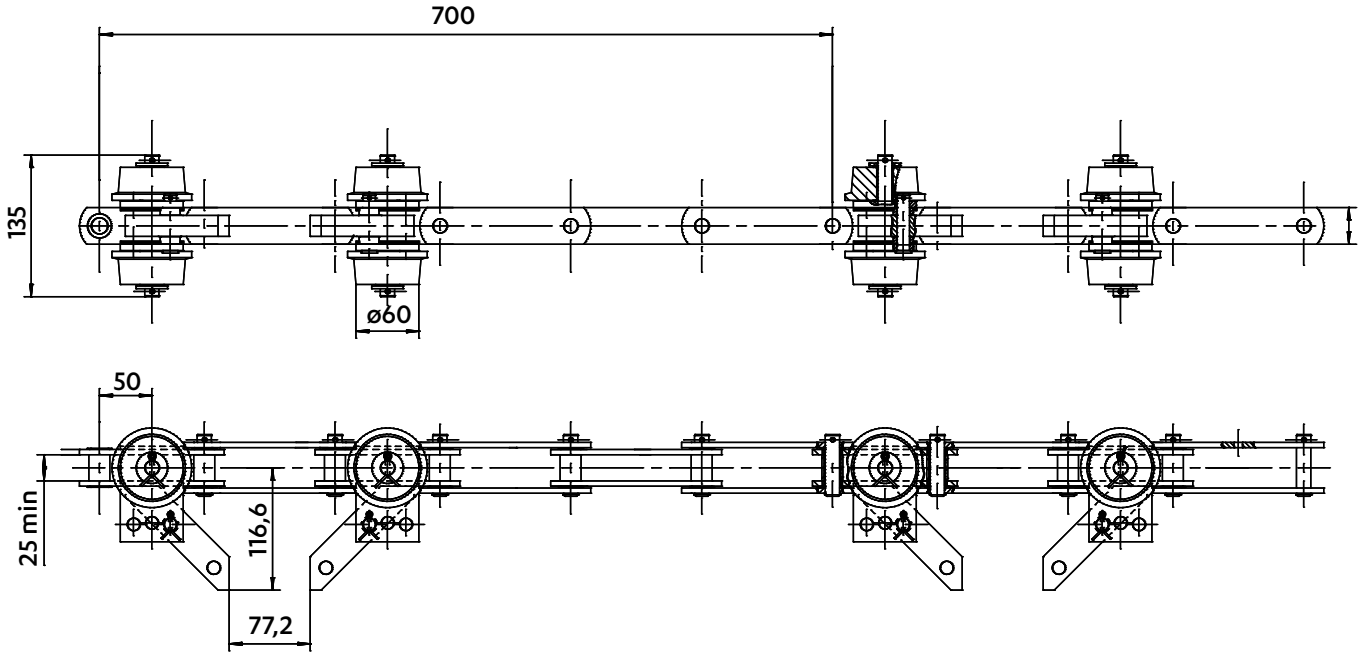
CHAIN FOR BLEEDING

5377-63
Delta® Verte®



CHAINS FOR WHIPPING MACHINES

5515-23
zinc plated chain

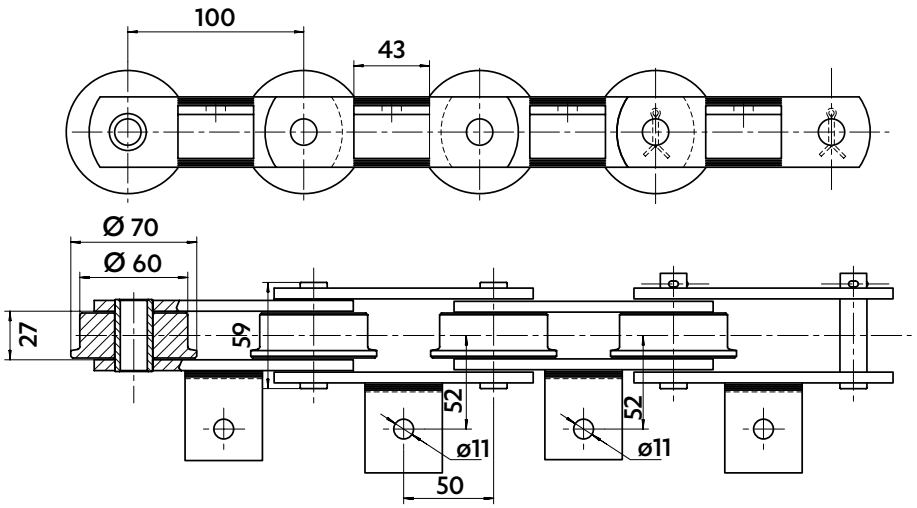


CHAINS FOR BEVERAGES

Dimensions in mm

CHAIN FOR DISTILLERY

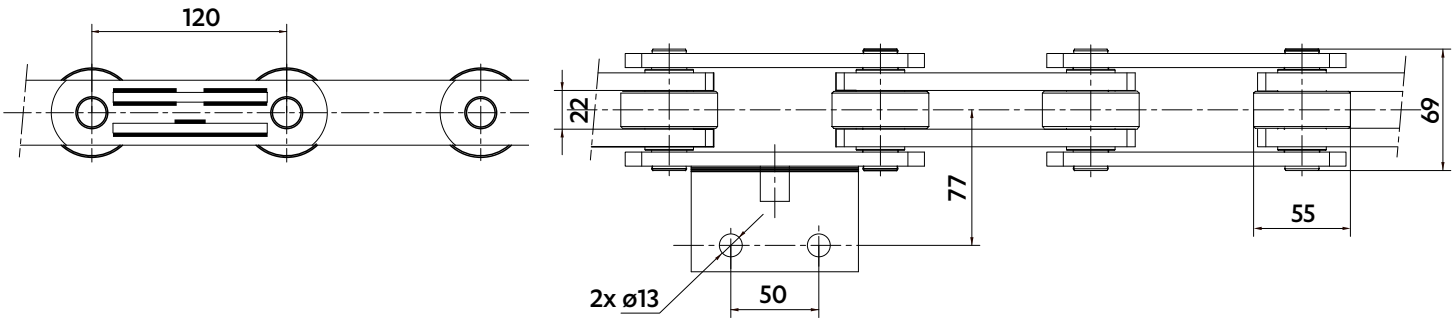
5271-76



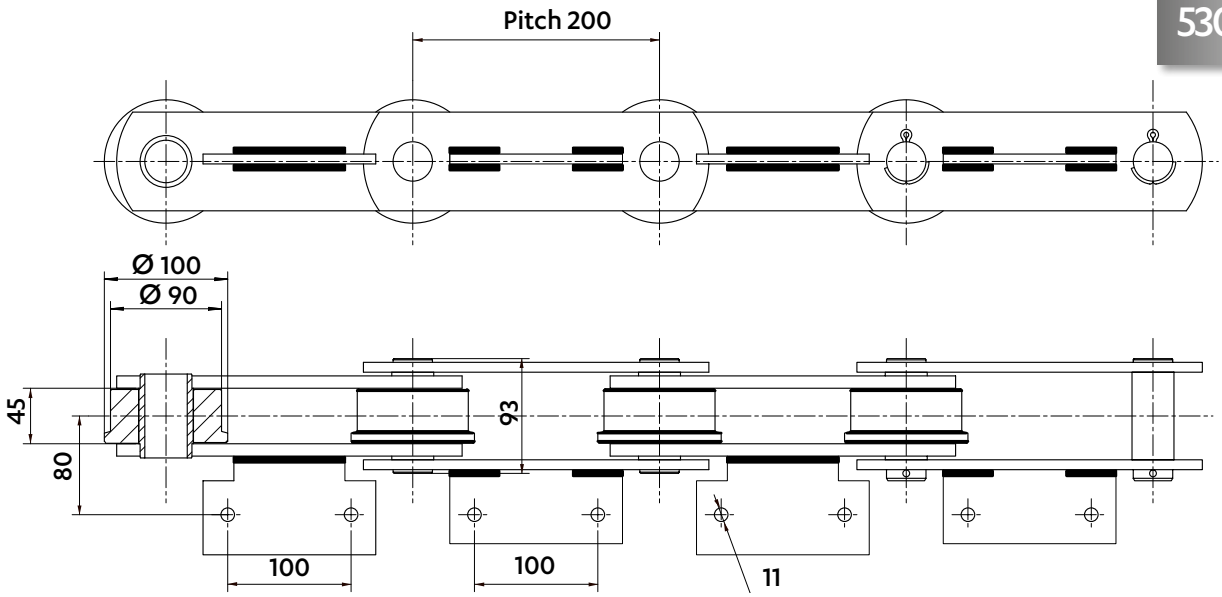
CHAINS FOR GRAPES FERMENTATION TANKS

5618-03
Breaking load : 140 kN

- dimensions and frequency of attachments are on request
- These chains are in stainless steel with bushes in bronze



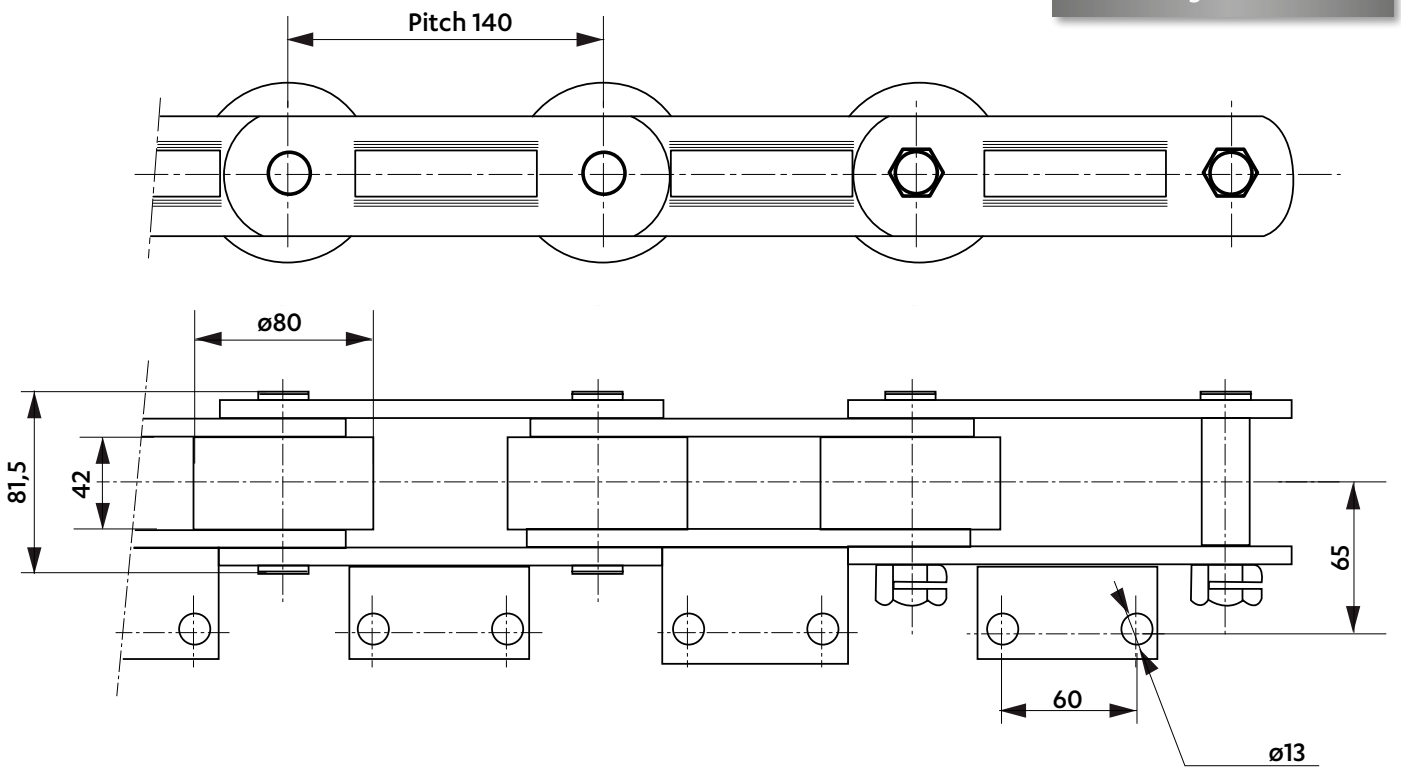
5308-46



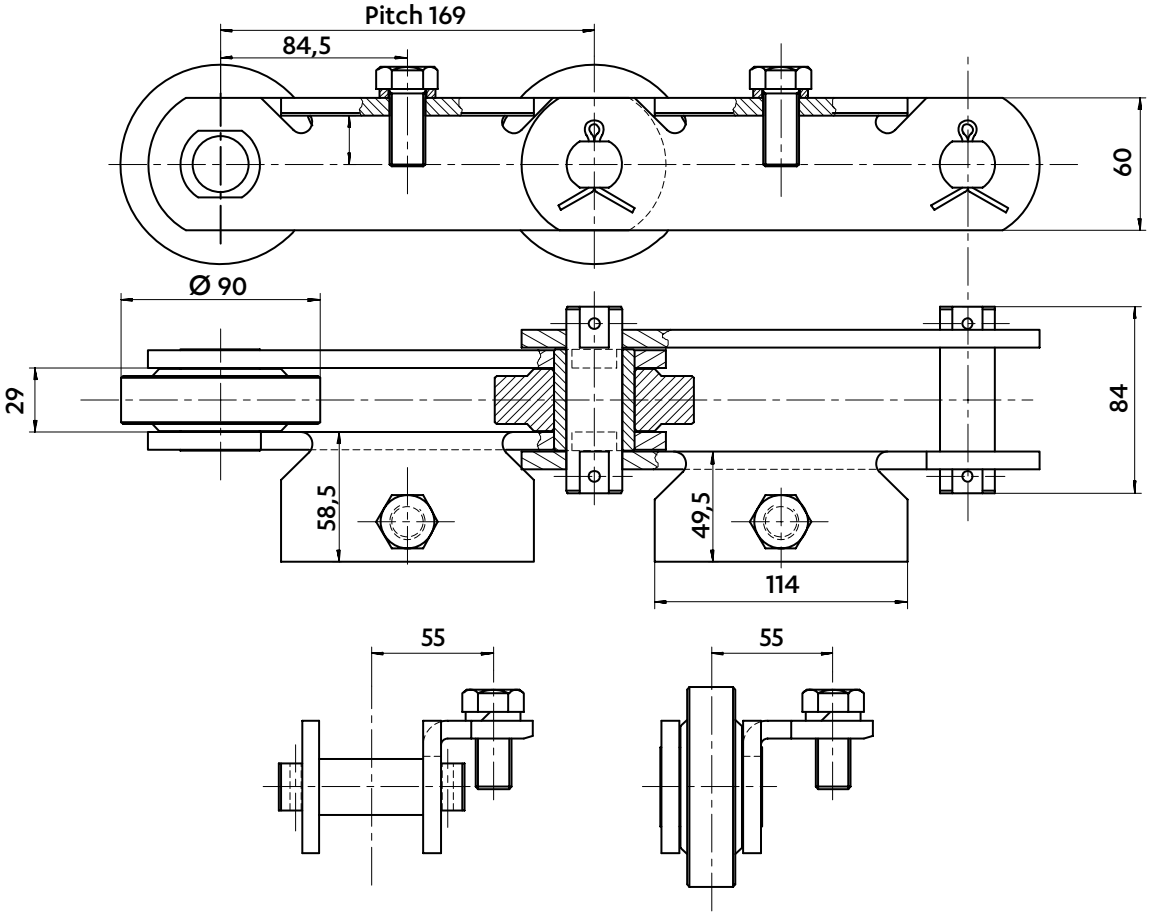
Dimensions in mm

CHAINS FOR BOTTLE WASHING

5669-01
Breaking load : 224 kN



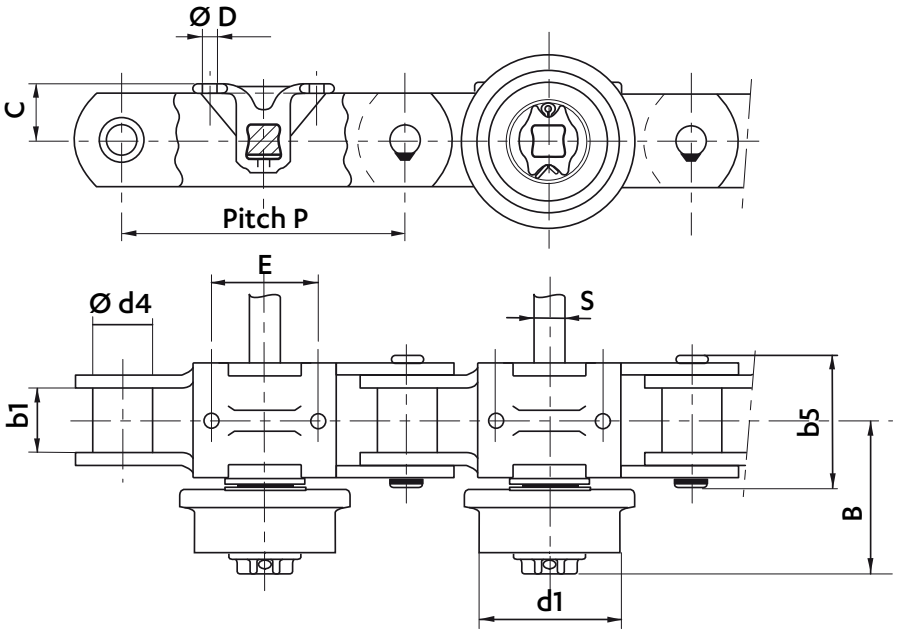
5931-01

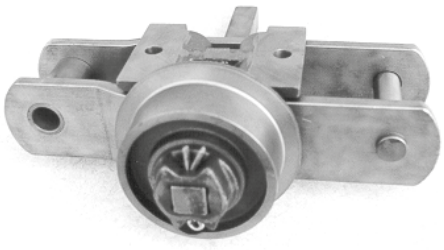


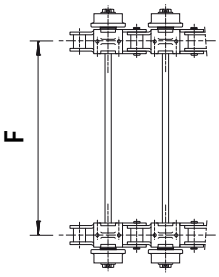
CHAINS FOR SUGAR INDUSTRY (CANE SUGAR)

Dimensions in mm

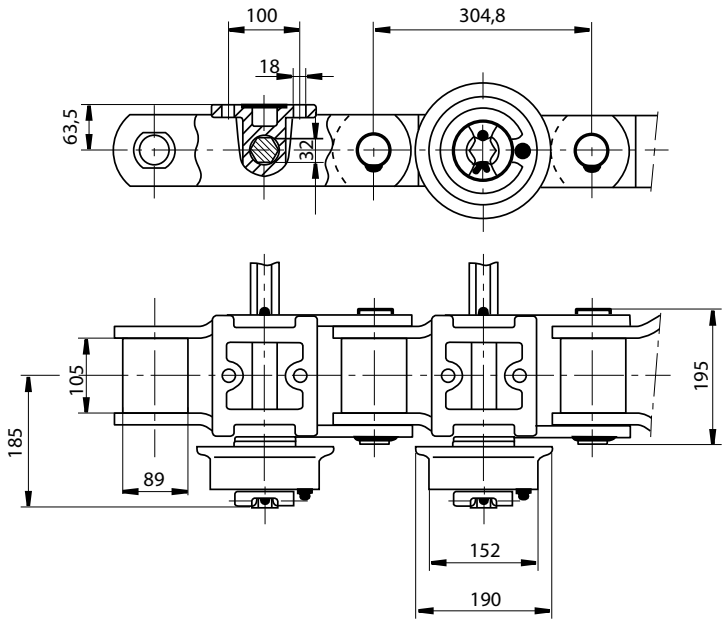
CANE CONVEYOR CHAINS



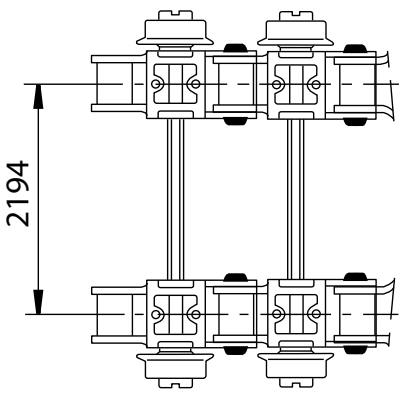




Chain ref	Pitch P	Width between inner plates b1	Bushes d4	Pins b5	Attachments C	D	E	Wheels d1	d5	Square rods S	Width B	Strand spacing F	Min. breaking load kN
5109-19	304,8	57,1	42,00	113	50,7	16	115	127,0	156	26	133,5	1780	314
5109-32		57,1	42,00	113	50,7			127,0	156	26	133,5	1980	314
5109-21		63,5	44,45	129	50,2			127,0	156	26	142,0	1510	451
5109-17		63,5	44,45	129	50,2			127,0	156	26	142,0	1580	451
5109-20		63,5	44,45	129	50,2			127,0	156	26	142,0	1680	451
5109-12		63,5	44,45	129	50,2			127,0	156	26	142,0	1780	451
5109-16		63,5	44,45	129	50,2			127,0	156	26	142,0	2080	451
5109-02		63,5	44,45	129	50,2			127,0	156	26	142,0	2280	451
5109-18		69,8	63,50	145	60,2			152,4	184	32	166,2	1680	627
5109-01		69,8	63,50	145	60,2			152,4	184	32	166,2	2240	627

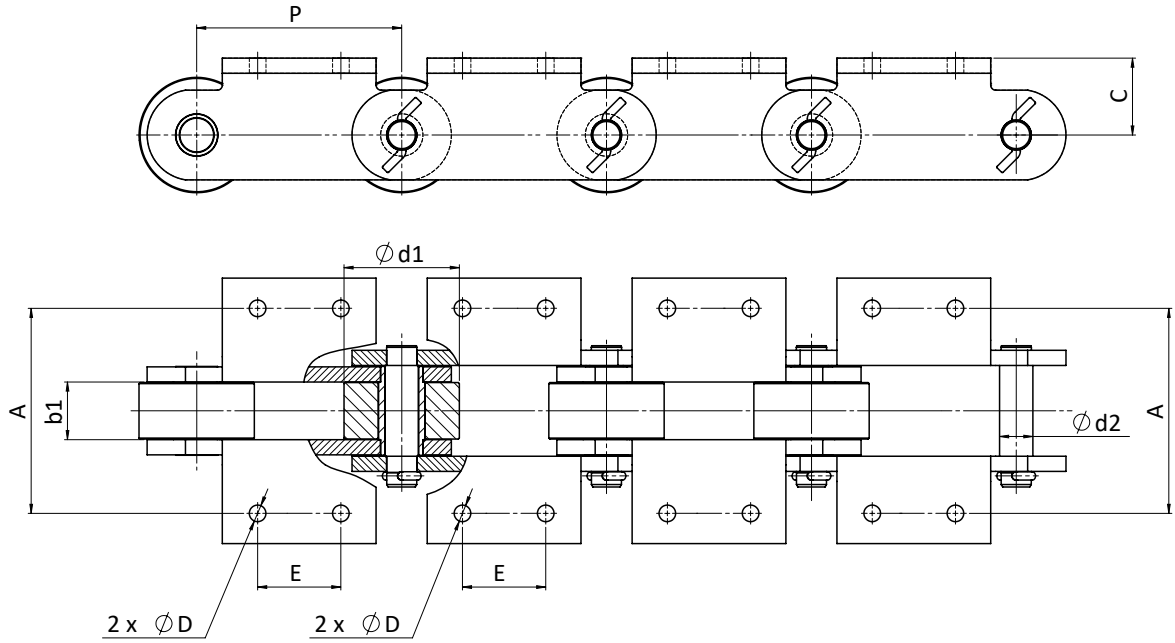


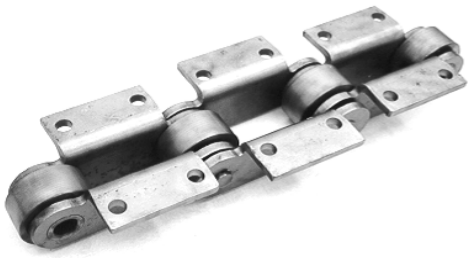
5371-01
Breaking load : 1014 kN



Dimensions in mm

CANE CONVEYOR CHAINS

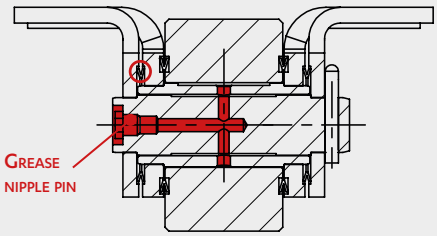




SEDIS solution

POSSIBLE OPTION:

V SEALS + AXIAL GREASING



- Seals the articulation from outside
- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

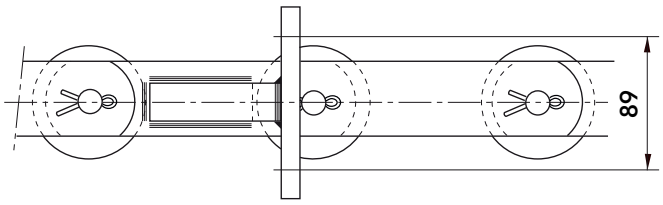
Chain ref	Pitch P	Width between inner plates b1	Pins b5	Wheels d1	Attachments C	D	E	A	seal and axial greasing option	Min. breaking load kN
5361-76	152,4	38,1	98	70	42,0	14,5	76,2	111		310
5361-60		38,1	98	76	42,0	14,5	76,2	111		310
5617-06		38,1	98	70	45,0	14,5	60,0	130		315
5361-31		43,1	100	76	42,0	14,0	60,0	125		315
5361-38		37,2	101	76	44,5	14,5	76,2	111		471
5361-32		56,1	113	85	42,0	14,0	60,0	150		500
5361-38		38,5	22	76	44,5	14,5	76,2	111		471
5977-66		46	23	81	45	14,3	76,2	110	x	168
5977-57		38,1	23,8	80	44,45	14,3	76,2	111,24		635
5977-58		38,1	23,8	80	44,45	14,3	76,2	111,24	x	635
5532-13	203,2	57,15	33	114,3	76,2	16,5	82,5	203,2		1226
5532-03		57,15	33	114,3	76,2	16,5	82,5	203,2	x	1226

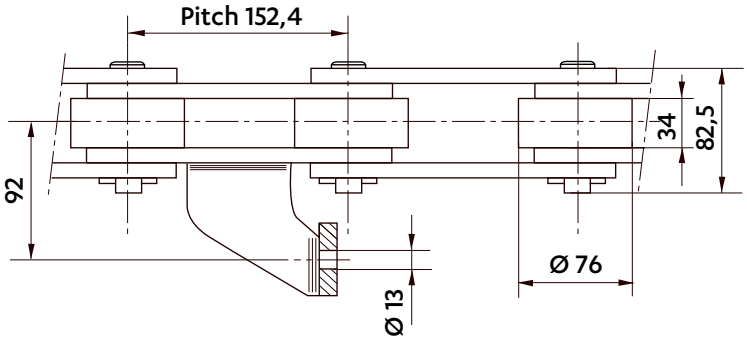
CHAINS FOR SUGAR INDUSTRY (CANE SUGAR)

Dimensions in mm

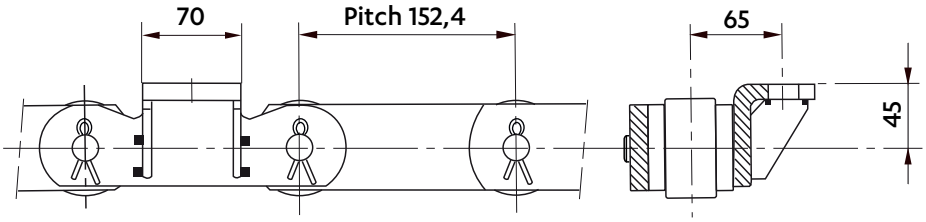
INTERMEDIATE CONVEYOR CHAINS

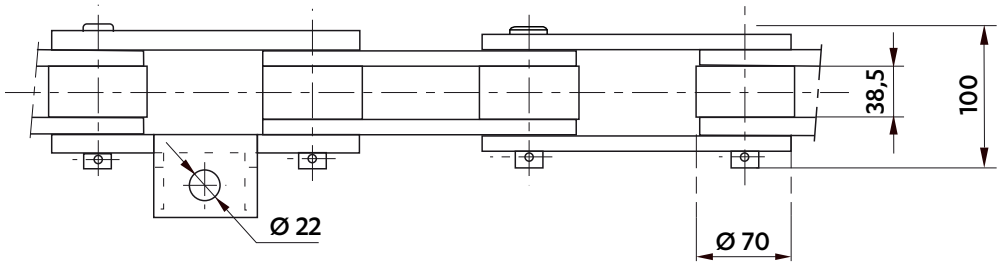
5361-29
Breaking load : 220 kN



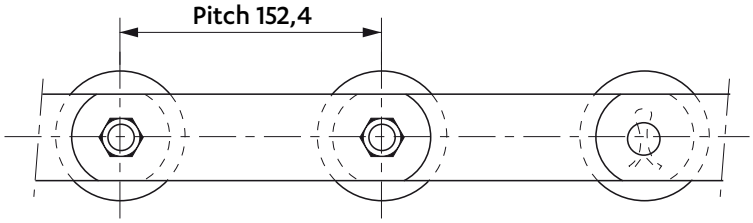


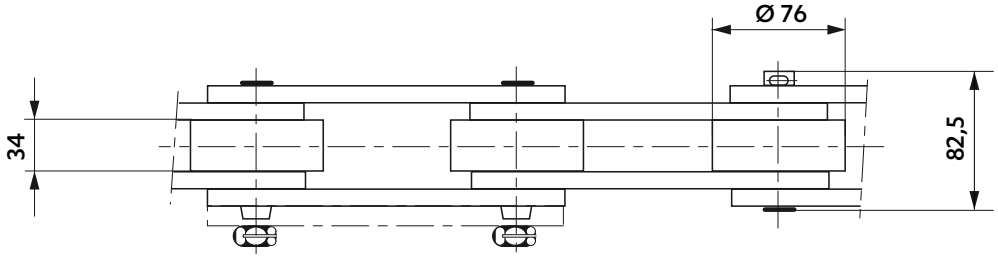
5361-59
Breaking load : 310 kN





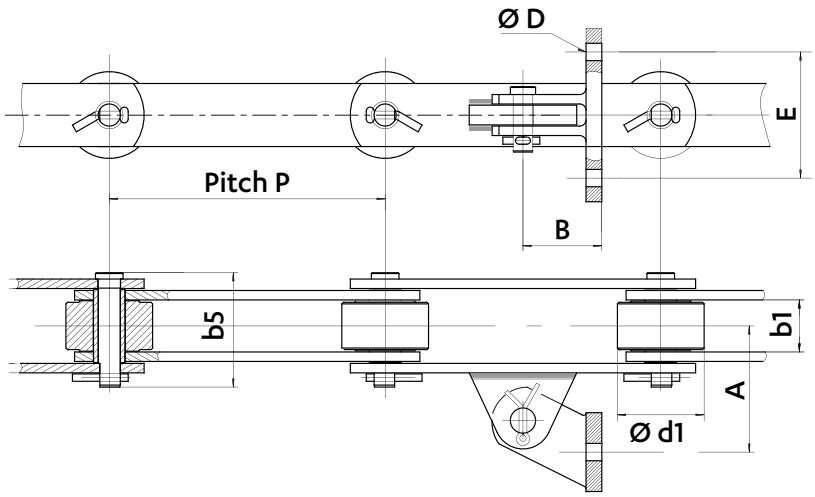
5361-22
Breaking load : 220 kN



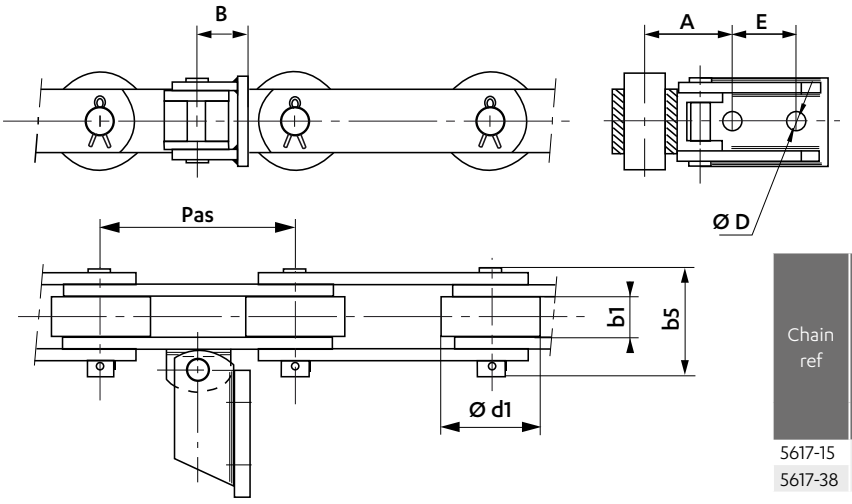


Dimensions in mm

BAGASSE CARRIER CHAINS

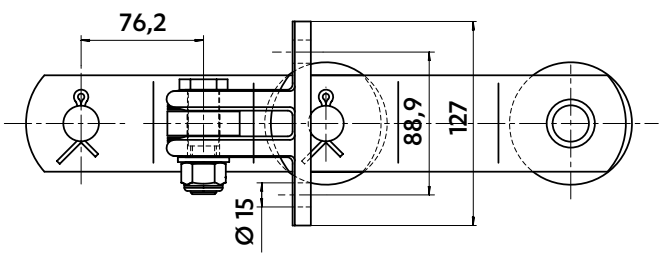


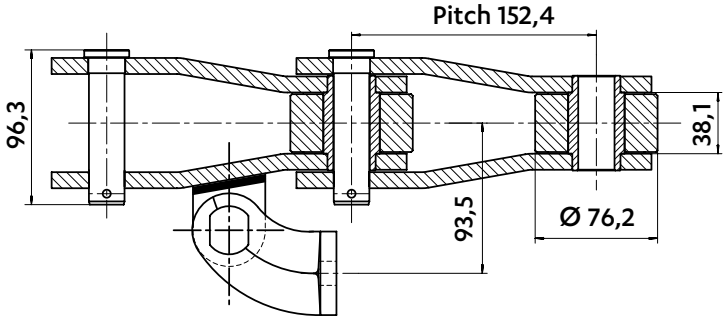
Chain ref	Pitch	Width between inner plates	Pins	Wheels	Attachments			
	P	b1	b5	d1	D	A	B	E
5617-17	152,4	33,6	85	76	13	92	68	89
5617-13	152,4	38,1	99	76	13	92	68	89
5783-05	350	66,0	145	110	22	22	100	160



Chain ref	Pitch	Width between inner plates	Pins	Wheels	Attachments			
	P	b1	b5	d1	D	A	B	E
5617-15	152,4	38,1	98,5	76	13	98,5	67	150
5617-38		34,0	82,5		14	68,0	40	50

5617-32



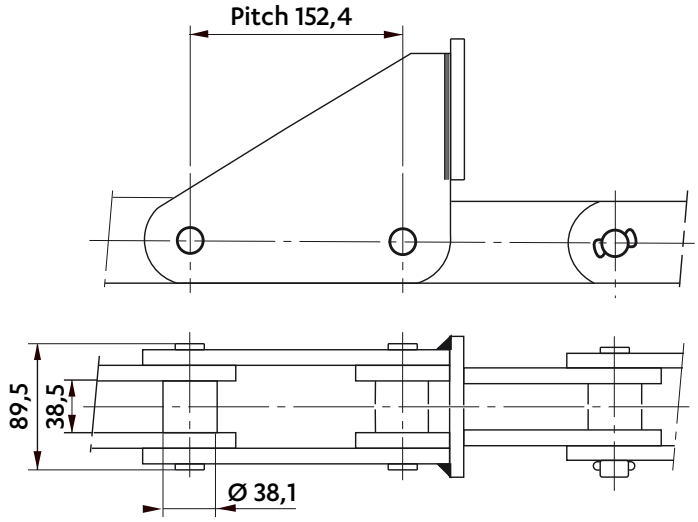


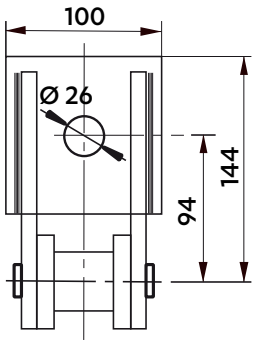
CHAINS FOR SUGAR INDUSTRY (CANE SUGAR)

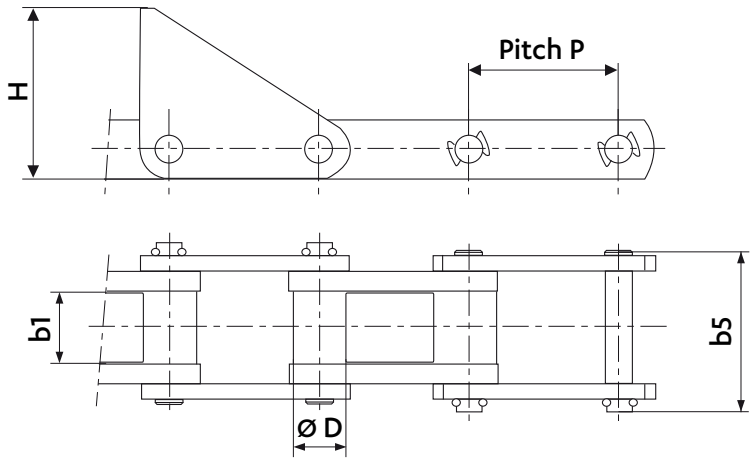
Dimensions in mm

CONVEYOR CHAINS WITH PUSHER PLATES

5361-61
Breaking load : 310 kN

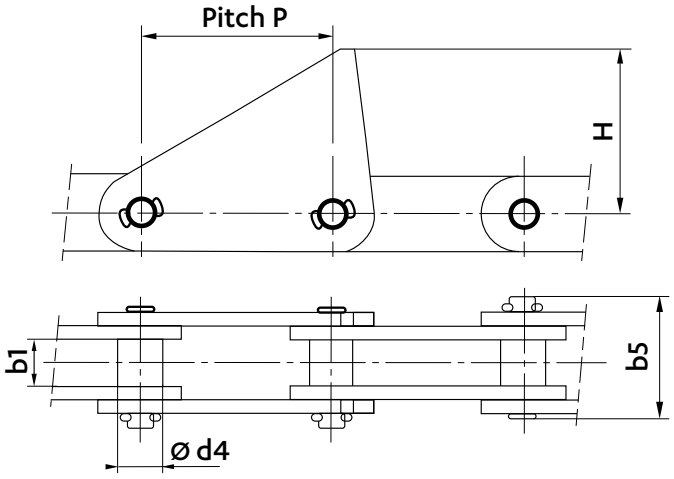






Moulded inner link

Chain ref	Pitch P	Width between inner plates b1	Pins b5	Pusher plates height H	D
5390-06	101,60	47	109,5	115	36
5873-01	153,67	73	155,0	152	44

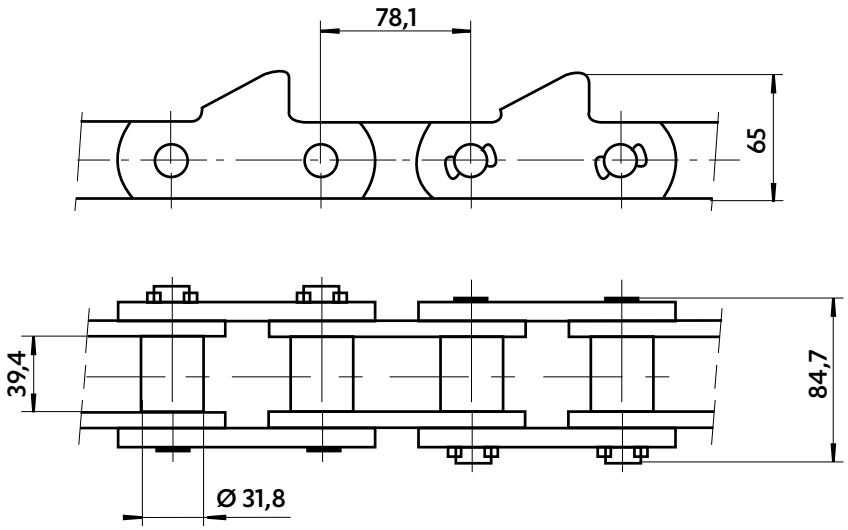


Chain ref	Pitch P	Width between inner plates b1	Bushes d4	Pins b5	Pusher plates height H	Min. breaking load kN
5315-02	135,0	39,0	28	84,7	150	175
5361-14	152,4	38,1	35	96,6	160	310

Dimensions in mm

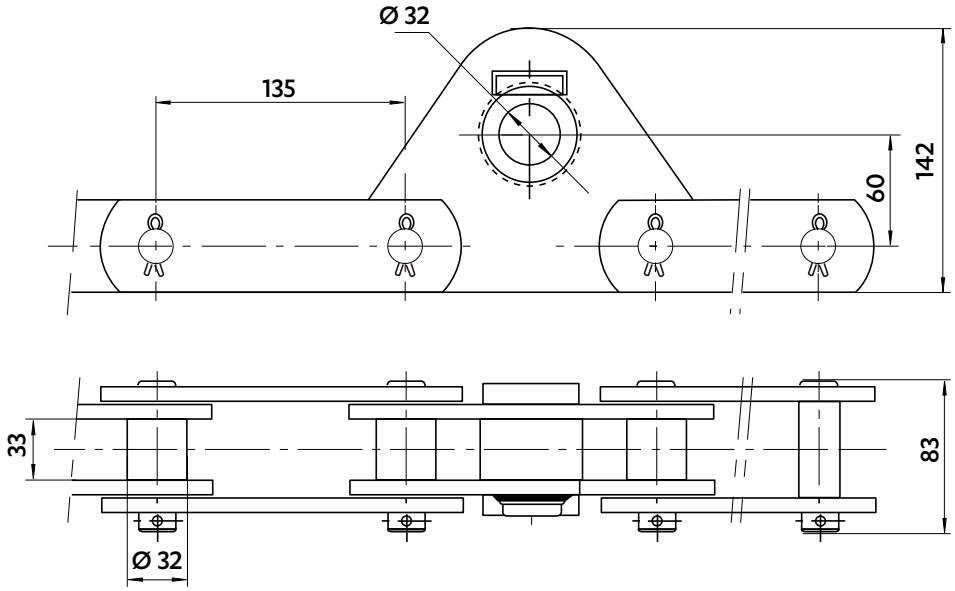
BOILER CHAIN

5576-01
Breaking load : 100 kN



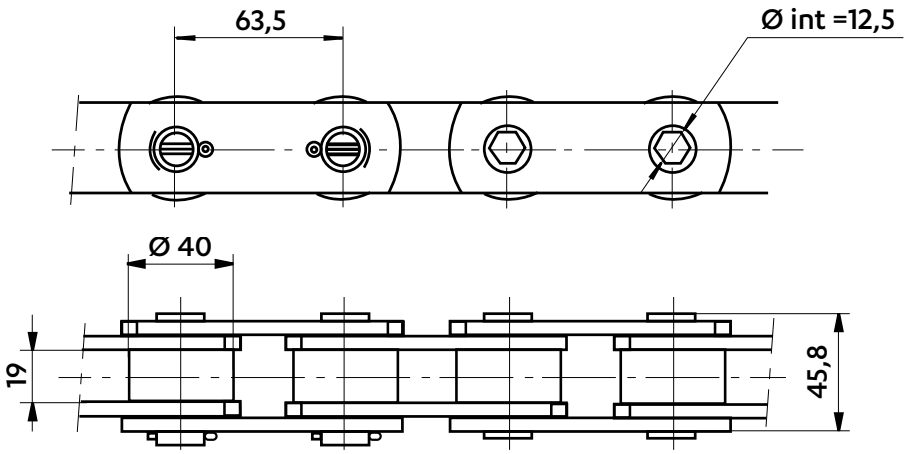
CHAIN FOR WEEDING

5453-03 / 5453-04
Breaking load : 145 kN



CHAIN FOR CANE HARVESTER AND CONTINUOUS LOADER

5419-11
Breaking load : 49 kN
Hollow pin chain

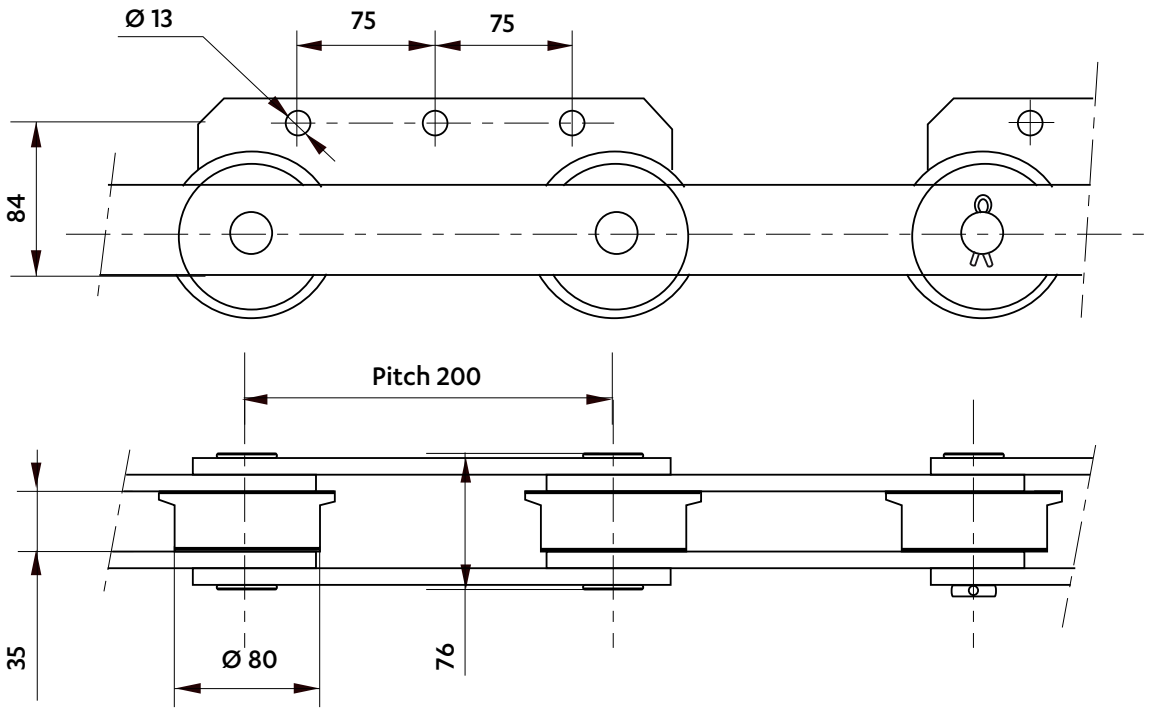


CHAINS FOR SUGAR INDUSTRY (BEET SUGAR)

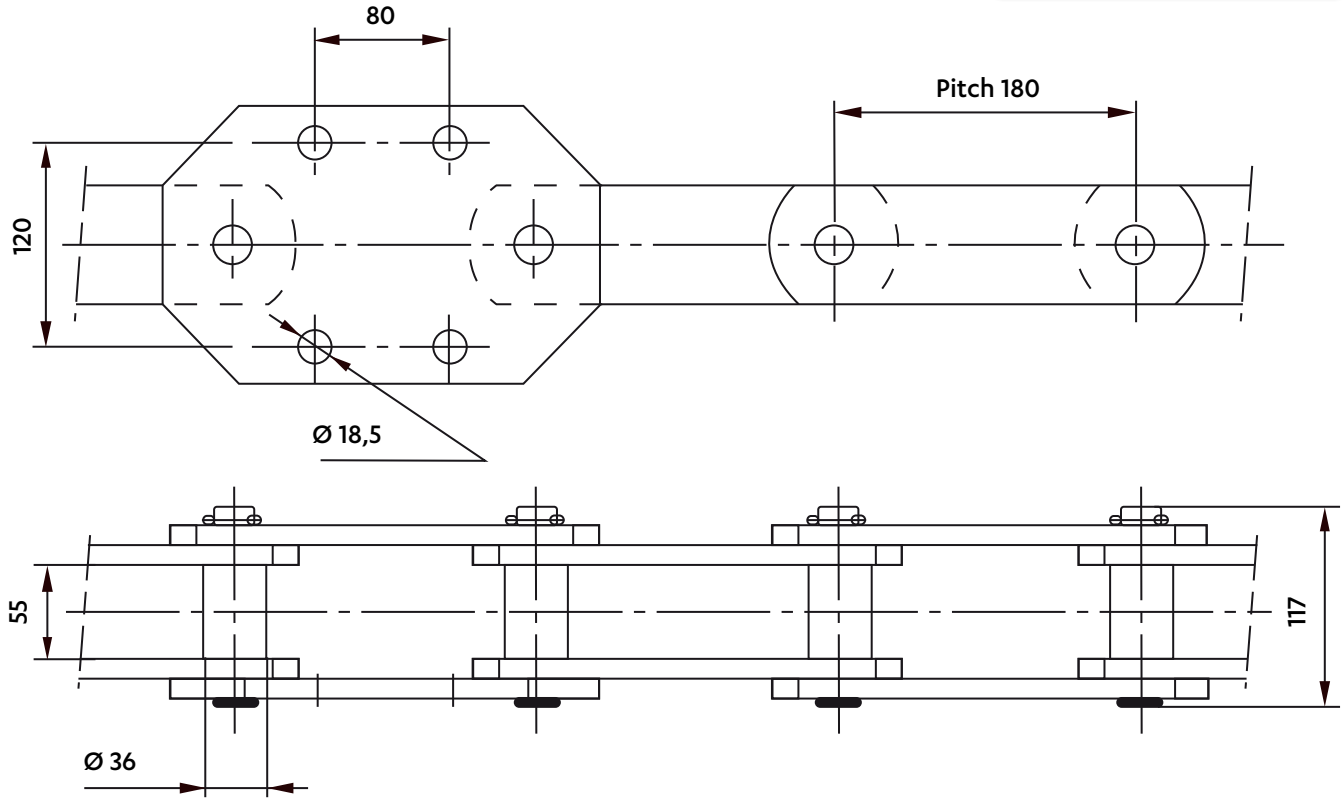
Dimensions in mm

CHAINS FOR BEET CLEANING - ROCK CATCHER

5308-40
Breaking load : 180 kN



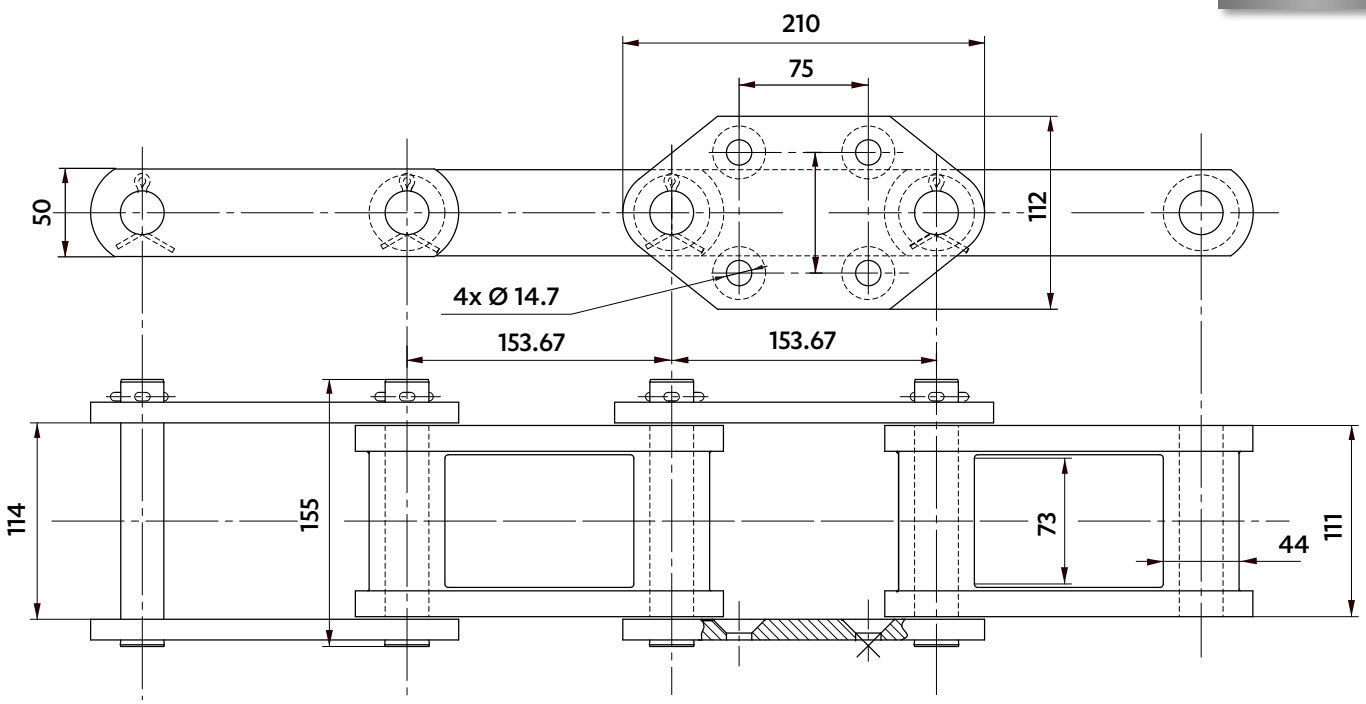
5334-03
Breaking load : 320 kN



Dimensions in mm

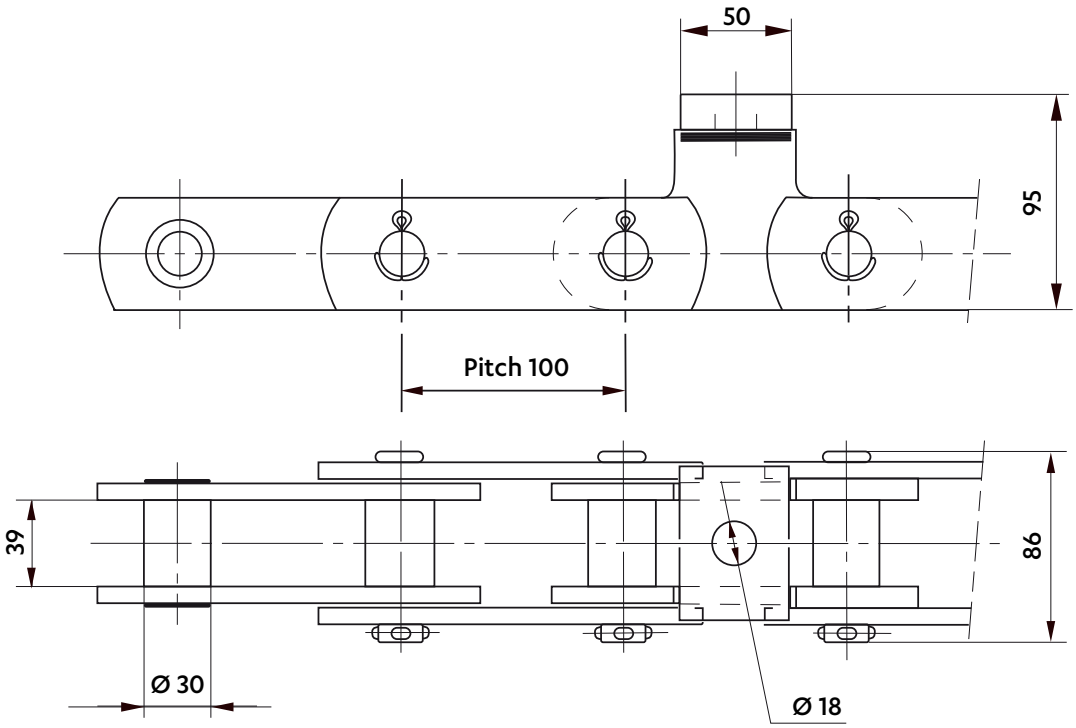
CHAINS FOR BEET CLEANING - ROCK CATCHER

5873-02



CHAINS FOR EVAPORATOR

5377-50
Breaking load : 145 kN

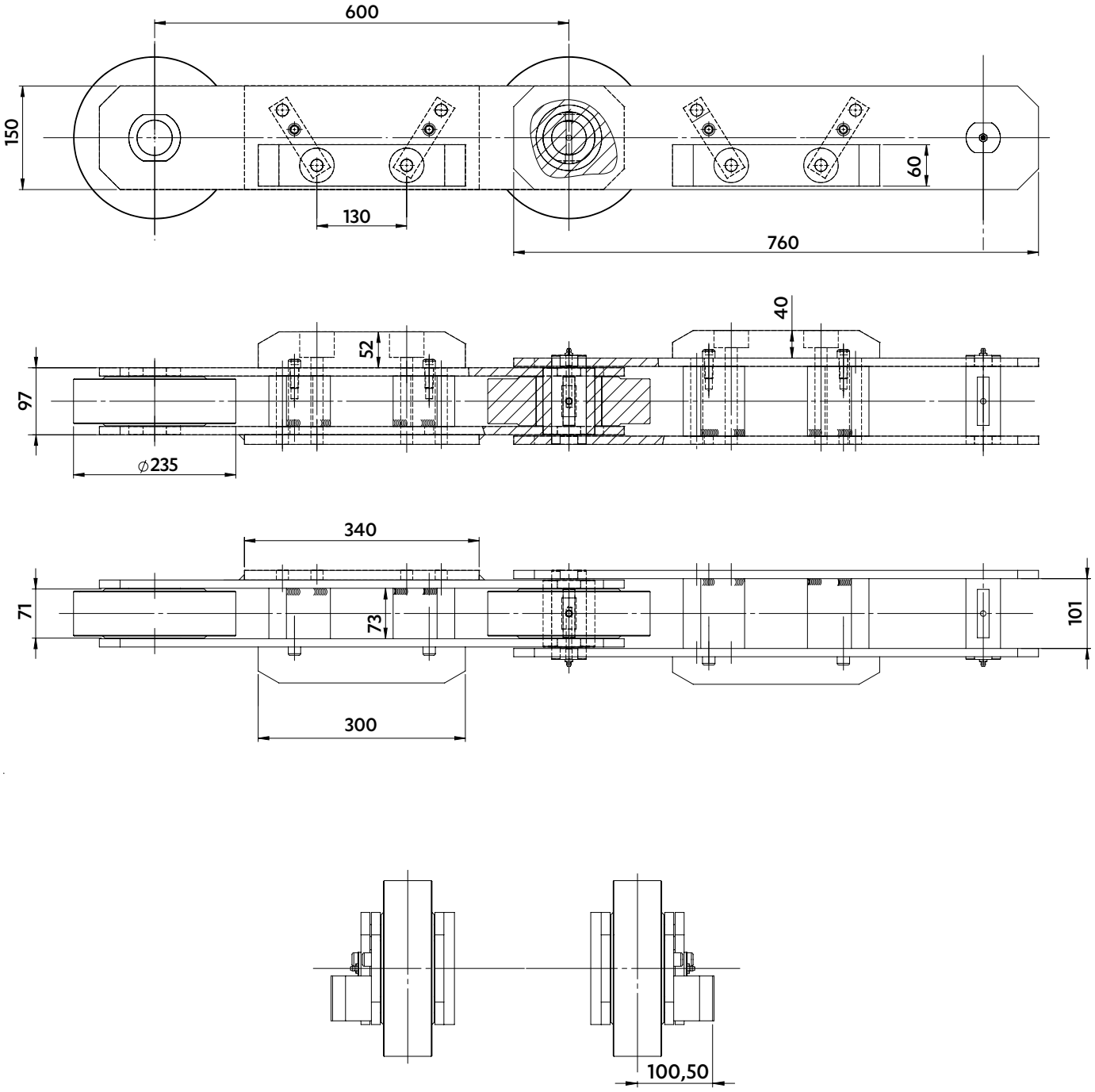


CHAINS FOR SUGAR INDUSTRY (BEET SUGAR)

Dimensions in mm

CHAIN FOR BEET CLEANING

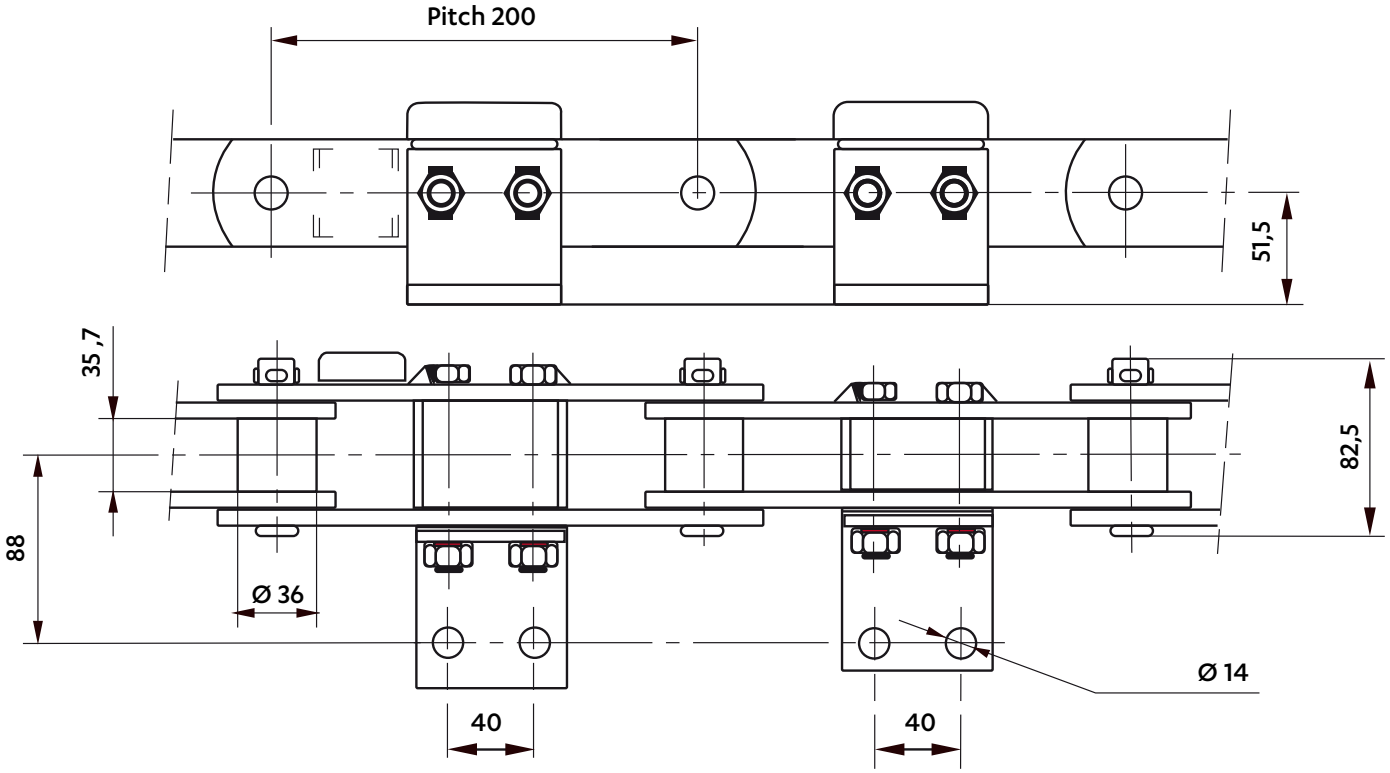
5747-31

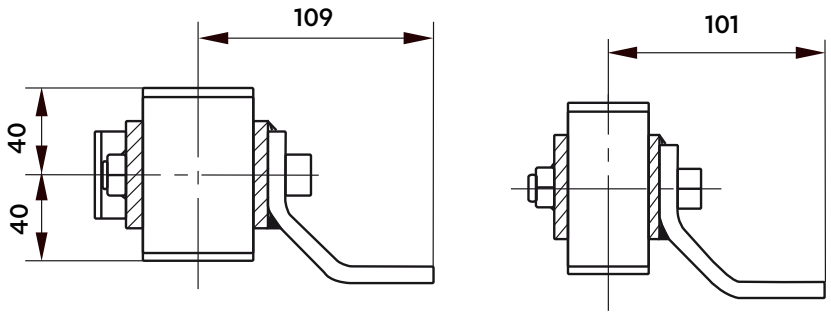


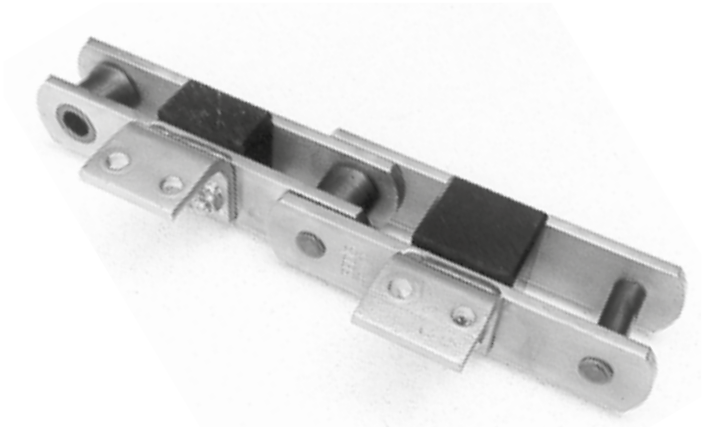
Dimensions in mm

CHAIN FOR BEET CLEANING : HYDRO TRASH CATCHER

5308-13
Breaking load : 160 kN
Top plates in plastic





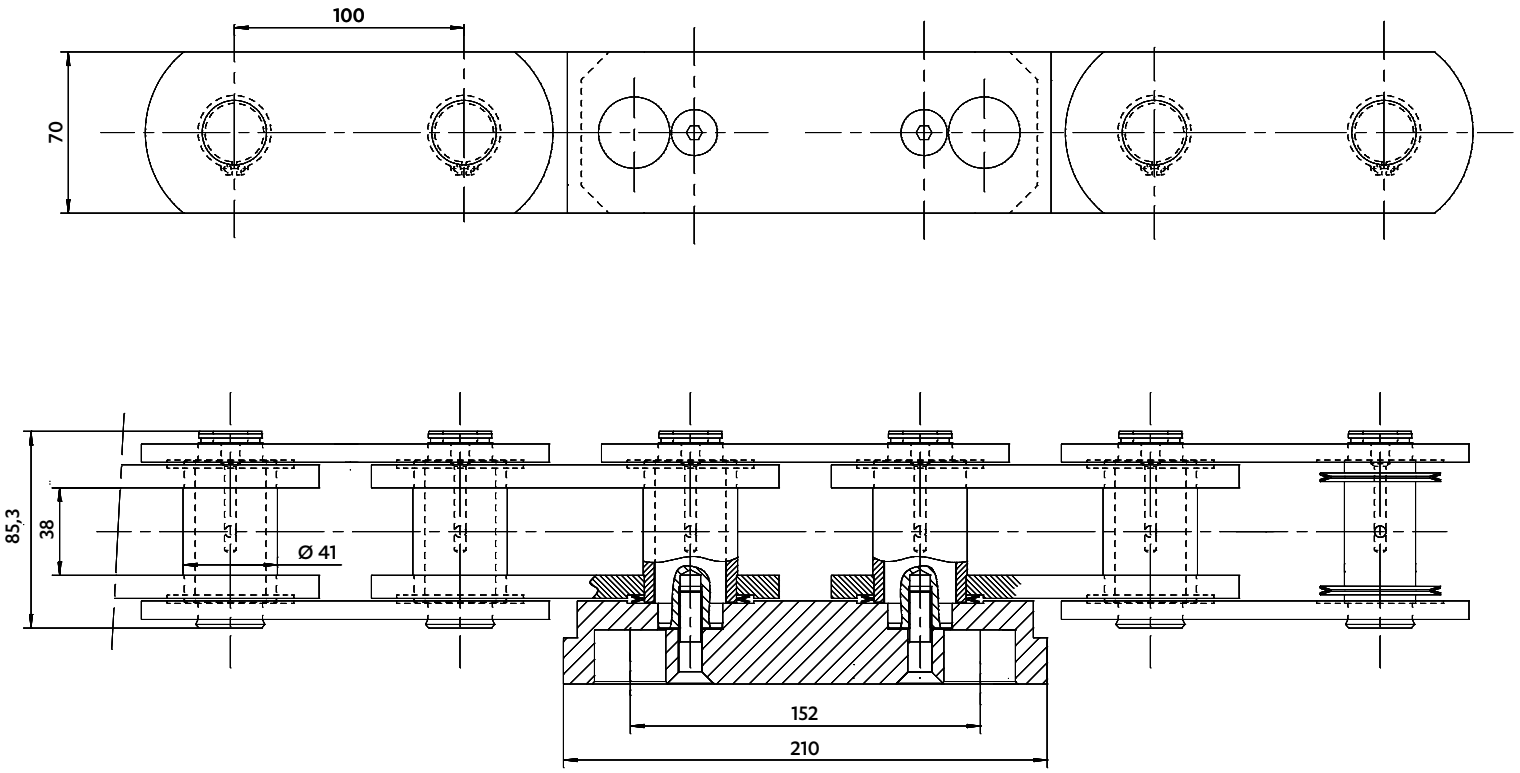


CHAINS FOR SUGAR INDUSTRY (BEET SUGAR)

Dimensions in mm

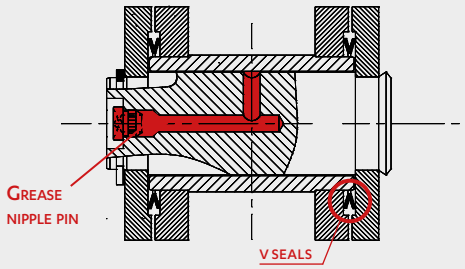
CHAIN FOR EVAPORATOR

5890-80



SEDIS solution

V SEALS + AXIAL GREASING

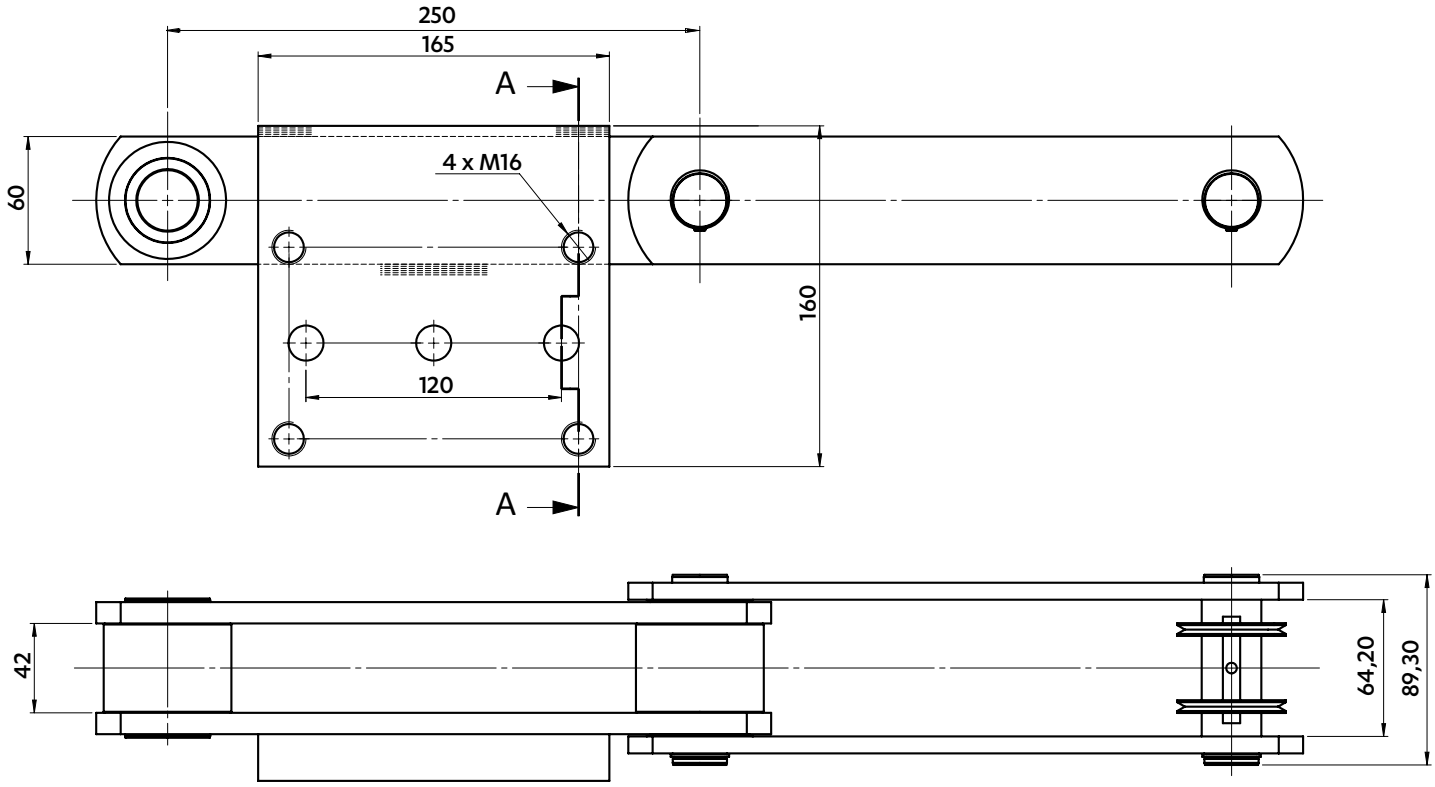


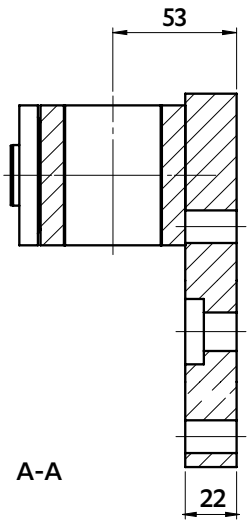
- Seals the articulation from outside
- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

Dimensions in mm

CHAIN FOR BEET CLEANING : TRASH CATCHER

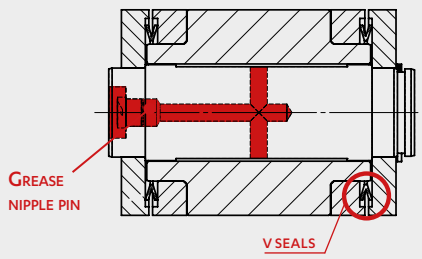
5972-66





SEDIS solution

DELTA® ARTICULATION + V SEALS + AXIAL GREASING



- Improved wear resistance
- Seals the articulation from outside
- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

SPECIAL CHAINS

sedis

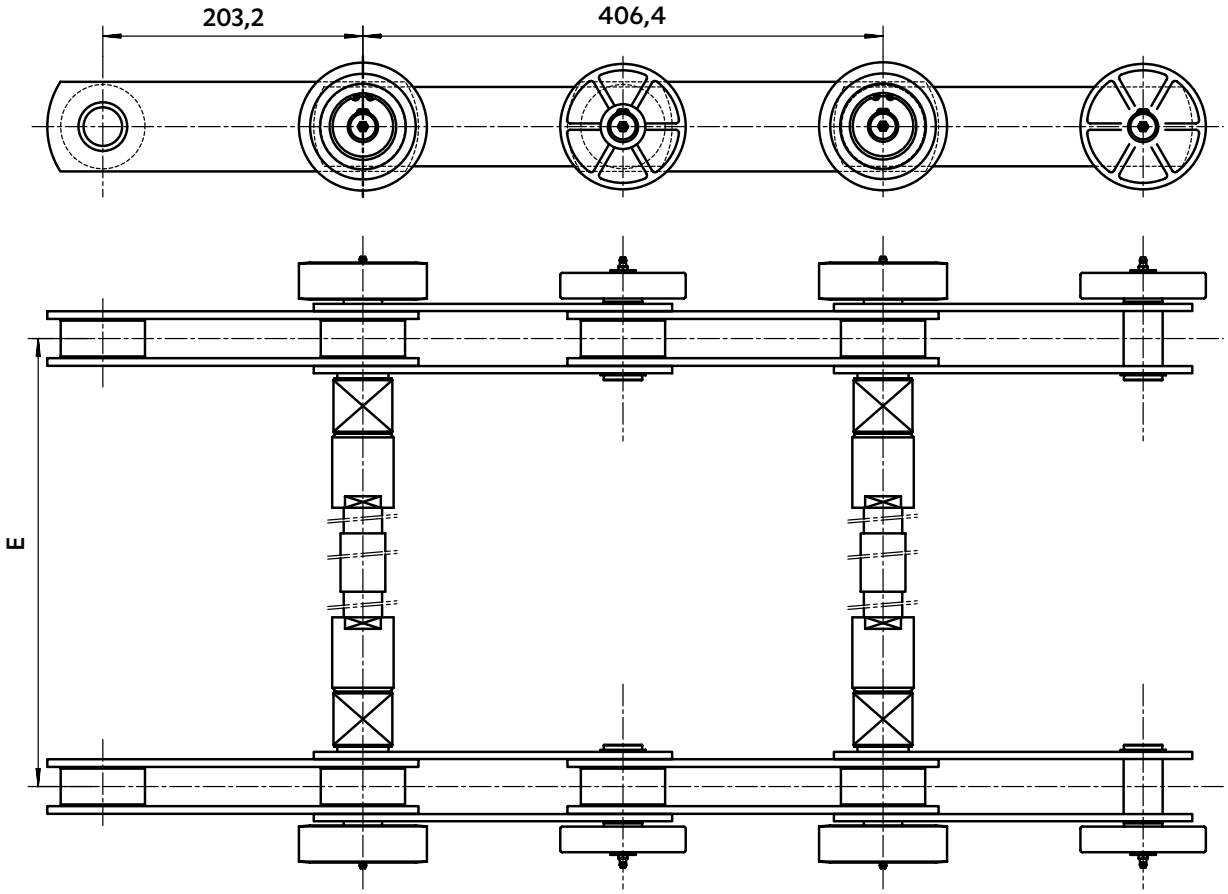
URBAN

ESCALATOR CHAINS

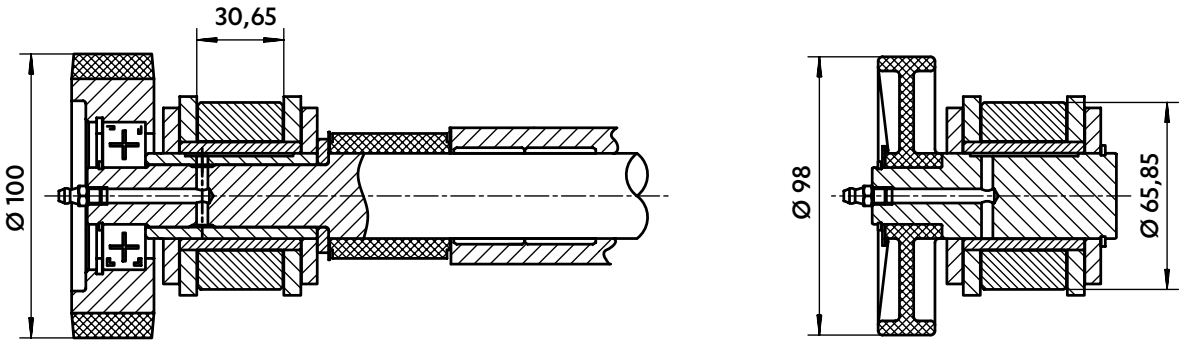
Dimensions in mm

CHAINS FOR ESCALATORS AND MOVING WALKWAYS

6560
Breaking load : 186 kN
Distance E : 1084 mm



6656
Breaking load : 186 kN
Distance E : 1490 mm

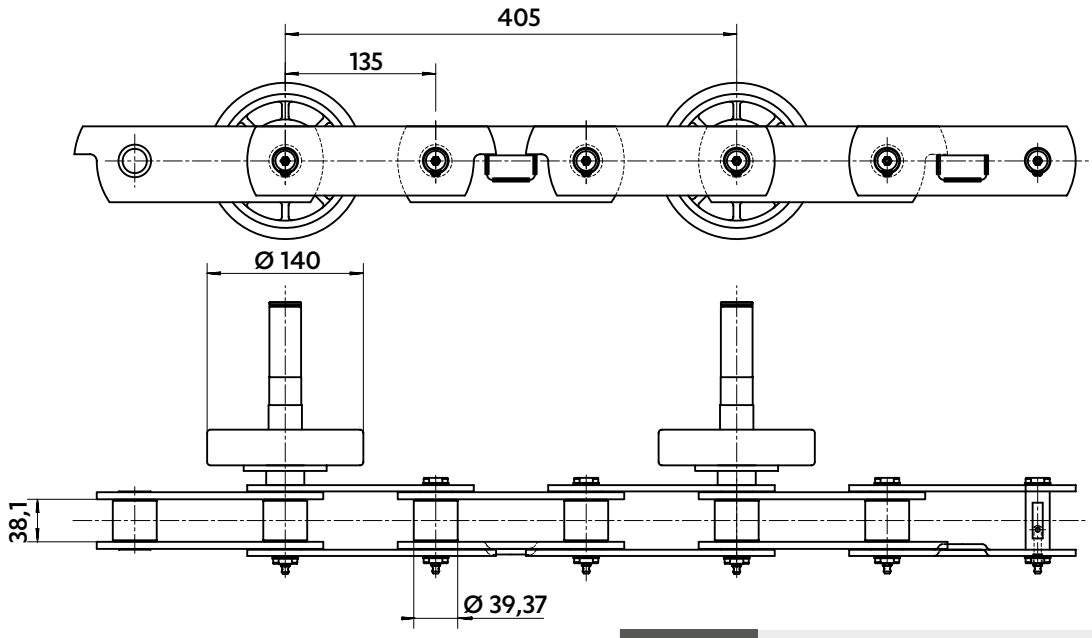


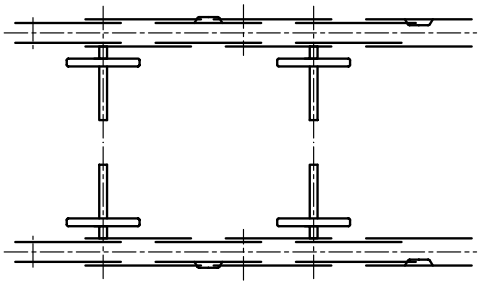
Dimensions in mm

CHAINS FOR ESCALATORS AND MOVING WALKWAYS

6529
Breaking load : 164 kN

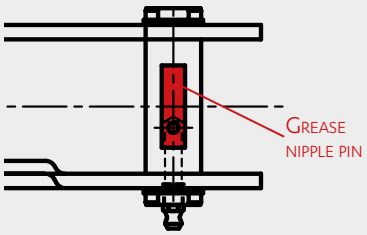
- With tabs, anti-backbend
- With outboard wheels fitted on extended pins





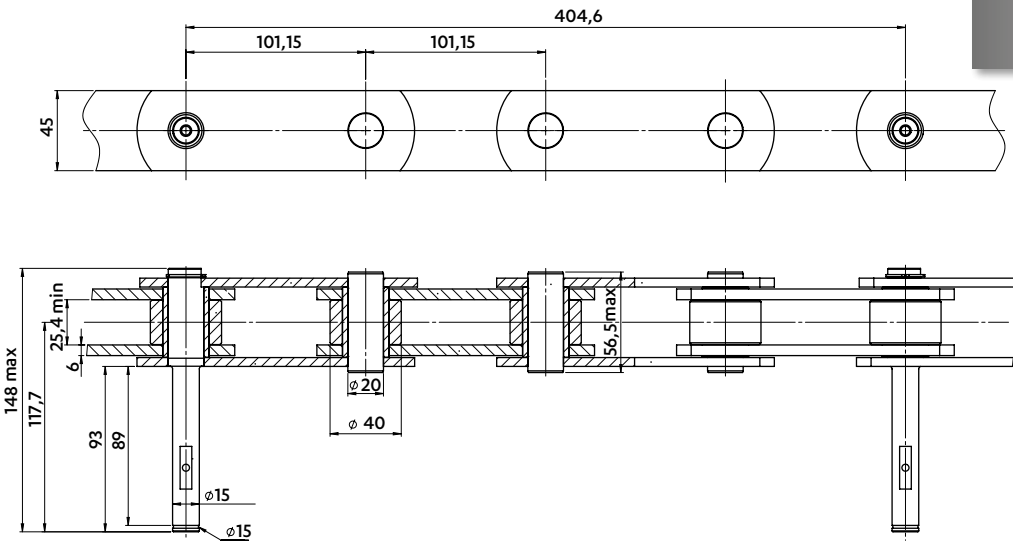
SEDIS solution

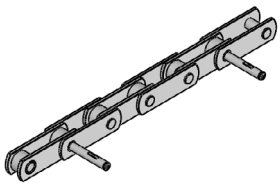
AXIAL GREASING



- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

6814
Breaking load : 200 kN





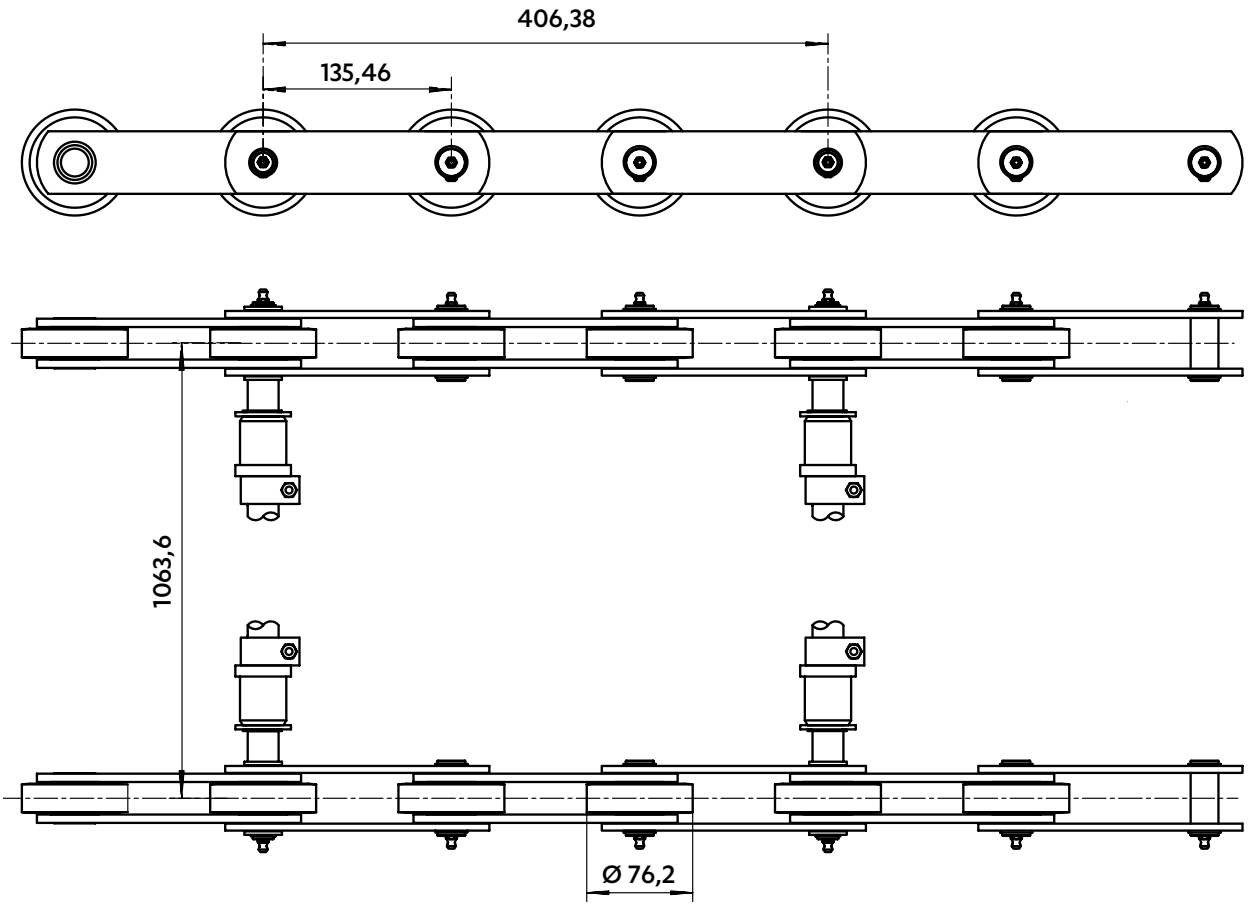
ESCALATOR CHAINS

Dimensions in mm

CHAINS FOR ESCALATORS AND MOVING WALKWAYS

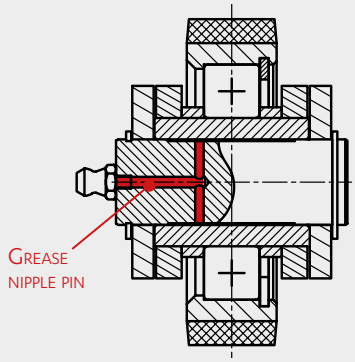
- With wheels integrated in the chains
- Shaft connecting twin strand chains

6688
Breaking load : 150 kN per strand



SEDIS solution

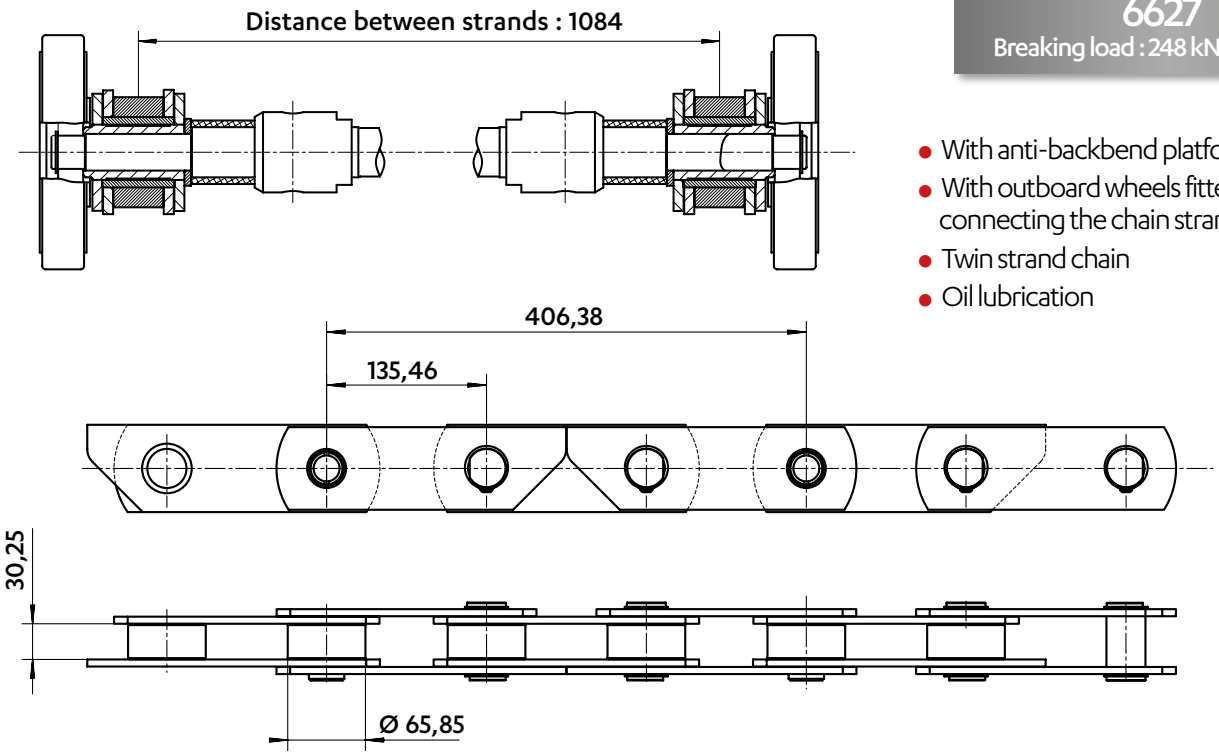
AXIAL GREASING



- Seals the articulation from outside
- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

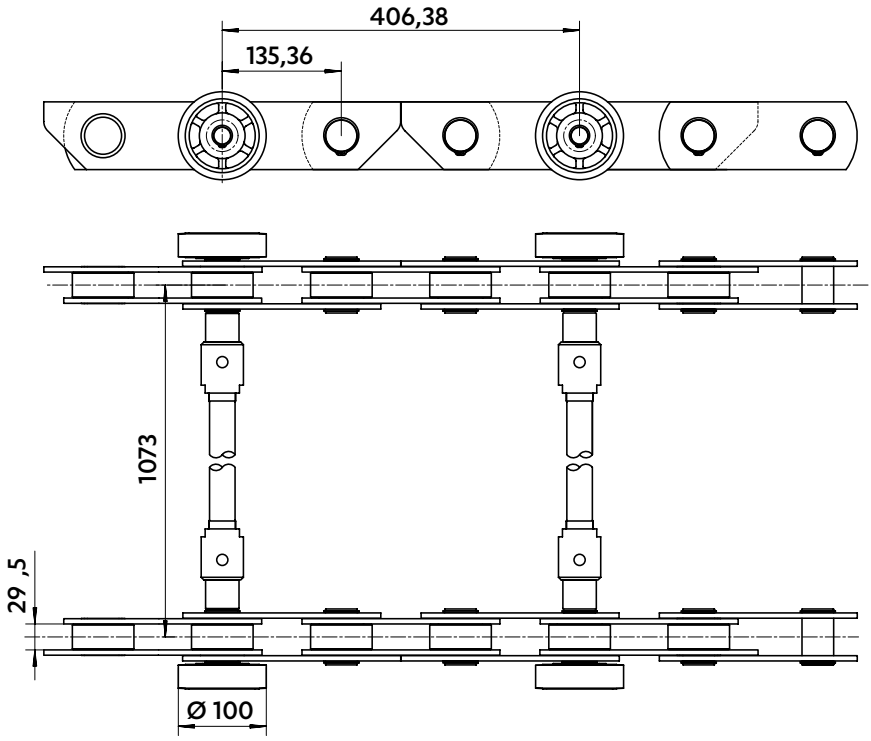
Dimensions in mm

CHAINS FOR ESCALATORS AND MOVING WALKWAYS



6627
Breaking load : 248 kN per strand

- With anti-backbend platform
- With outboard wheels fitted on shafts connecting the chain strands
- Twin strand chain
- Oil lubrication

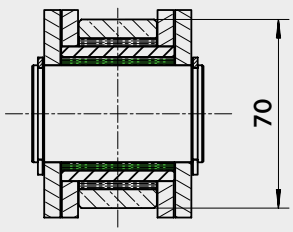


6649
Breaking load : 350 kN per strand

- With anti-backbend platform
- With outboard wheels fitted on shafts connecting the chain strands

SEDIS solution

VERTE® CHAIN



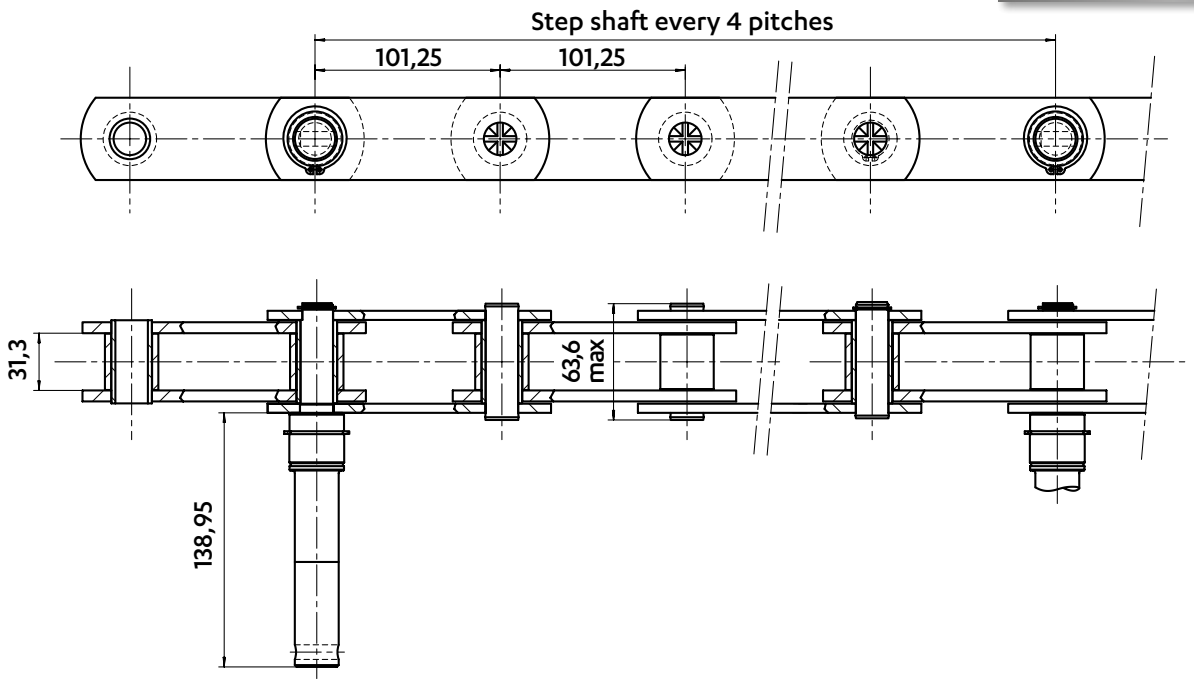
- Self-lubricating bushes
- Prevents maintenance
- Enhances the service life of the chain

ESCALATOR CHAINS

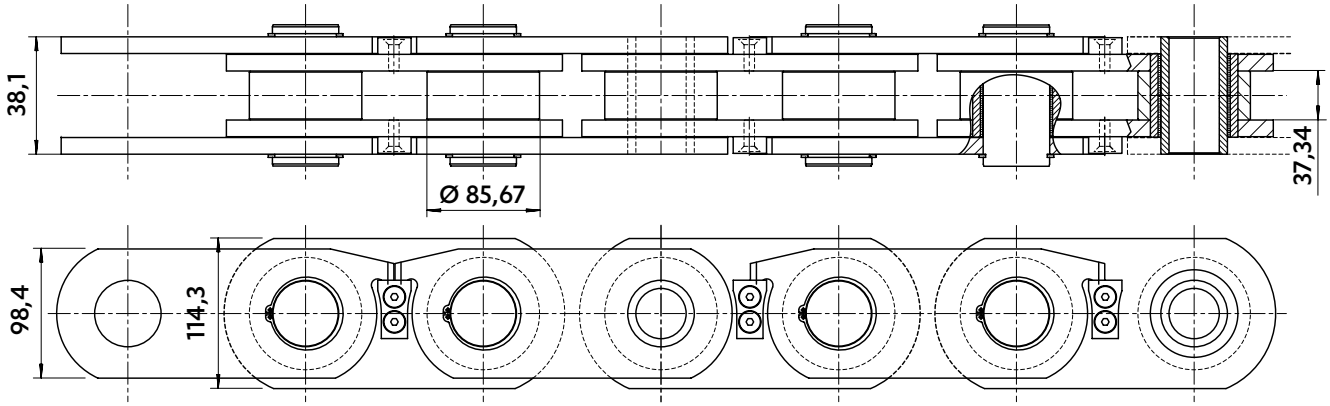
Dimensions in mm

CHAINS FOR ESCALATORS AND MOVING WALKWAYS

6707
Breaking load : 186 kN

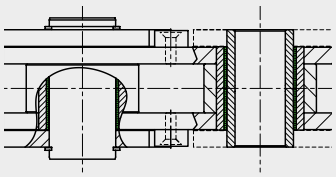


6717
Breaking load : 725 kN
Pitch: 135 mm



SEDIS solution

VERTE® CHAIN

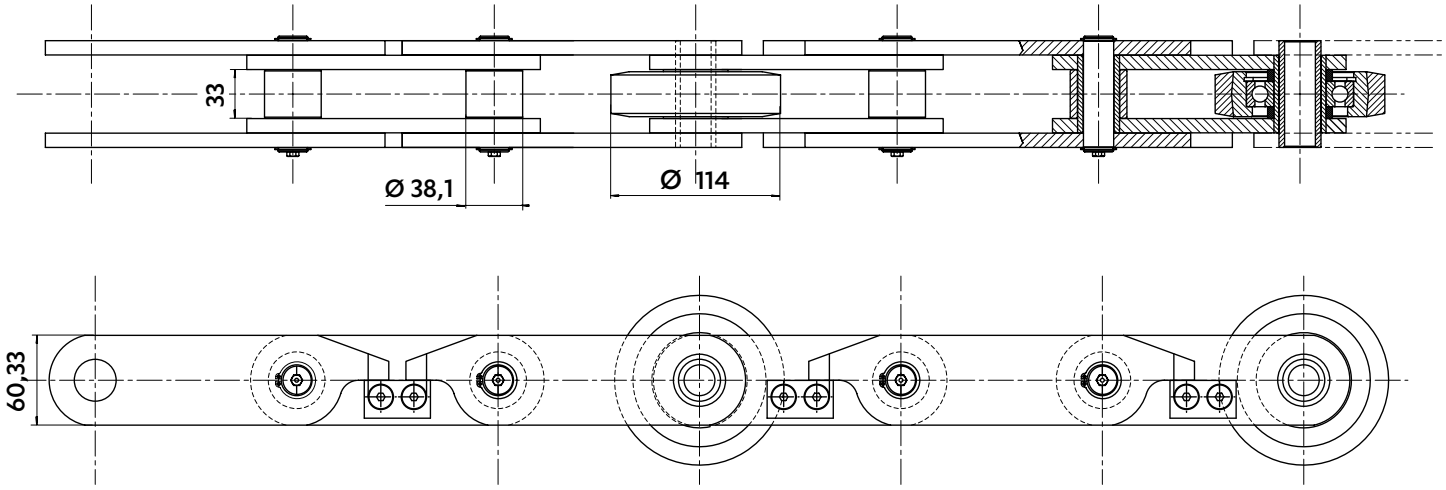


- Self-lubricating bushes
- Prevents maintenance
- Enhances the service life of the chain

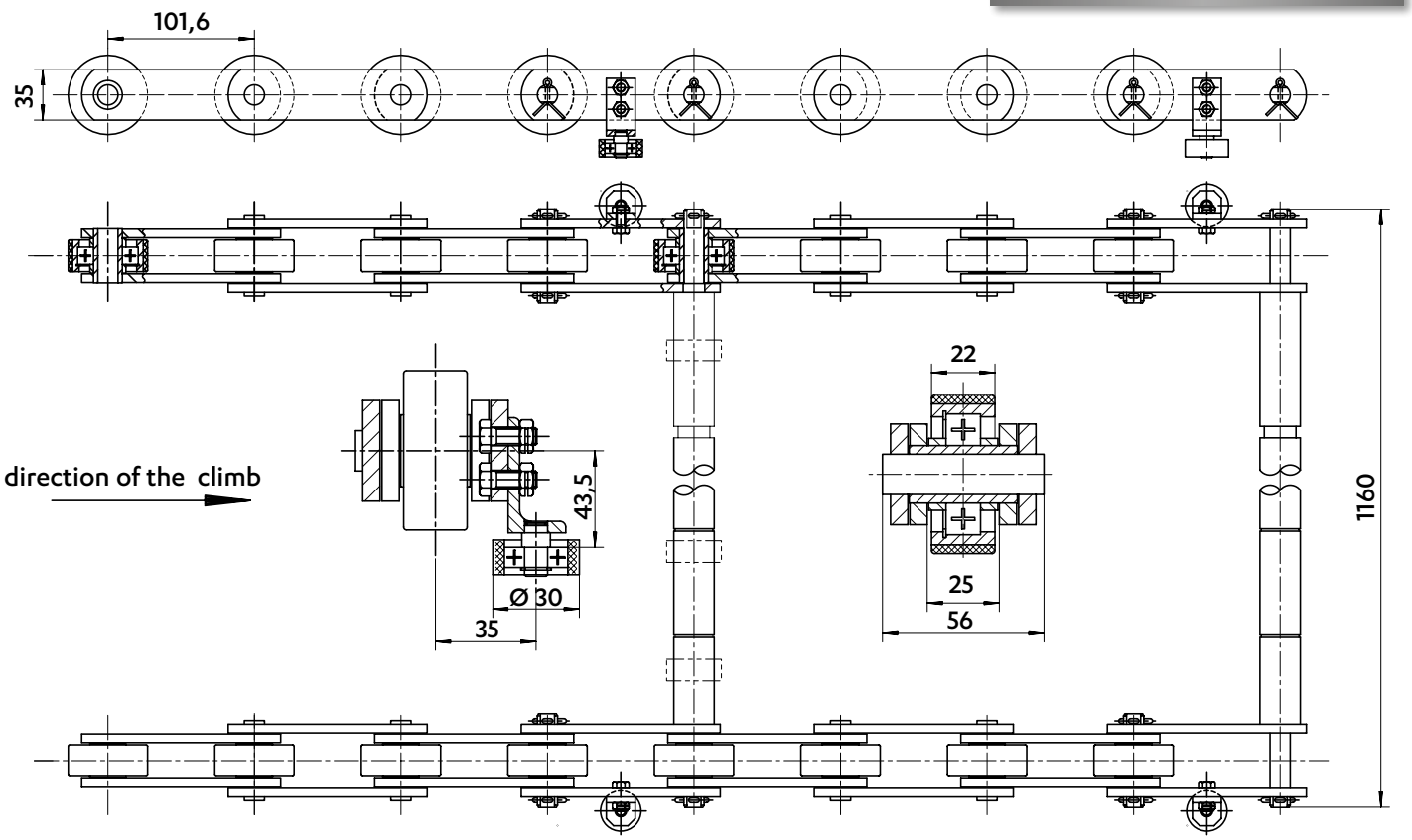
Dimensions in mm

CHAINS FOR ESCALATORS AND MOVING WALKWAYS

6723
Breaking load : 327 kN
Pitch: 135 mm



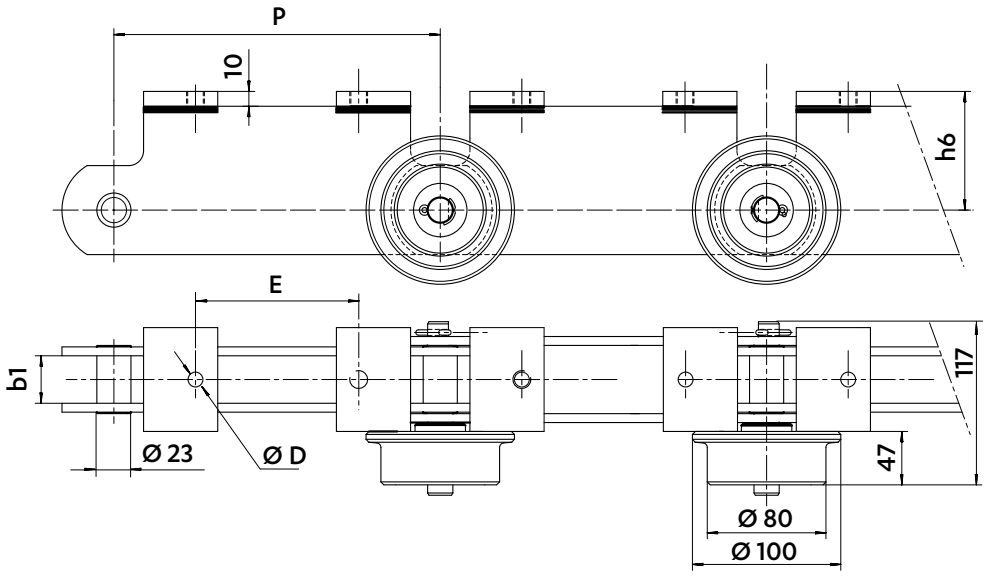
6732
Breaking load : 80 kN per strand



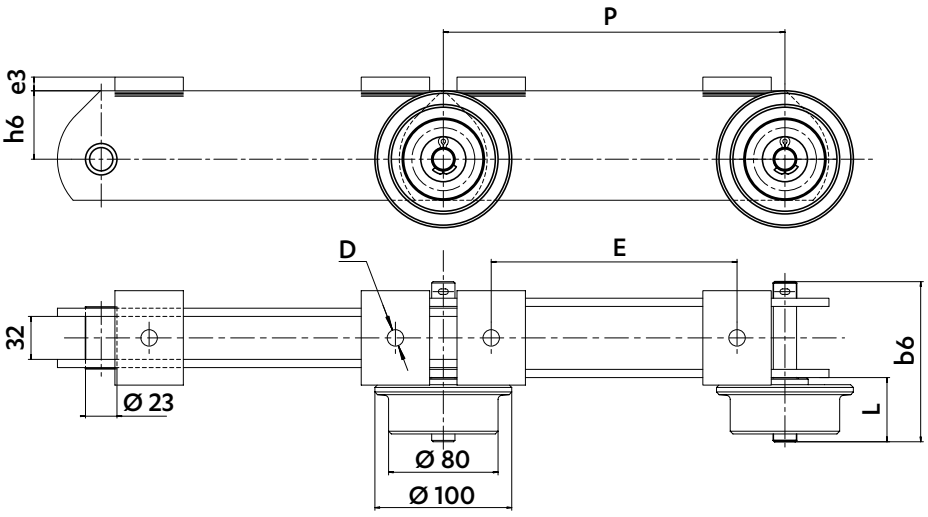
CHAINS FOR THE AUTOMOTIVE INDUSTRY

Dimensions in mm

CHAINS FOR FLOOR CONVEYORS



Chain ref	Pitch P	Width between inner plates b1 min.	Plates h6	Attachments D	Attachments E	Min. Breaking load kN
5345-13	220	32	60	12	60	140
5345-18	220	32	60	13	80	140
5345-17	220	32	60	13	80	220
5345-11	220	32	70	12	110	140
5345-30	250	32	70	12	140	140
5499-20	220	28	60	13	80	140
5499-58	220	32	70	M12	110	140



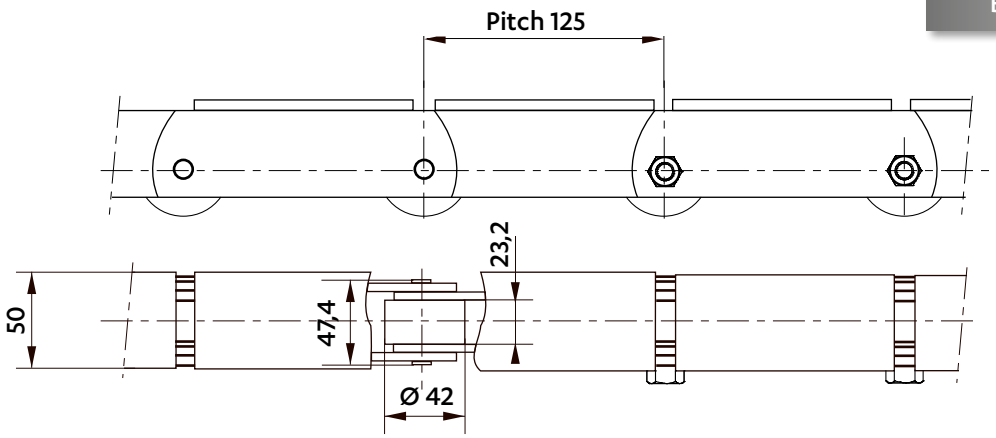
Chain ref	Pitch P	Pins L min.	Pins b6 max.	Plates h6	Attachments e3	Attachments D	Attachments E	Min. Breaking load kN
5345-06	250	47	117	50	10	12	180	140
5514-02	250	47	117	60	8	12	150	140
5600-01	270	47	117	55	10	11	200	140
5600-08 (*)	270	55	125	55	10	12	200	140

All wheels are with ball bearings, except for (*) which are in plastic.

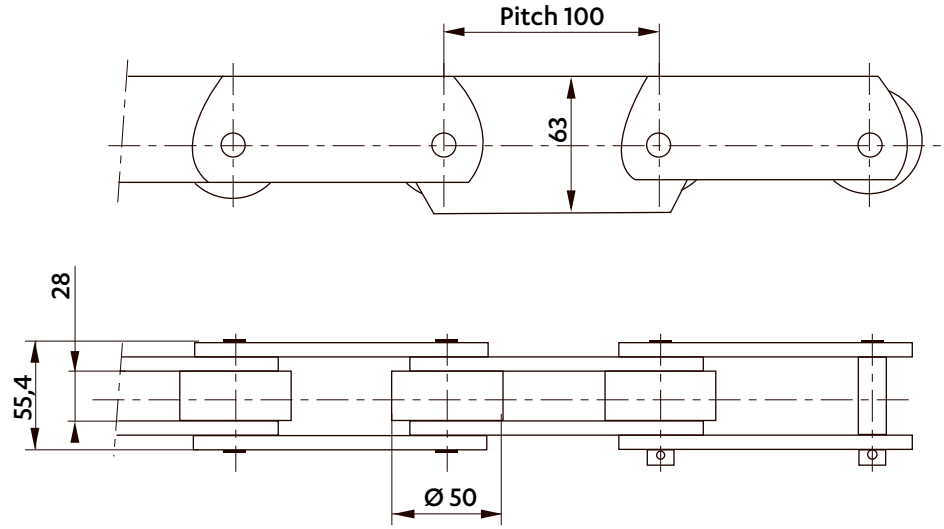
Dimensions in mm

CHAINS FOR FLOOR CONVEYORS

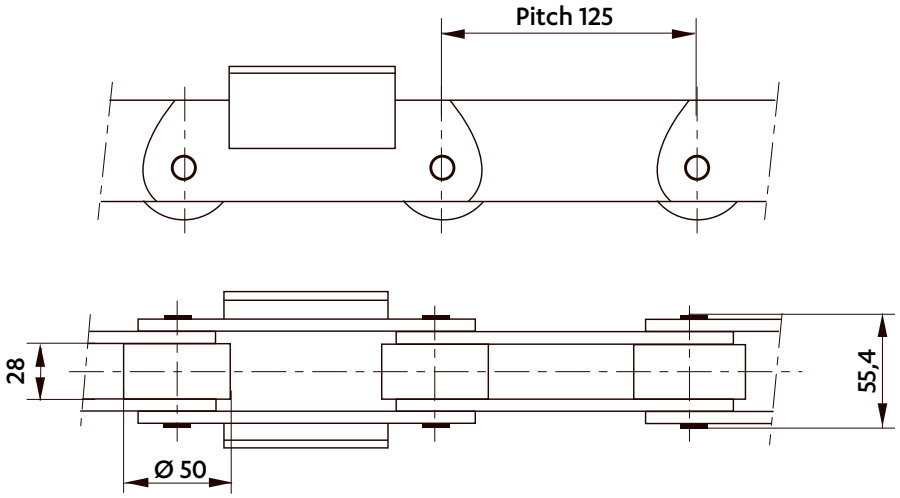
5293-28
Breaking load : 65 kN

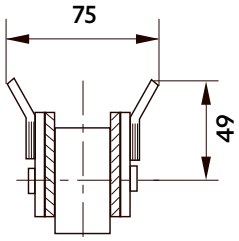


5196-04
Breaking load : 95 kN



5329-49
Breaking load : 95 kN



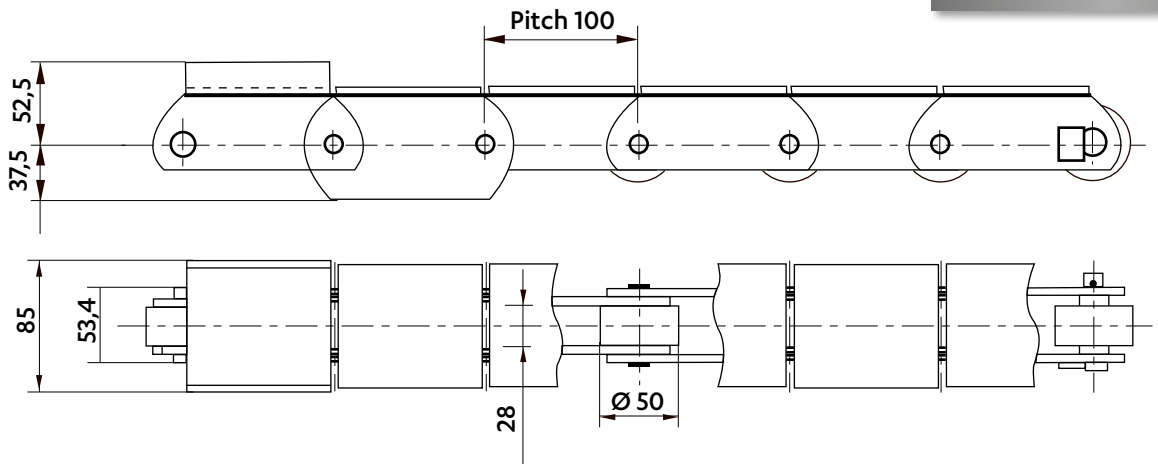


CHAINS FOR THE AUTOMOTIVE INDUSTRY

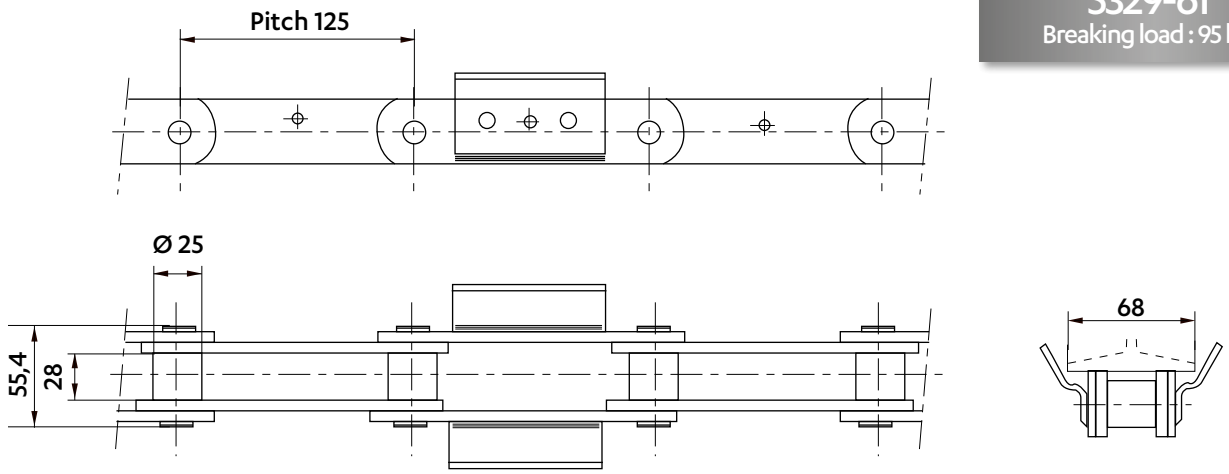
Dimensions in mm

CHAINS FOR FLOOR CONVEYORS

5196-38
Breaking load : 95 kN

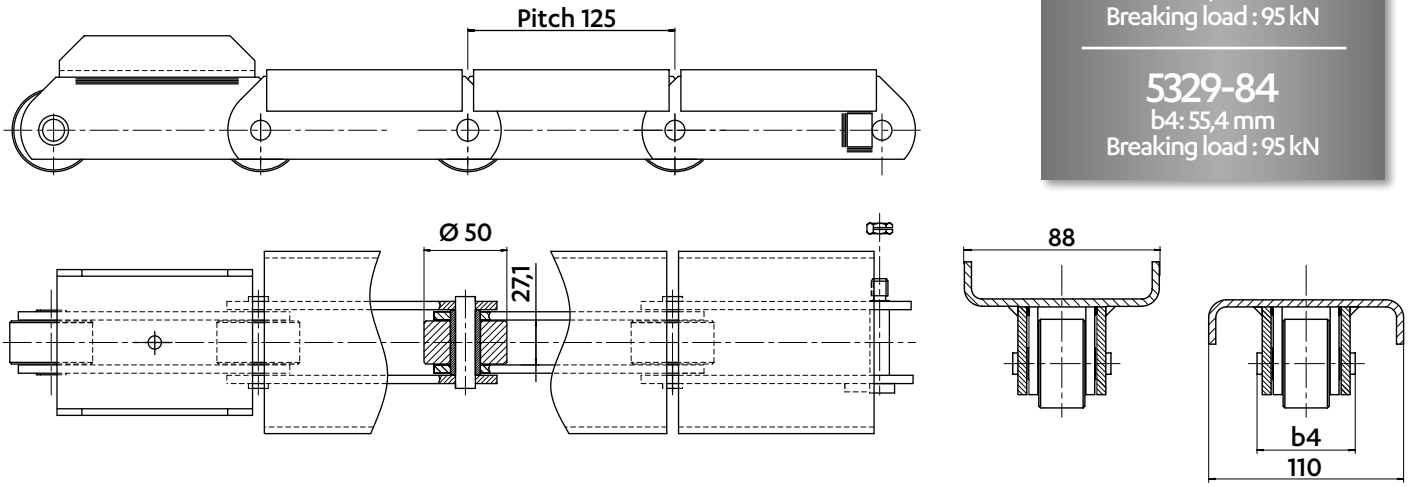


5329-61
Breaking load : 95 kN



5329-81
b4: 55,4 mm
Breaking load : 95 kN

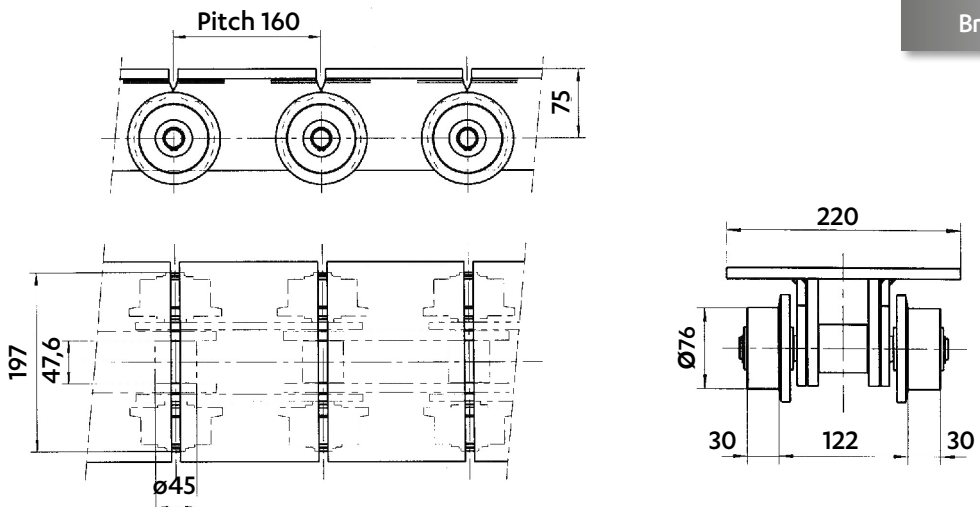
5329-84
b4: 55,4 mm
Breaking load : 95 kN



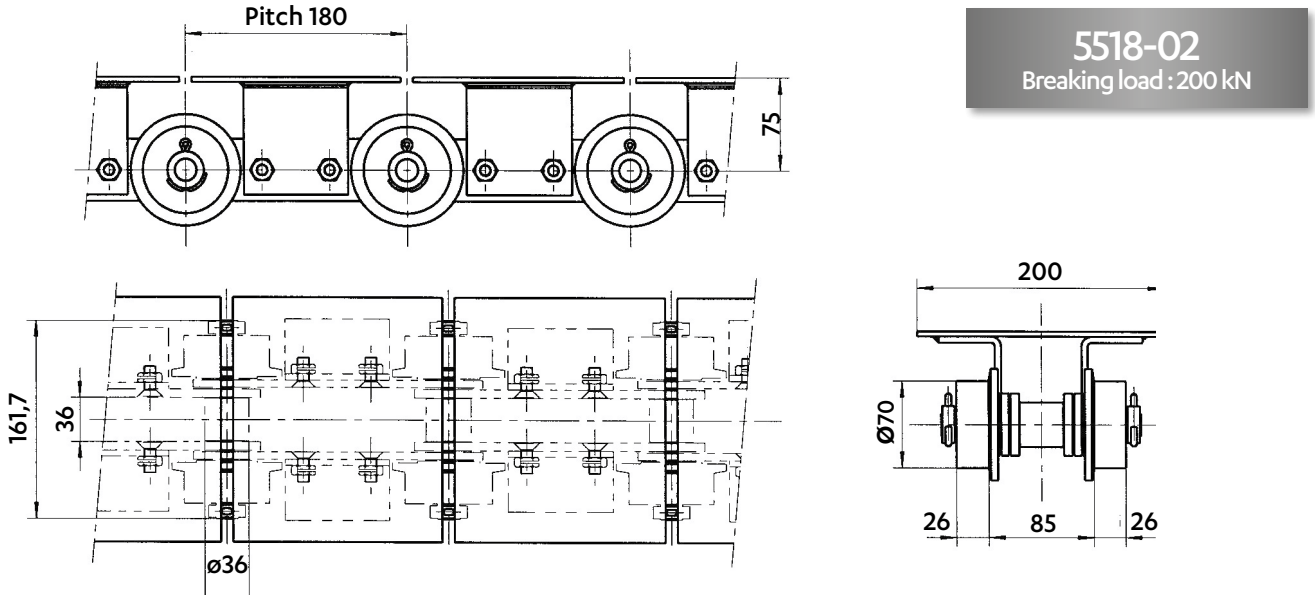
Dimensions in mm

CHAINS FOR FLOOR CONVEYORS

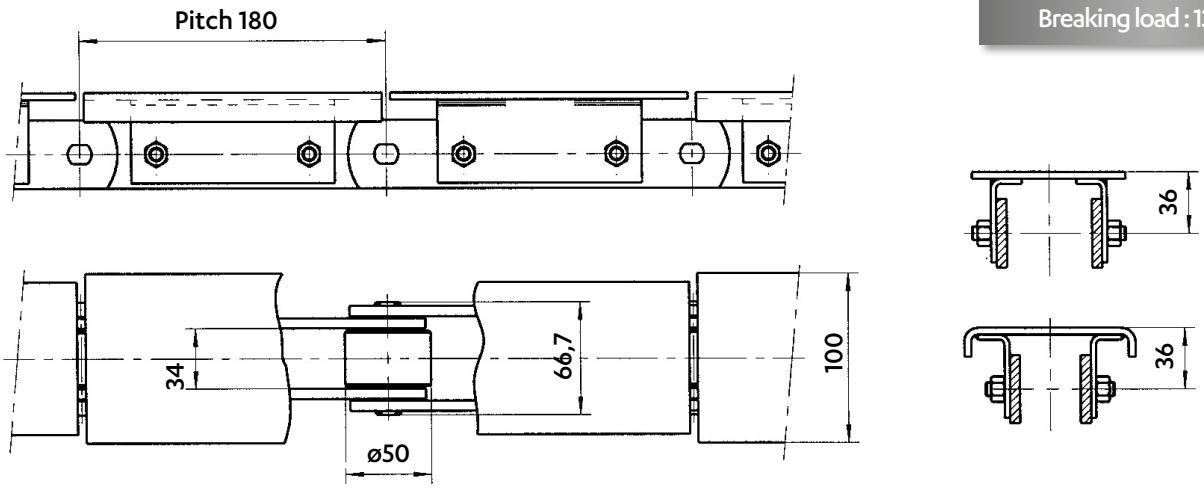
5441-01
Breaking load : 320 kN



5518-02
Breaking load : 200 kN



5431-03
Breaking load : 130 kN

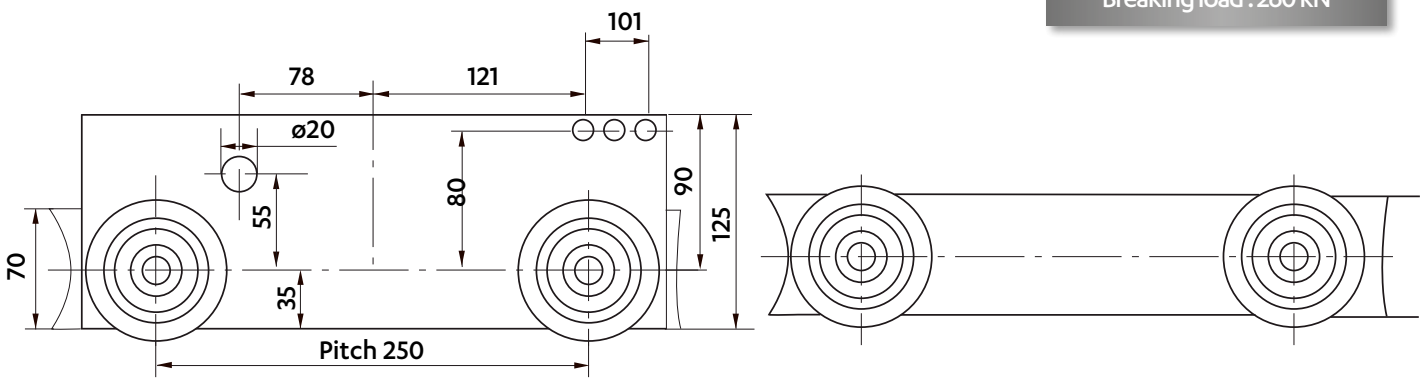


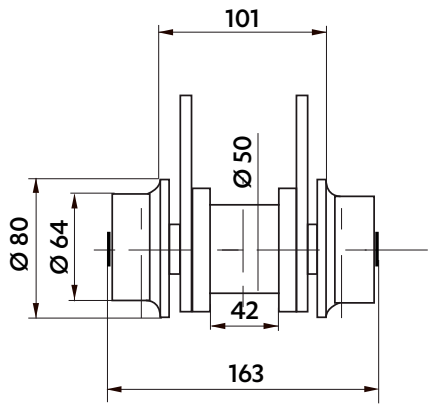
CHAINS FOR THE AUTOMOTIVE INDUSTRY

Dimensions in mm

OVERHEAD CONVEYOR FOR PRE-ASSEMBLED CACHWORKS

5514-21
Breaking load : 260 kN





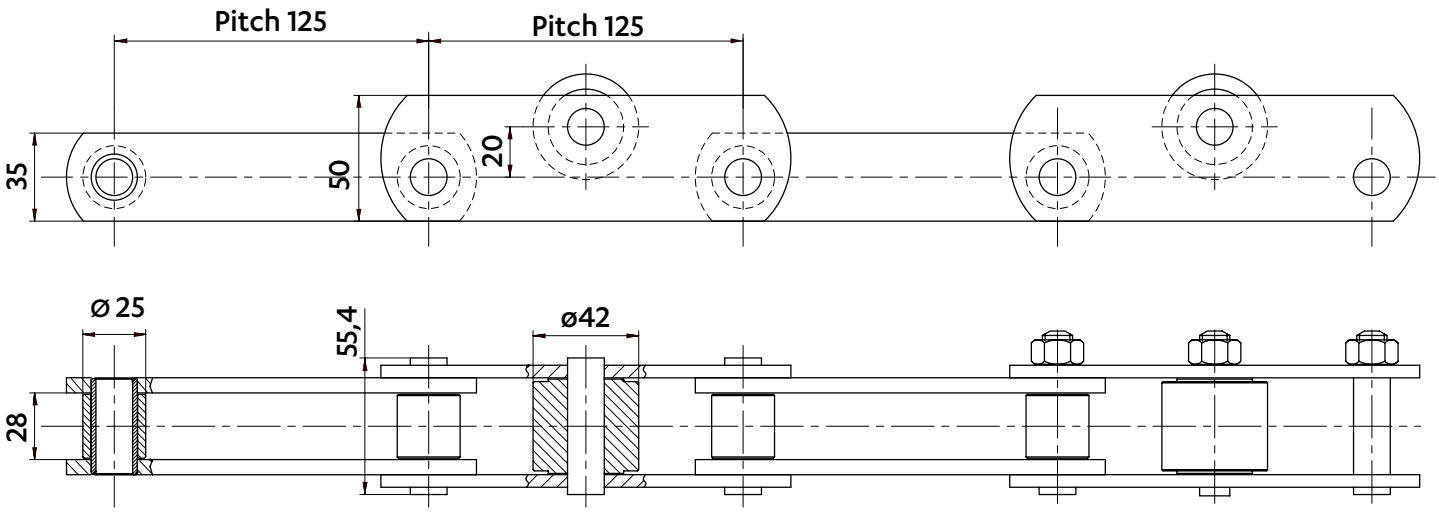
SEDIS solution

DELTA® VERTE® CHAIN

- Self-lubricating bushes
- Delta® pins (anti-wear)
- SEDIS anti-corrosion coating
- Prevents maintenance
- Enhances the service life of the chain

ACCUMULATION CHAIN FOR SKID EJECTION

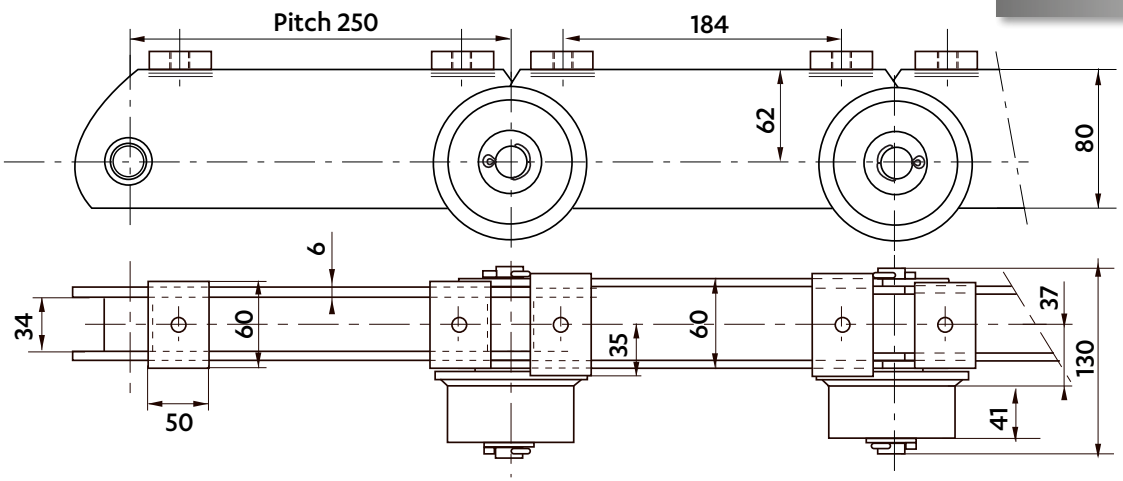
5329-45
Breaking load : 95 kN

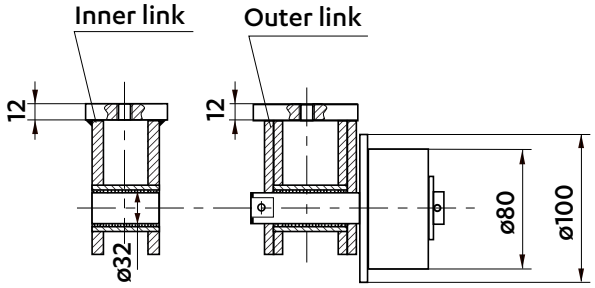


Dimensions in mm

LEAK-TEST CAR CONVEYOR

5514-25
Breaking load : 170 kN





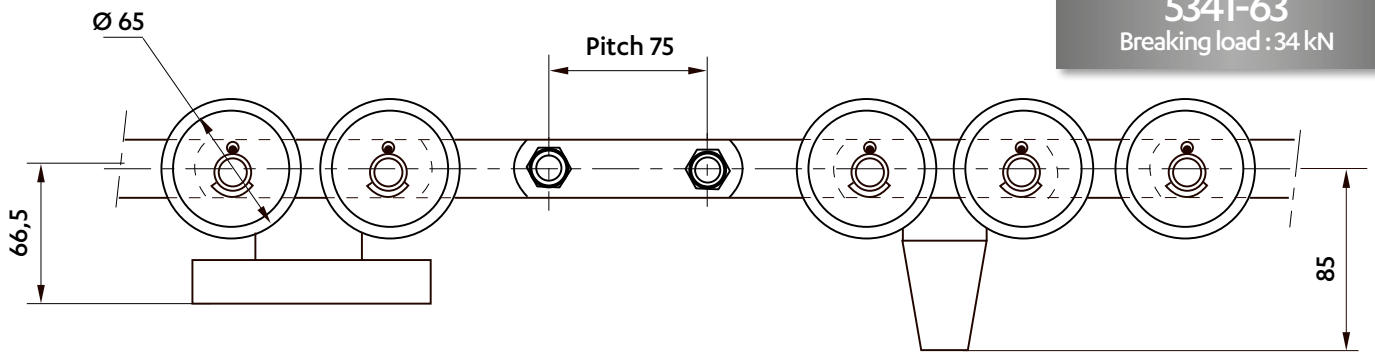
SEDIS solution

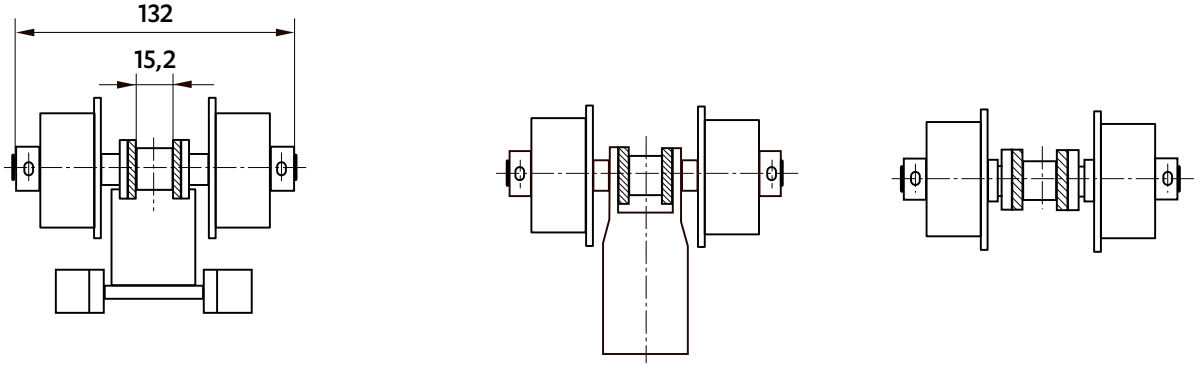
DELTA® VERTE® CHAIN

- Self-lubricating bushes
- Delta® pins (anti-wear)
- SEDIS anti-corrosion coating
- Prevents maintenance
- Enhances the service life of the chain

OVERHEAD CONVEYOR AND SKID EJECTION

5341-63
Breaking load : 34 kN



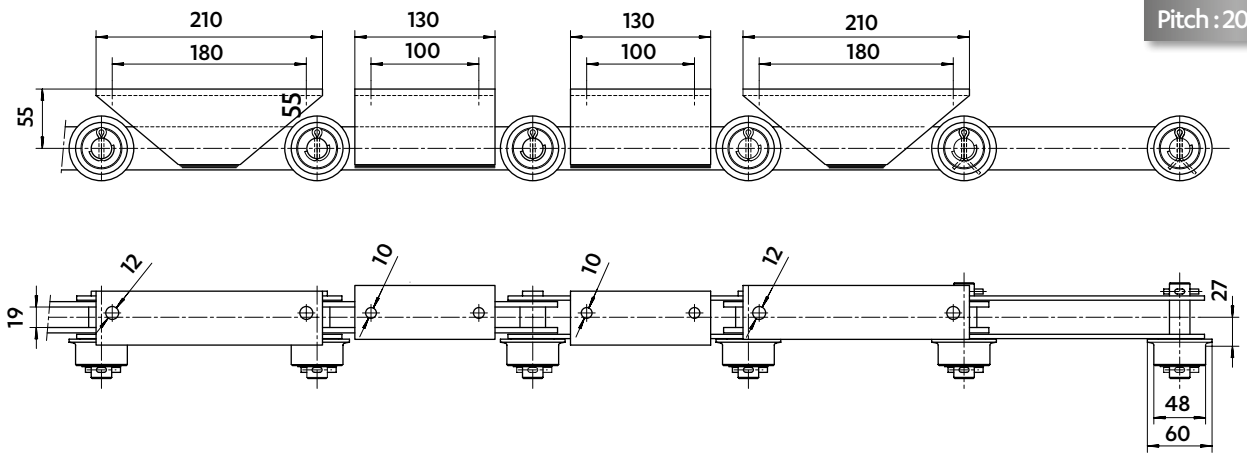


CHAINS FOR THE AUTOMOTIVE INDUSTRY

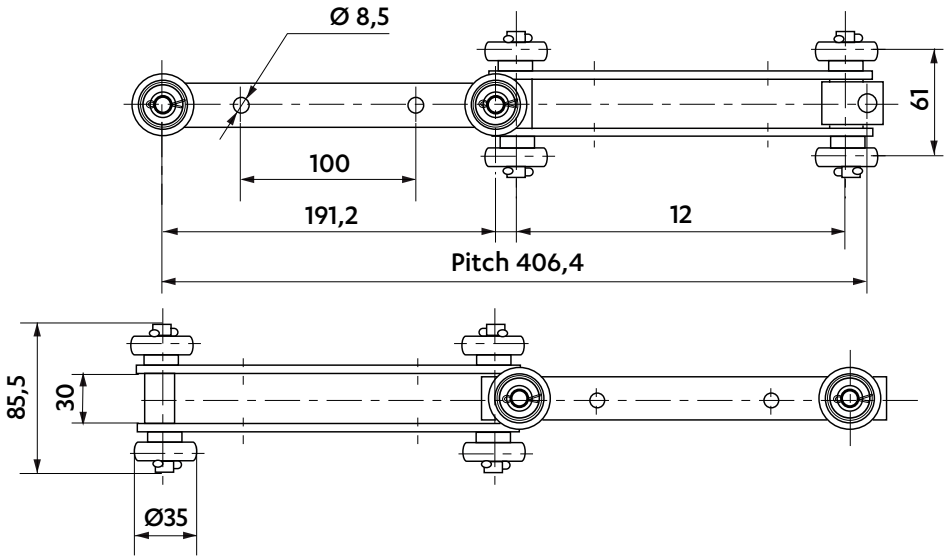
Dimensions in mm

CHAIN FOR THE AUTOMOTIVE INDUSTRY

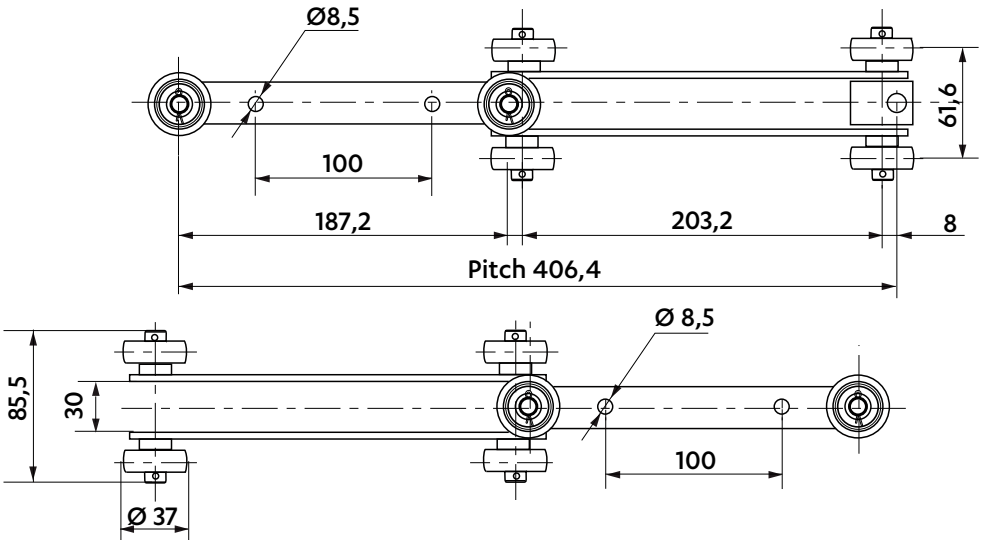
5565-20
Pitch : 200 mm



MULTIDIRECTIONAL CHAINS



5723-01
Breaking load : 40 kN
Pitch: 406,4 mm (191,2 +12 +191,2 +12)

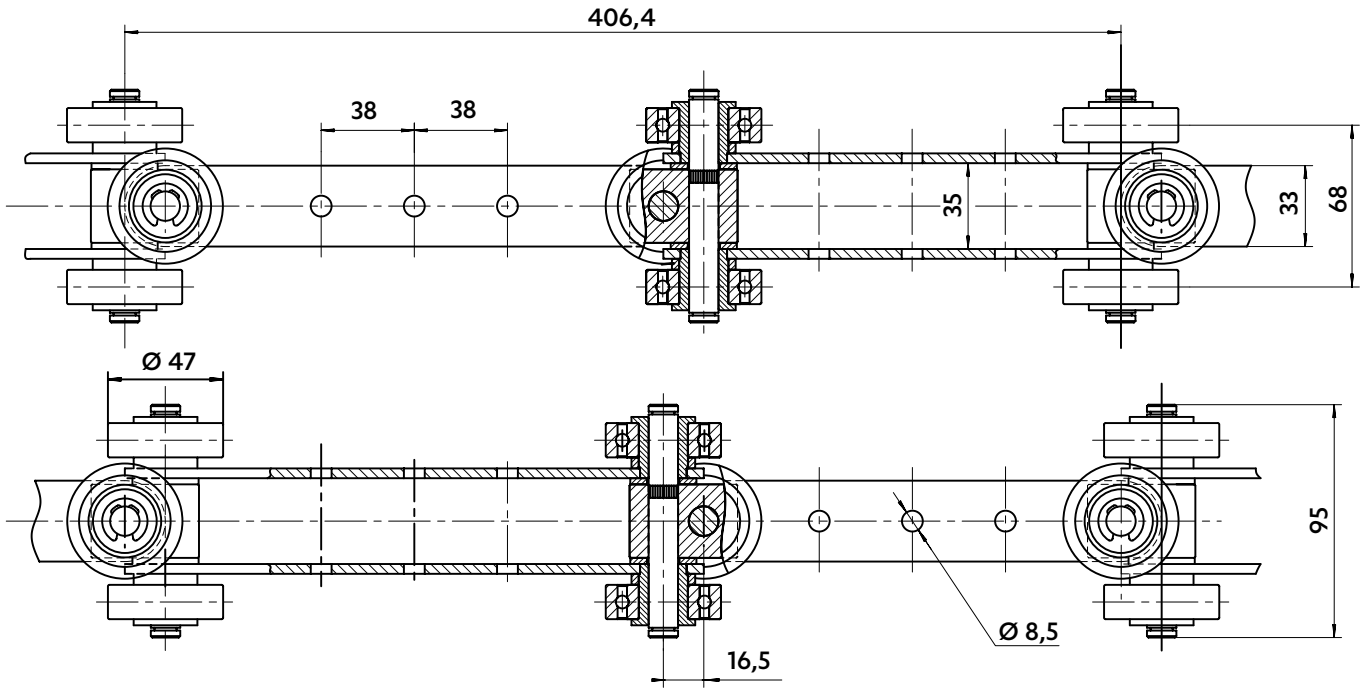


5723-02
Breaking load : 40 kN
Pitch: 406,4 mm (187,2 +8 +203,2 +8)

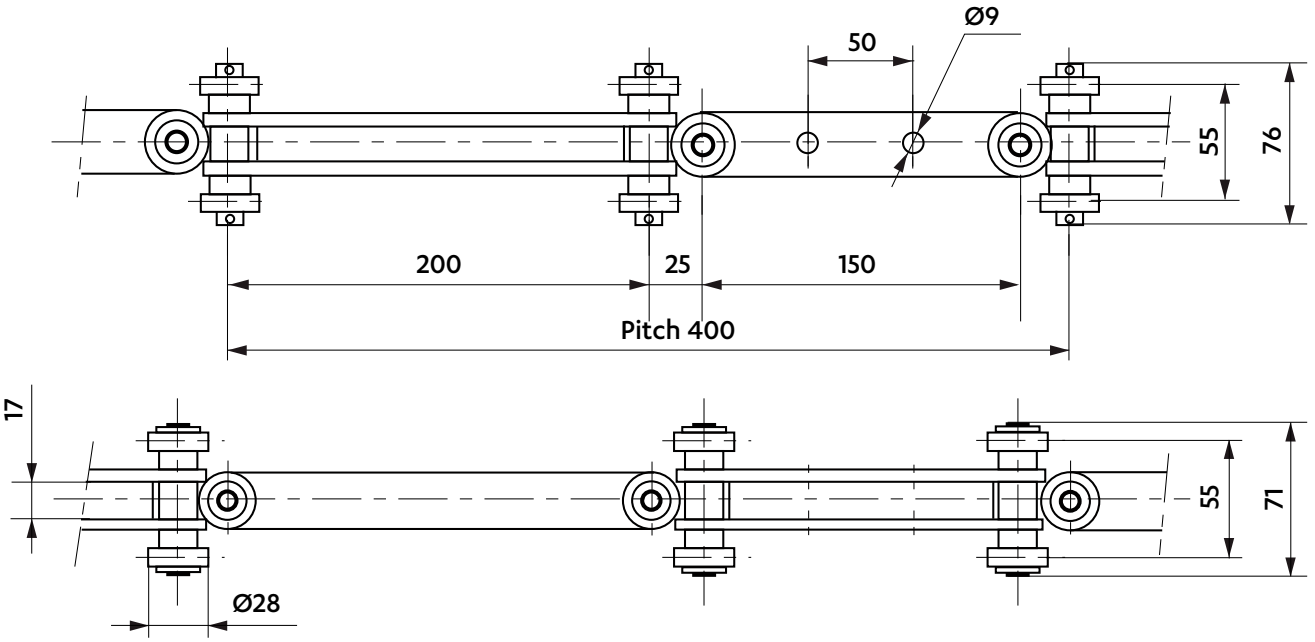
Dimensions in mm

MULTIDIRECTIONAL CHAINS

5723-05
Breaking load : 40 kN
Pitch: 406,4 mm (170,2 +16,5 +203,2 +16,5)



5680-01
Breaking load : 36 kN
Pitch: 400 mm (200 +25 +150 +25)

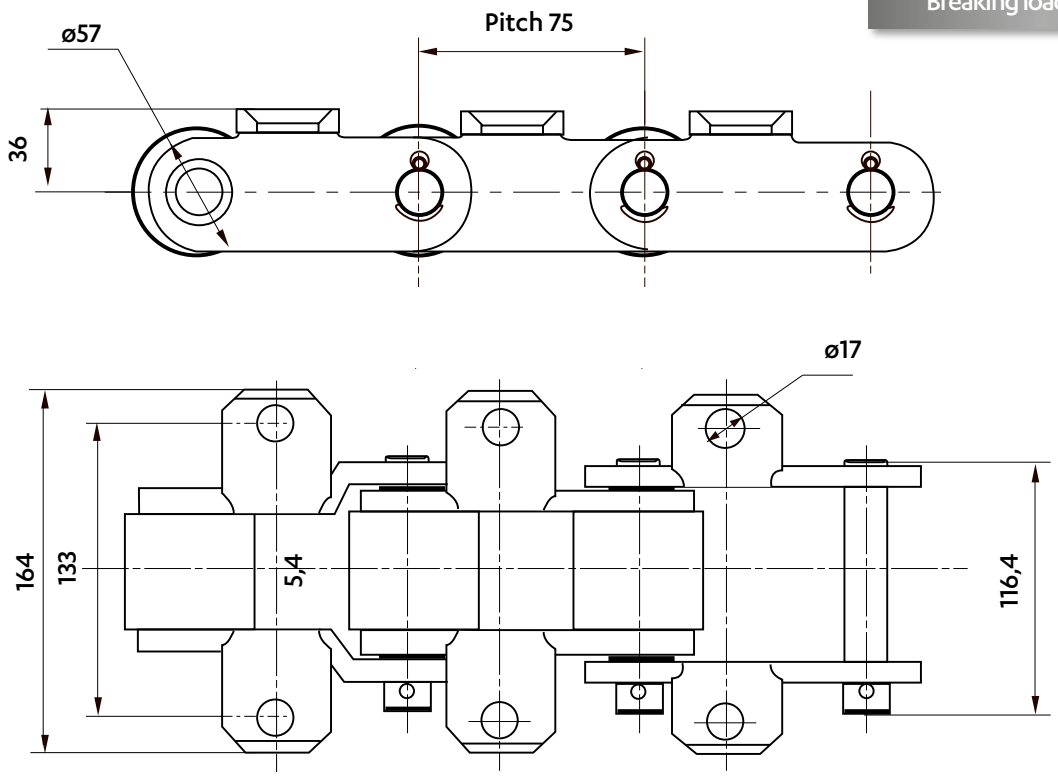


CHAINS FOR THE AUTOMOTIVE INDUSTRY

Dimensions in mm

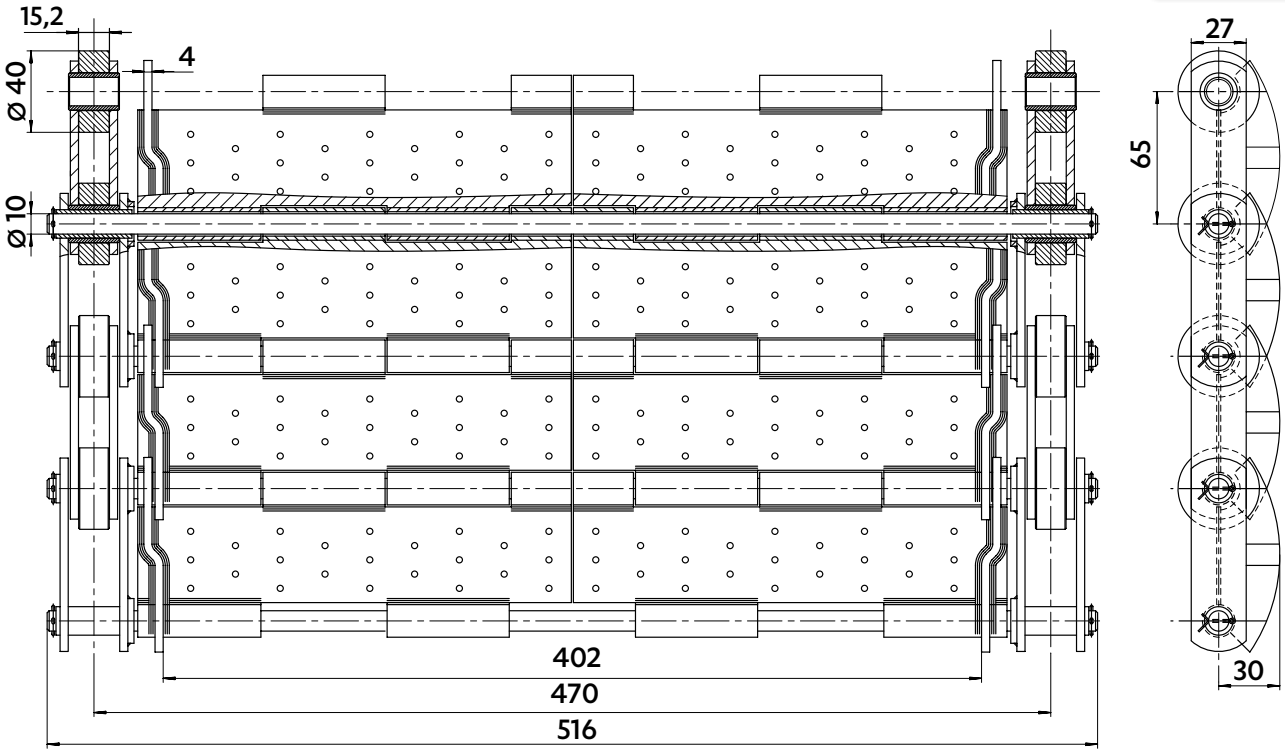
SHOT BLASTING CHAIN

5390-04
Breaking load : 325 kN



CHIP CONVEYOR

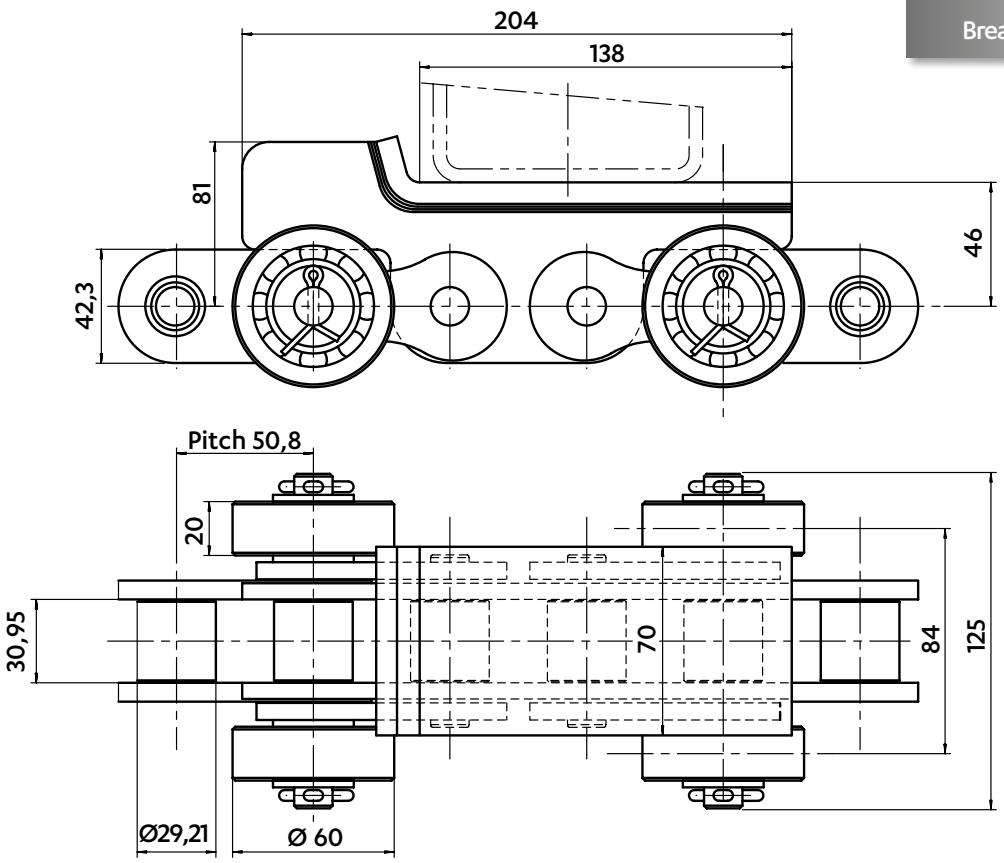
5907-01



Dimensions in mm

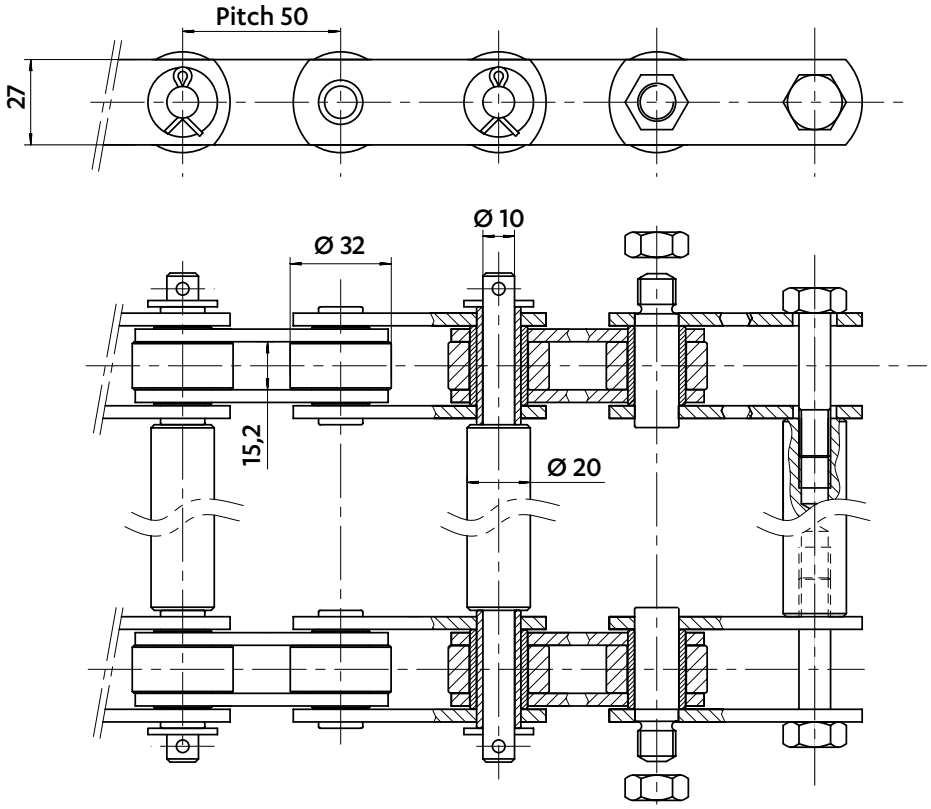
CONVEYOR CHAIN FOR SKID EJECTION

5281-54
Breaking load : 260 kN



CONVEYOR CHAIN

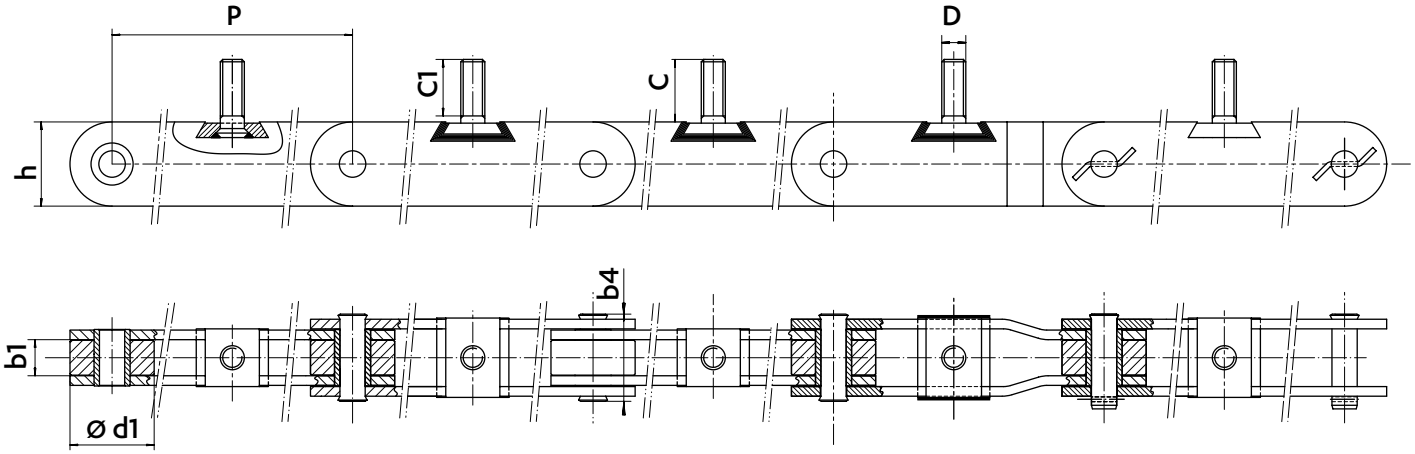
5516-28



CHAINS FOR WATER TREATMENT

Dimensions in mm

CHAINS FOR ROTATING SCREENS



Chain ref	Pitch P	Plate height h	Width between inner plates b1 min.	Pins b4	Wheels d1	Attachments D	Attachments C1	Attachments C	Flanged pins and bushes	Axial greasing	Plastic wheels	DELTA® HR version
5462-18	300	60	27	58	50	M 16	27	30	X	X		
5087-07	400	70	30	72,5	90	M 20	30	47				
5087-08	400	70	30	72,5	70	M 20	47	52				X
5087-09	400	70	30	92	70	M 20	47	52		X		
5087-10	400	70	30	72,5	70	M 20	47	52				X
5087-11	400	70	30	72,5	70	M 20	47	52			X	X
5507-11	500	70	36	85	70	M 24	40	52	X	X		
5507-12	500	70	36	85	100	M 24	40	67	X	X		
5507-13	500	70	36	85	70	M 24	40	52	X			X
5747-09	600	70	38	80	97	M 20	35	60	X			X
5747-14	600	70	38	80	97	M 20	35	60	X		X(*)	X
5747-15	600	70	38	80	97	M 20	35	60	X		X(*)	

(*) : with a steel wheel every 10 pitches.

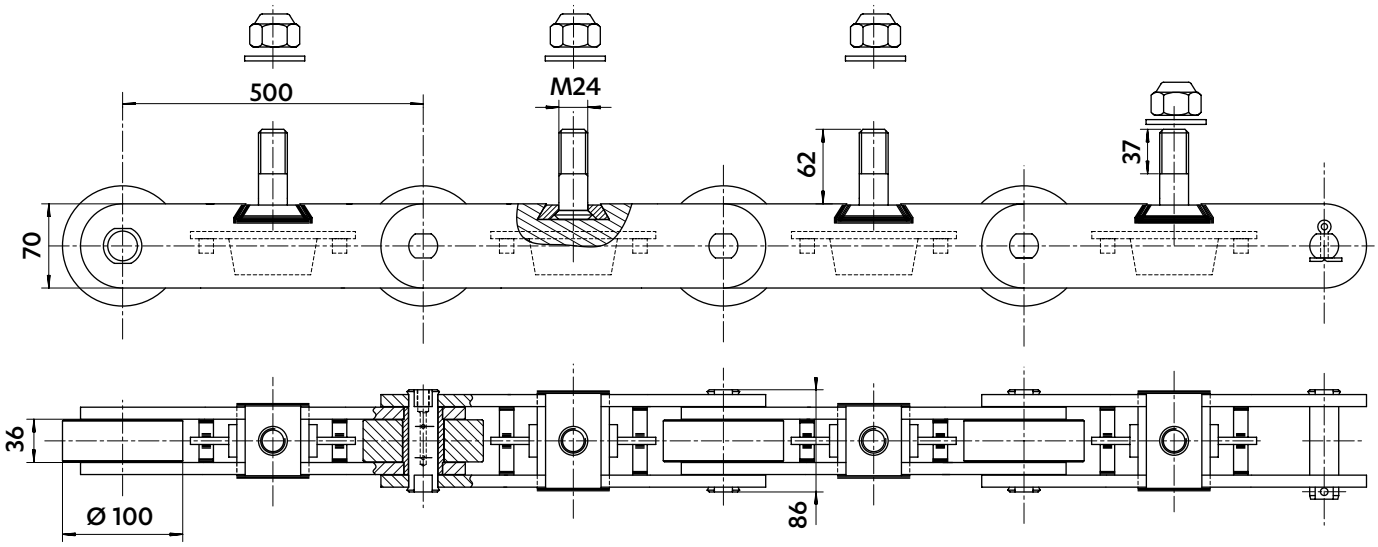
The chains can be protected against corrosion with zinc-plating or other treatment, to be precised.

Dimensions in mm

CHAINS FOR ROTATING SCREENS

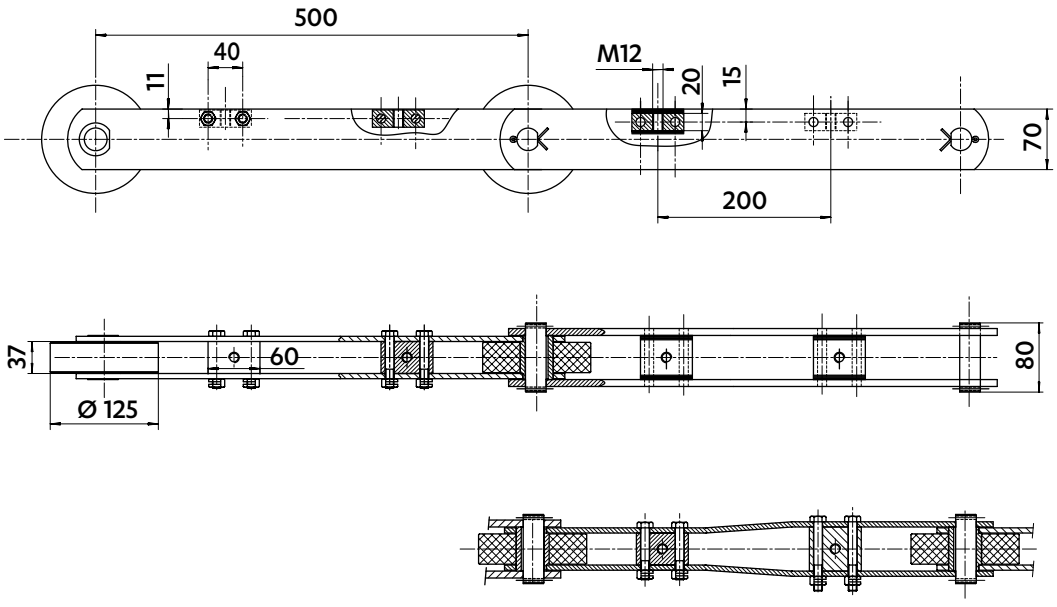
5507-09

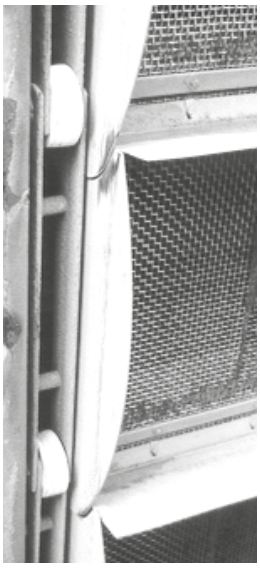
Chain protected against corrosion



5507-14

Chain in 316L stainless steel, fitted with plastic wheels





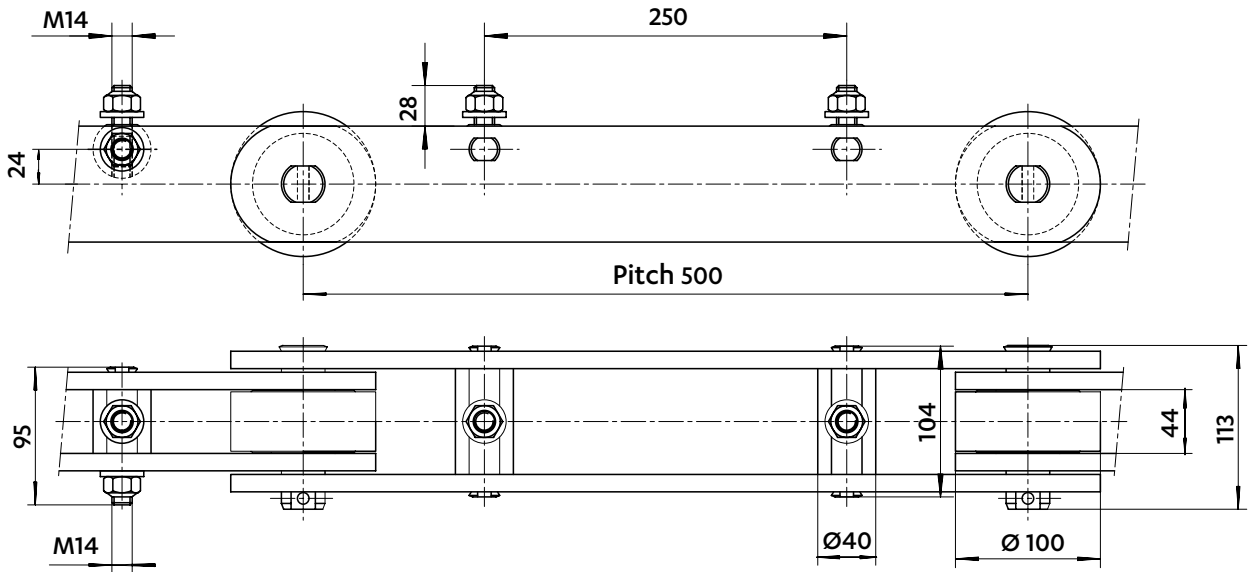
CHAINS FOR WATER TREATMENT

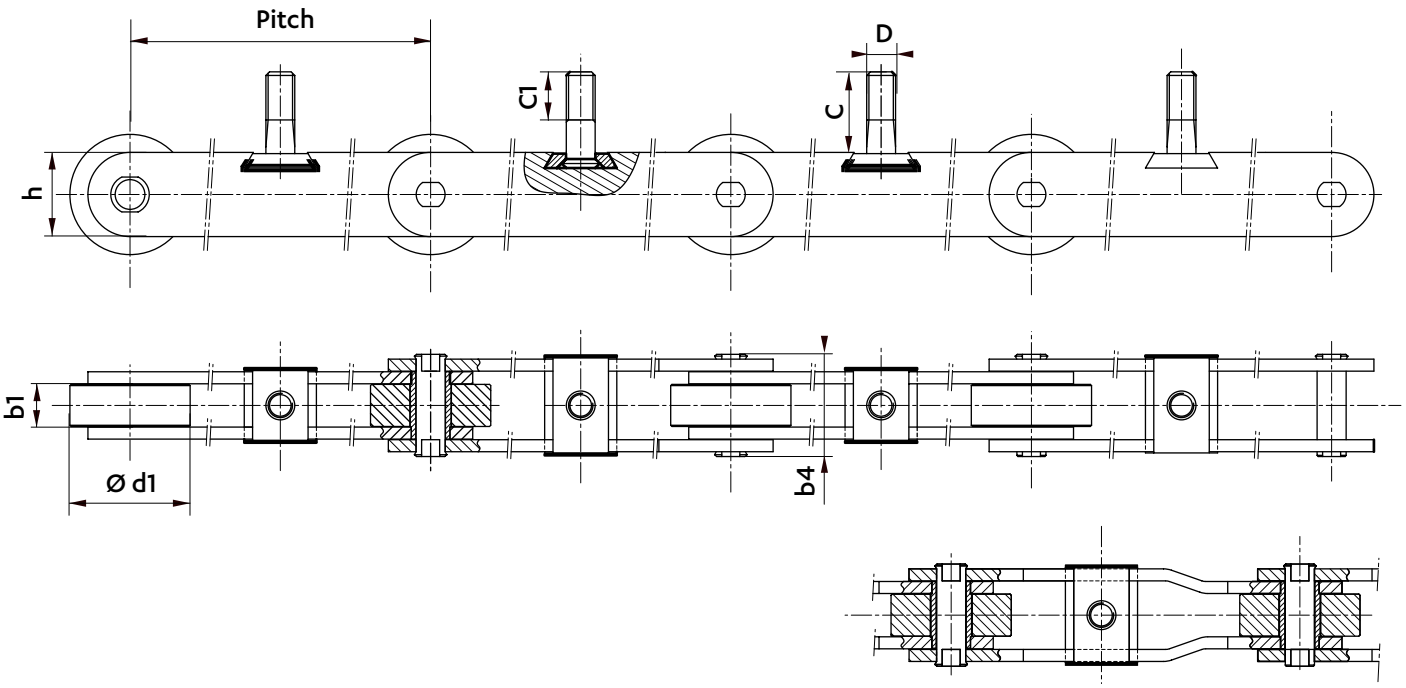
Dimensions in mm

CHAINS FOR ROTATING SCREENS

5507-05
Breaking load : 421 kN

Zinc-plated chain fitted with plastic wheels





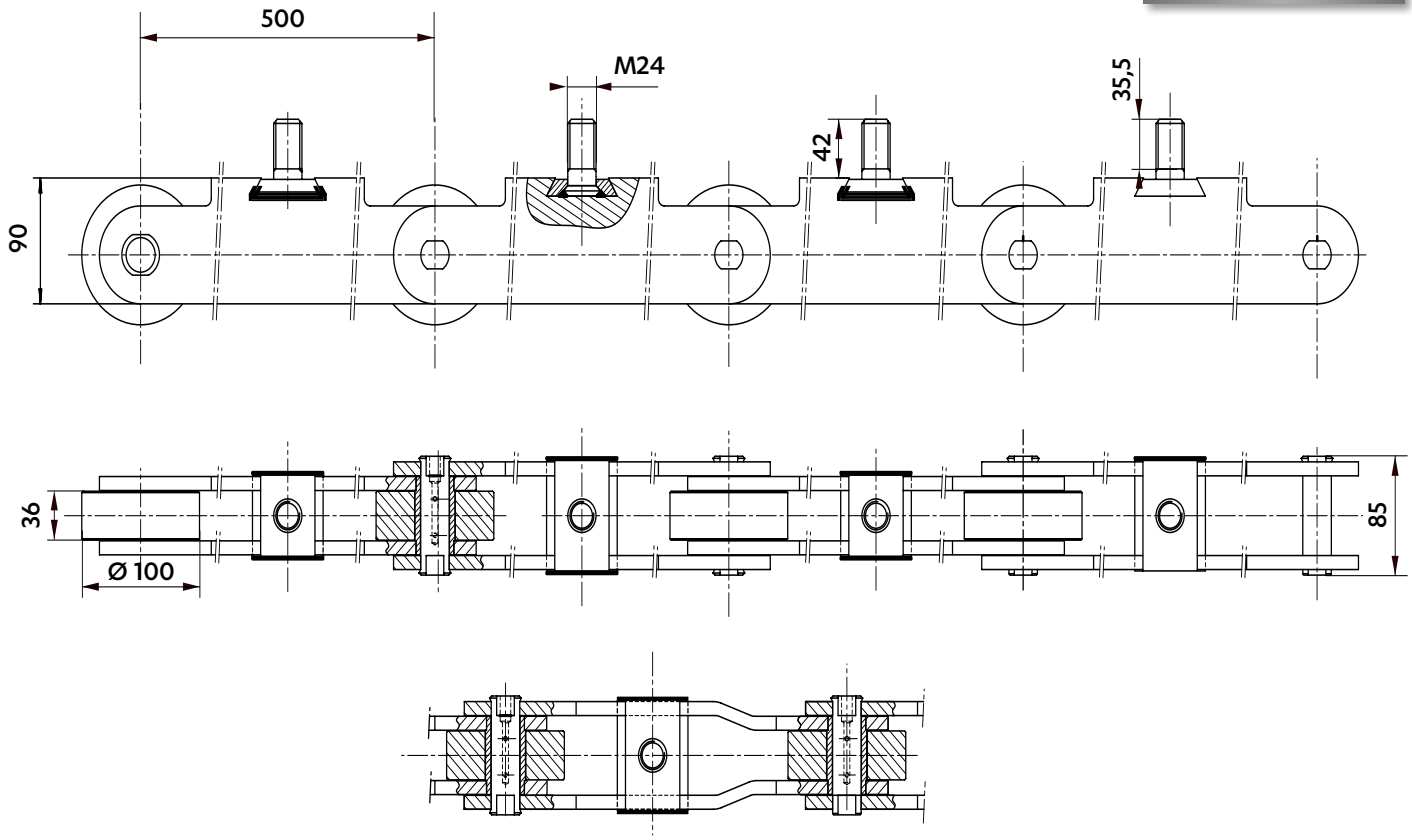
Chain ref	Pitch P	Plate height h	Width between inner plates b1 min.	Pins b4	Wheels d1	Attachments D	Attachments C1	Attachments C	Version DELTA® HR
5507-04	500	90	36	83,5	84	M24	50	50	
5507-08	500	70	36	85	100	M24	40	67	x
5507-10	500	70	36	85	70	M24	40	51	x

Dimensions in mm

CHAINS FOR ROTATING SCREENS

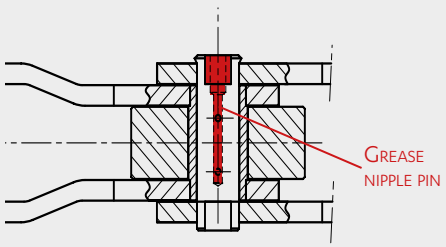
5507-06
(without axial greasing)

5507-07
(with axial greasing)



SEDIS solution

AXIAL GREASING

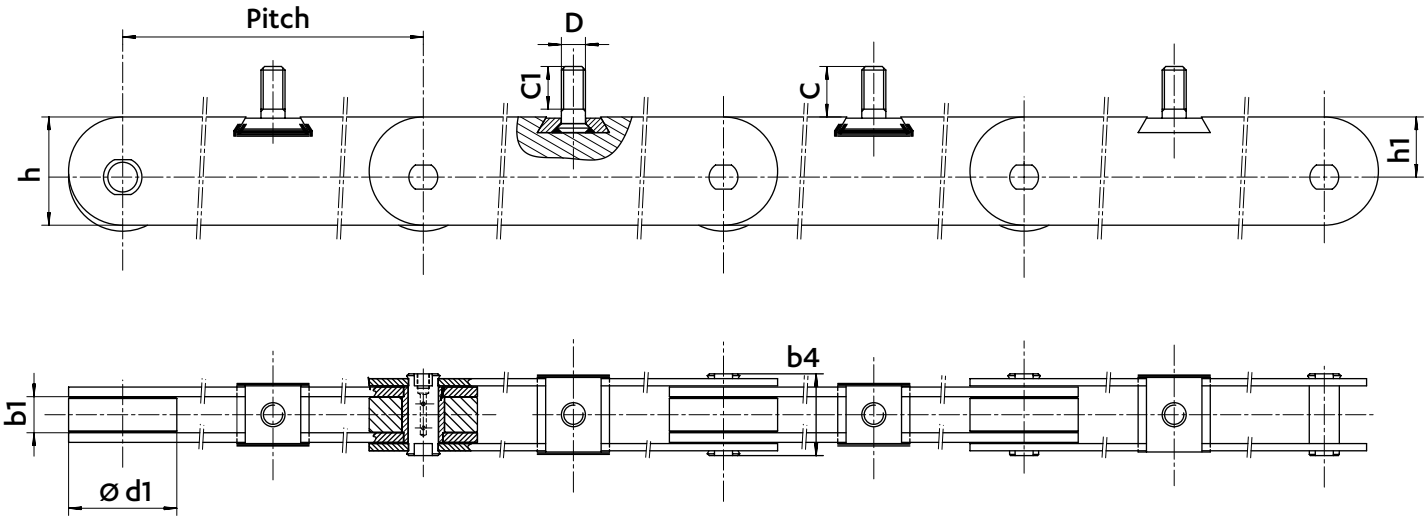


- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

CHAINS FOR WATER TREATMENT

Dimensions in mm

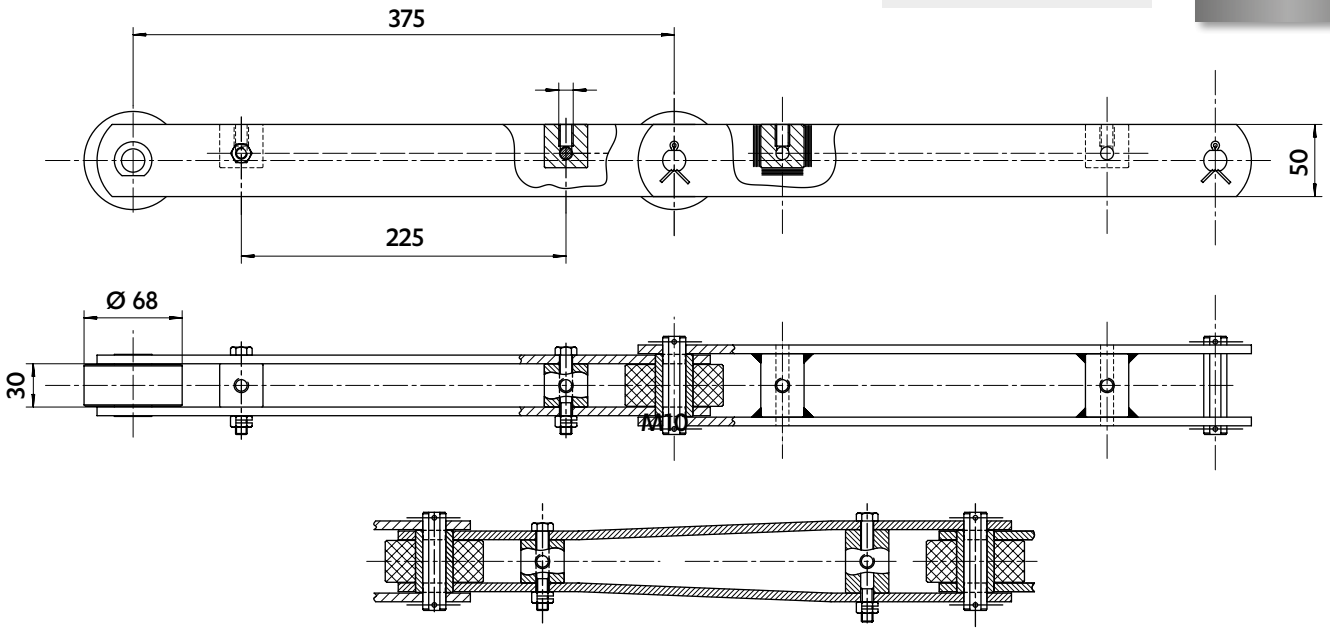
CHAINS FOR ROTATING SCREENS



Chain ref	Pitch P	Total plate height h	height h1	Width between inner plates b1 min.	Pins b4	Wheels d1	Attachments D	Attachments C1	Attachments C	Flanged pins and bushes	Axial greasing	DELTA® HR version
5747-07	600	90	50	30	68	90	M20	35,5	42	x	x	
5747-08				38	78			35	40	x	x	
5747-11				30	72			35,5	42	x	x	
5747-13				38	78			35	40	x		x
5747-16				38	78			35	40	x	x	

The chains can be protected against corrosion with zinc-plating or other treatment, to be precised.

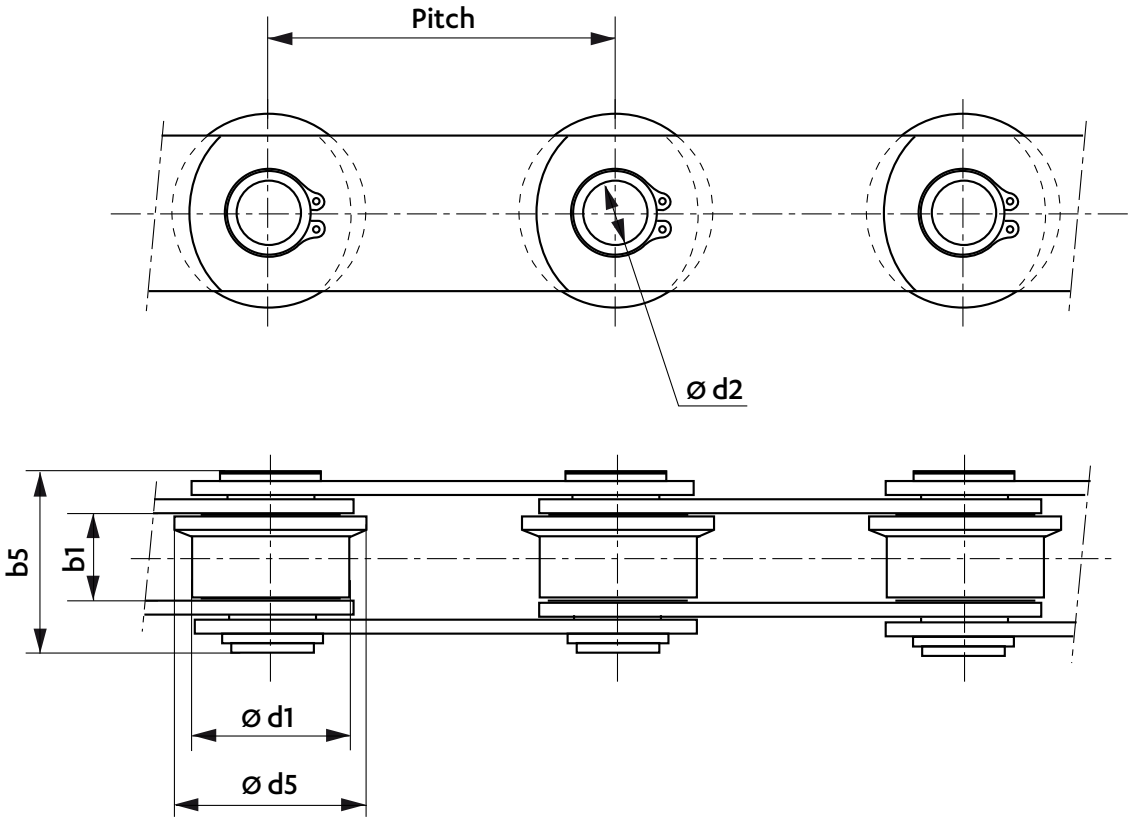
Zinc-plated plates **5910-01**



Dimensions in mm

HOLLOW PIN CHAINS FOR BAR SCREENS

Chain entirely in stainless steel

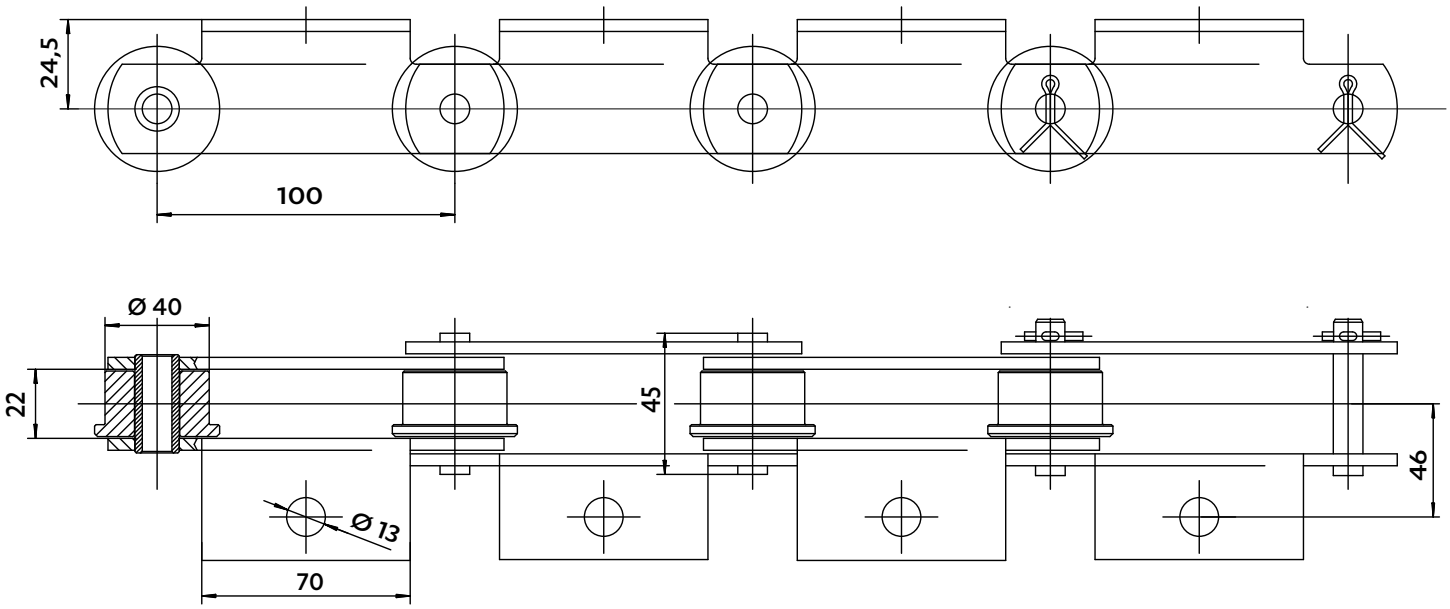


Chain ref	Pitch P	Width between inner plates b1 min.	Hollow pins		Wheels	
			d2	b5	d1	d5
5377-05	100	27	18,3	53	45	55
5308-10	200	43	35,5	59	75	90

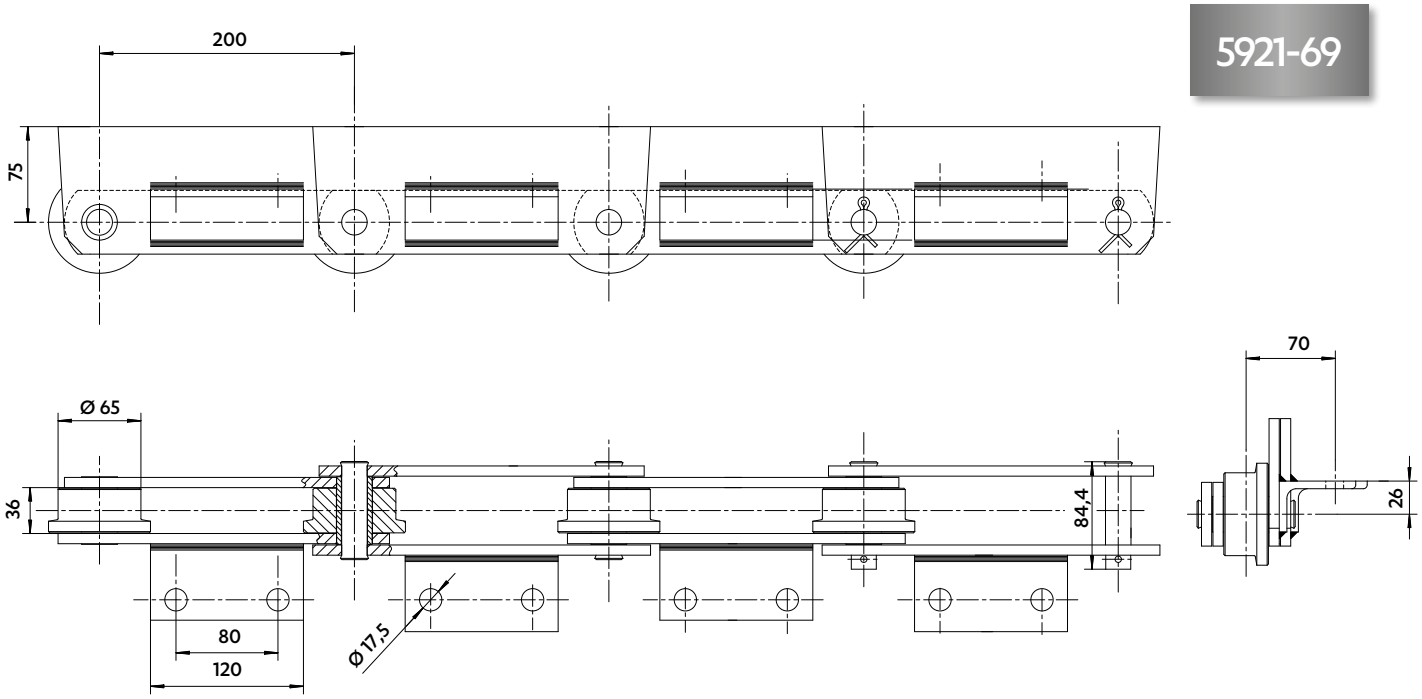
CHAINS FOR WASTE TREATMENT

Dimensions in mm

CHAINS FOR NON-HAZARDOUS INDUSTRIAL WASTE



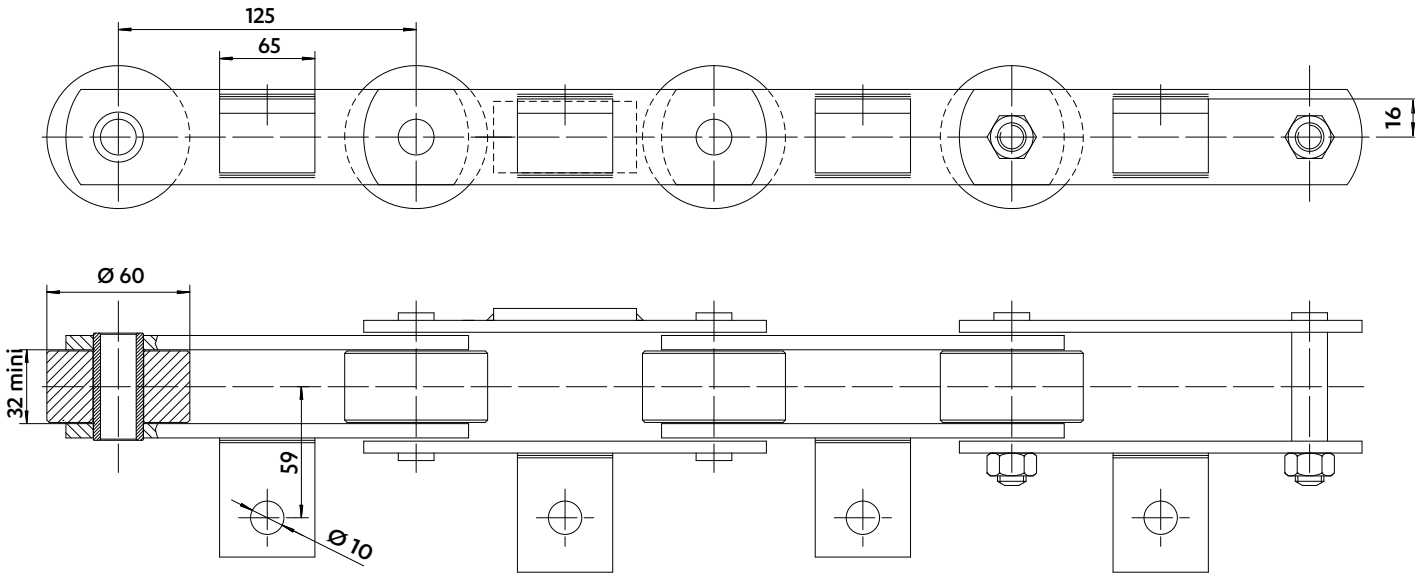
5921-69



Dimensions in mm

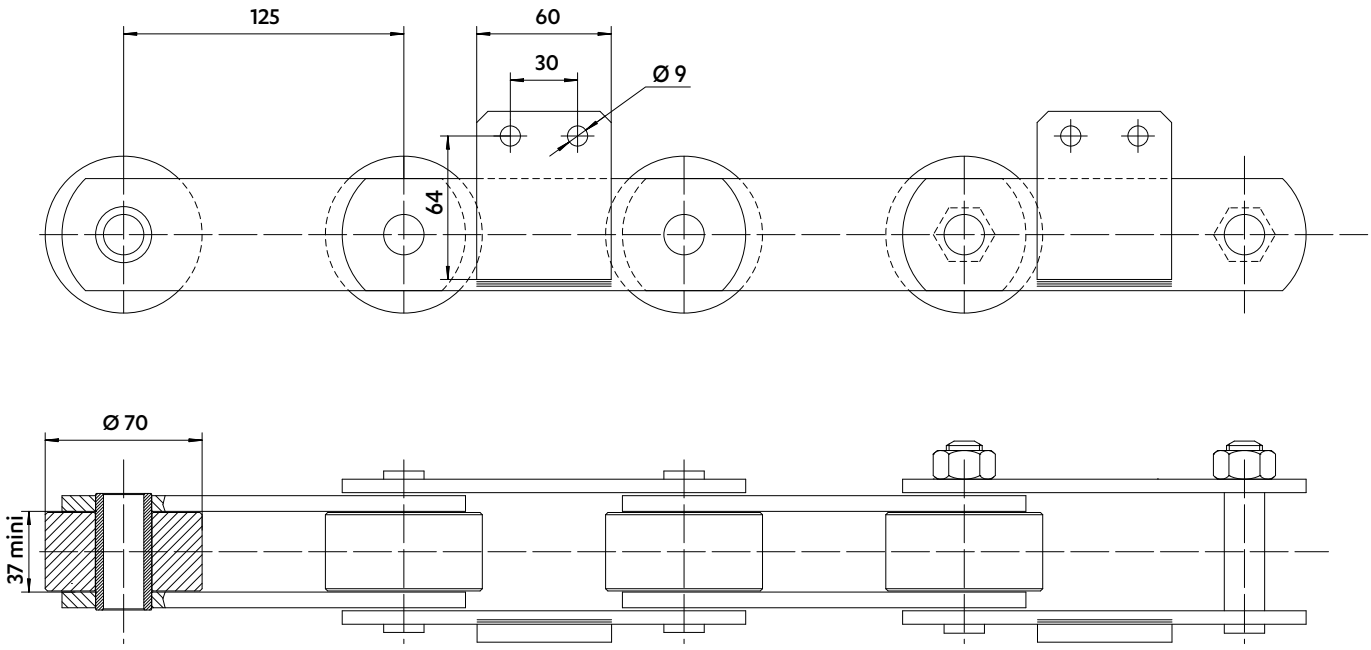
CHAIN FOR SPECIAL INDUSTRIAL WASTE

5973-16



CHAIN FOR GREEN WASTE COMPOSTING

5291-85

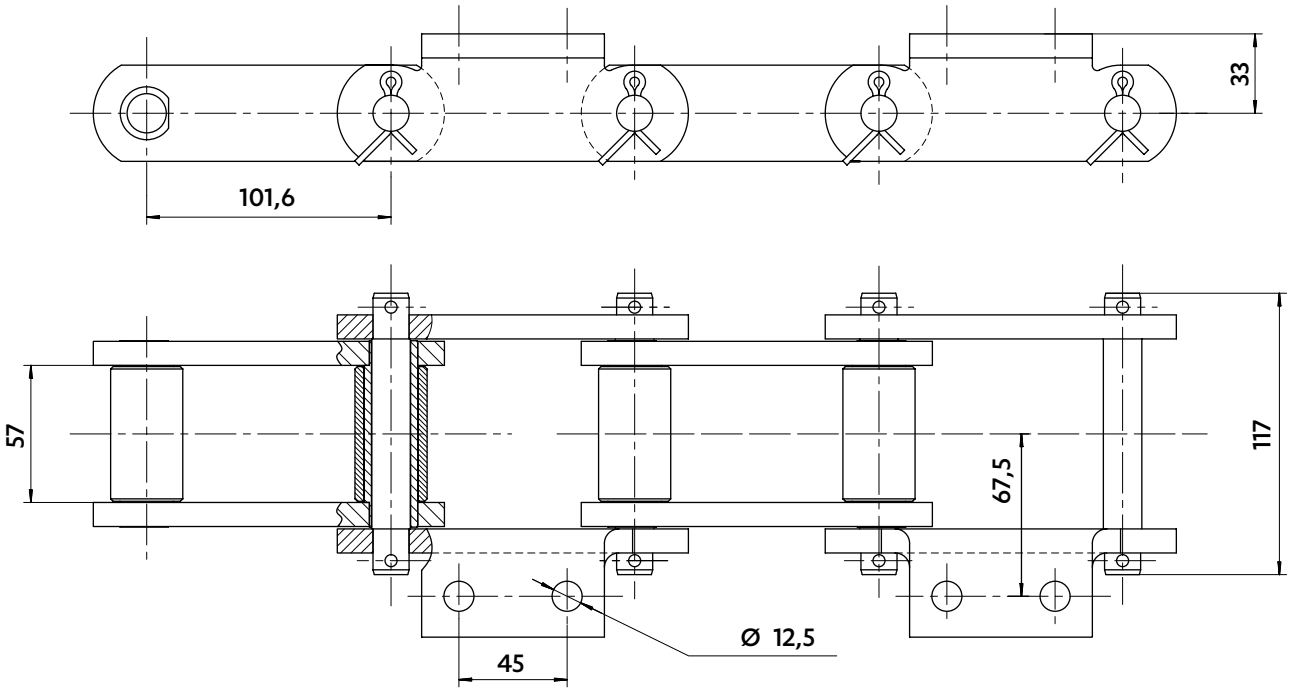


CHAINS FOR CIVIL ENGINEERING

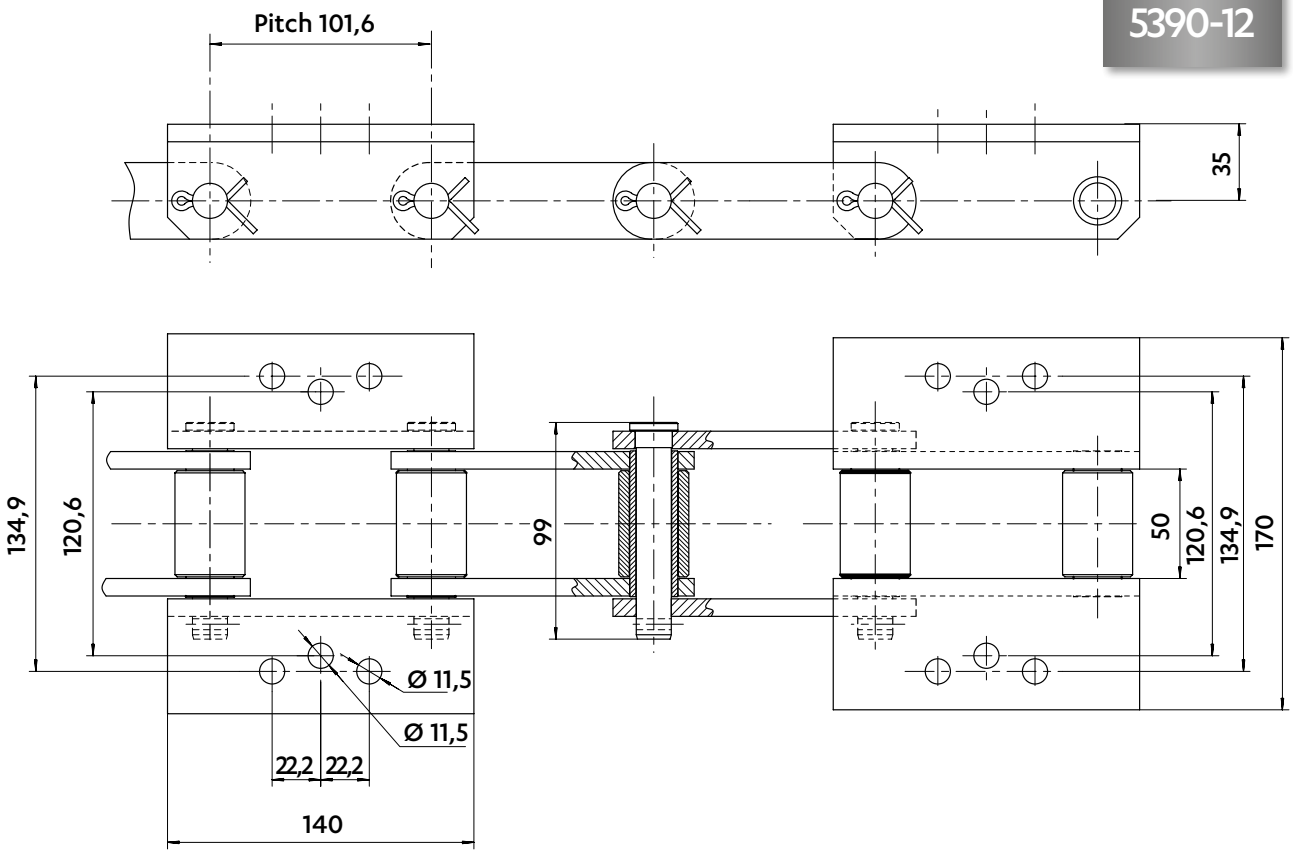
Dimensions in mm

ELEVATOR CHAIN

5390-11



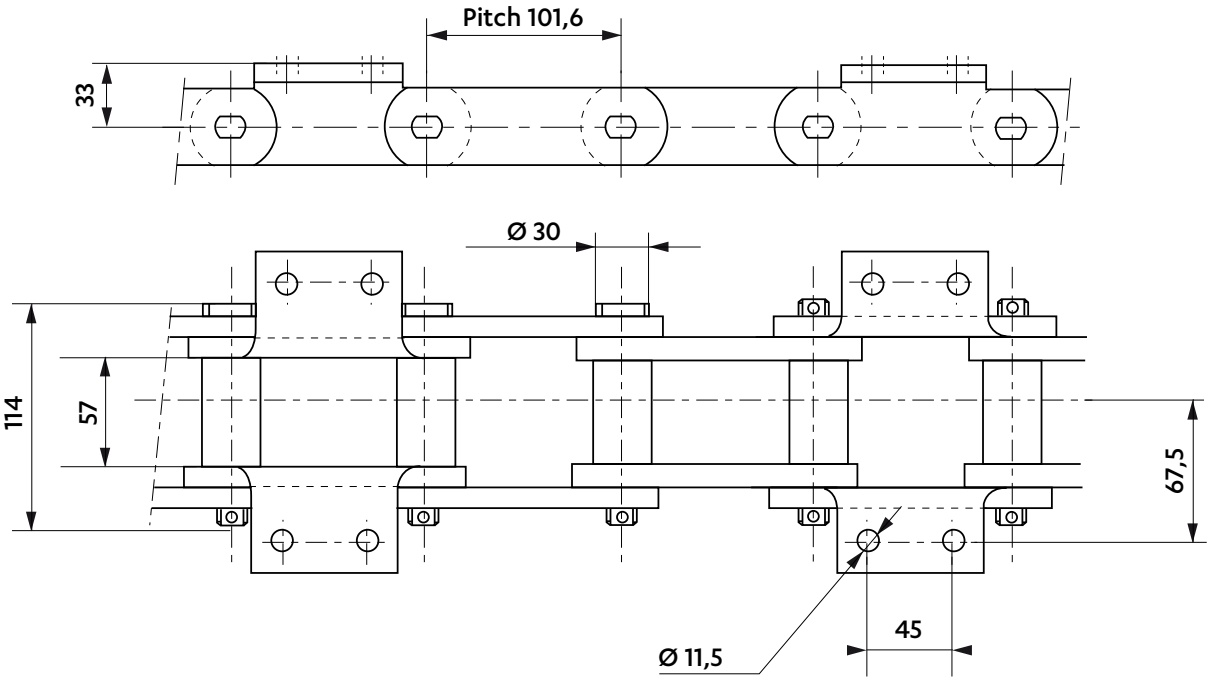
5390-12



Dimensions in mm

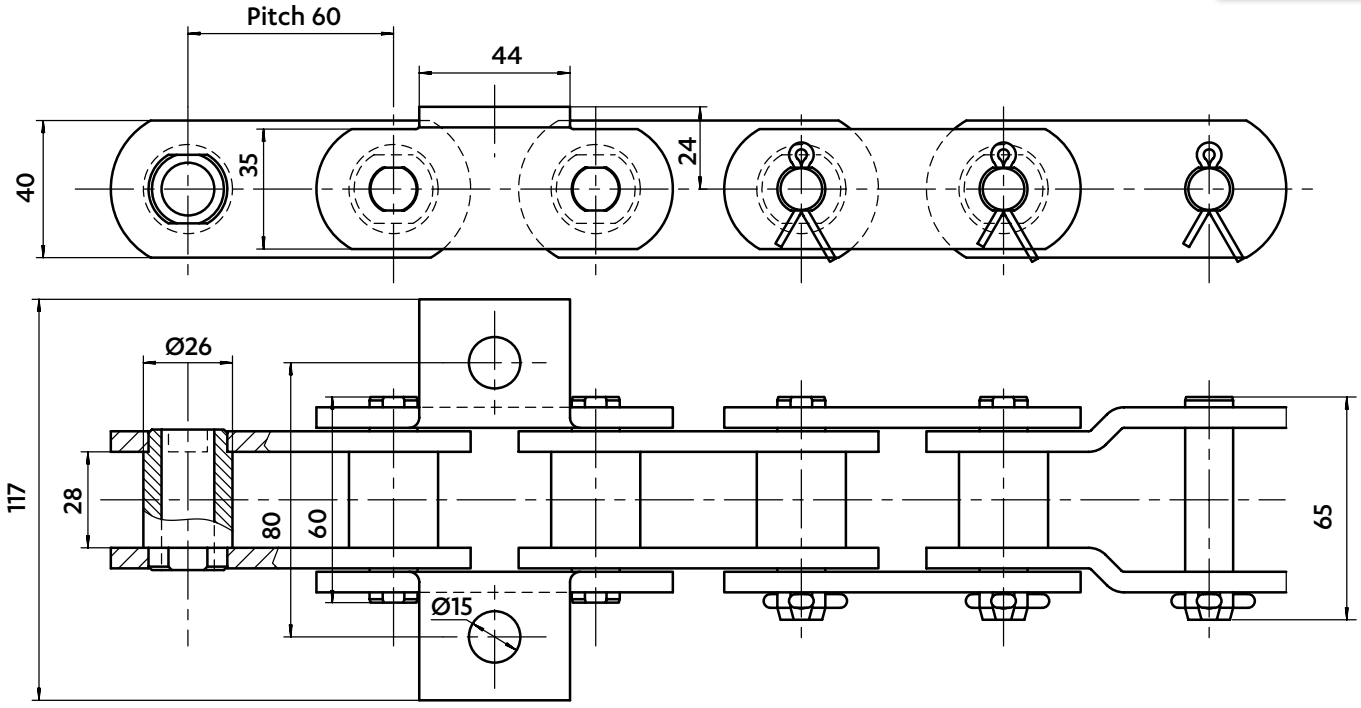
CARRIER CHAIN

5793-02
Breaking load : 180 kN



CHAIN FOR INCLINED CARRIER OF ASPHALT

5709-04

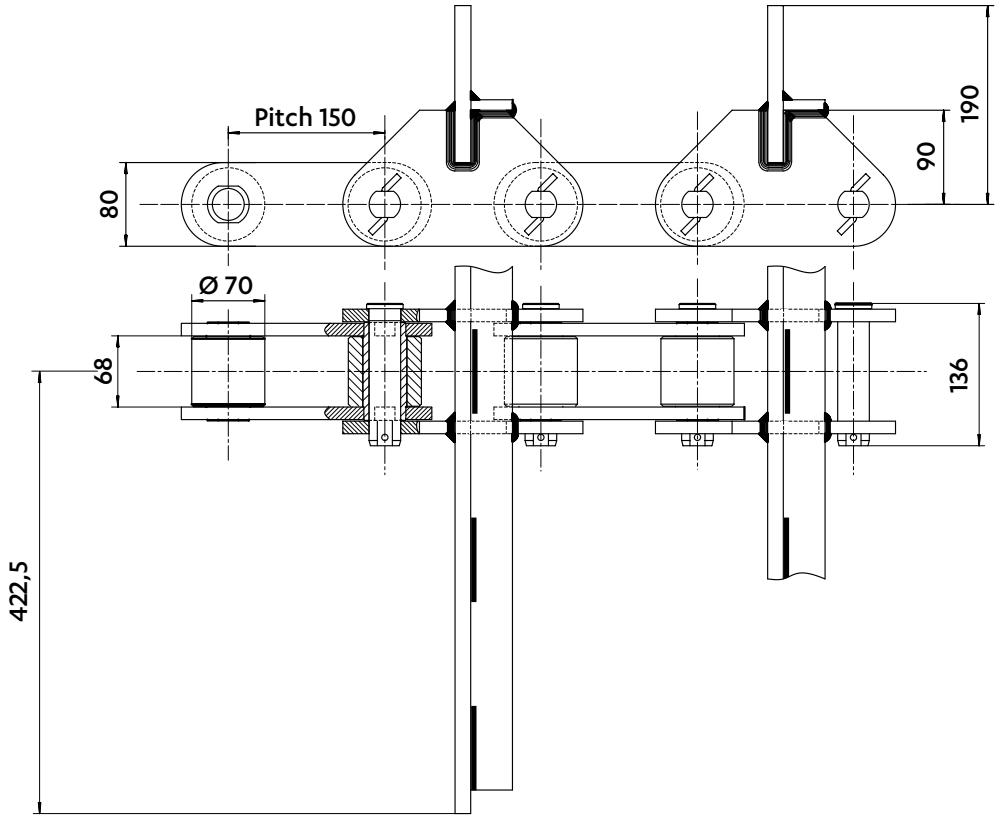


CHAINS FOR CIVIL ENGINEERING

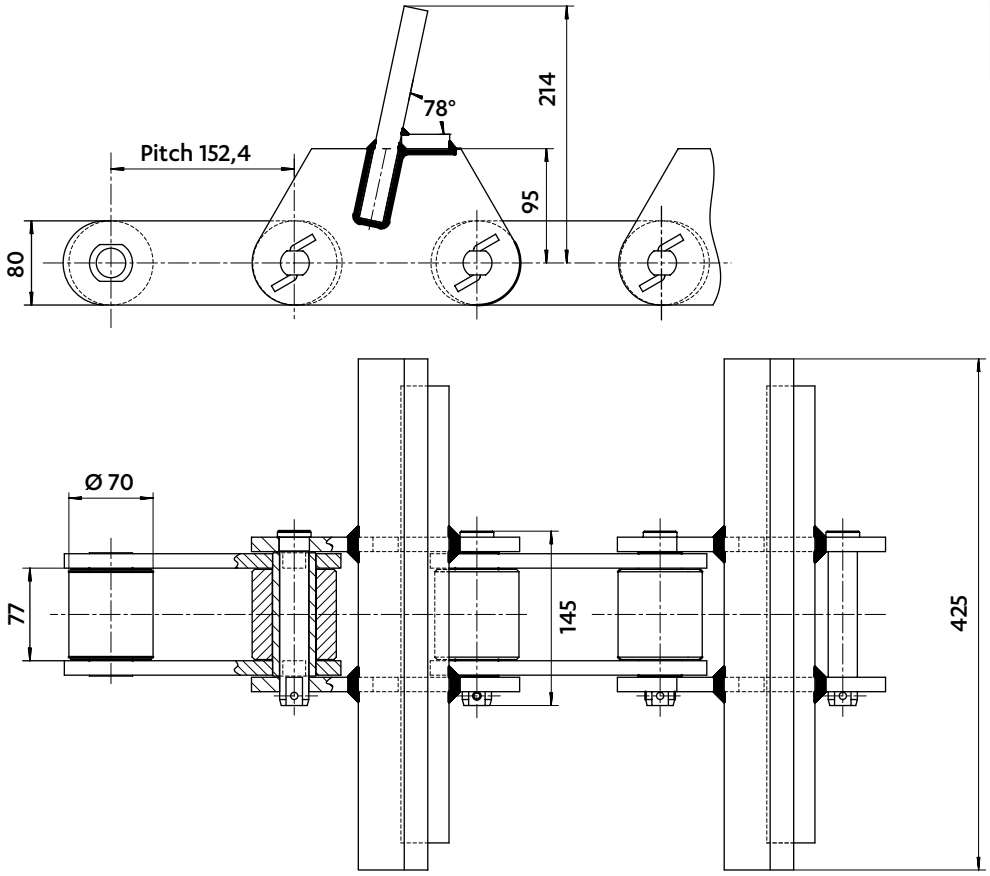
Dimensions in mm

CHAIN FOR INCLINED CARRIER OF ASPHALT

5461-35



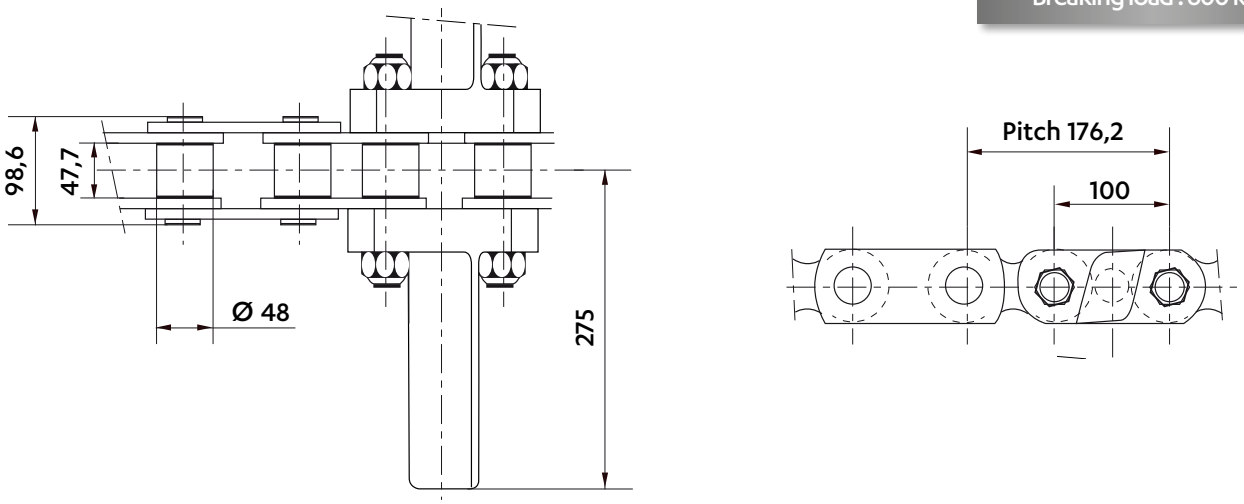
5617-41



Dimensions in mm

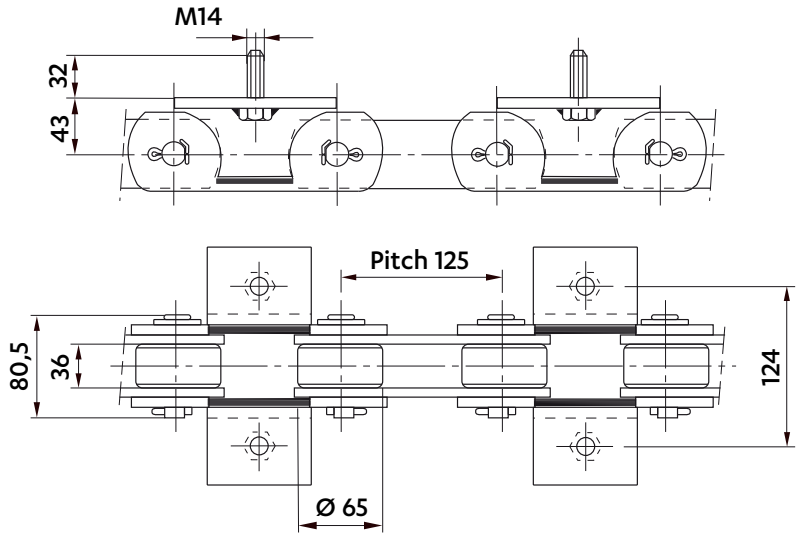
SCRAPER CHAIN FOR ASPHALT

5379-09
Breaking load : 600 kN



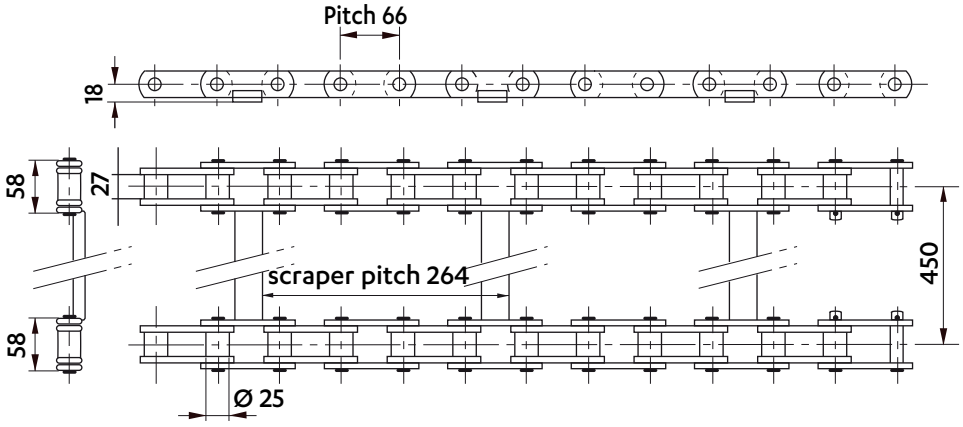
CATERPILLAR CHAIN FOR AMPHIBIAN VEHICLE

5347-08
Breaking load : 275 kN
Zinc plated chain



CHAIN FOR ROAD SALT SPREADER

5710-01

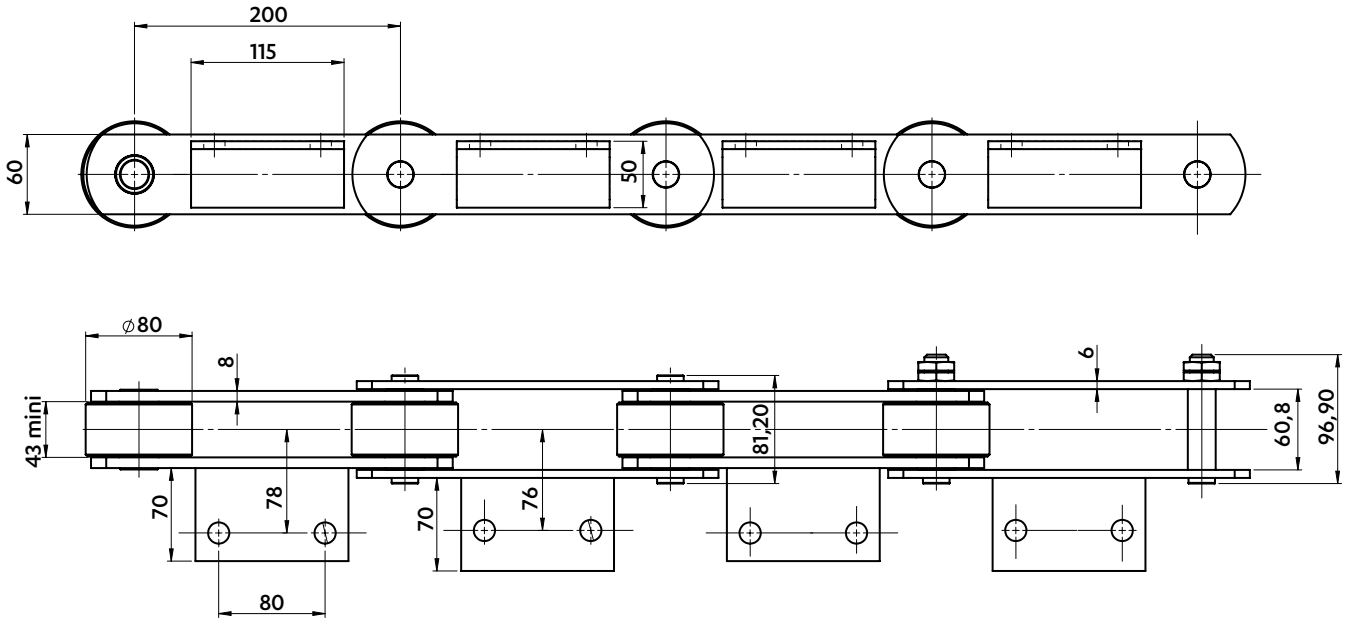


CHAINS FOR THE BRICK AND TILE INDUSTRY

Dimensions in mm

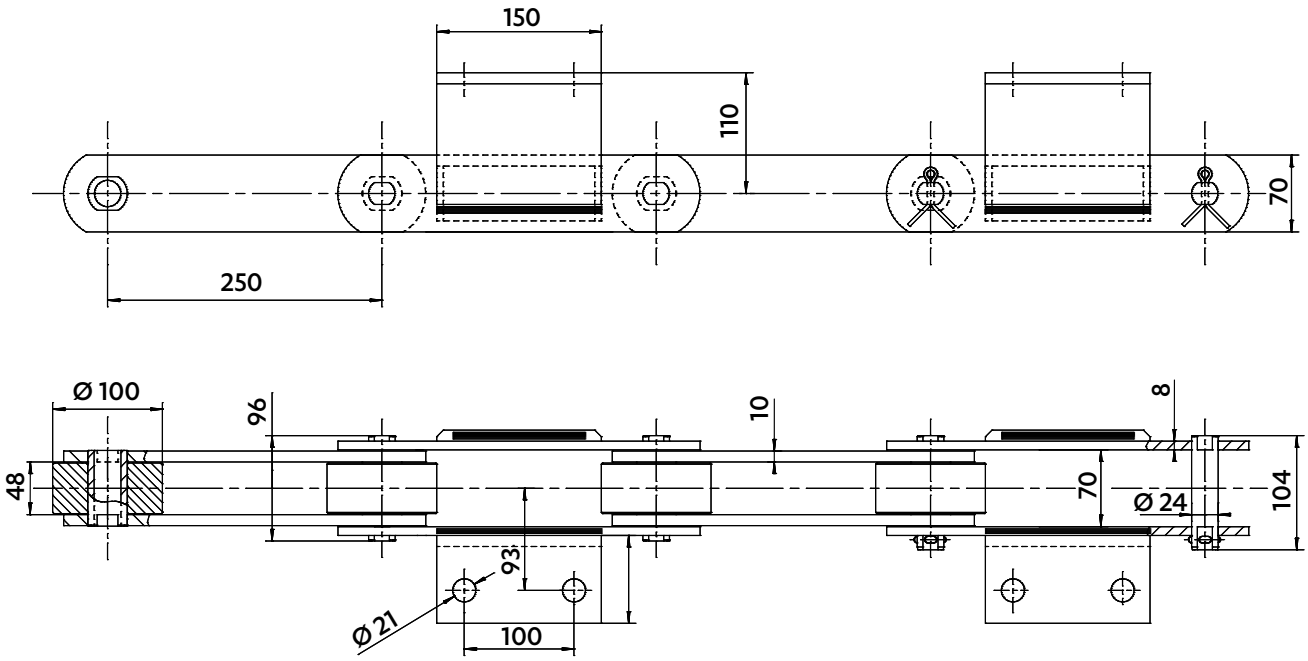
CHAIN FOR METERING HOPPER

5370-75



EXCAVATOR CHAINS

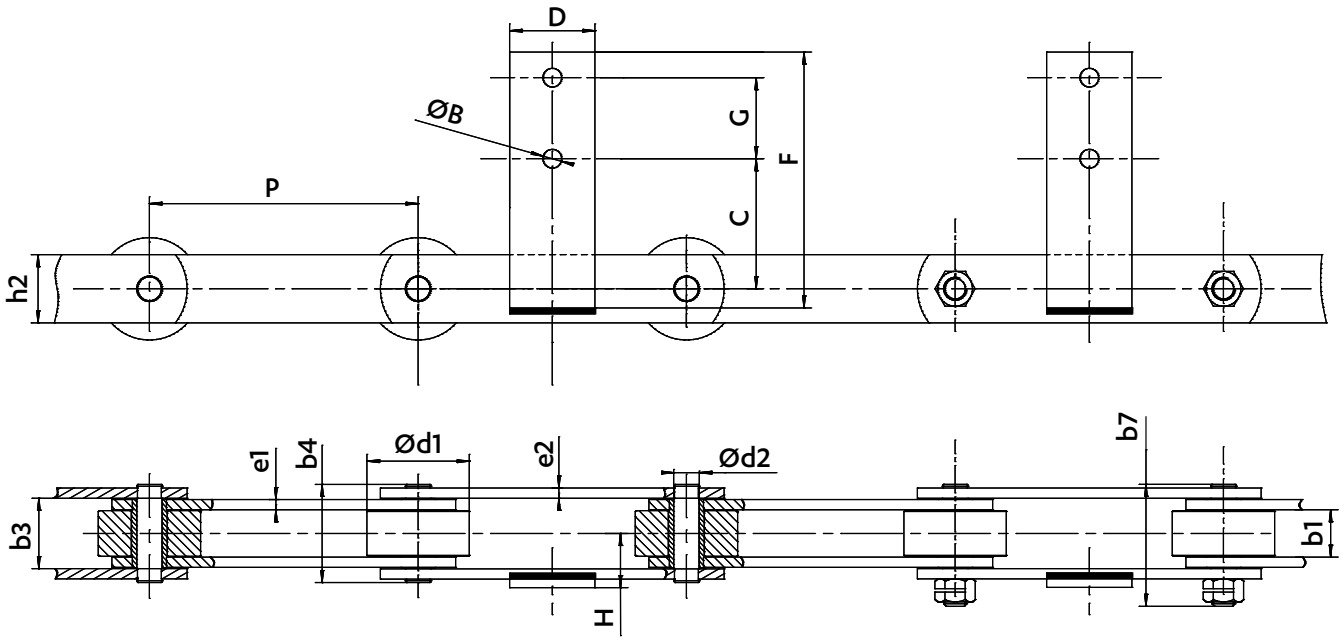
5343-76



sedis

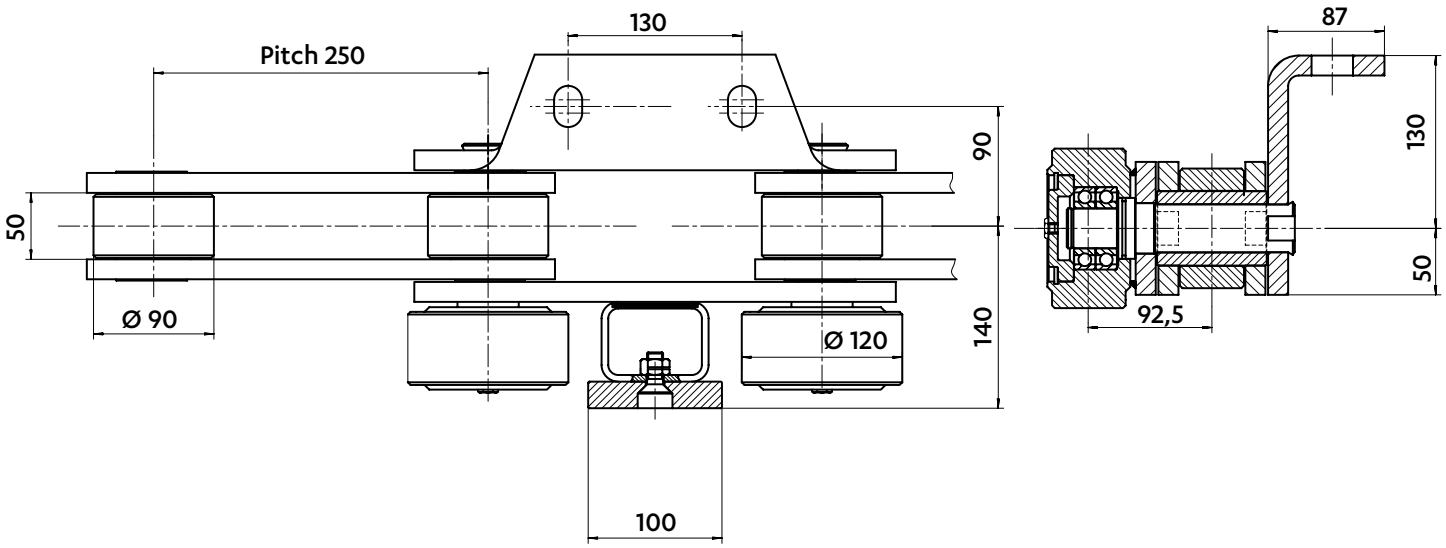
Dimensions in mm

EXCAVATOR CHAINS



Chain ref	Pitch	Plates height	Plates thickness	Width between inner plates	Width between outer plates	Wheel Ø	Width over the riveted pins	Width over 209 conn. link	Pin Ø	Attachments					
	P	h2	e1 / e2	b1	b3	d1	b4	b7	d2	B	C	D	F	G	H
5478-16	315	80	12	55,5	82,5	120	115	143	30	21	152,5	100	300	95	63,5
5478-18		50	8	36	55	70	77,8	93	18	17	122,5		240	85	41,5

5343-53

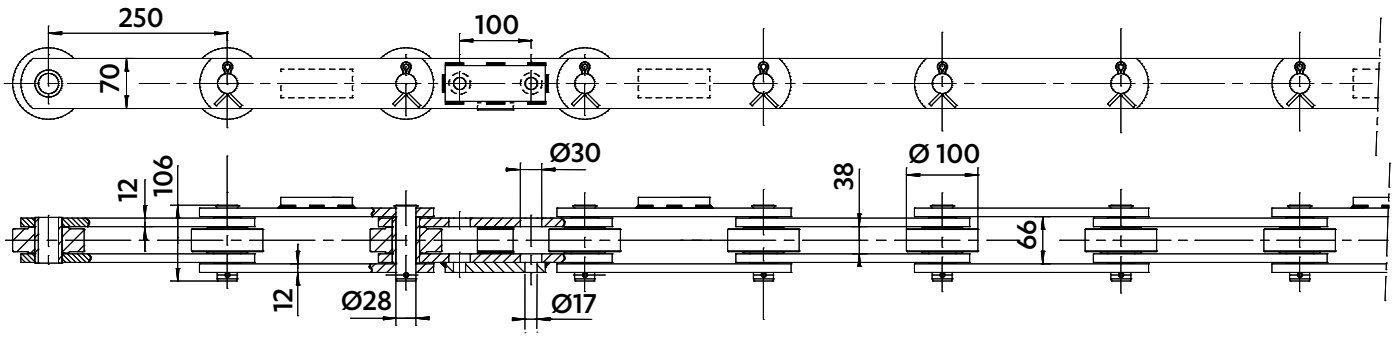


CHAINS FOR THE BRICK AND TILE INDUSTRY

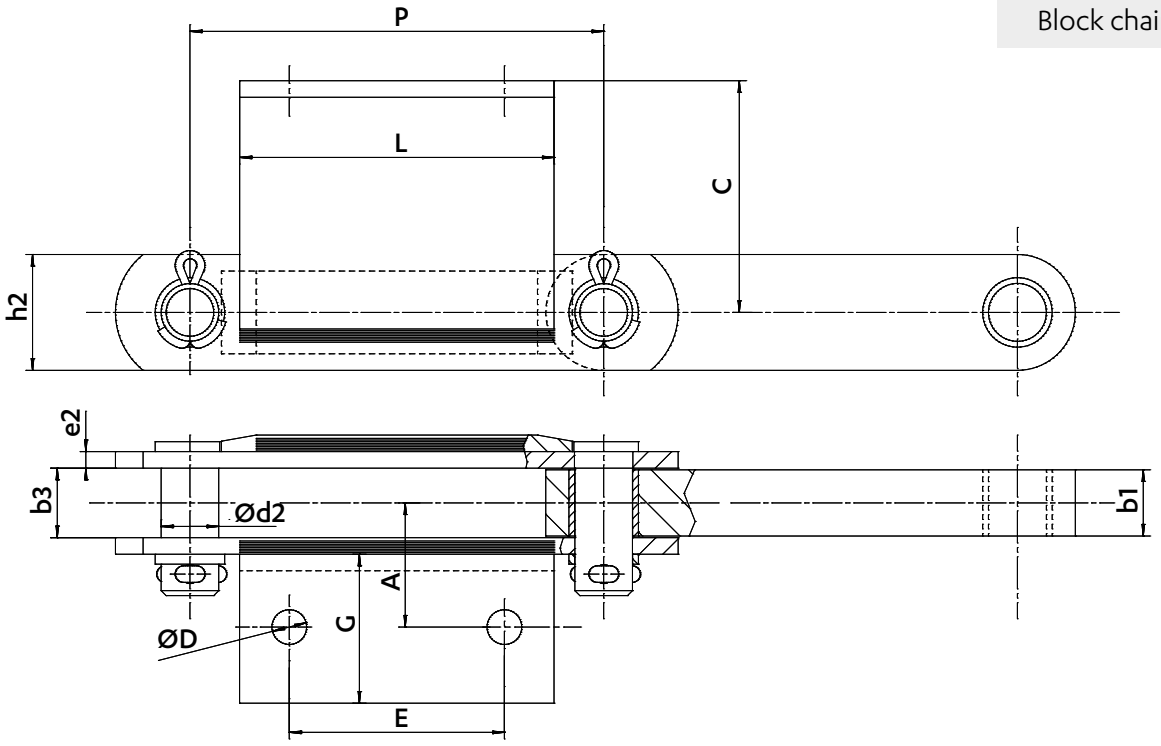
Dimensions in mm

EXCAVATOR CHAINS

5684-09



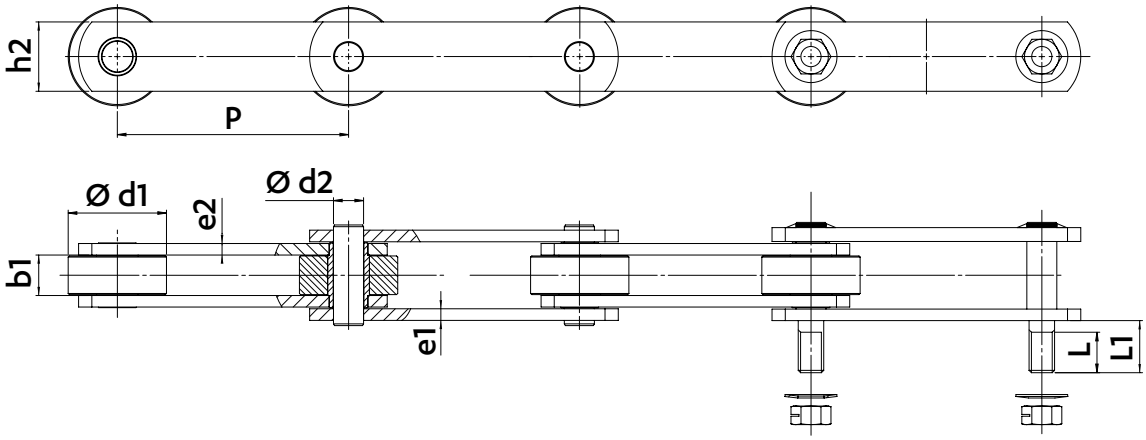
Block chains



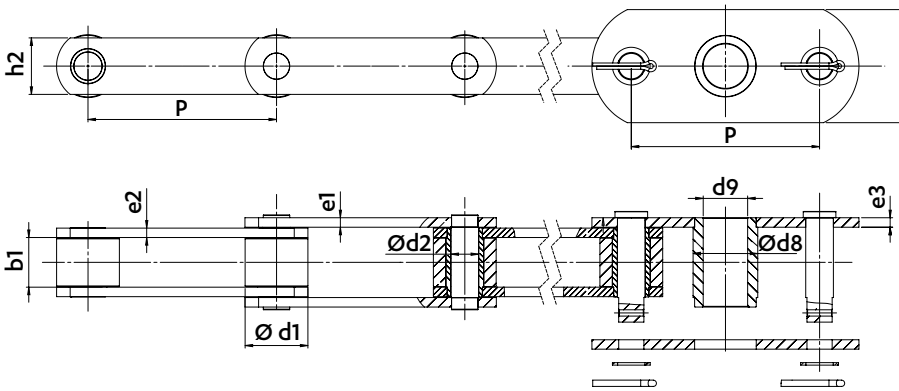
Chain ref	Pitch P	Block width b1	Plates height h2	Plates thickness e2	Width between outer plates b3	Pin Ø d2	Attachments D	A	G	L	C
5741-08	250	40	70	10	42	35	21	75	90	190	140
5741-04				10		35	22	70	80	140	110
5741-15				10		35	21	70	80	150	110
5741-16				15		31,5	23	85	80	180	115
5741-19		25	50	10	25	18	-	-	-	-	-

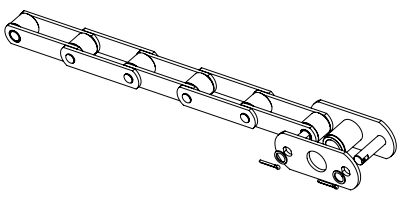
Dimensions in mm

CHAINS FOR SWING DRYER



Chain ref	Pitch P	Width between inner plates b1	Plates height h2	Inner plates thickness e1	Outer plates thickness e2	Wheel Ø d1	Pin Ø d2	Conn. Link thread	Extended pins L	Extended pins L1
5022-13	200	35	60	10	10	85	26	M22	35	45
5022-14	200	35	60	10	10	85	26	M22	35	45
5022-15	200	35	80	15	15	85	32	M27	40	50
5308-60	200	42	60	8	8	85	21	M20	35	45
5308-70	200	35	70	10	10	85	28	M22	25	45
5308-88	200	44	70	10	10	85	25	M20	35	45
5308-91	200	38	60	8	8	85	25	M22	35	45
5308-92	200	38	70	12	12	85	30	M22	35	45
5581-02	260	67	80	12	12	100	30	M27	55	65
5581-05	260	67	80	12	12	100	30	M27	50	70
5921-01	200	35	70	10	10	85	25	M22	40	50
5921-02	200	35	70	10	10	85	28	M22	25	45
5921-12	200	35	60	10	10	85	26	M22	35	45
5921-14	200	42	60	10	10	80	22	M20	30	40
5921-28	200	41	80	12	15	85	36	M22	29	47
5921-71	200	42	60	10	10	80	22	M20	30	40





Chain ref	Pitch P	Width between inner plates b1	Plates height h2	Inner plates thickness e1	Outer plates thickness e2	Wheel Ø d1	Pin Ø d2	Conn. Link thread	ATTACHMENT d8	ATTACHMENT d9	ATTACHMENT h	ATTACHMENT e3
5851-05	280	43	70	10	12	85	26	M22	85	60	128	15
5462-30	300	79	90	15	15	100	44	cottered	103	70,5	180	15

SPECIAL CHAINS

sedis

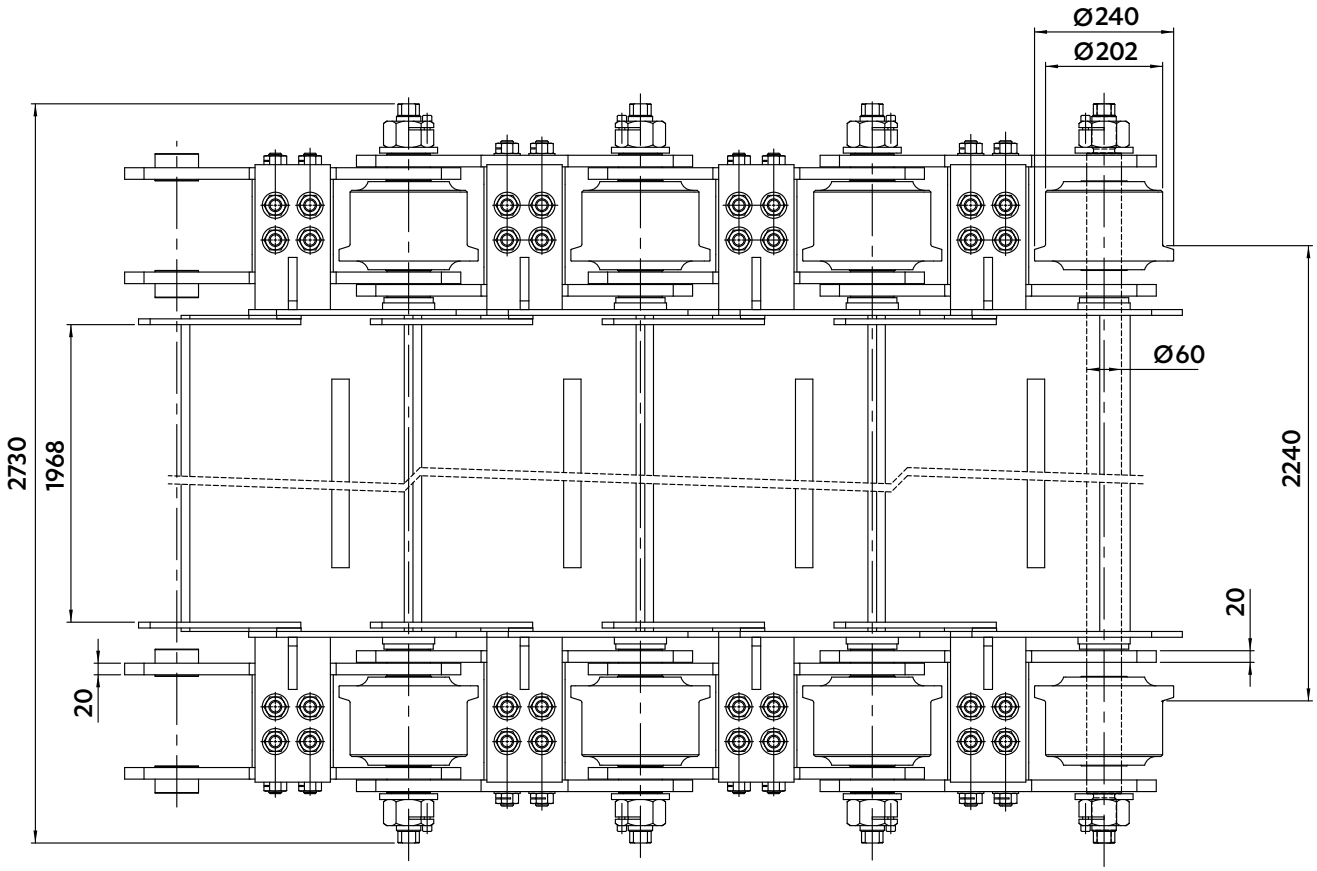
Heavy
INDUSTRY

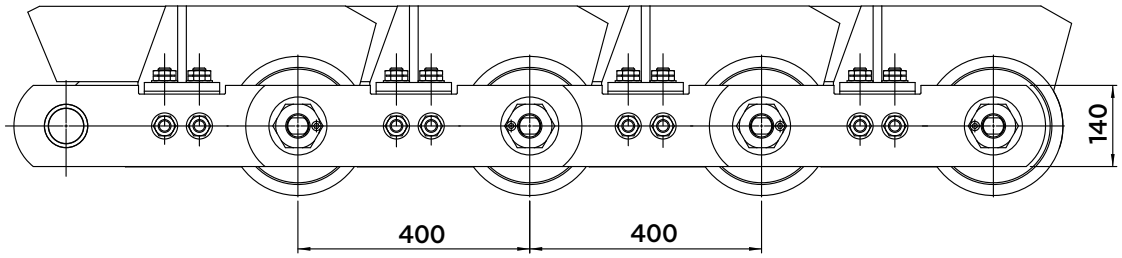
CHAINS FOR THE CEMENT INDUSTRY

Dimensions in mm

CHAIN FOR PIT EXTRACTOR

5087-18

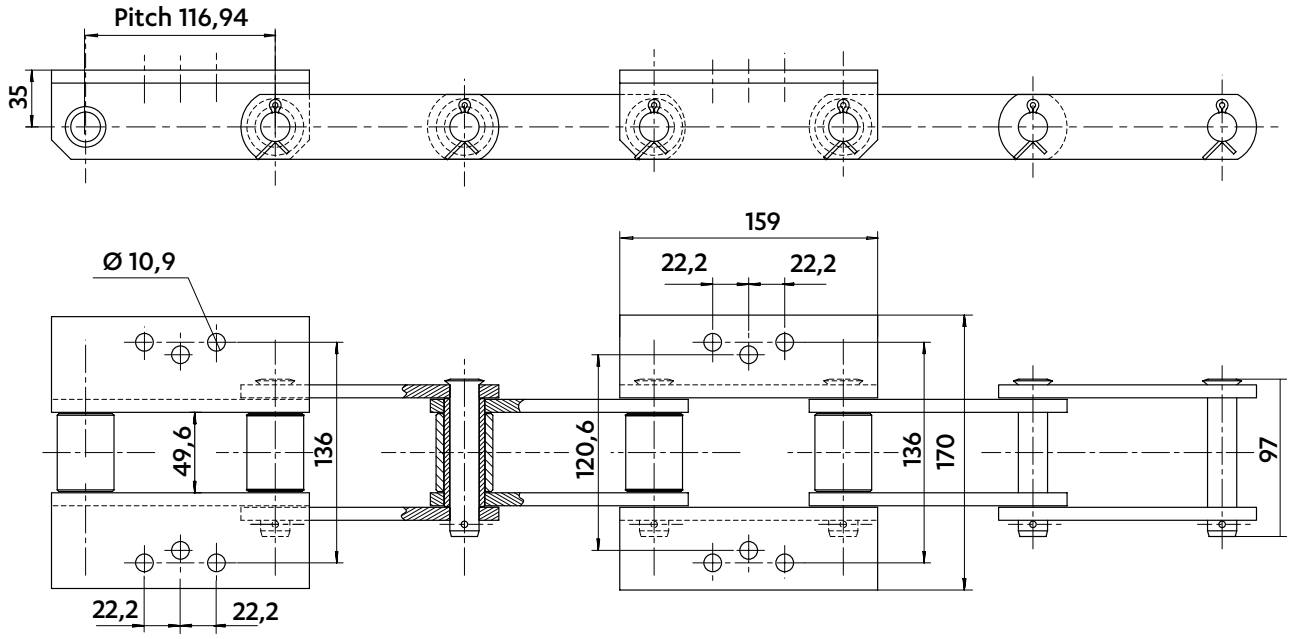




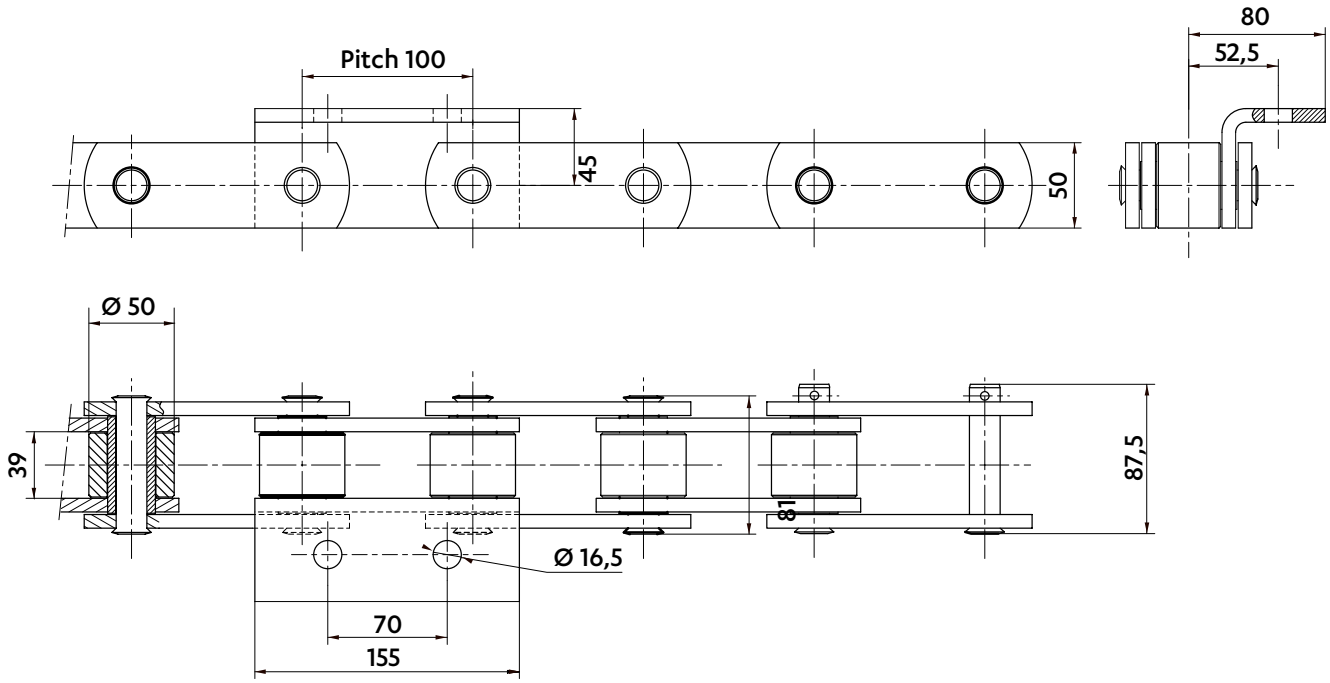
Dimensions in mm

CHAIN FOR CENTRIFUGAL BUCKET ELEVATOR

5840-01



5770-03

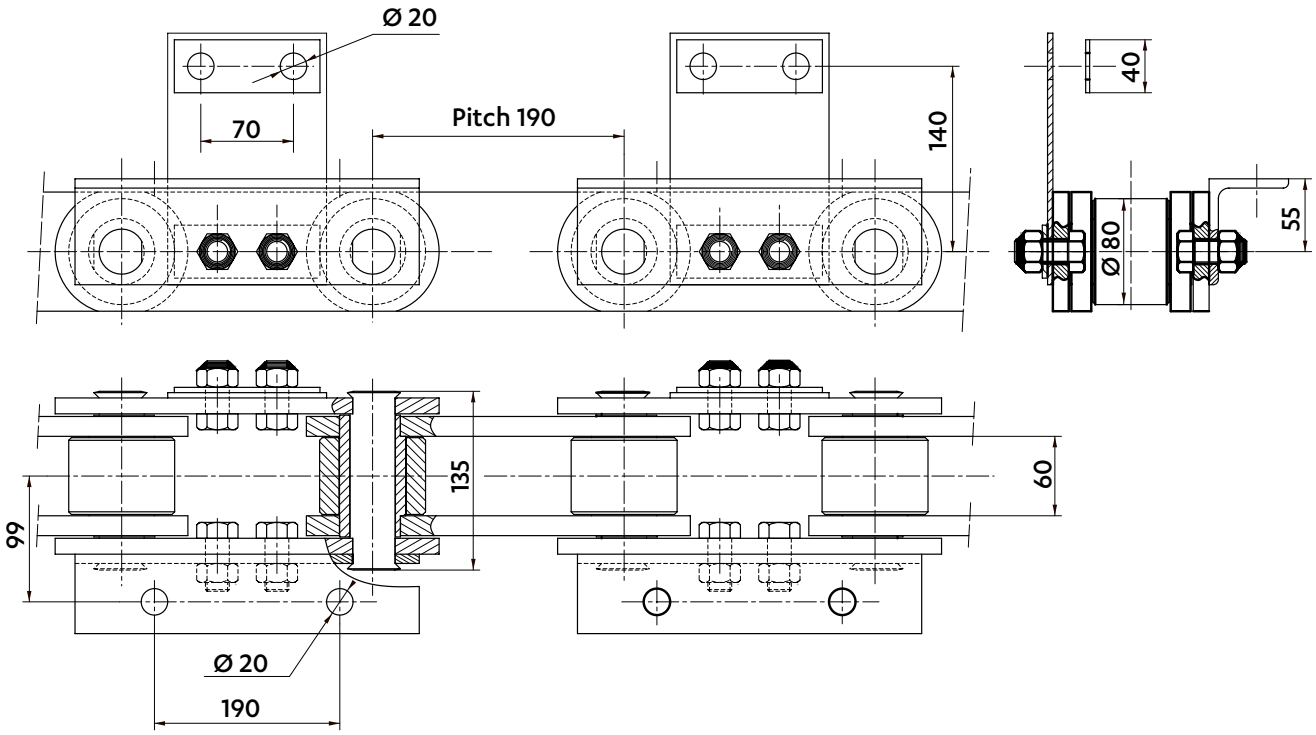


CHAINS FOR THE CEMENT INDUSTRY

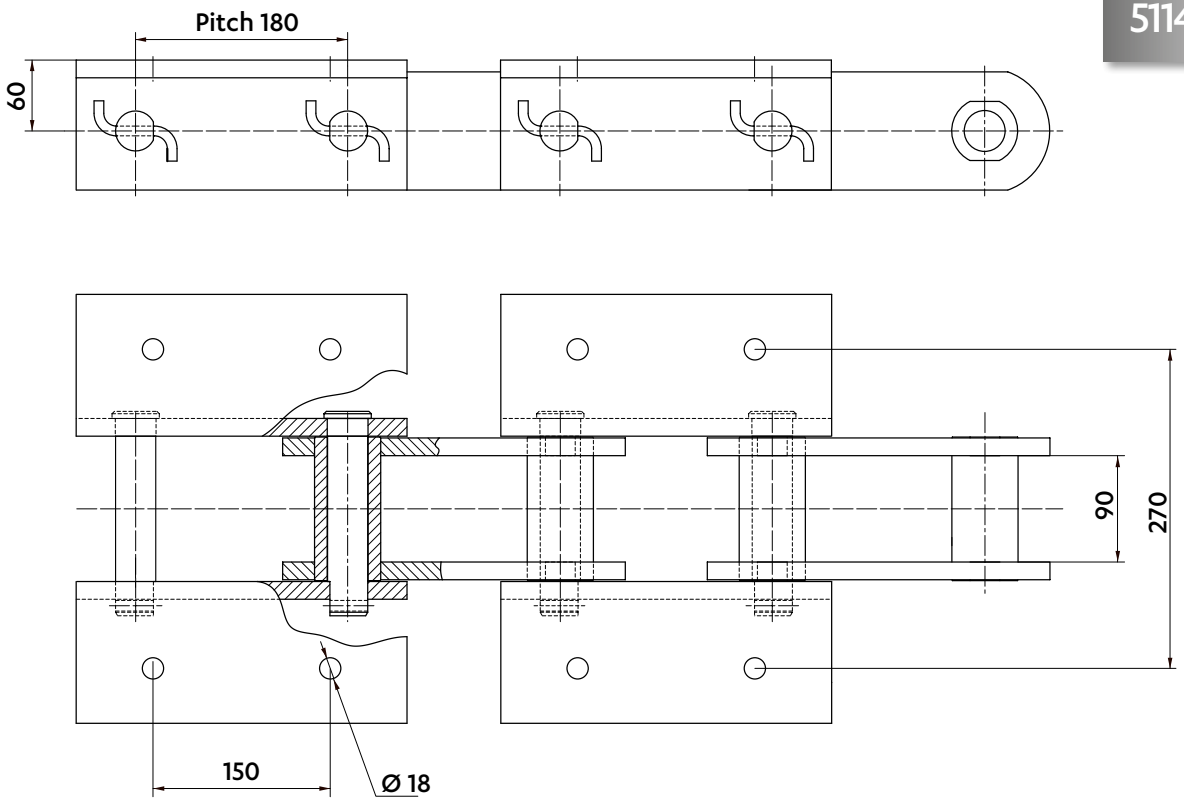
Dimensions in mm

CHAIN FOR CENTRIFUGAL BUCKET ELEVATOR

5725-03

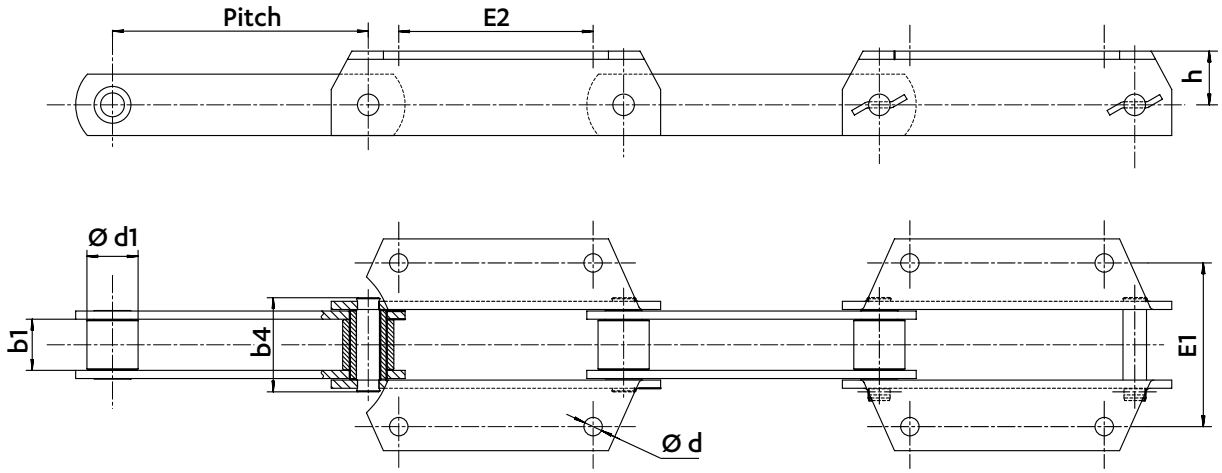


5114-02



Dimensions in mm

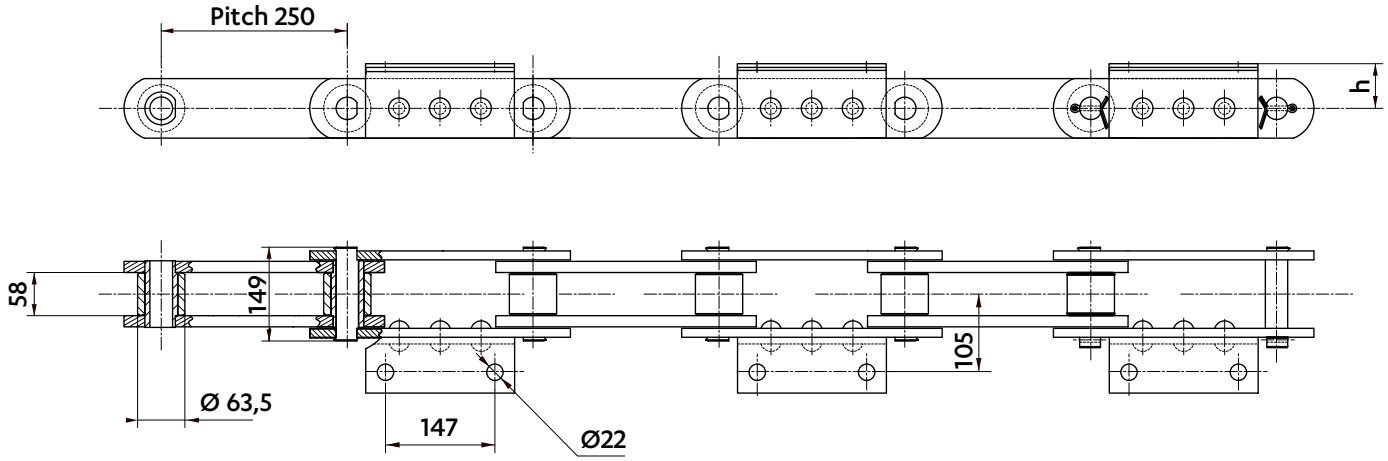
CHAIN FOR CENTRIFUGAL BUCKET ELEVATOR



Chain ref	Pitch	Width between inner plates	Roller Ø	Width over the pins	ATTACHMENTS			
	P	b1	d1	b4	h	d	E1	E2
5515-24	125	44	42	80,5	45,0	18	140	85
5479-31	160	44	42	80,5	45,0	18	140	100
5308-80	200	44	42	80,5	45,0	18	140	155
5343-51	250	50	50	82,0	52,5	18	160	190
5343-57	250	56	55	101,2	60,0	18	170	190

5746-01
h : 60 mm

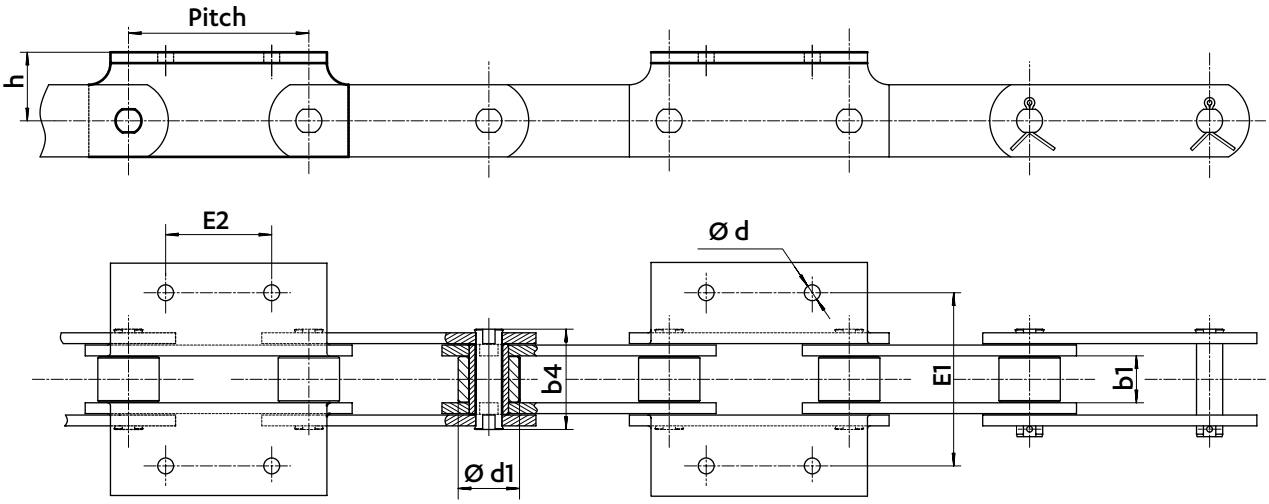
5746-02
h : 65 mm



CHAINS FOR THE CEMENT INDUSTRY

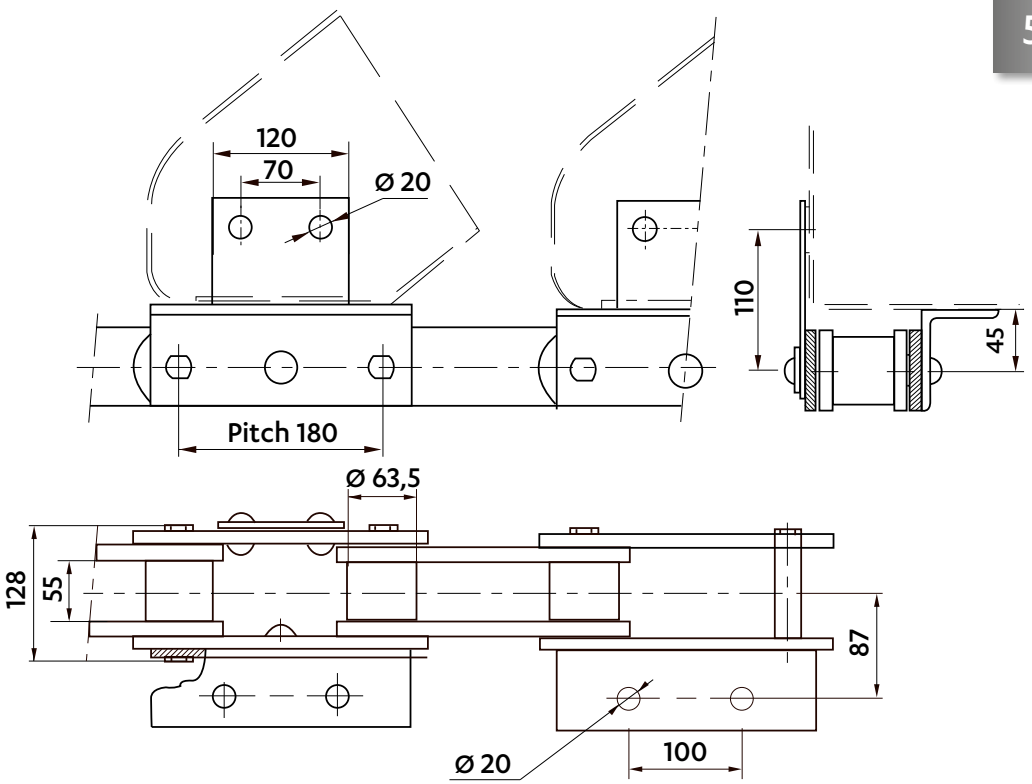
Dimensions in mm

CHAIN FOR CENTRIFUGAL BUCKET ELEVATOR



Chain ref	Pitch	Width between inner plates	Roller Ø	Width over the pins	ATTACHMENTS			
	P	b1	d1	b4	h	d	E1	E2
5816-01	135	39	50	81	41	15	135	60
5114-02	180	90	56	174	60	18	270	150
5343-24	250	65	85	139	95	22	240	147
5343-32	250	65	85	139	95	22	240	147

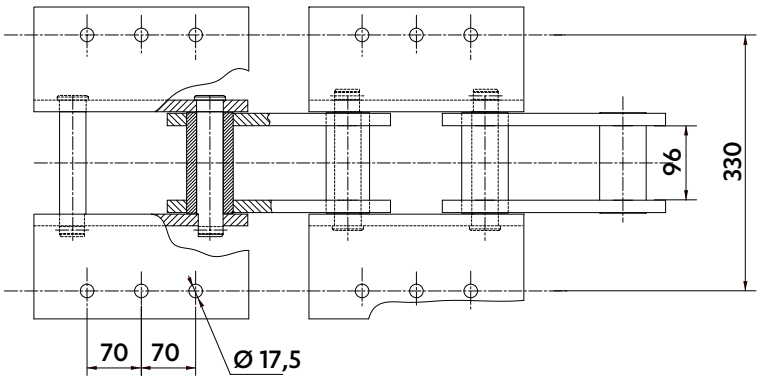
5114-01

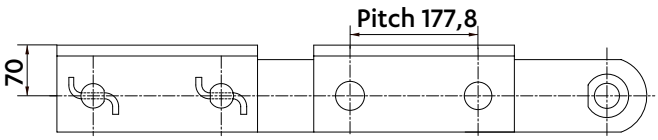


Dimensions in mm

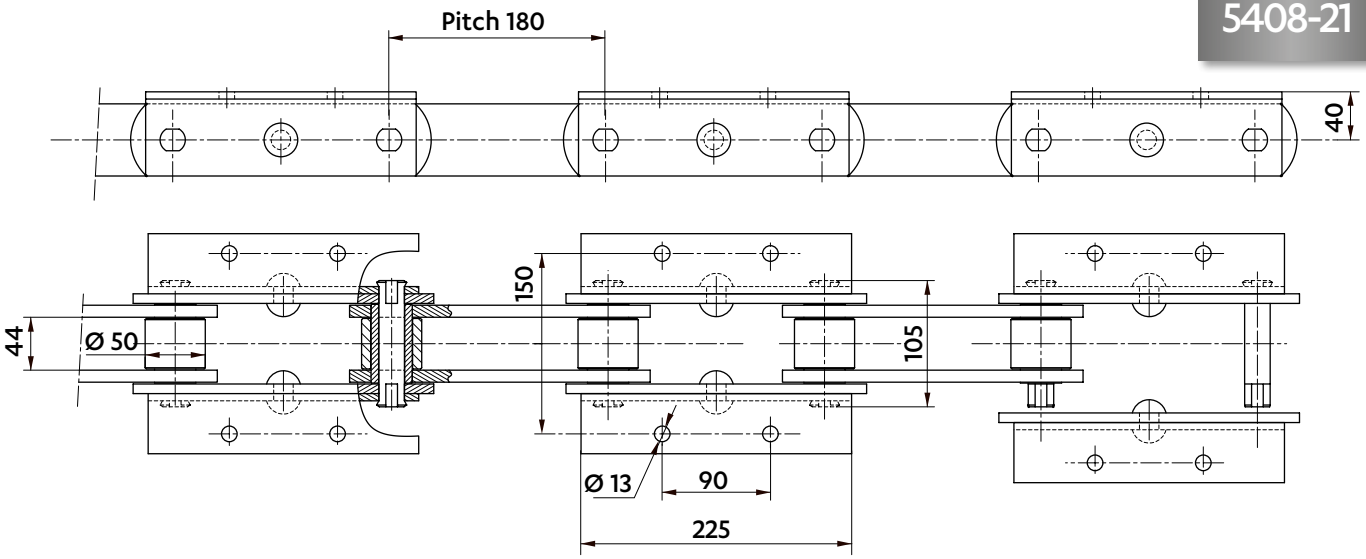
CHAIN FOR CENTRIFUGAL BUCKET ELEVATOR

5794-01
Breaking load : 1100 kN

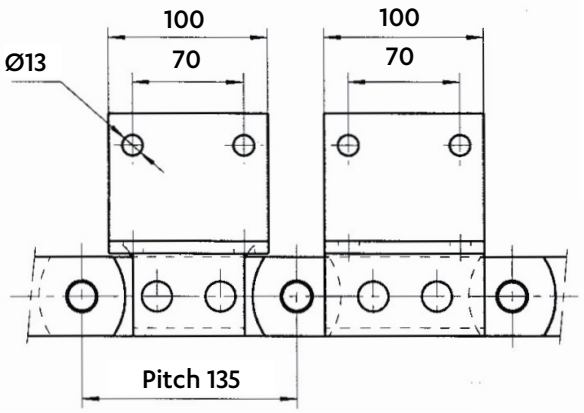


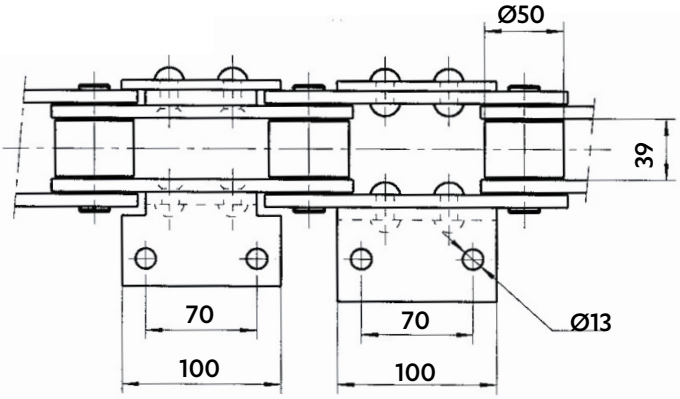


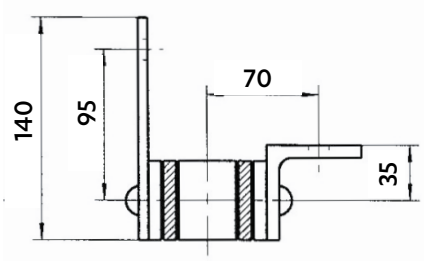
5408-21



5315-11
Breaking load : 250 kN





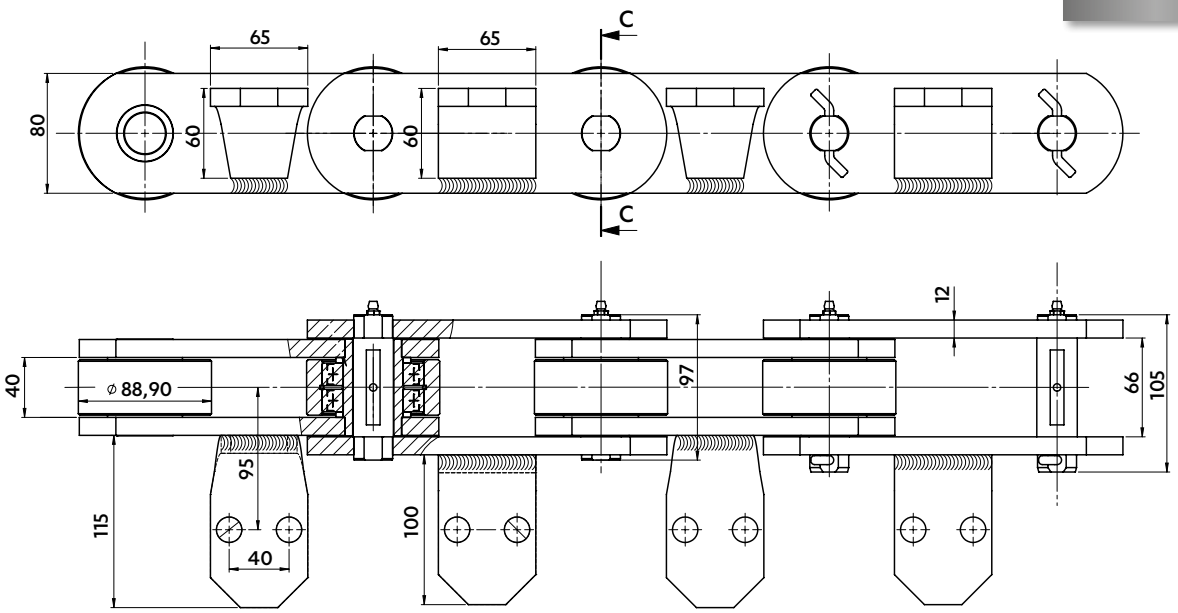


CHAINS FOR THE CEMENT INDUSTRY

Dimensions in mm

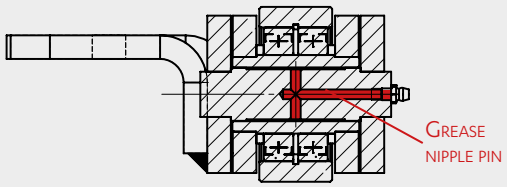
CARRIER CHAIN

5977-61



SEDIS solution

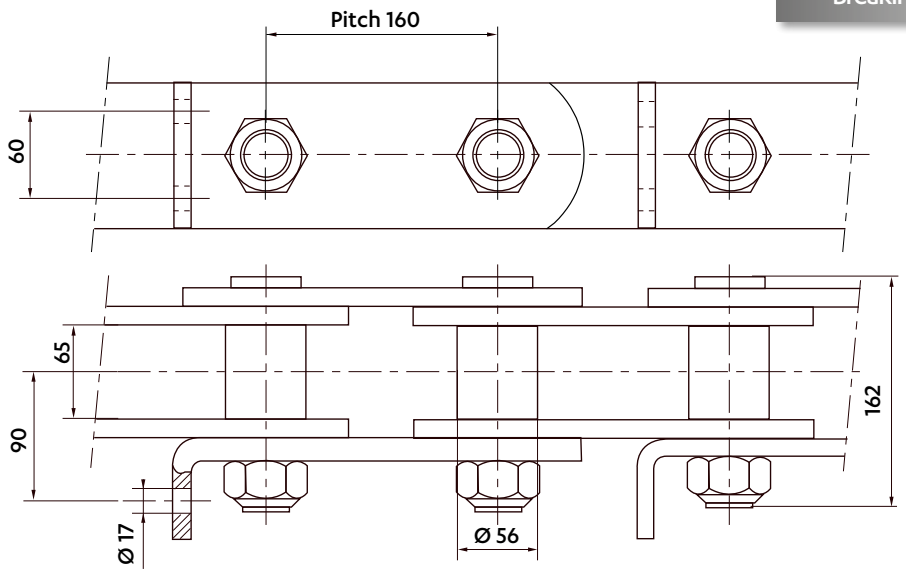
AXIAL GREASING



- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

SCRAPER CHAIN

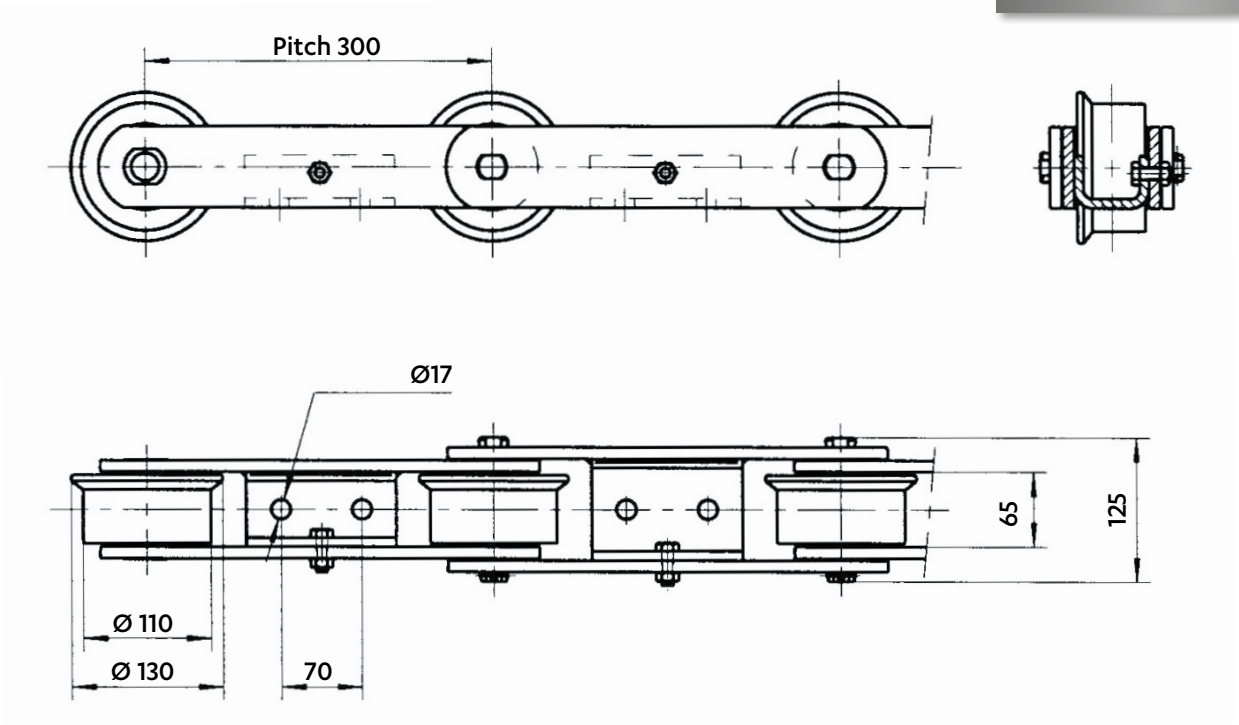
5479-26
Breaking load : 850 kN



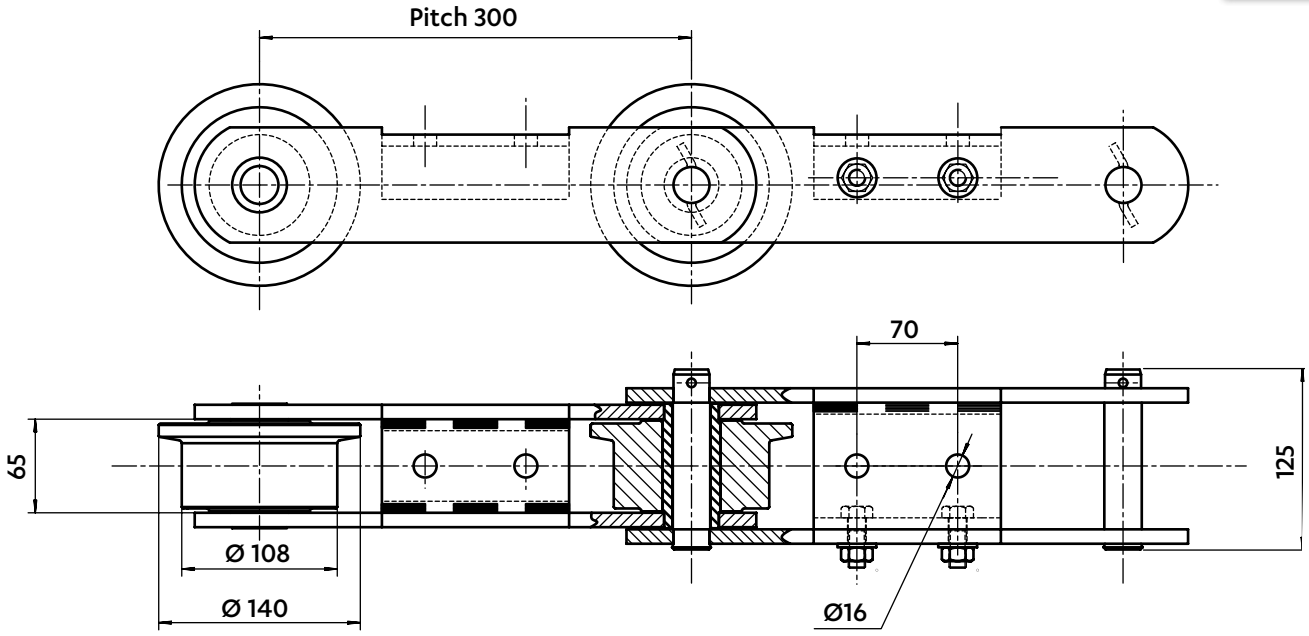
Dimensions in mm

CHAIN FOR LINEAR RAW MATERIAL FEEDER

5462-11
Breaking load : 400 kN



5462-19

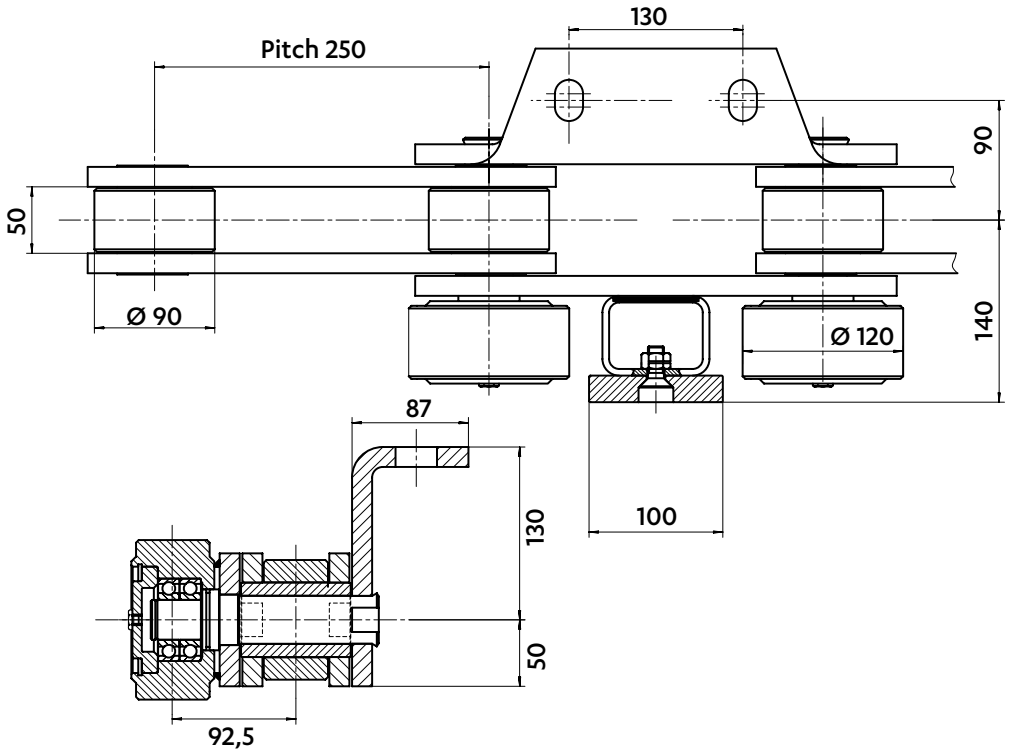


CHAINS FOR THE CEMENT INDUSTRY

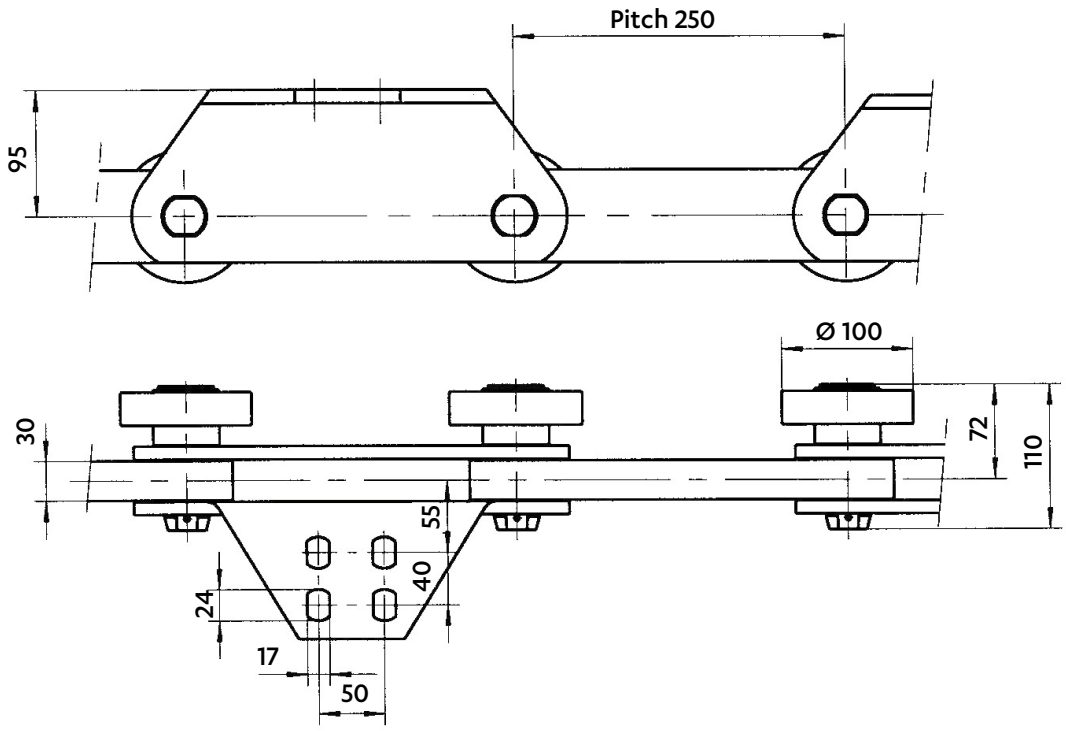
Dimensions in mm

CHAINS FOR SCRAPER

5343-53



5741-03
Breaking load : 315 kN

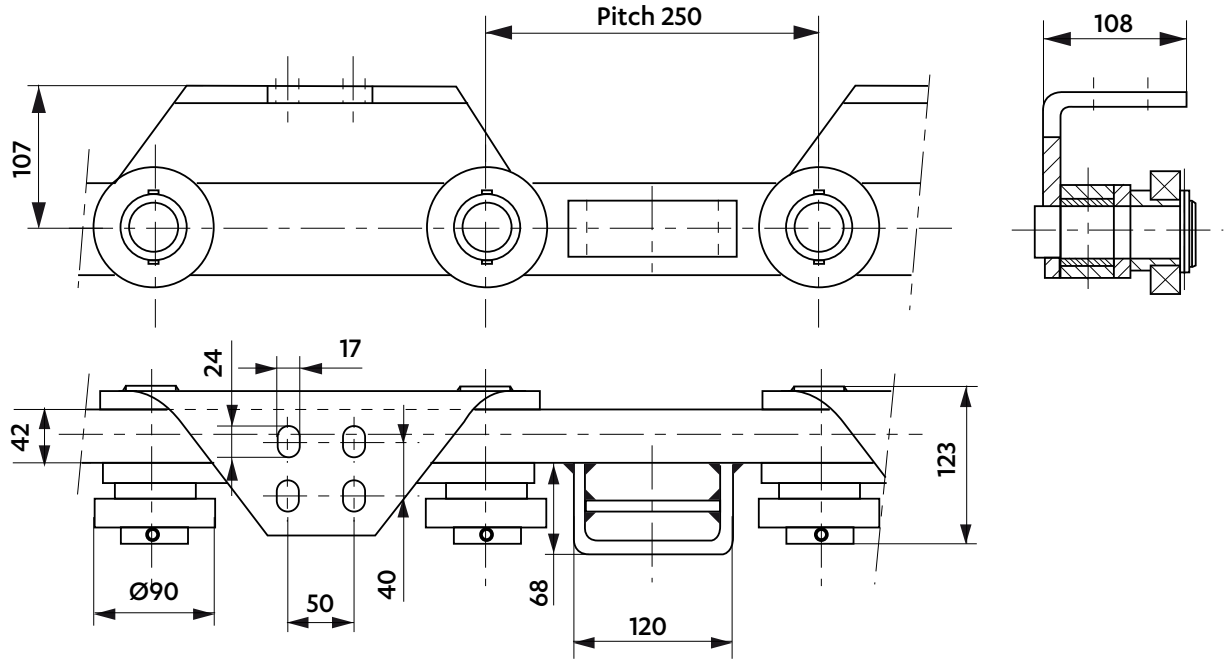


Dimensions in mm

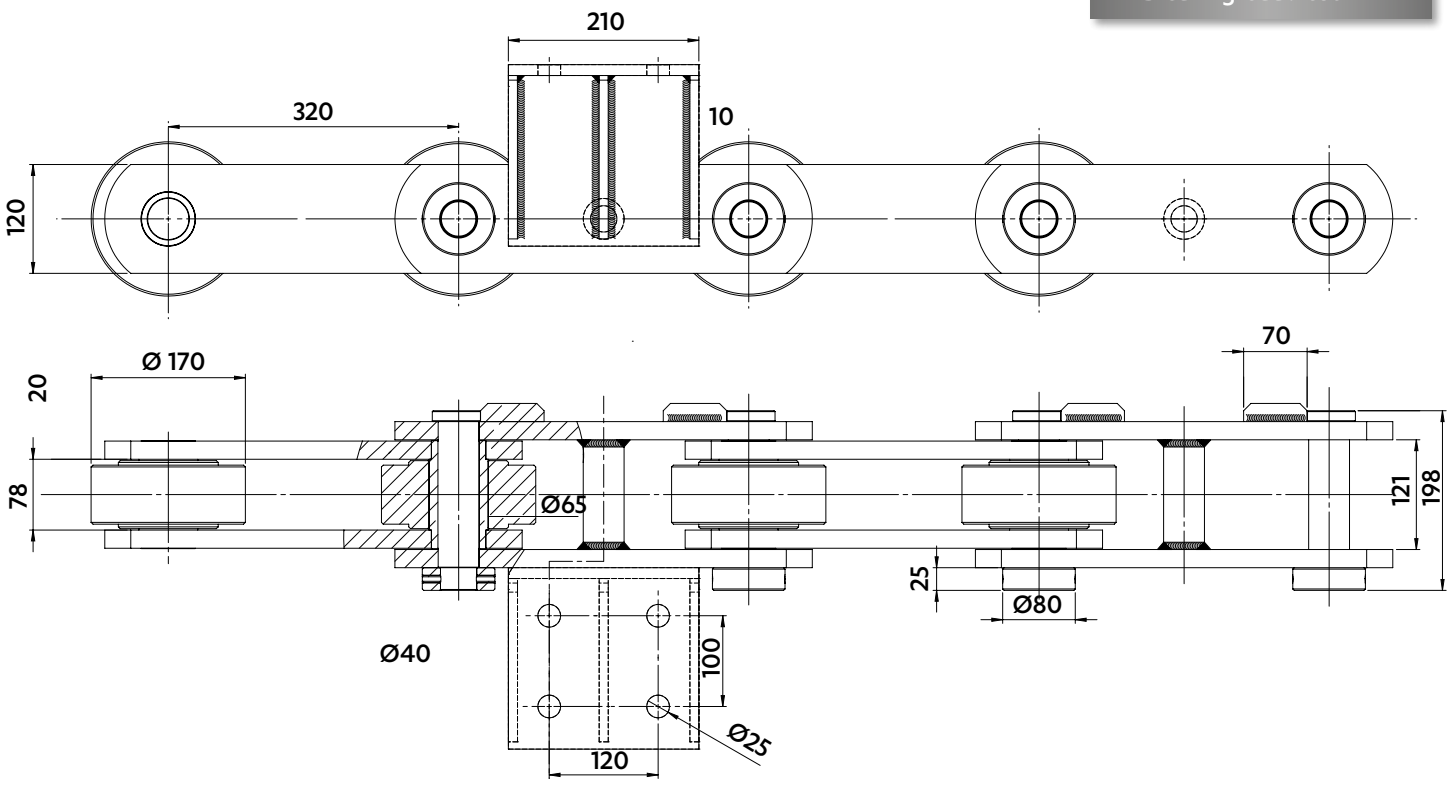
CHAINS FOR SCRAPER

5741-02
Breaking load : 580 kN

block chain



5834-04
Breaking load : 1630 kN

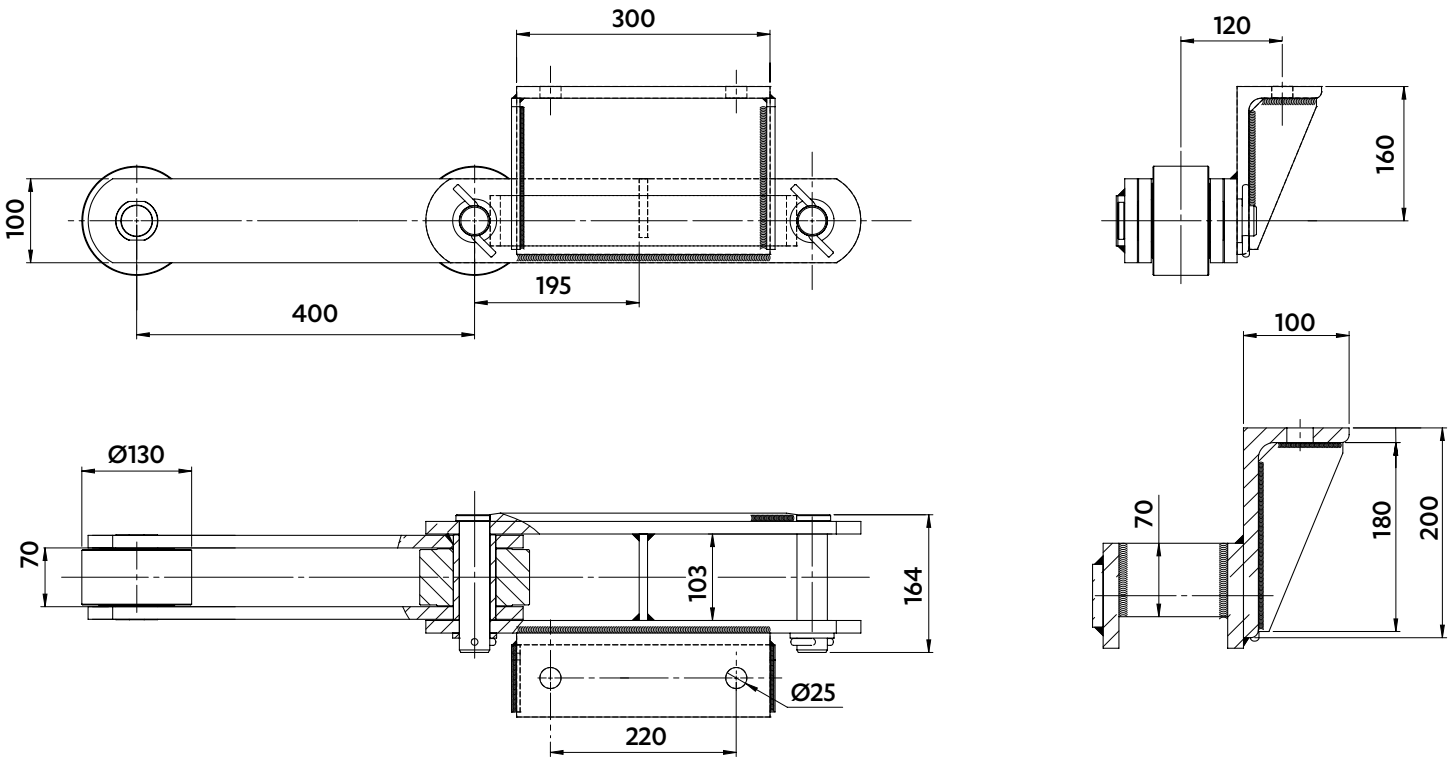


CHAINS FOR THE CEMENT INDUSTRY

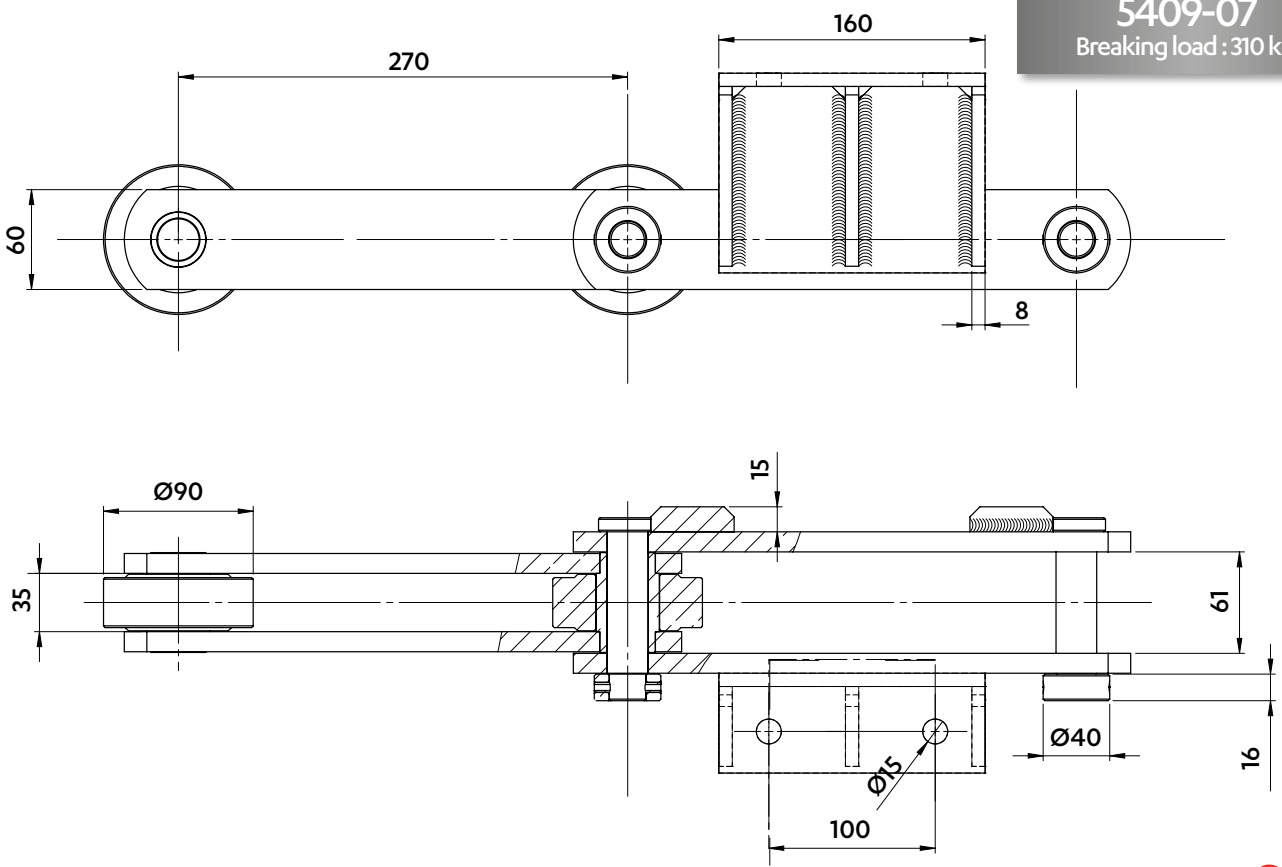
Dimensions in mm

CHAINS FOR SCRAPER

5087-28
Breaking load : 1200 kN



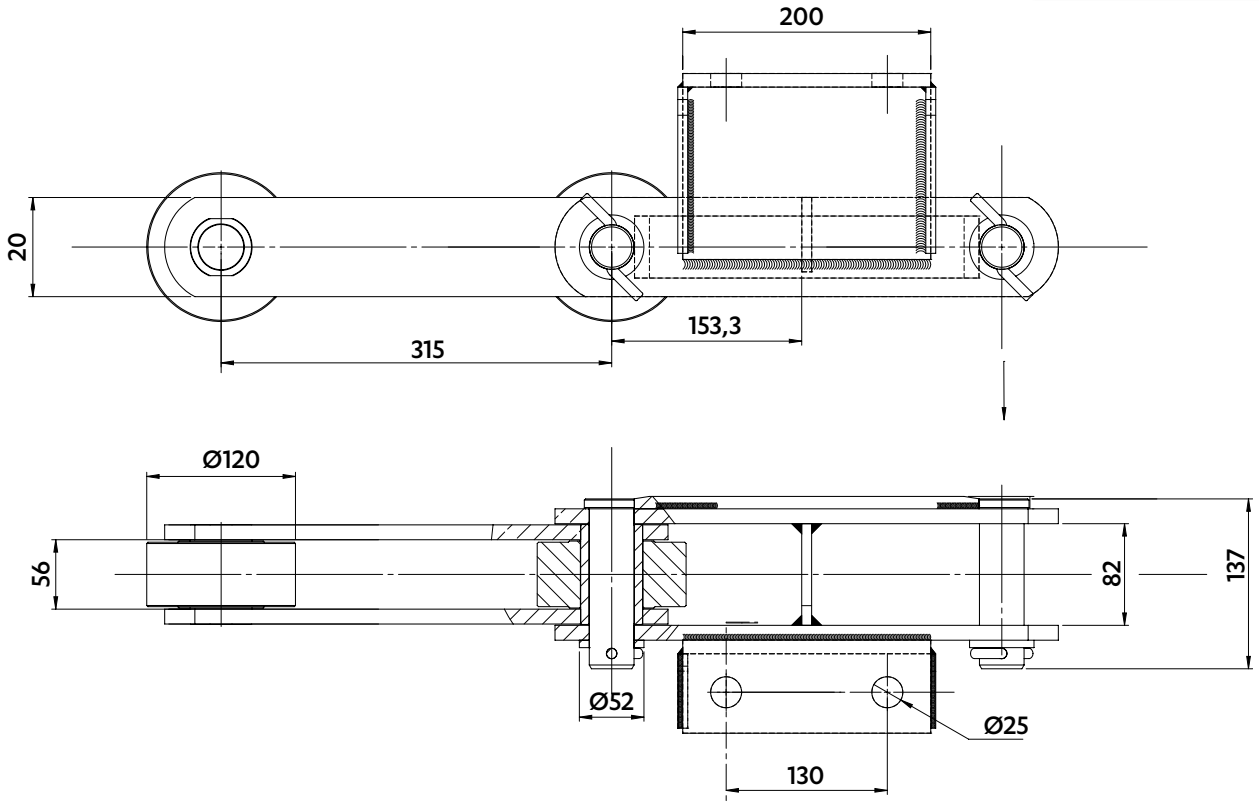
5409-07
Breaking load : 310 kN



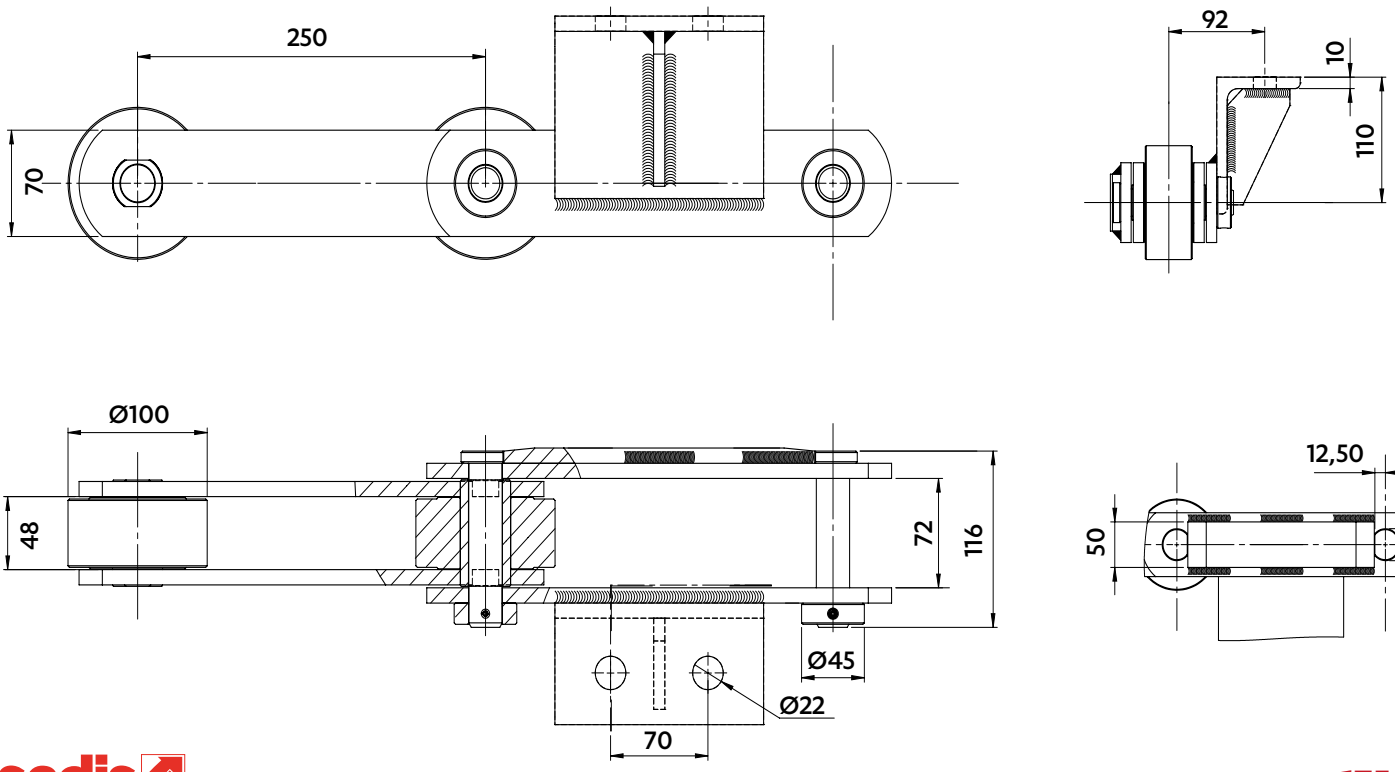
Dimensions in mm

CHAINS FOR SCRAPER

5478-29
Breaking load : 450 kN



5972-72
Breaking load : 446 kN

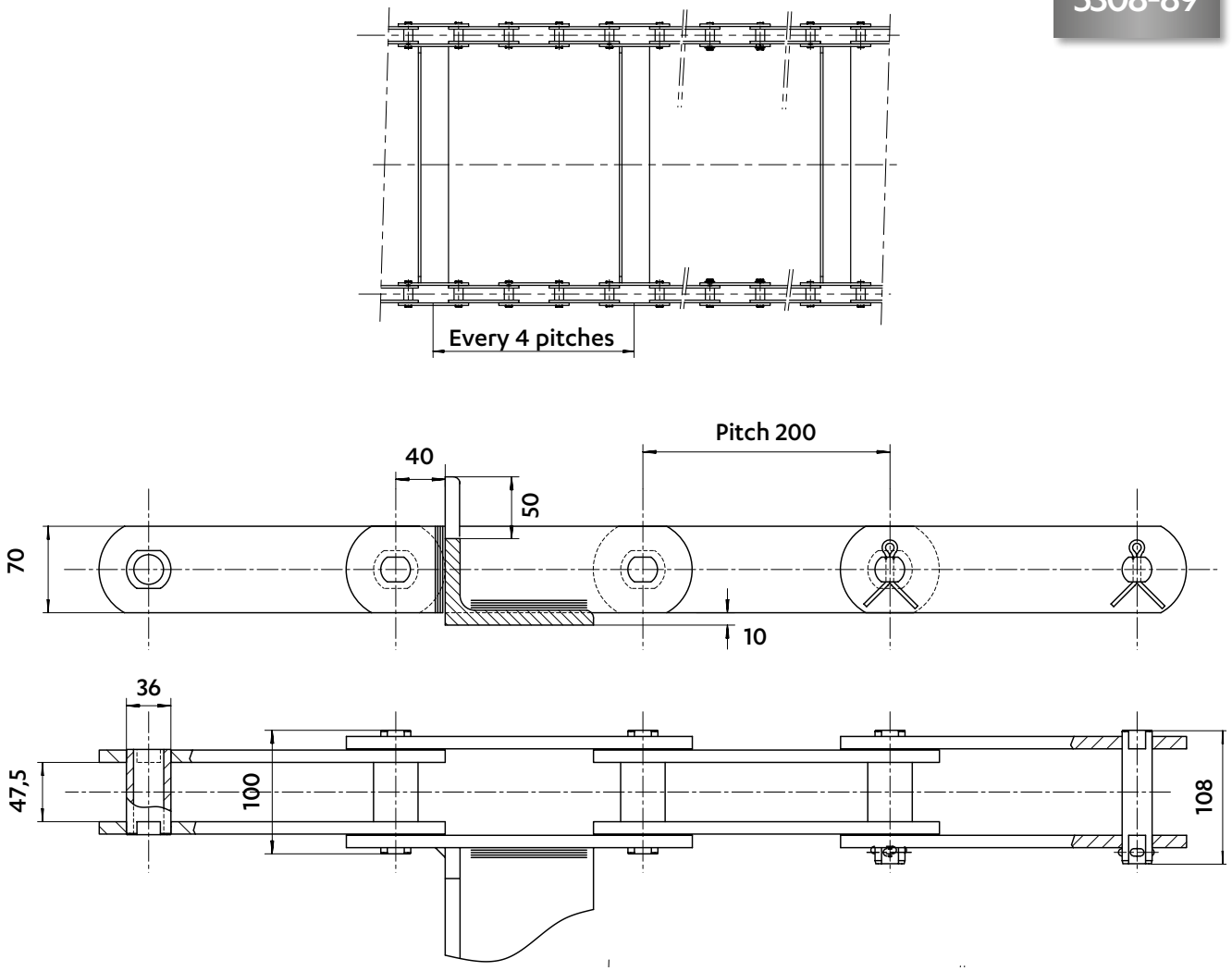


CHAINS FOR THE PAPER INDUSTRY

Dimensions in mm

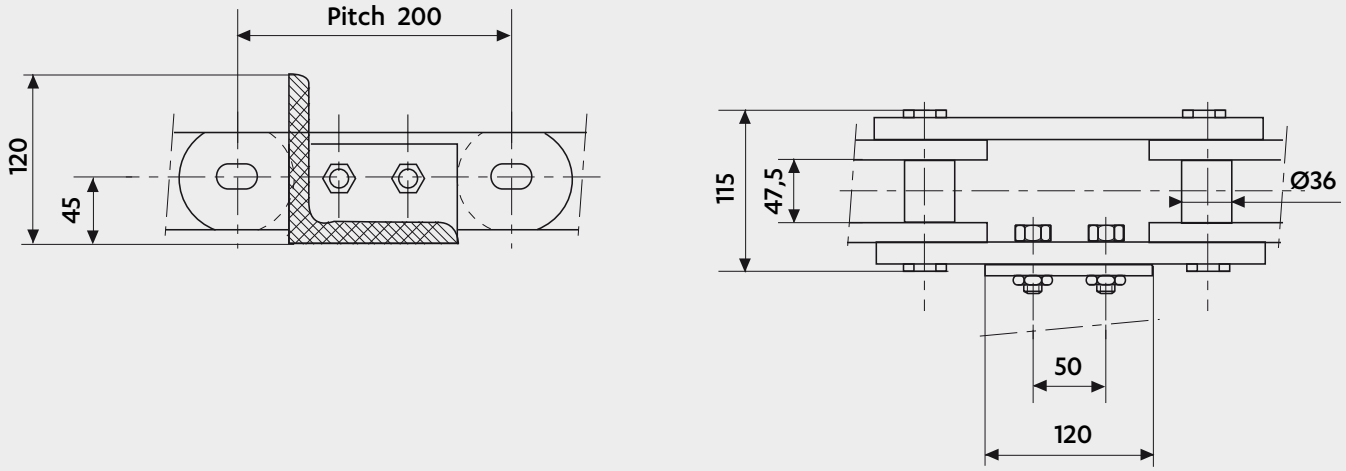
SLAT SCRAPER CONVEYOR FOR BARK TRANSPORT

5308-89



ALSO EXISTS WITH SCREWED AND WELDED ATTACHMENTS:

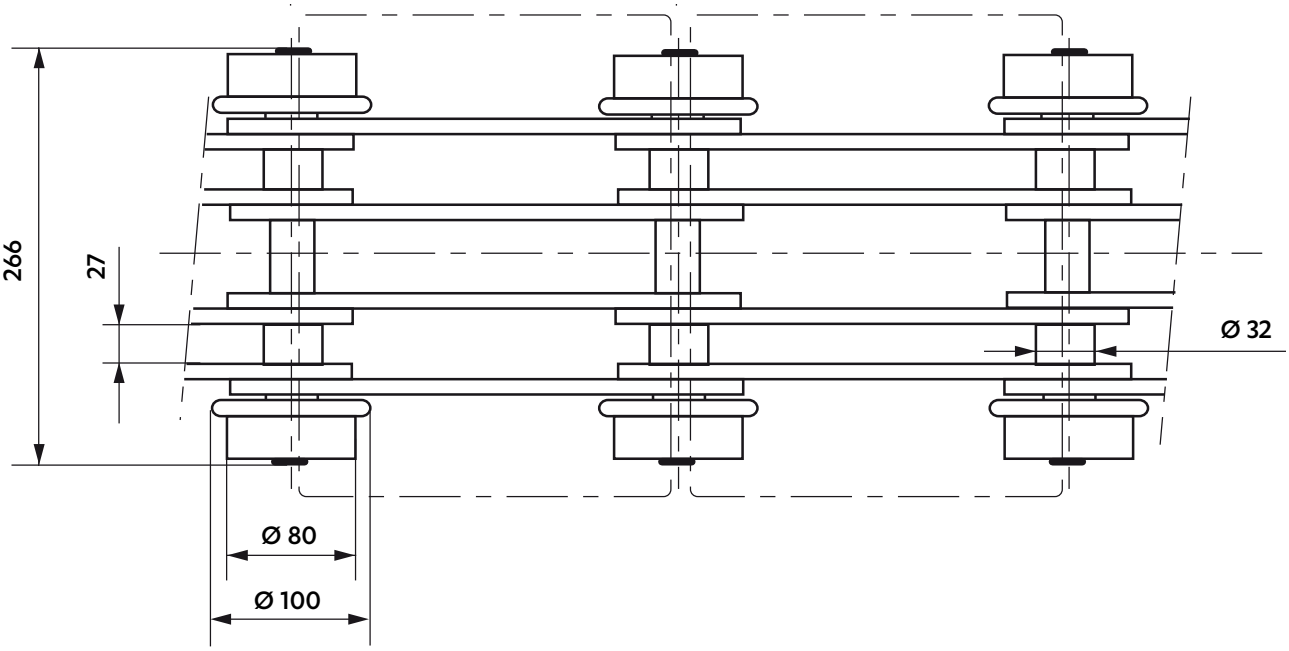
5308-45

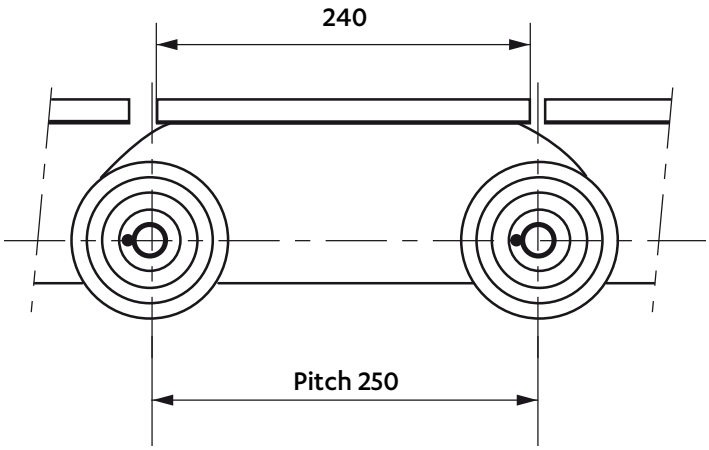


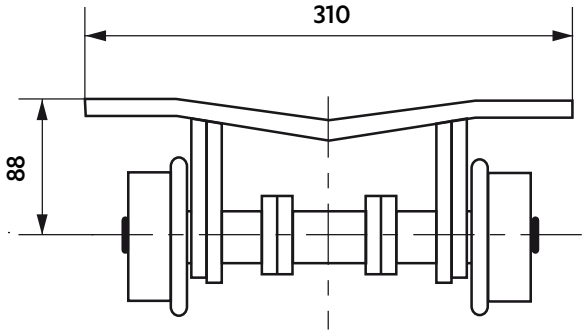
Dimensions in mm

TOP PLATE CONVEYOR CHAIN FOR PAPER REELS TRANSPORT

5343-15
Breaking load : 350 kN







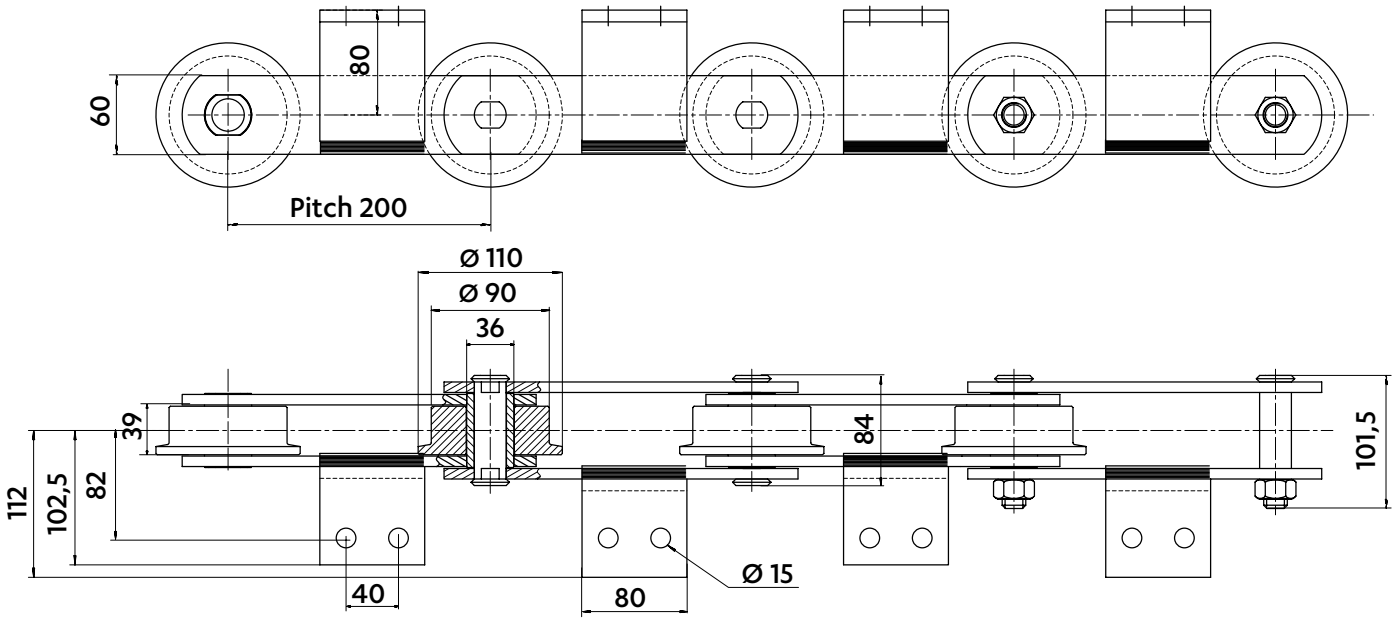
CHAINS FOR THE PAPER INDUSTRY

Dimensions in mm

CONVEYOR CHAINS FOR PAPER REELS TRANSPORT

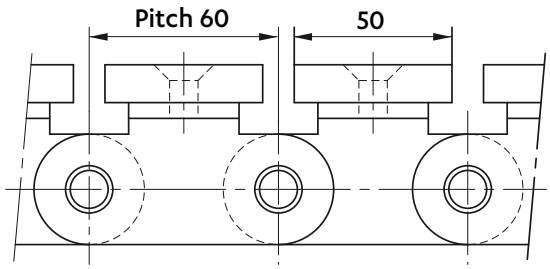
5308-35

slat conveyor with 2 chains in parallel



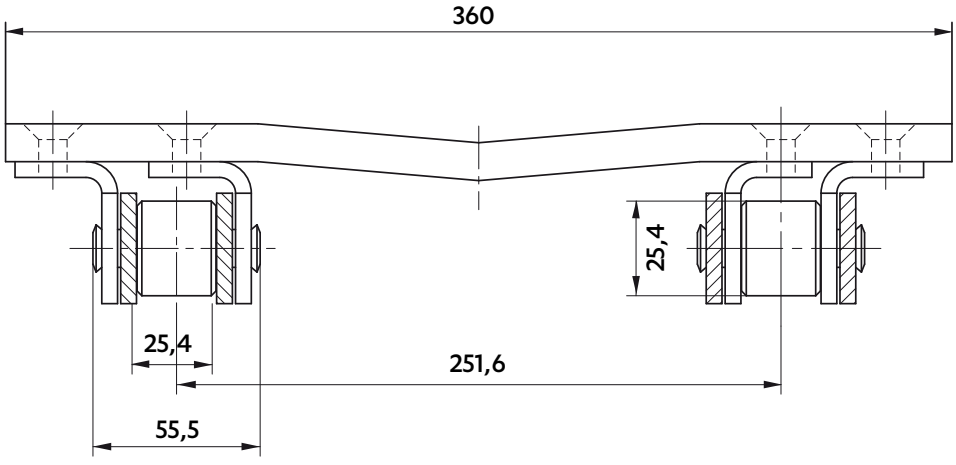
5787-03
Breaking load : 100 kN

Top plates with sliding coating



1/2 INNER LINK VIEW

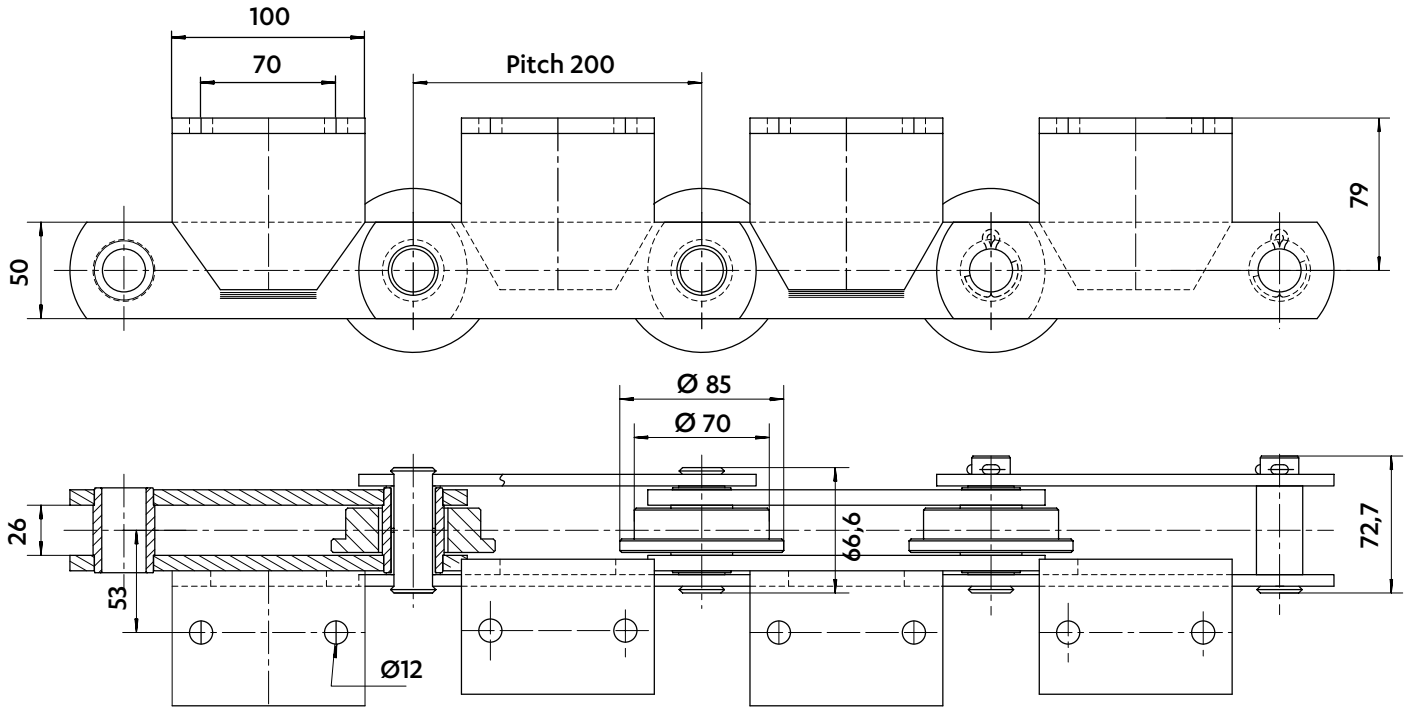
1/2 OUTER LINK VIEW

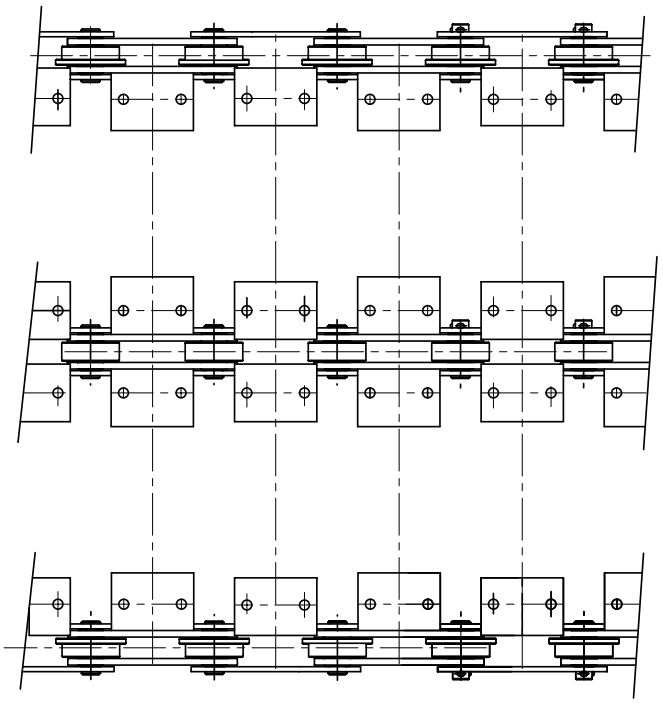


Dimensions in mm

THREE-CHAIN CONVEYOR FOR PAPER REELS TRANSPORT

5689-09 / 5689-10
Breaking load : 150 kN



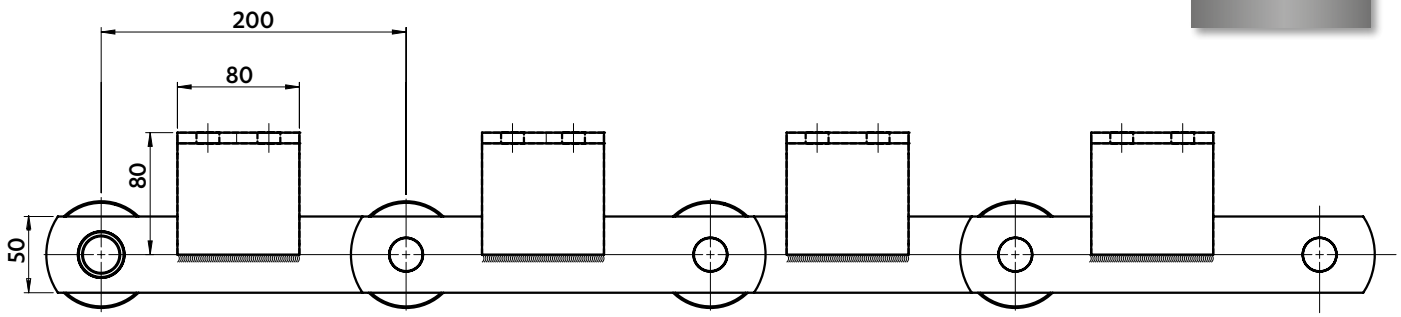


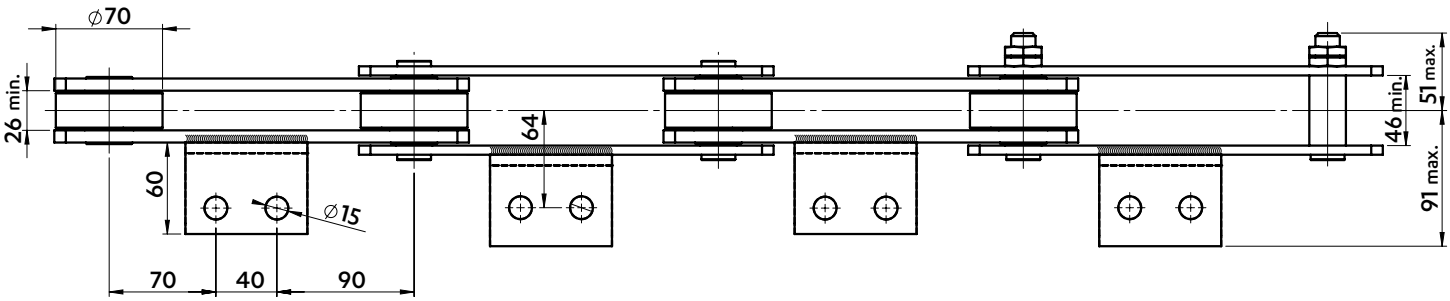
CHAINS FOR THE PAPER INDUSTRY

Dimensions in mm

CHAIN FOR PULP PROCESSING

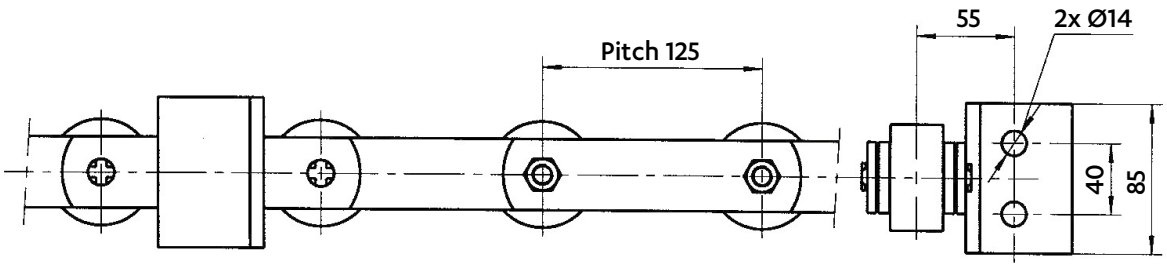
5765-08

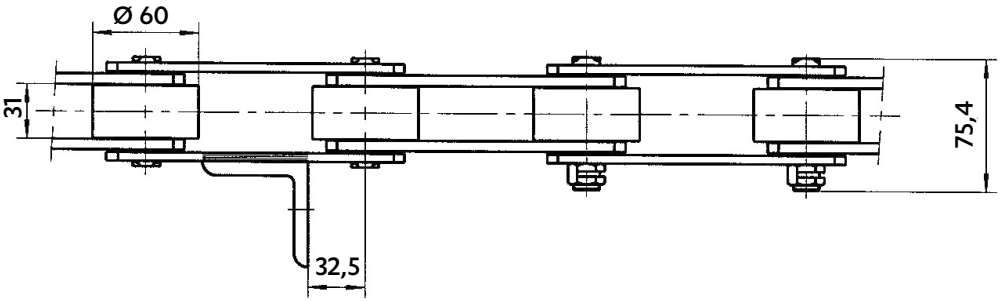




CHAIN WITH F2 ATTACHMENTS

5301-47
Breaking load : 130 kN

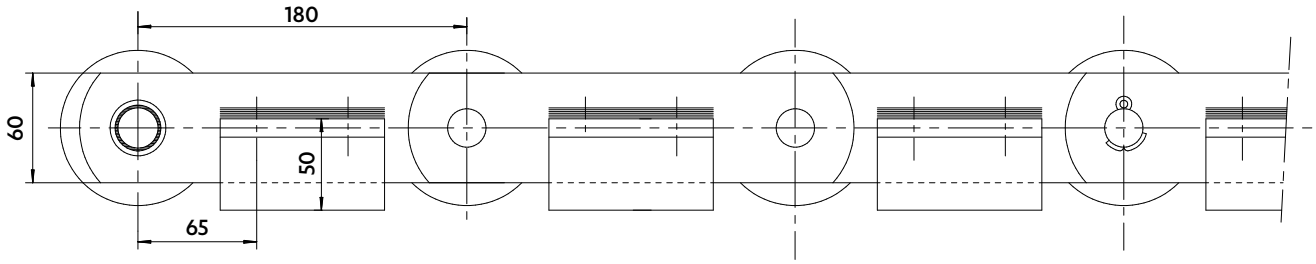


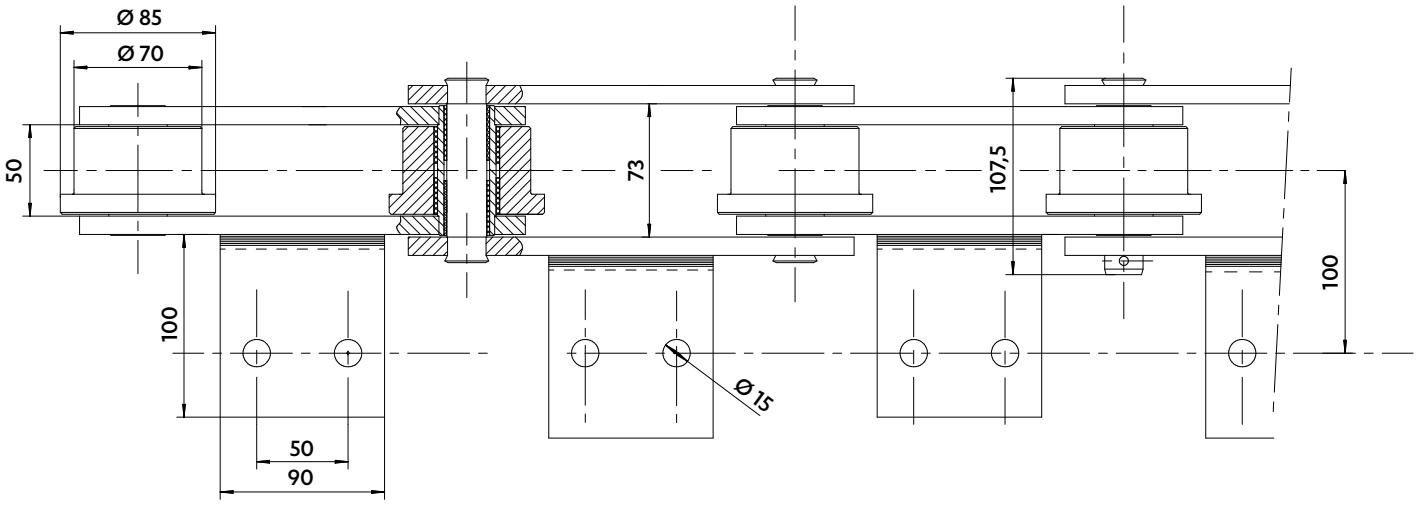


Dimensions in mm

CHAIN FOR PAPER PROCESSING

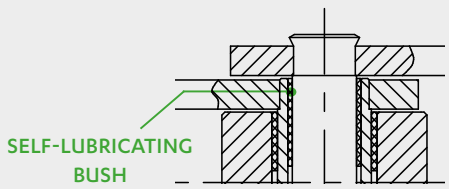
5408-26



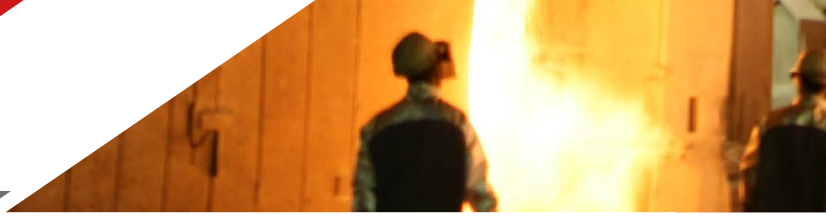


SEDIS solution

DELTA VERTE® CHAIN



- Corrosion resistance in harsh environment
- Increased wear resistance (DELTA® pins)
- No contamination by lubrication oil
- Prevents maintenance



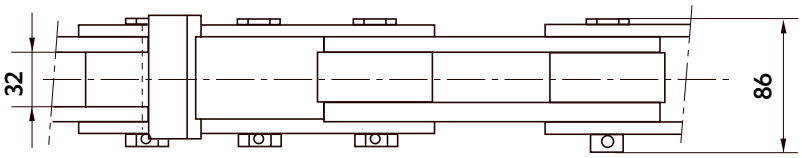
CHAINS FOR THE STEEL INDUSTRY

Dimensions in mm

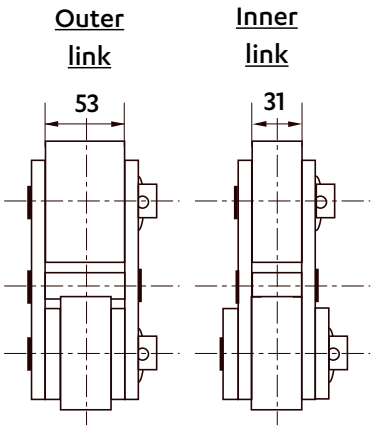
CHAIN FOR TUBE TRANSPORT

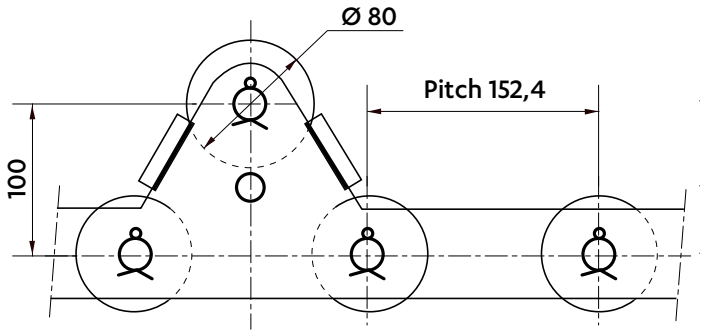
5784-01
Breaking load : 225 kN

Pushing blocks equipped with wheels for tube transport, their load being spread over several chains.

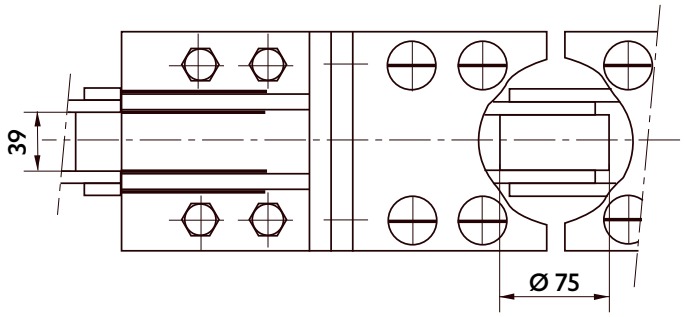


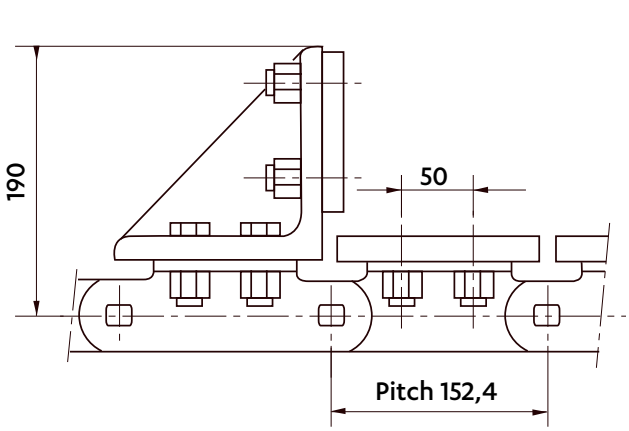
PUSHING BLOCK ON

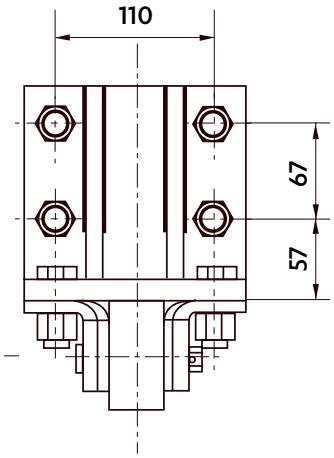




5784-02
Breaking load : 250 kN





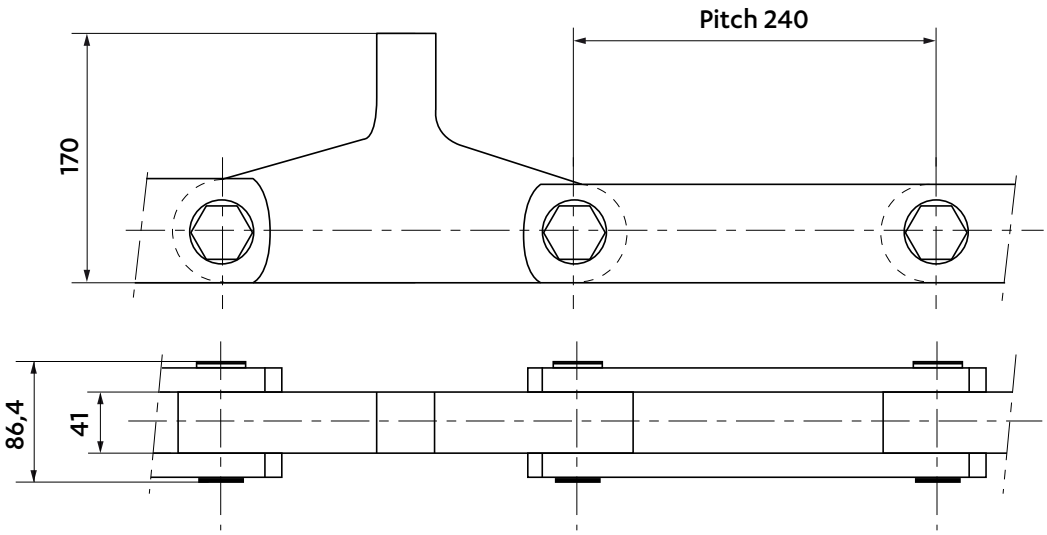


Dimensions in mm

PUSHING CHAINS

5280-01
Breaking load : 630 kN

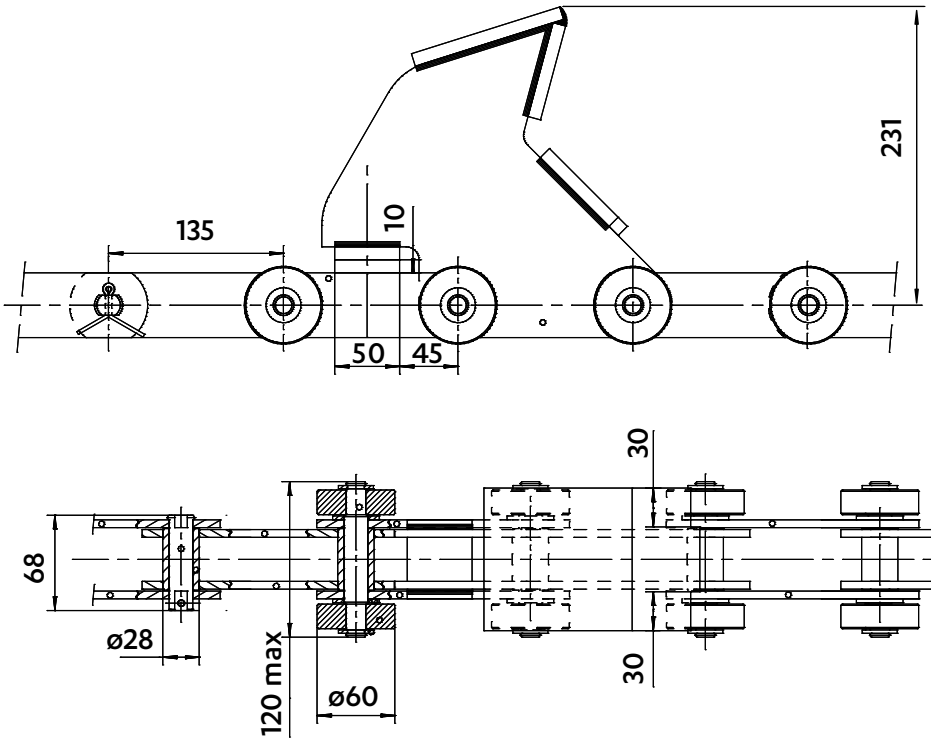
Block chain with fixed solid pushers

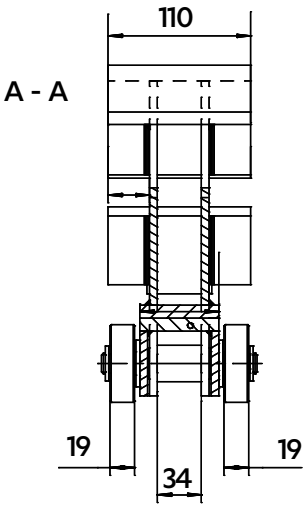


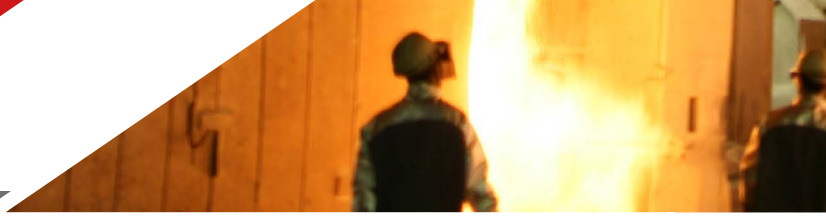
CHAIN FOR TUBE ELEVATOR

5707-13
Breaking load : 350 kN

Chain fitted with extended pins with guiding wheels and flanged plates for tube conveying; their load being spread over several chains.





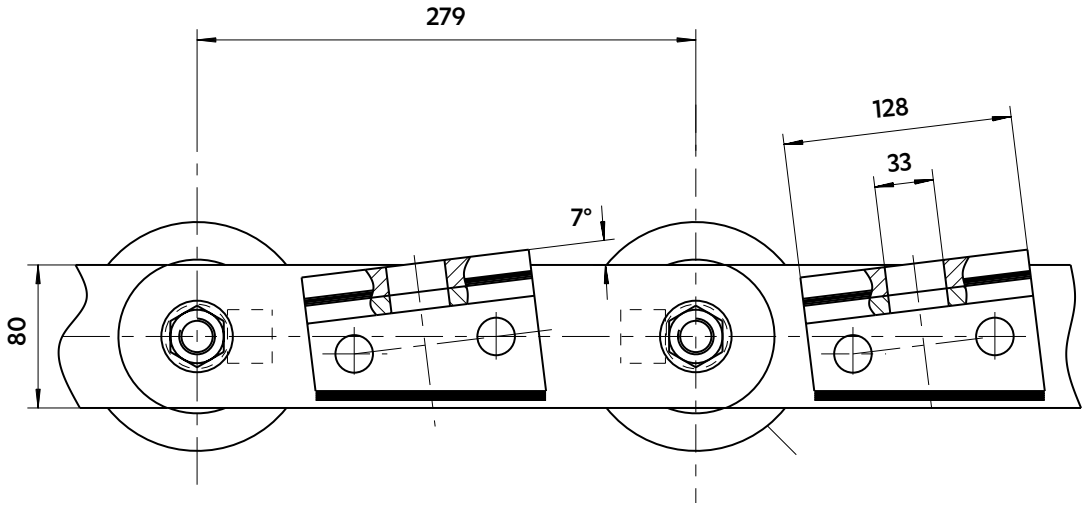


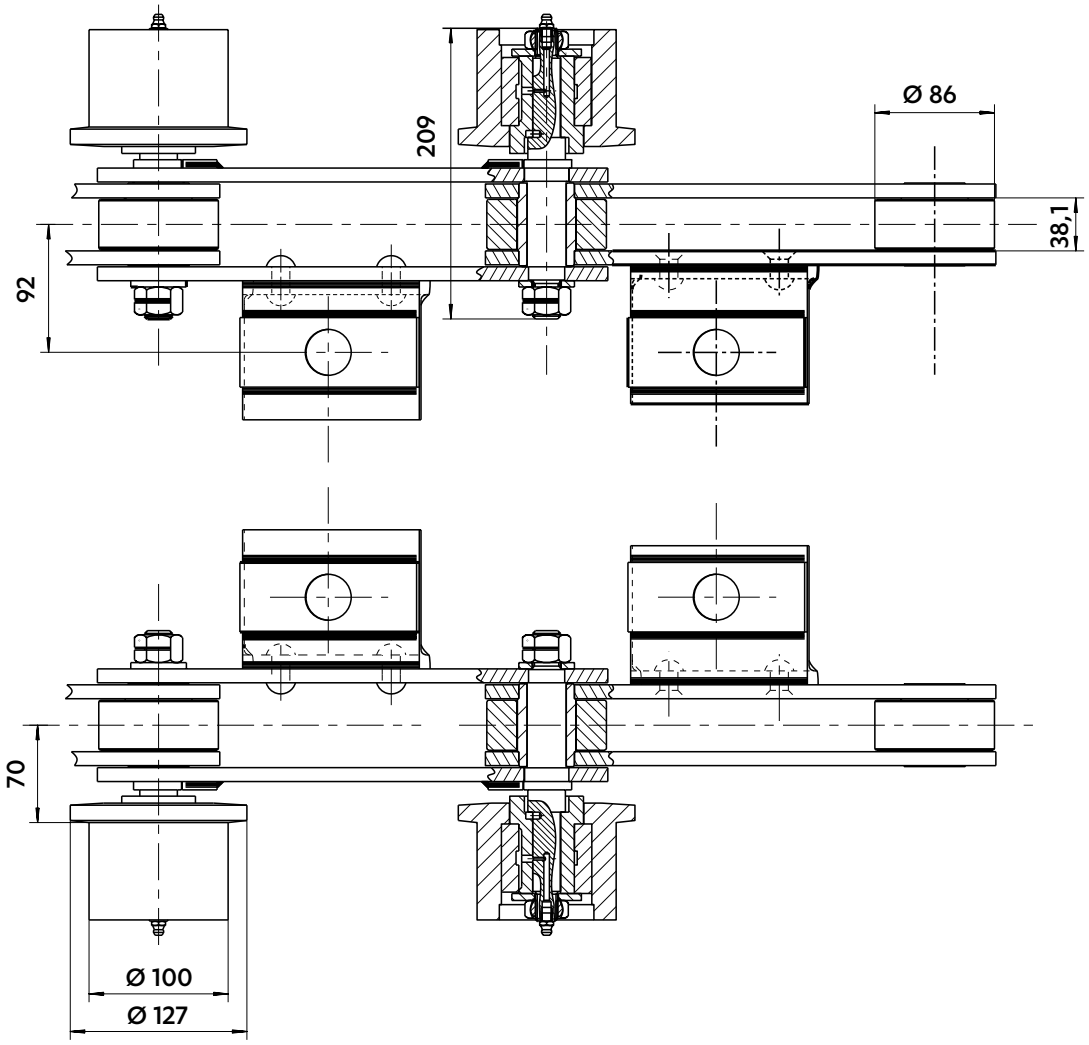
CHAINS FOR THE STEEL INDUSTRY

Dimensions in mm

TRANSPORT OF INGOLT MOULD

5851-01
Breaking load : 350 kN

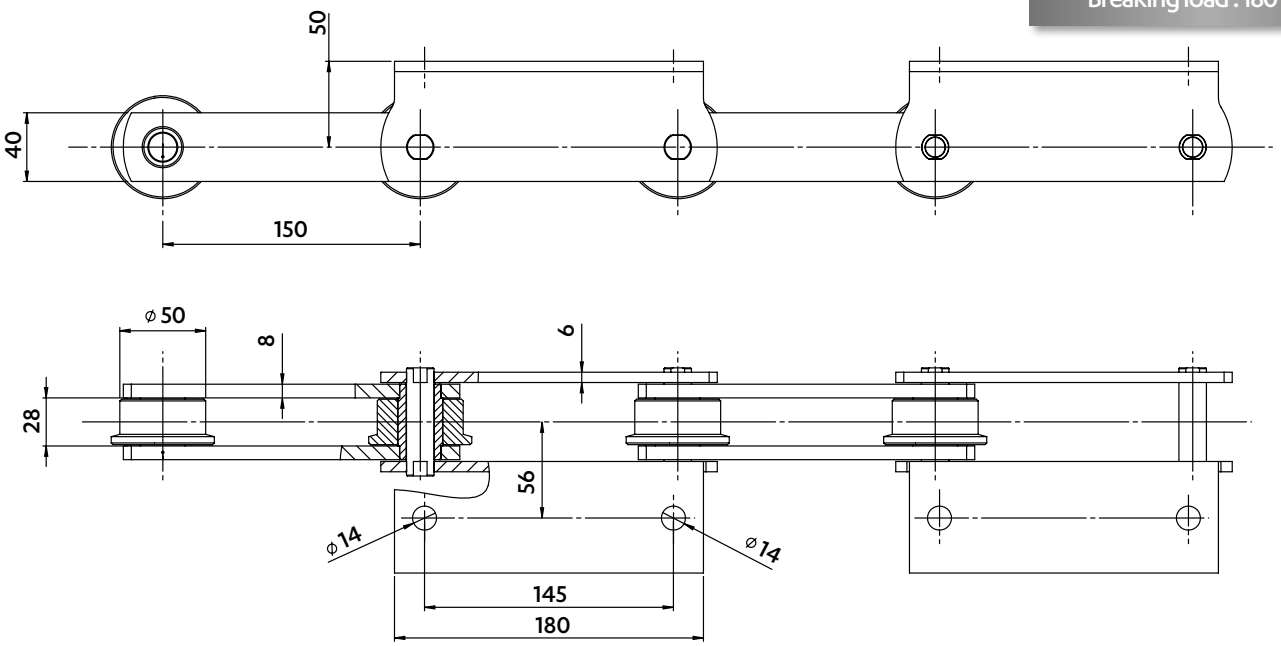




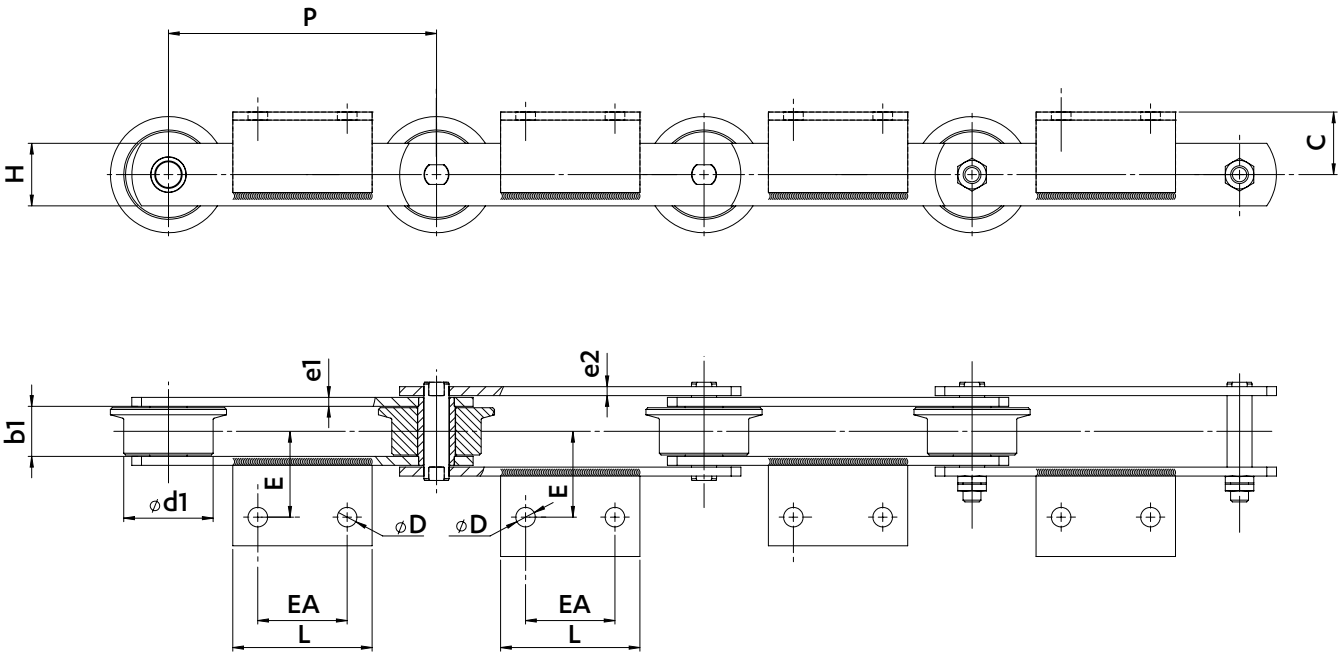
Dimensions in mm

TRANSPORT OF INGOLT MOULD

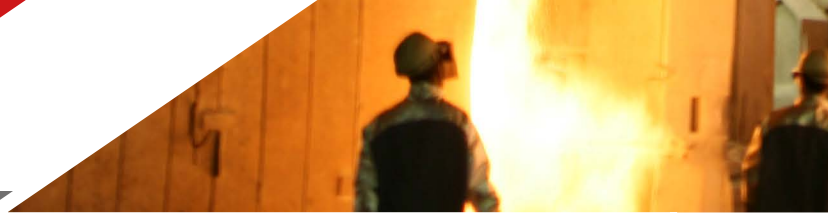
5461-17
Breaking load : 180 kN



CHAIN FOR INGOLT MOULD



Chain ref	Pitch P	Width between inner plates b1	Plates height H	Inner plates thickness e1	Outer plates thickness e2	Attachments C	Attachments Ø D	Attachments L	Attachments E	Attachments EA	Wheel Ø d1	Min. breaking load kN
5461-06			40	6	6							180
5461-65	150	28	35	5	5	35	11	78	48	50	50	120
5421-74			35	5	5							80
5408-71	180	29	40	6	6		12,5	80	54	40		180



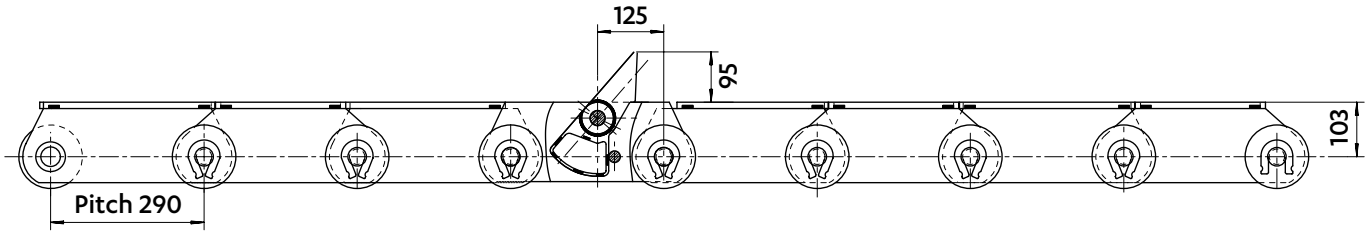
CHAINS FOR THE STEEL INDUSTRY

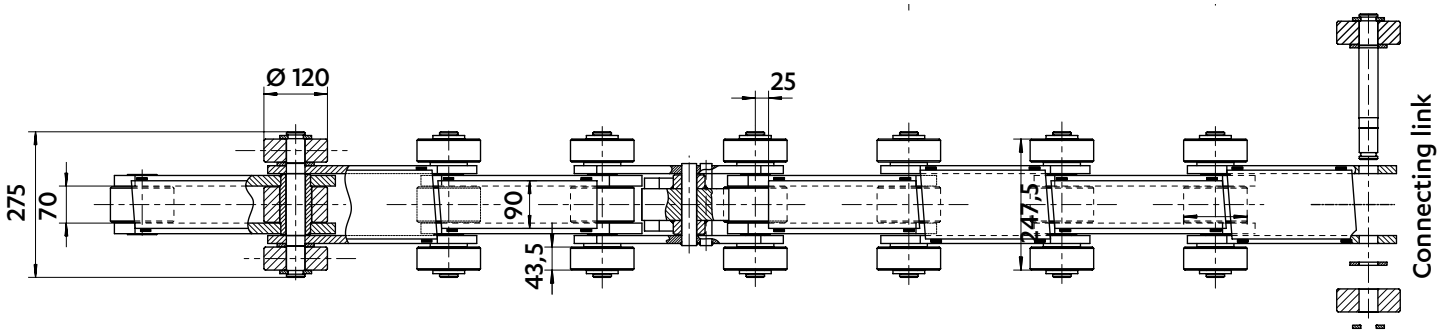
Dimensions in mm

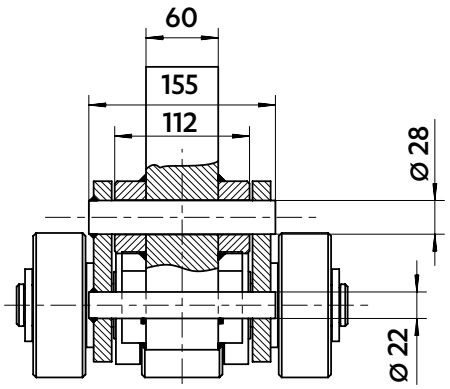
CHAIN FOR TRANSPORT OF HOT BILLETS INTO A COOLER

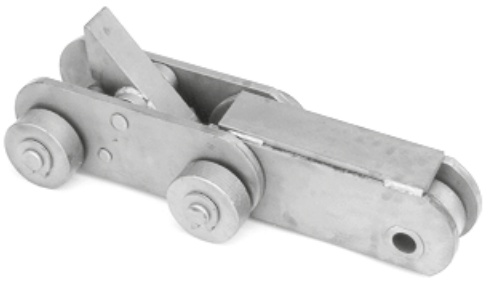
5837-02
Breaking load : 1300 kN

Chain equipped with extended pins with carrying wheels to support heavy loads (88T on 6 chains).
The chain is made of deep link plates, bridges and tilting blocks.





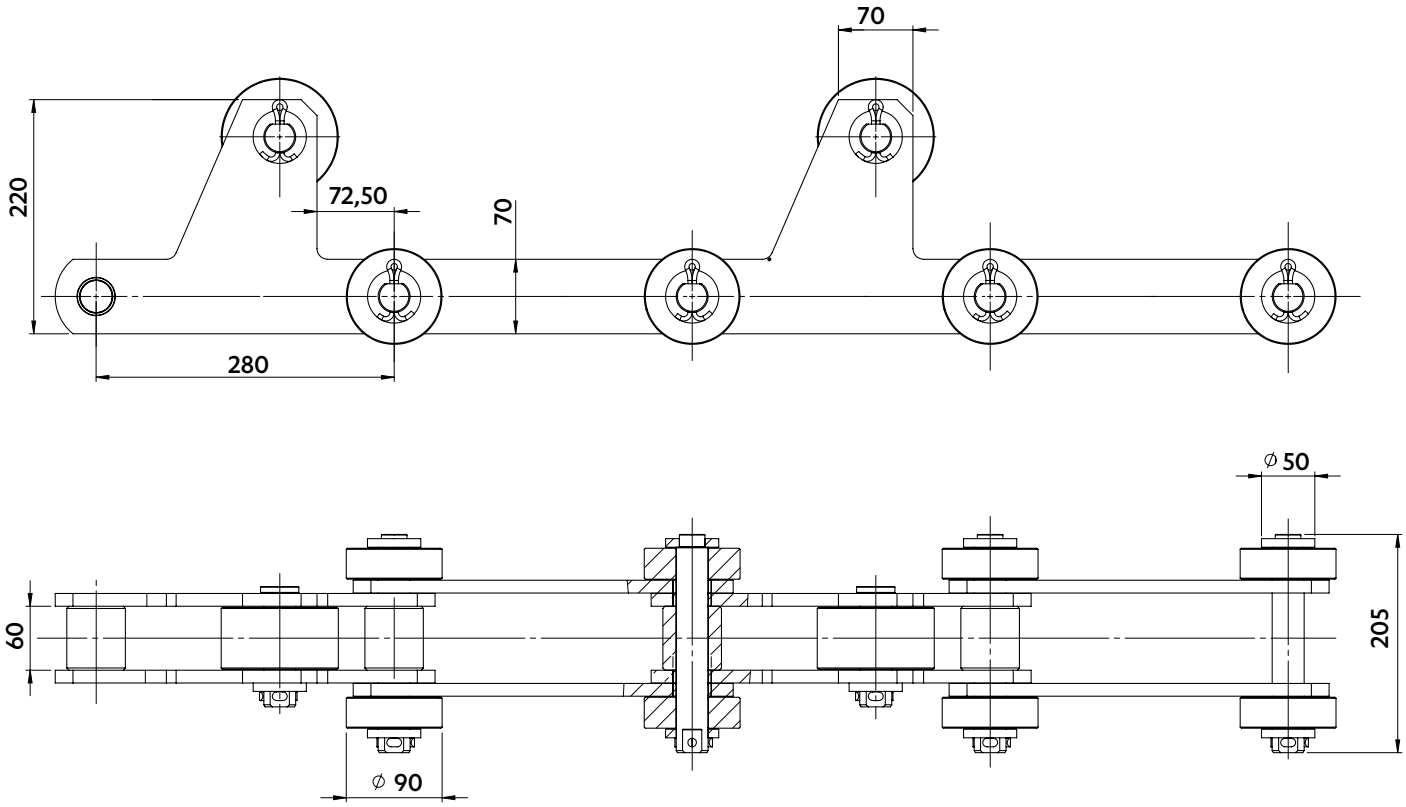




Dimensions in mm

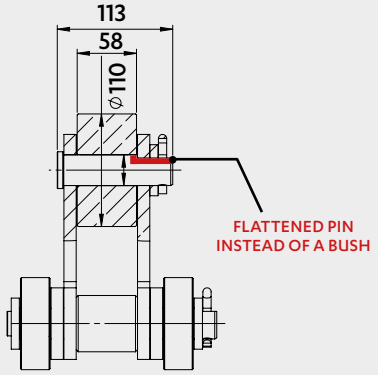
CHAIN FOR COOLER

5851-06

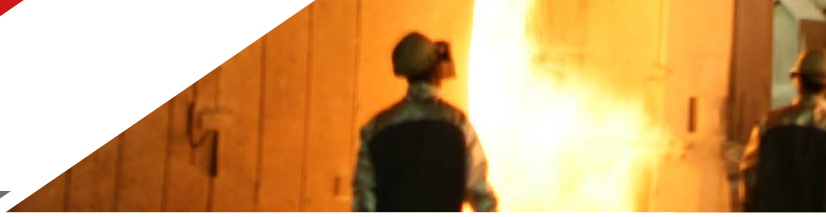


SEDIS solution

REMOVAL OF BUSHES & FLATTENED PINS



- Wheel continuously rolling
- Improved rolling resistance pin/wheel
- Enhanced service life of the chain

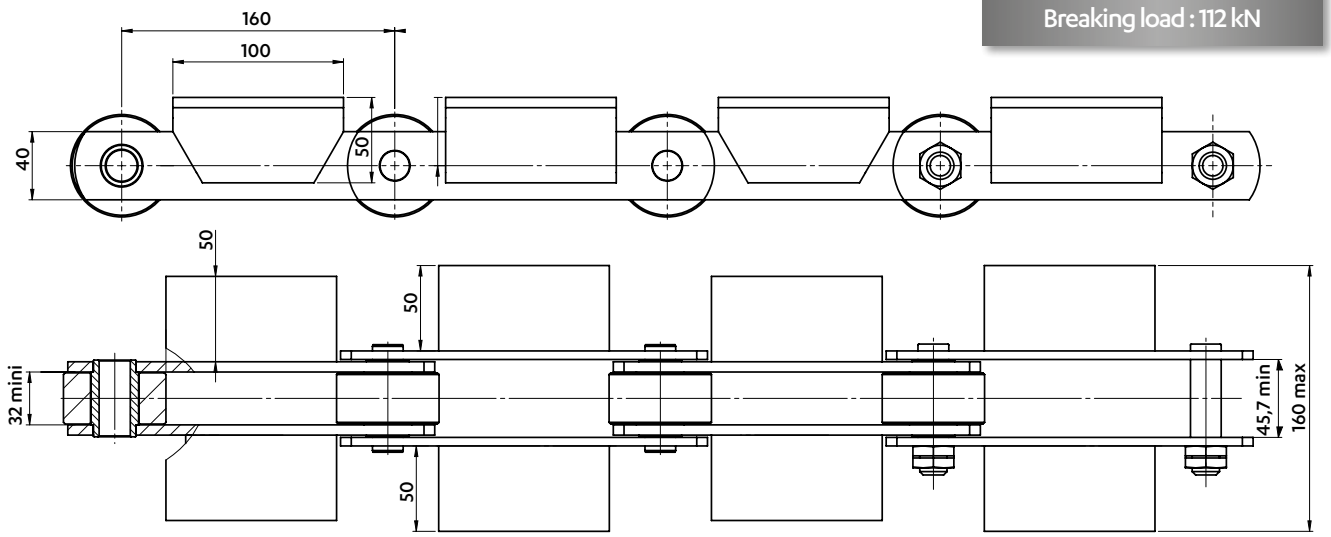


CHAINS FOR THE STEEL INDUSTRY

Dimensions in mm

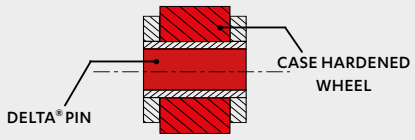
CHAINS FOR ANODES TRANSPORT

5195-57
Breaking load : 112 kN

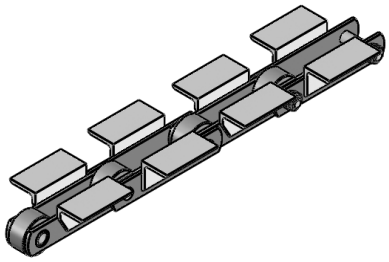


SEDIS solution

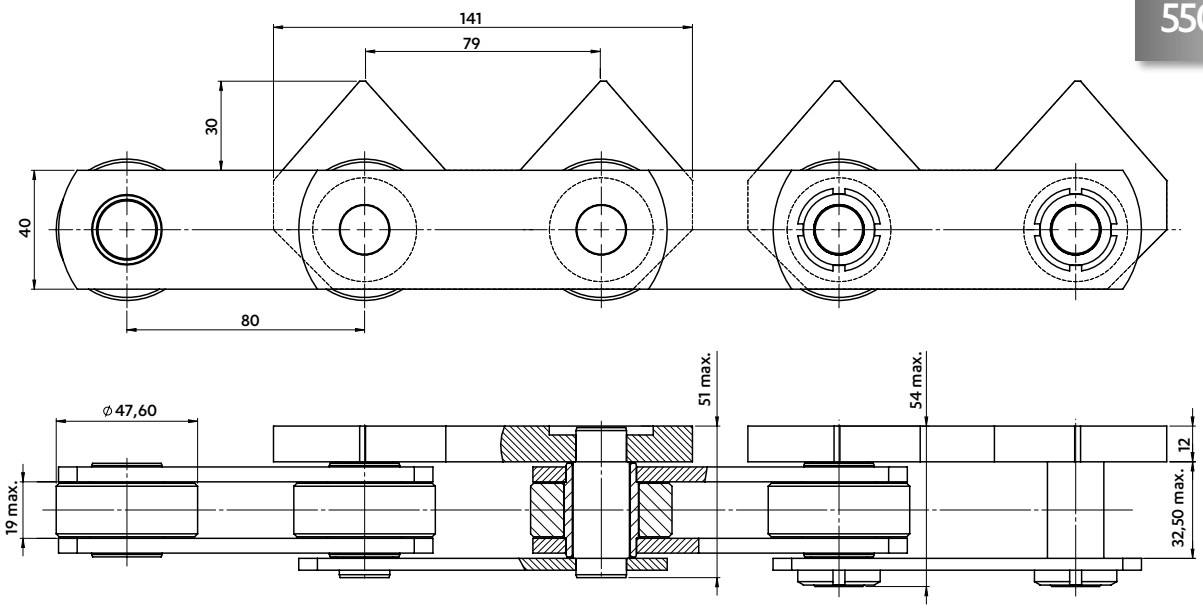
DELTA® PINS, CASE-HARDENED BUSHES & WHEELS



- Increased wear resistance
- Enhanced service life of the chain



5504-71



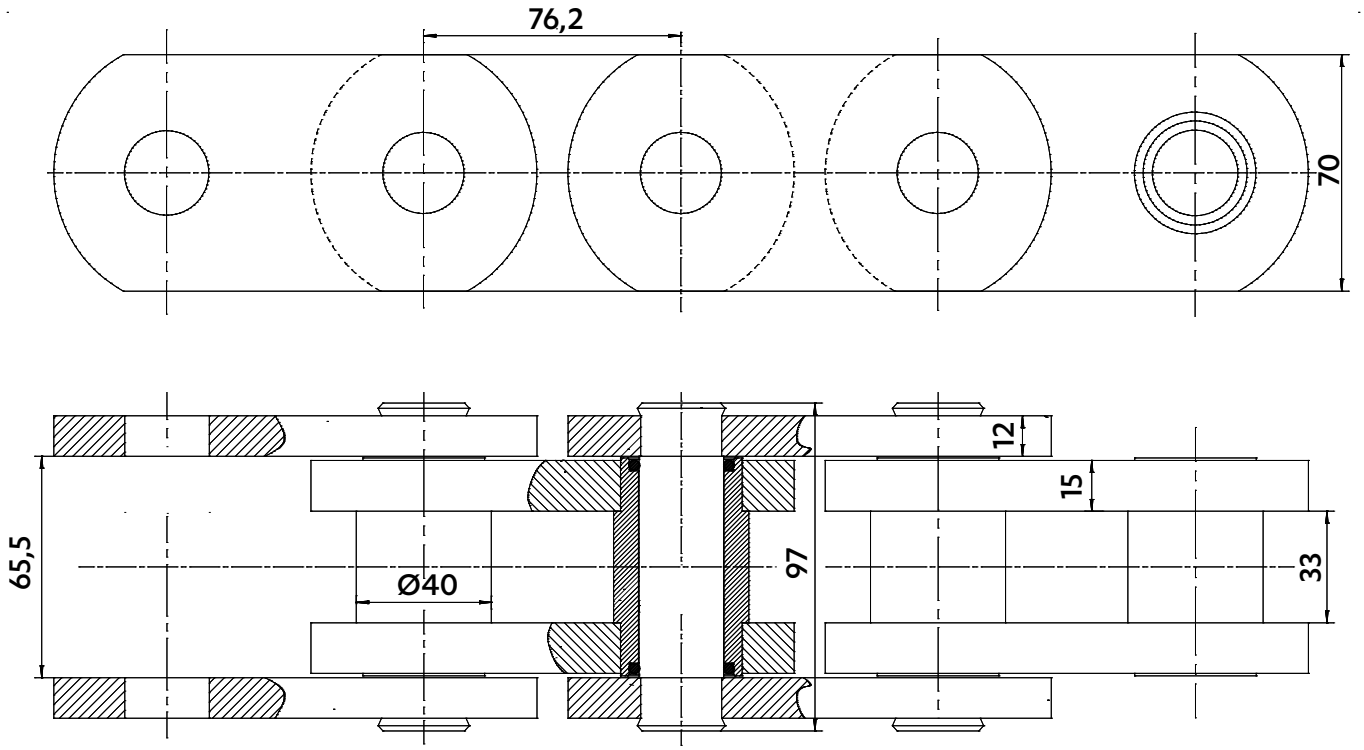
DELTA® ARTICULATION

- Increased wear resistance
- Service life of the chain **x3** (compared to a standard case-hardened articulation)

Dimensions in mm

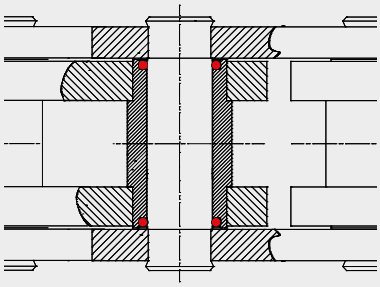
CHAIN FOR SKIP

5379-29



SEDIS solution

SEALS



- Seals the articulation from outside
- Prevents maintenance when it is impossible
- Supplied lubricated

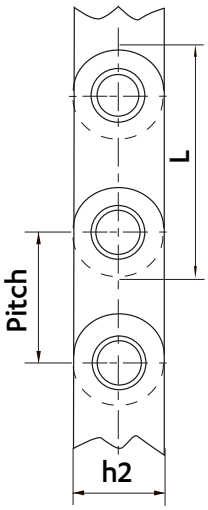
SPECIAL CHAINS

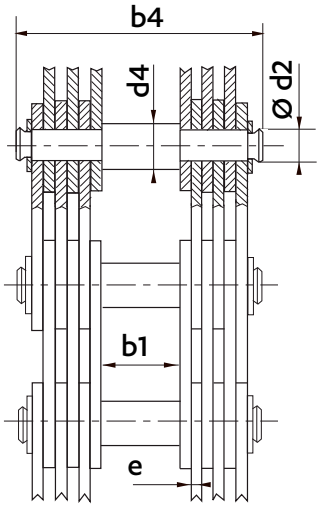
ENERGY

CHAINS FOR DAMS

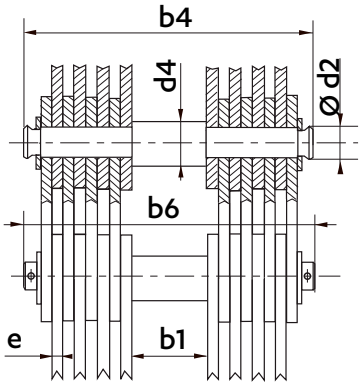
Dimensions in mm

GALLE LEAF CHAINS FOR DAM GATES





TRIPLEX



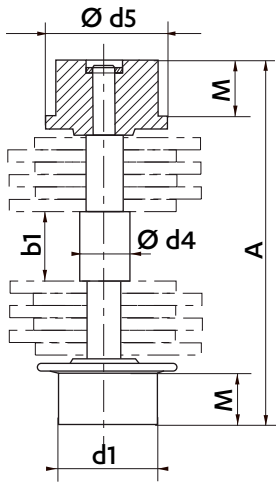
QUADRUPLEX

Min. breaking load	Pitch	PINS					PLATES			Weight
		Diameter	Extended diameter	Width between inner plates	WIDTH: Over riveted pins	WIDTH: Over cottered pins	Thickness	Height	Length	
kN	P	D4	d2	b1	b4	b6	e	h2	L	kg
TRIPLEX										
375	70	28	25.2	35.0	101	-	4	60	134	24
500	75	30	27.0	37.5	120	-	5	60	144	33
625	85	34	30.6	44.0	141	-	6	70	164	43
750	95	38	34.2	48.0	145	-	6	80	182	50
1000	105	42	37.8	53.0	165	-	7	90	202	65
1250	120	48	43.2	60.0	185	-	8	100	230	80
1600	135	54	48.6	68.0	209	-	9	110	260	100
QUADRUPLEX										
2000	150	60	54	75	219	-	7	130	288	125
2500	170	70	62	90	275	-	9	140	330	170
3000	185	74	67	93	280	-	9	150	355	175
3500	205	82	74	103	310	-	10	160	393	220
4000	225	90	81	113	-	367	11	180	431	270
5000	250	100	90	125	-	403	12	200	480	325

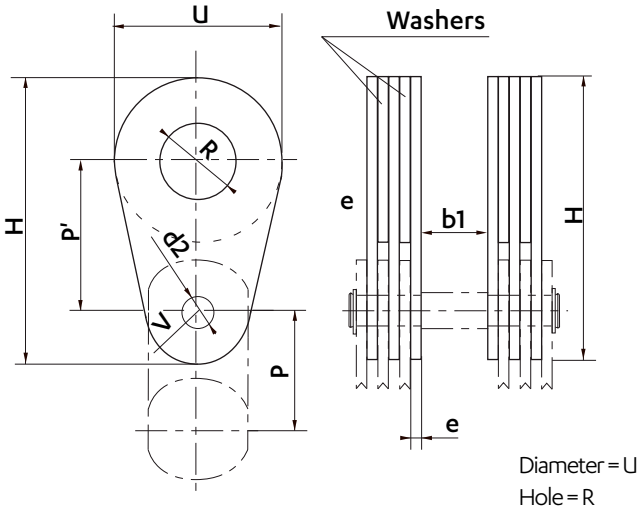
Dimensions in mm

GALLE LEAF CHAINS FOR DAM GATES

BEARING PINS WITH OUTBOARD WHEELS



SPECIAL ATTACHMENT PLATES WITH WASHERS



Diameter = U
Hole = R
Thickness = e

TRIPLEX & QUADRUPLEX

TRIPLEX & QUADRUPLEX

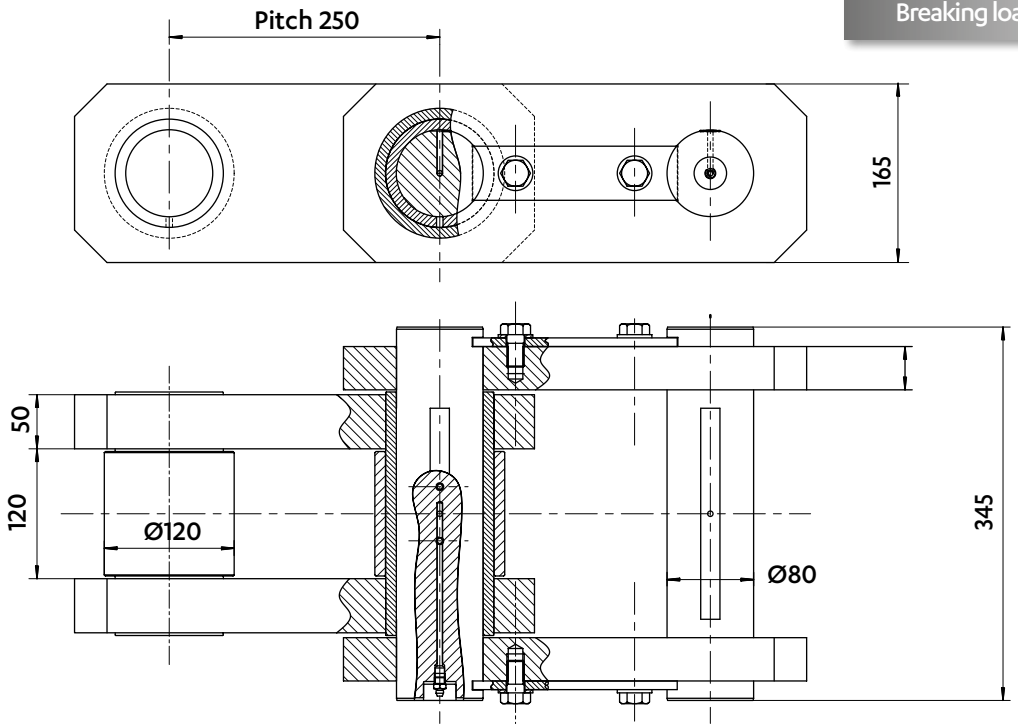
Min. breaking load	Pitch	BEARING PINS				Extra weight per outboard wheel	SPECIAL ATTACHMENT PLATES						Unit weight of special plates	Unit weight of washers
		Shouldered Ø	Wheel Ø	Wheel length	Overall Width		Pitch	Ø on chain	Setting hole Ø	Rear radius	Front Ø	Total length		
kN	P	d5	d1	M	A	kg	P'	d2	R	V	u	H	kg/p	kg/p
TRIPLEX														
375	70	56	42	18,0	148,0	0,7	105	25,3	50,5	35,0	100	190	0,32	0,19
500	75	60	45	20,0	182,5	1,0	115	27,2	55,0	35,0	110	205	0,56	0,29
625	85	70	50	23,0	207,0	1,2	130	30,8	60,0	40,0	120	230	0,83	0,40
750	95	80	60	25,5	220,0	1,9	145	34,4	65,0	43,5	130	254	1,00	0,47
1000	105	90	65	27,5	242,0	2,4	160	38,0	75,0	48,5	150	284	1,47	0,73
1250	120	100	75	33,0	274,0	3,6	180	43,4	80,0	55,5	160	316	2,10	0,95
1600	135	110	80	38,5	311,0	4,5	205	48,8	90,0	62,5	180	358	3,00	1,35
QUADRUPLEX														
2000	150	120	90	40,5	330,0	6,1	230	54,2	110,0	70	220	410	3,10	1,56
2500	170	140	100	45,5	399,0	8,9	265	63,2	120,0	80	250	470	5,25	2,65
3000	185	140	110	51,0	413,0	10,0	280	67,2	130,0	85	280	505	6,20	3,40
3500	205	150	120	57,0	464,0	14,5	310	74,2	140,0	95	300	555	8,30	4,30
4000	225	170	135	61,0	501,0	17,5	340	81,2	150,0	105	320	605	10,70	5,40
5000	250	190	150	70,0	553,0	26,5	380	90,2	160,0	115	340	665	13,90	6,55

CHAINS FOR DAMS

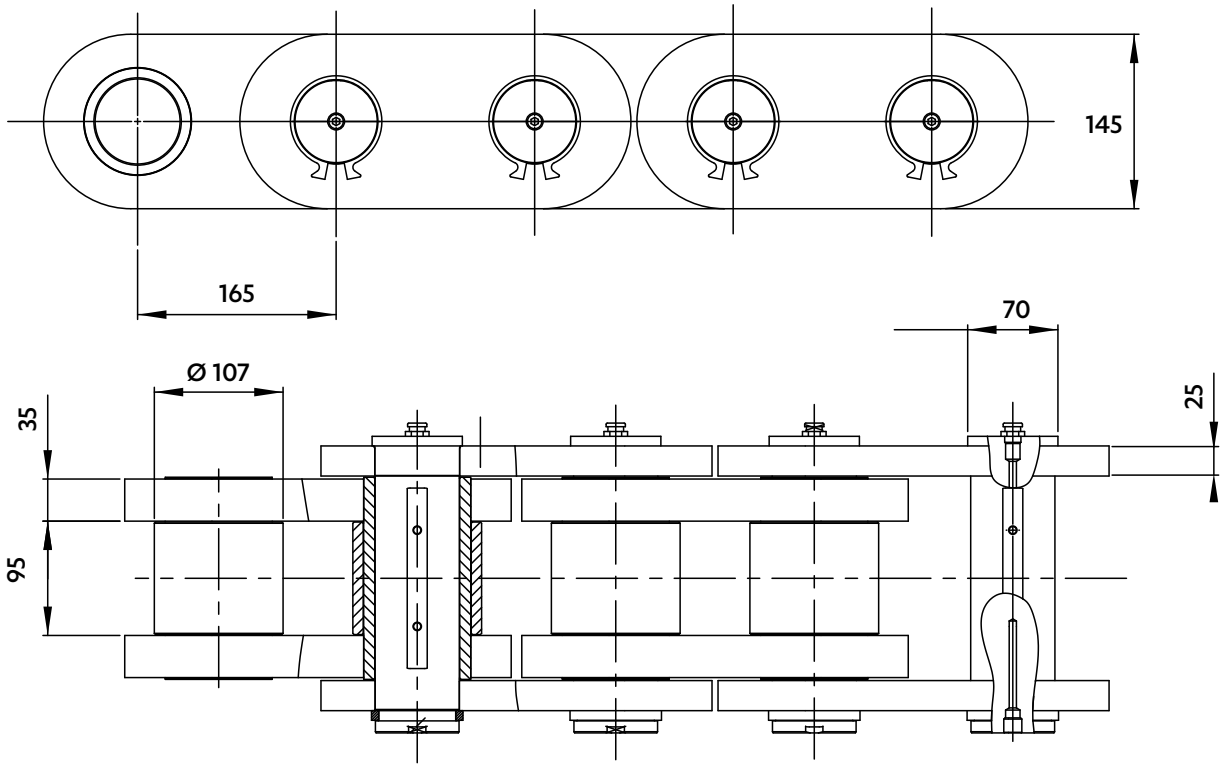
Dimensions in mm

CHAINS FOR STORM SURGE BARRIERS

5343-48
Breaking load : 4415 kN



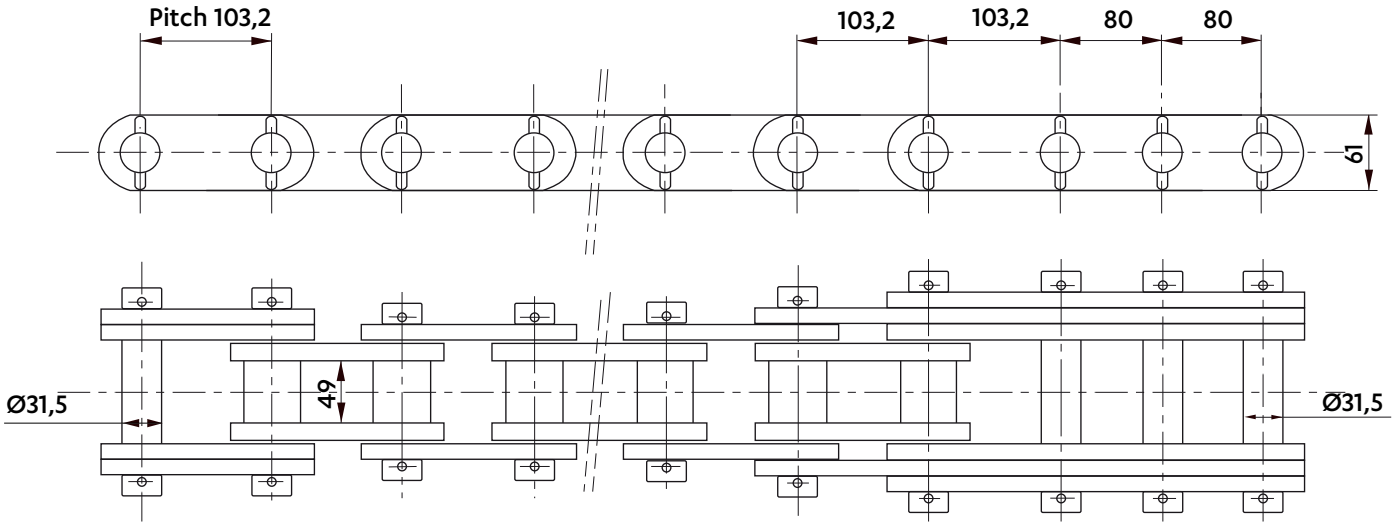
5974-02
Breaking load : 3400 kN



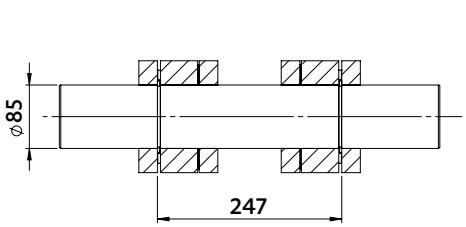
Dimensions in mm

CHAINS FOR DAM GATES

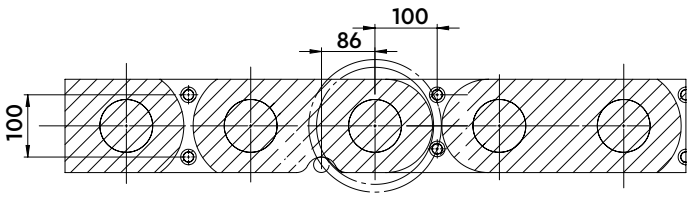
5835-01
Breaking load : 442 kN



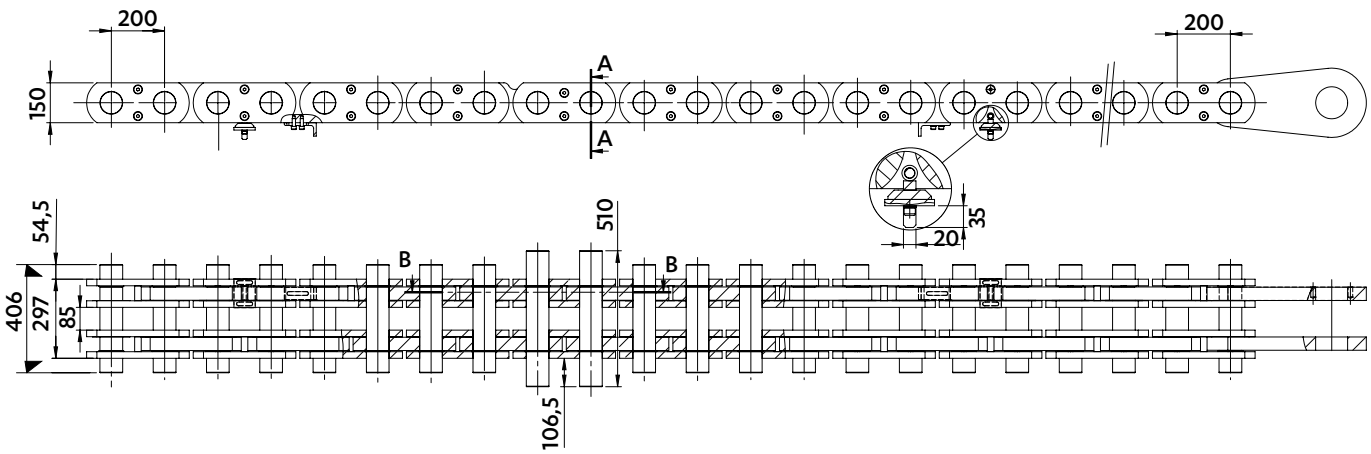
5853-04
Breaking load : 4000 kN



A-A



B-B

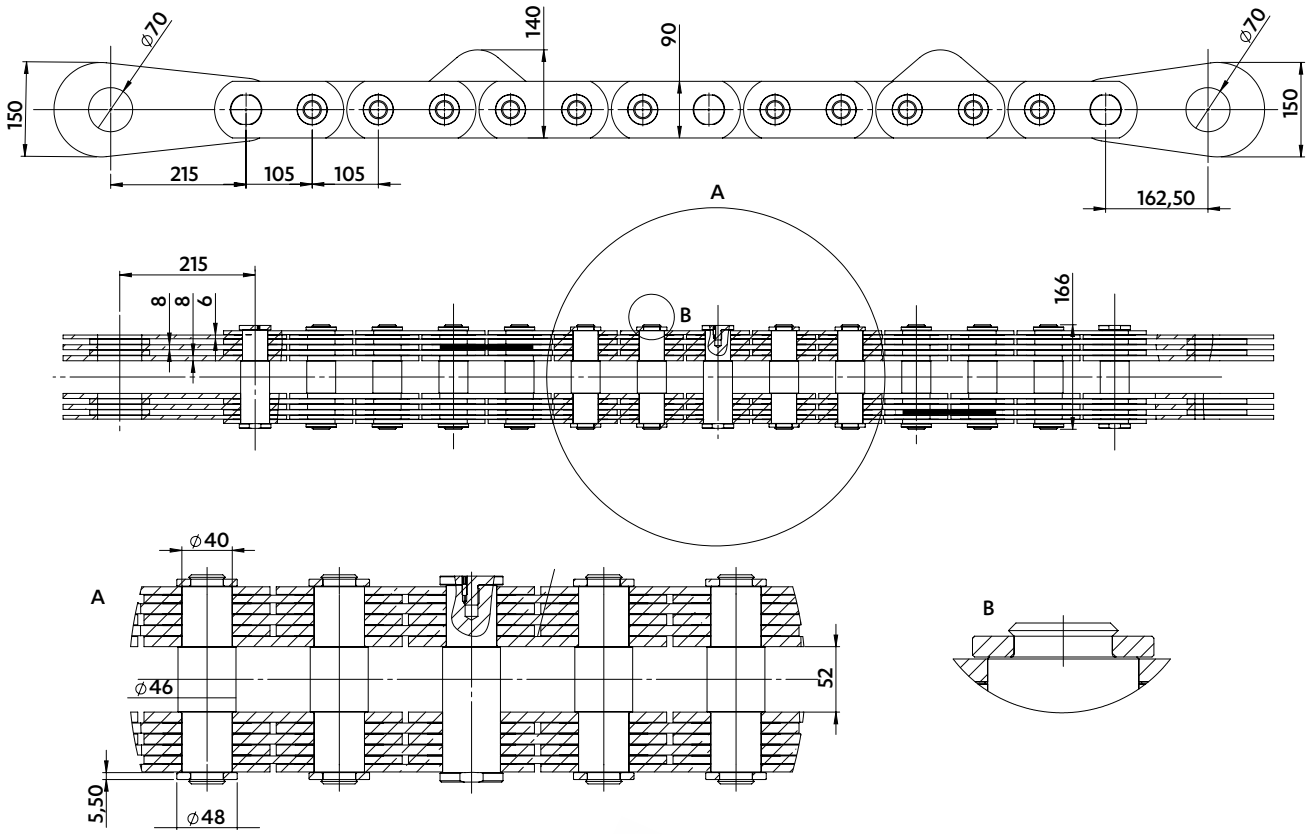


CHAINS FOR DAMS

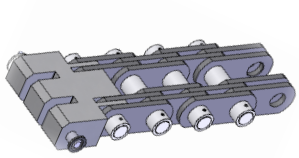
Dimensions in mm

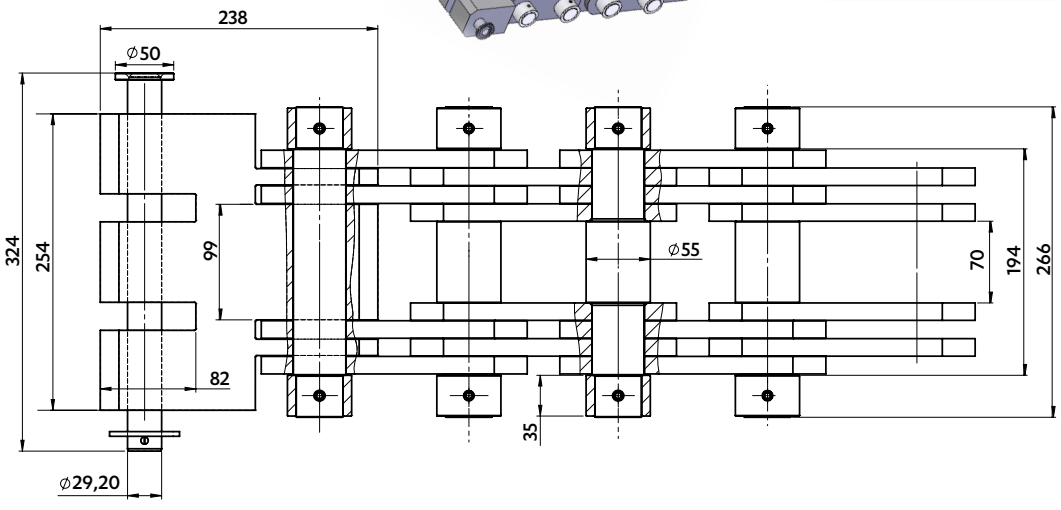
CHAINS FOR DAM GATES

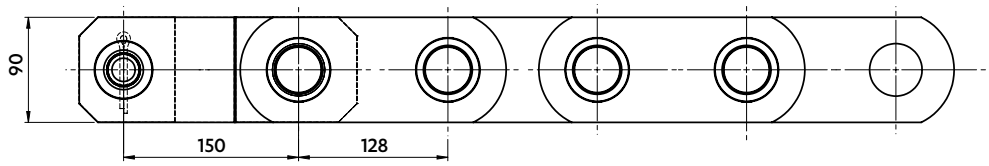
5764-07
Breaking load : 1000kN



5486-13
Breaking load : 1600 kN



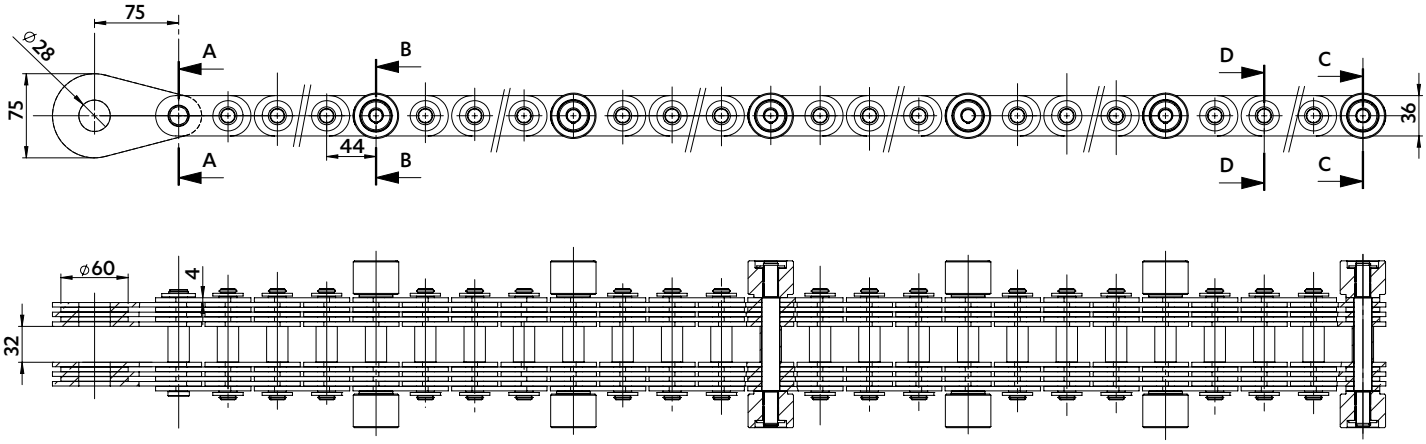




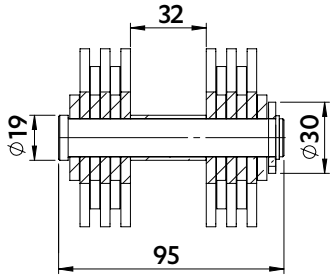
Dimensions in mm

CHAIN FOR DAM GATES

5799-04

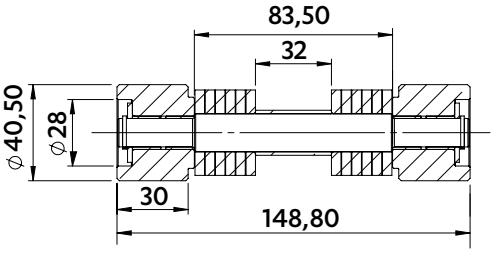


PEAR LINK



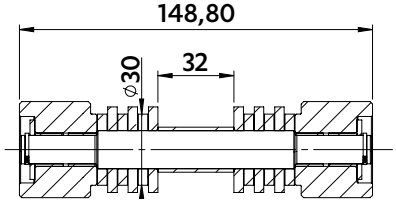
A-A

BEARING LINK



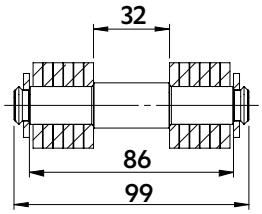
B-B

END LINK



C-C

STANDARD LINK



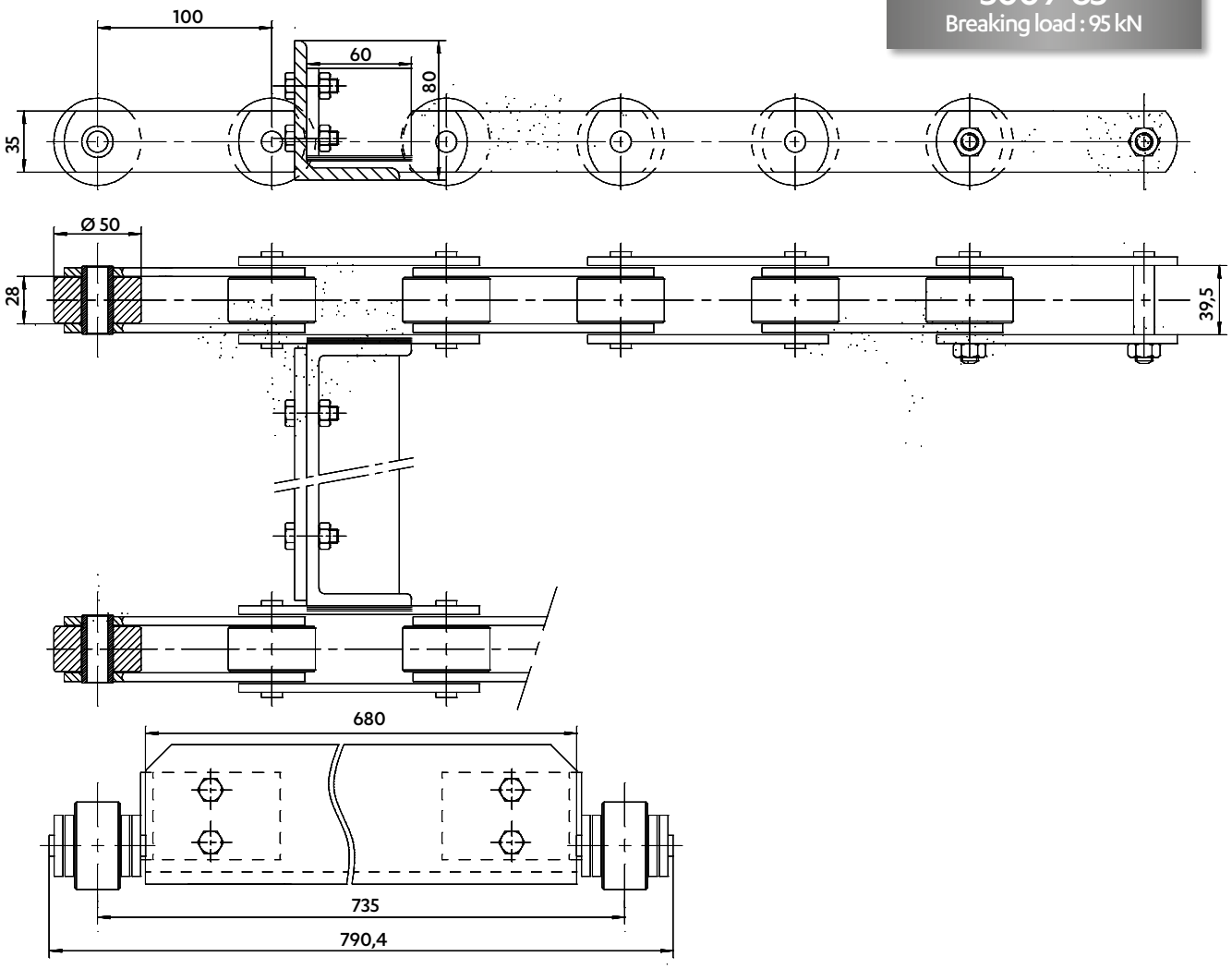
D-D

CHAINS FOR BIOMASS

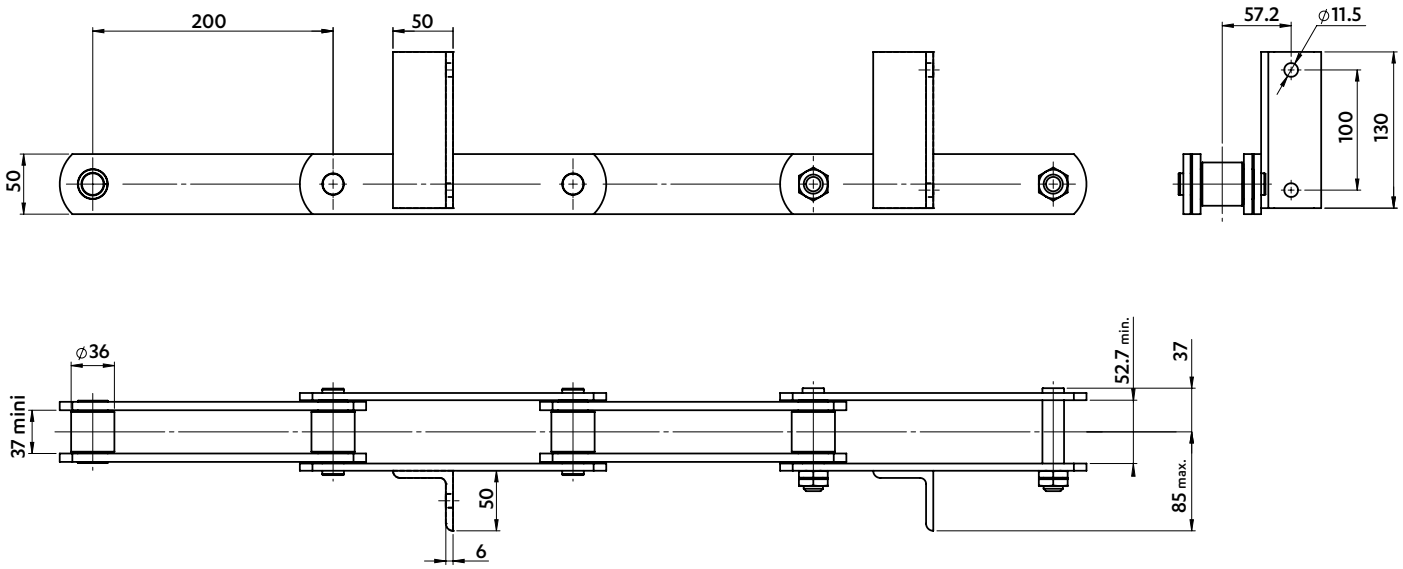
Dimensions in mm

CHAINS FOR BIOMASS

5009-65
Breaking load : 95 kN



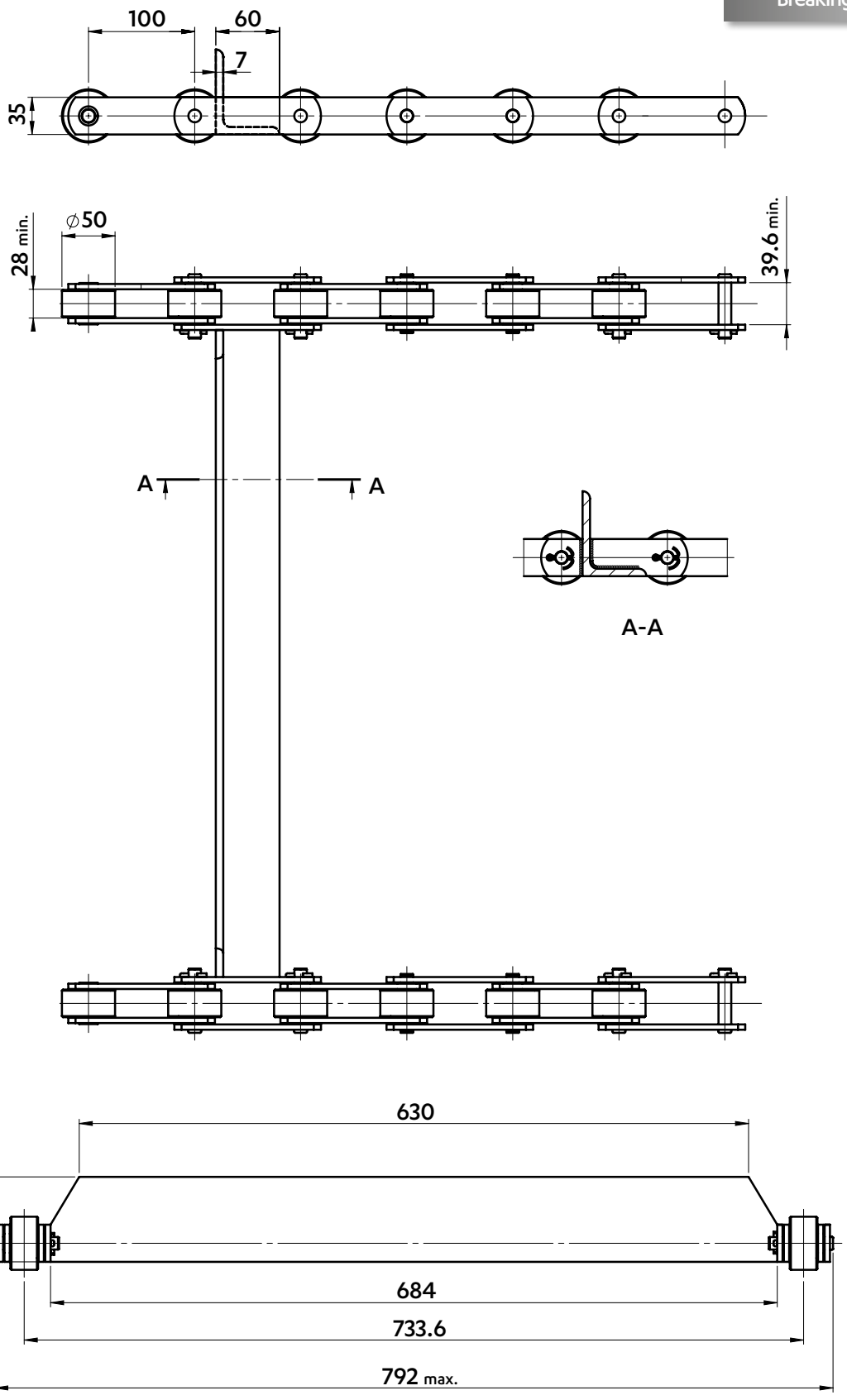
5324-84
Breaking load : 200 kN



Dimensions in mm

CHAINS FOR BIOMASS

5058-40
Breaking load : 95 kN



SPECIAL CHAINS

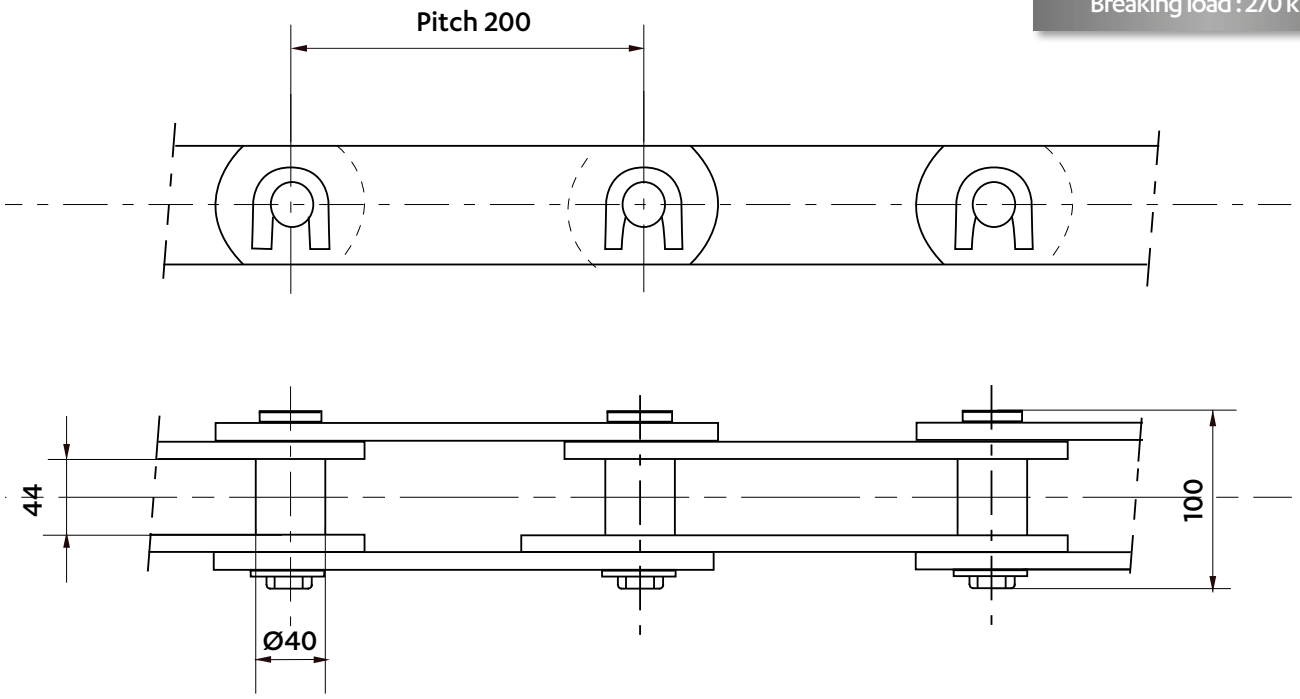
Miscellaneous
INDUSTRIES

CHAINS FOR THE WOOD INDUSTRY

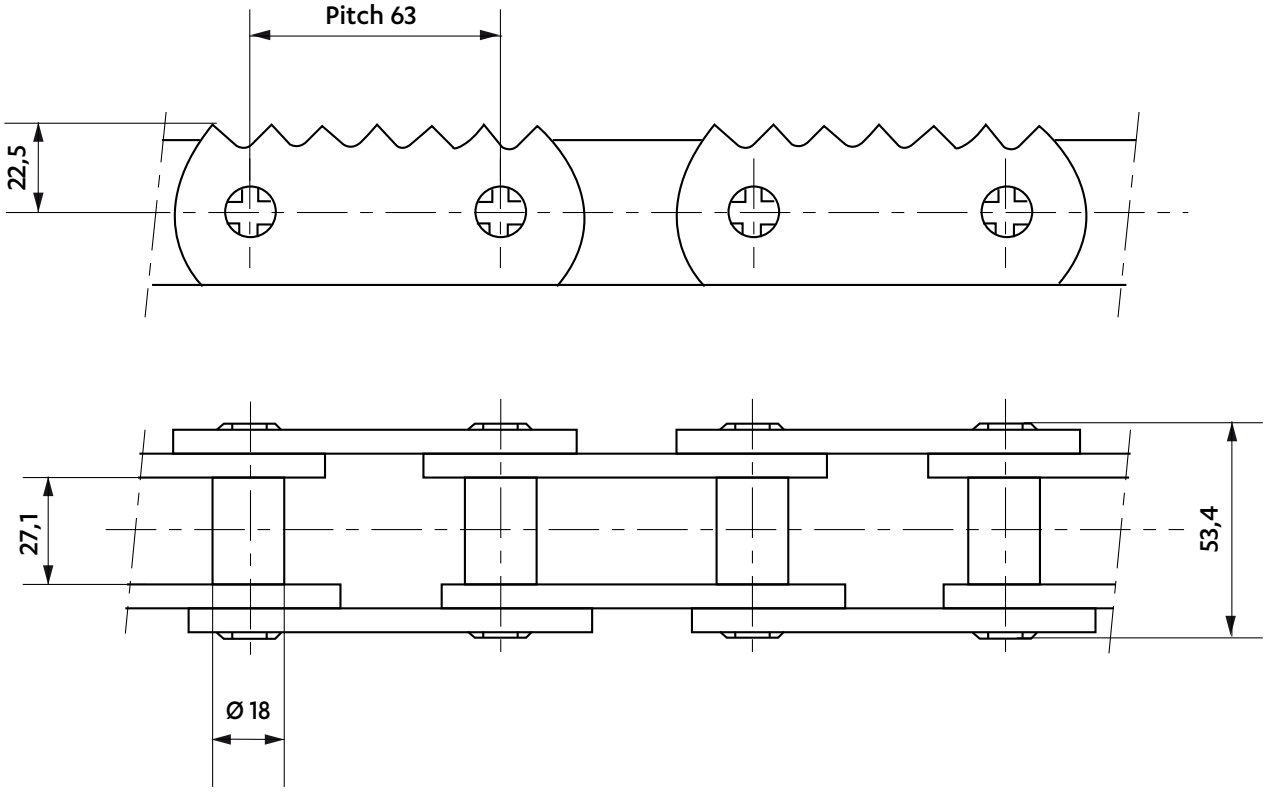
Dimensions in mm

TRANSPORT OF TIMBER LOGS

5806-01
Breaking load : 270 kN



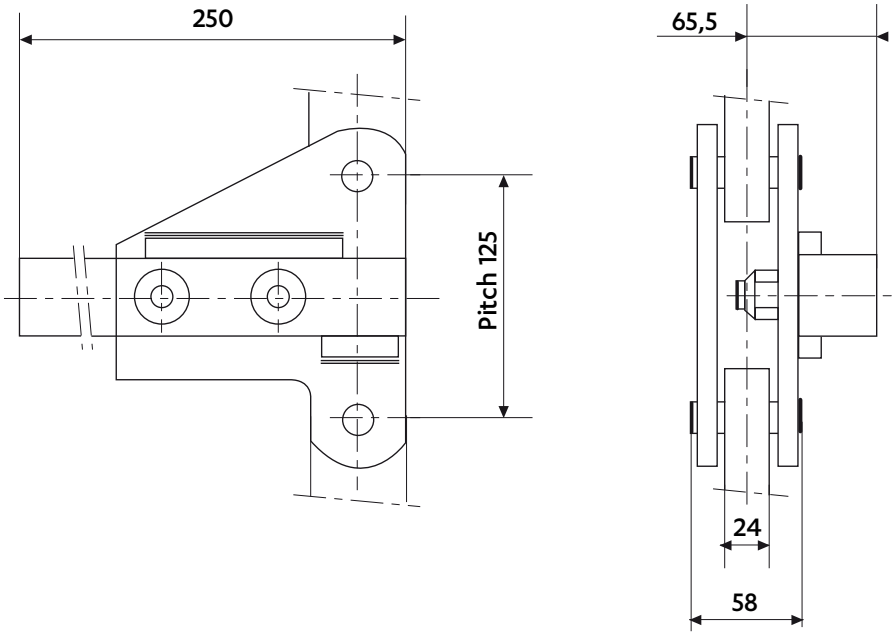
5450-09
Breaking load : 80 kN



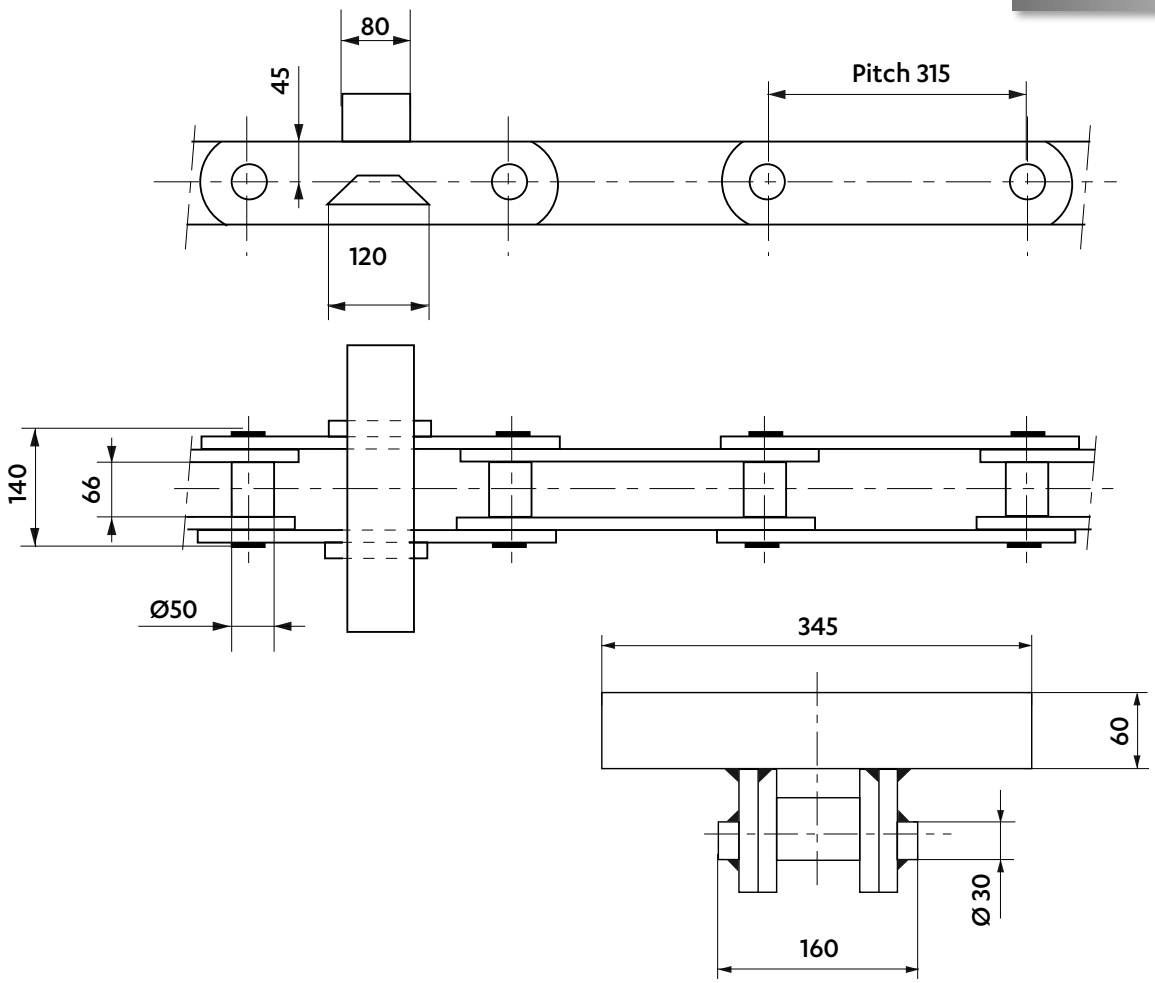
Dimensions in mm

CHAINS FOR INCLINED TRANSPORT OF TIMBER LOGS

5741-01
Breaking load : 211 kN



5478-04
Breaking load : 1000 kN

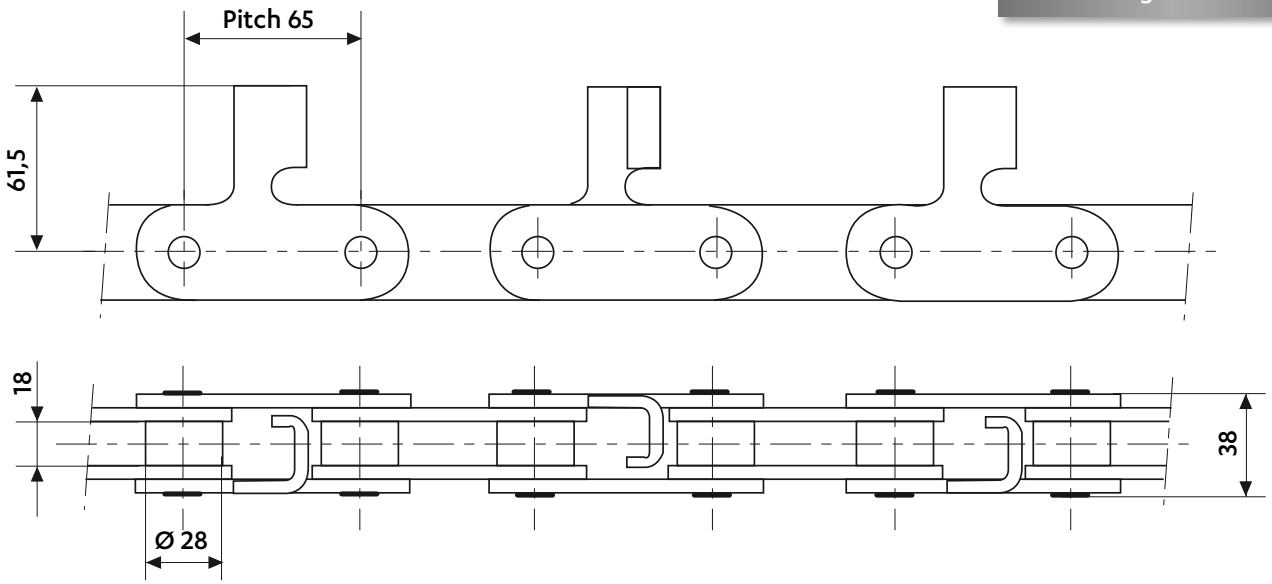


CHAINS FOR THE WOOD INDUSTRY

Dimensions in mm

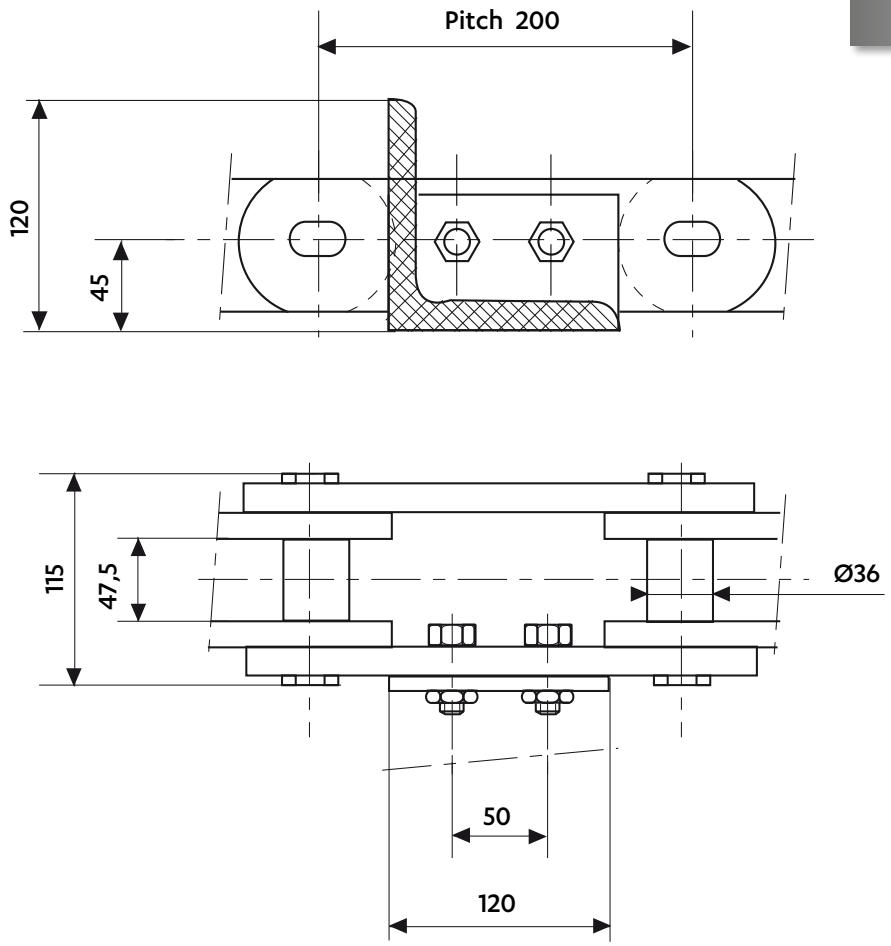
CHAIN FOR DRYER LIFT

5728-01
Breaking load : 62 kN



TWO STRAND APRON SCRAPER CHAIN FOR BARK CARRIER

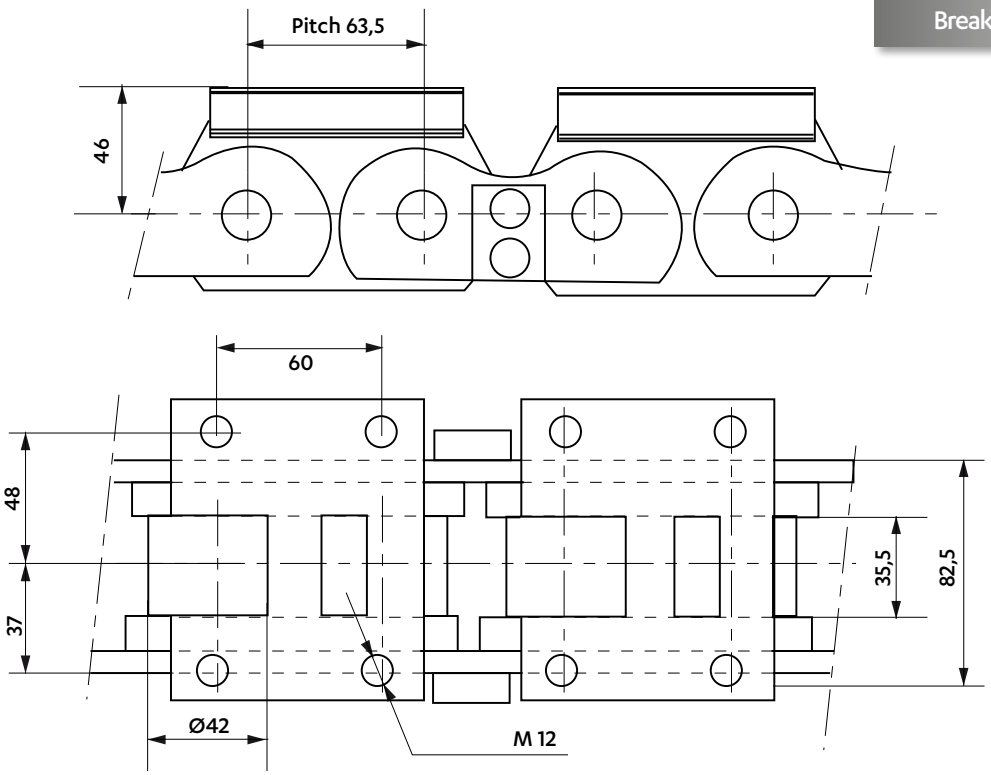
5308-45
Breaking load : 500 kN



Dimensions in mm

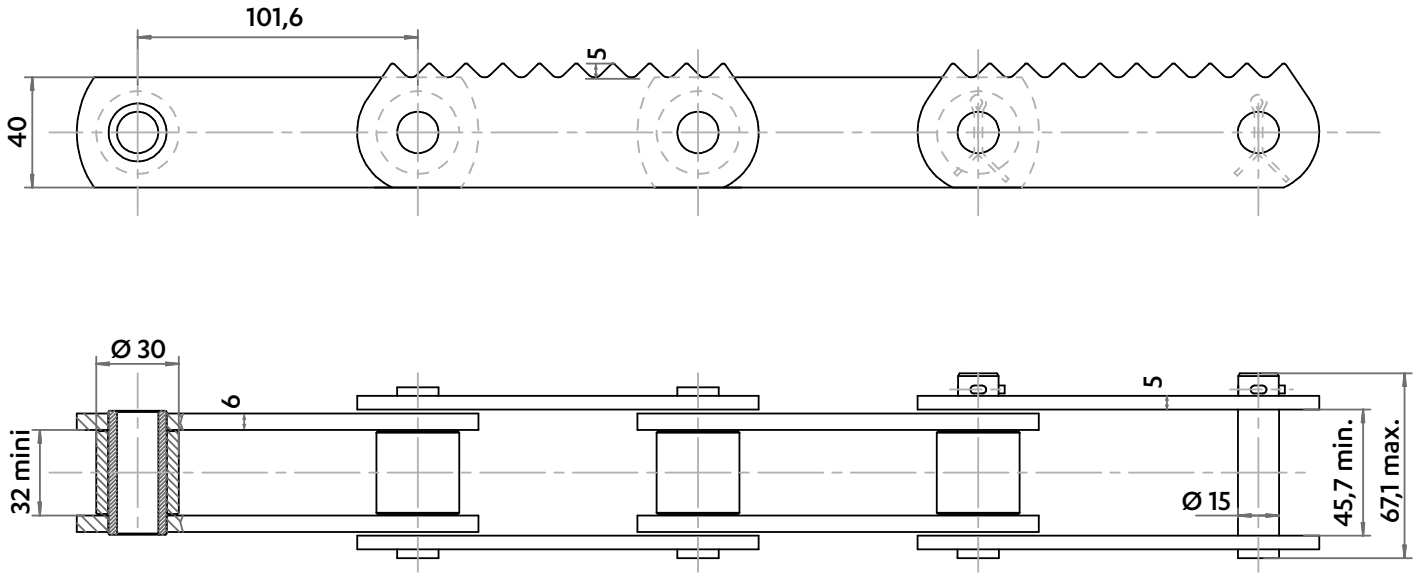
CHAIN FOR DE-BARKING

5310-01
Breaking load : 333 kN



CHAIN FOR SAWMILL

5999-04

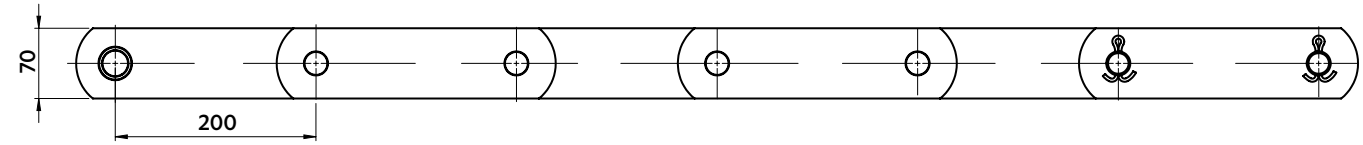


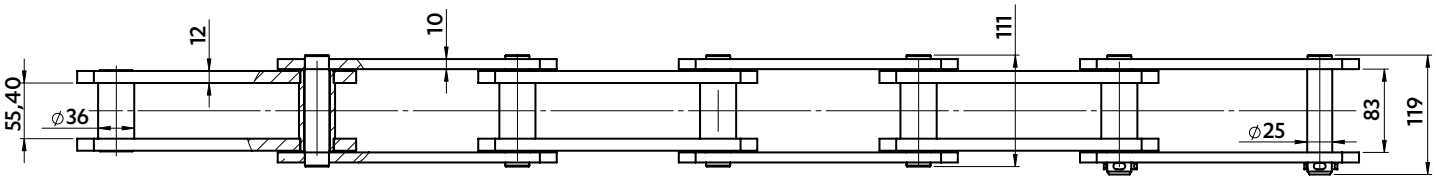
CHAINS FOR THE WOOD INDUSTRY

Dimensions in mm

CHAIN FOR SAWMILL

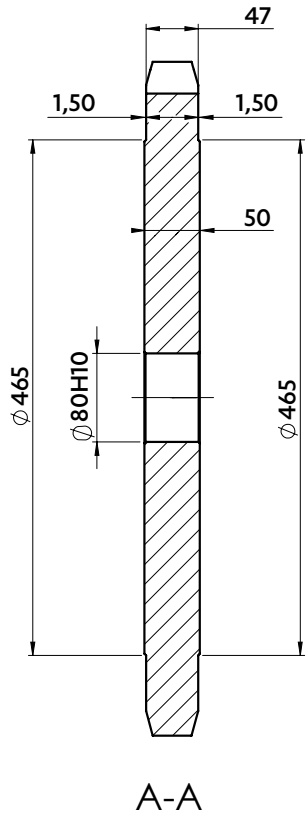
5022-11



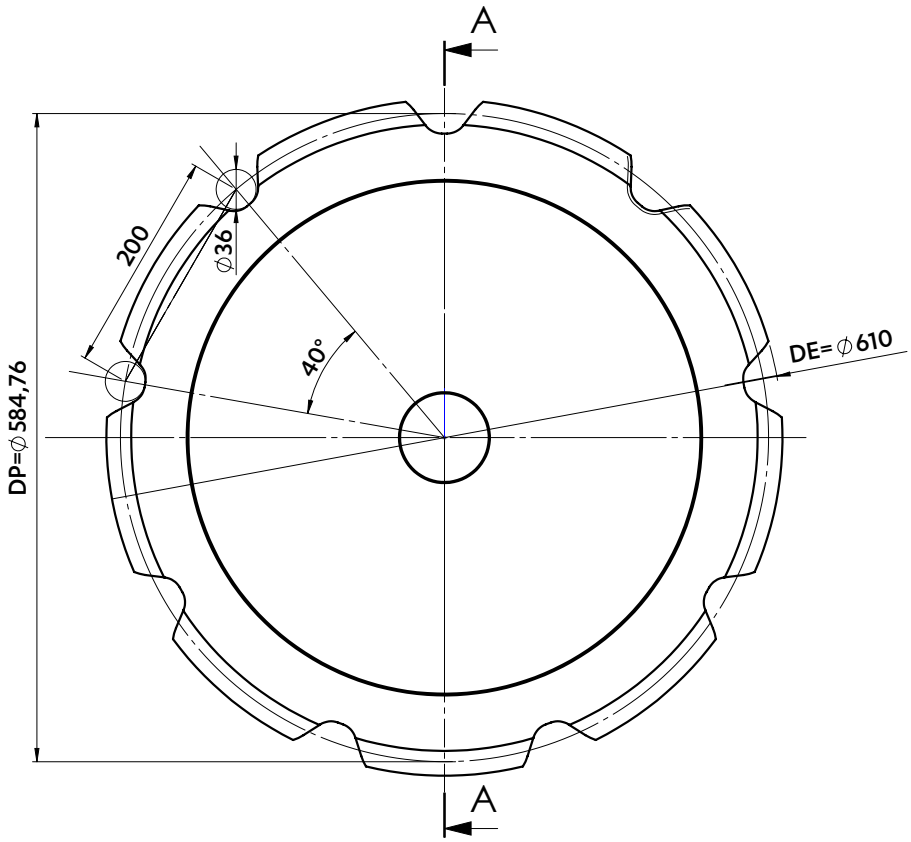


9 TOOTH WHEEL TO SUIT

5022-11



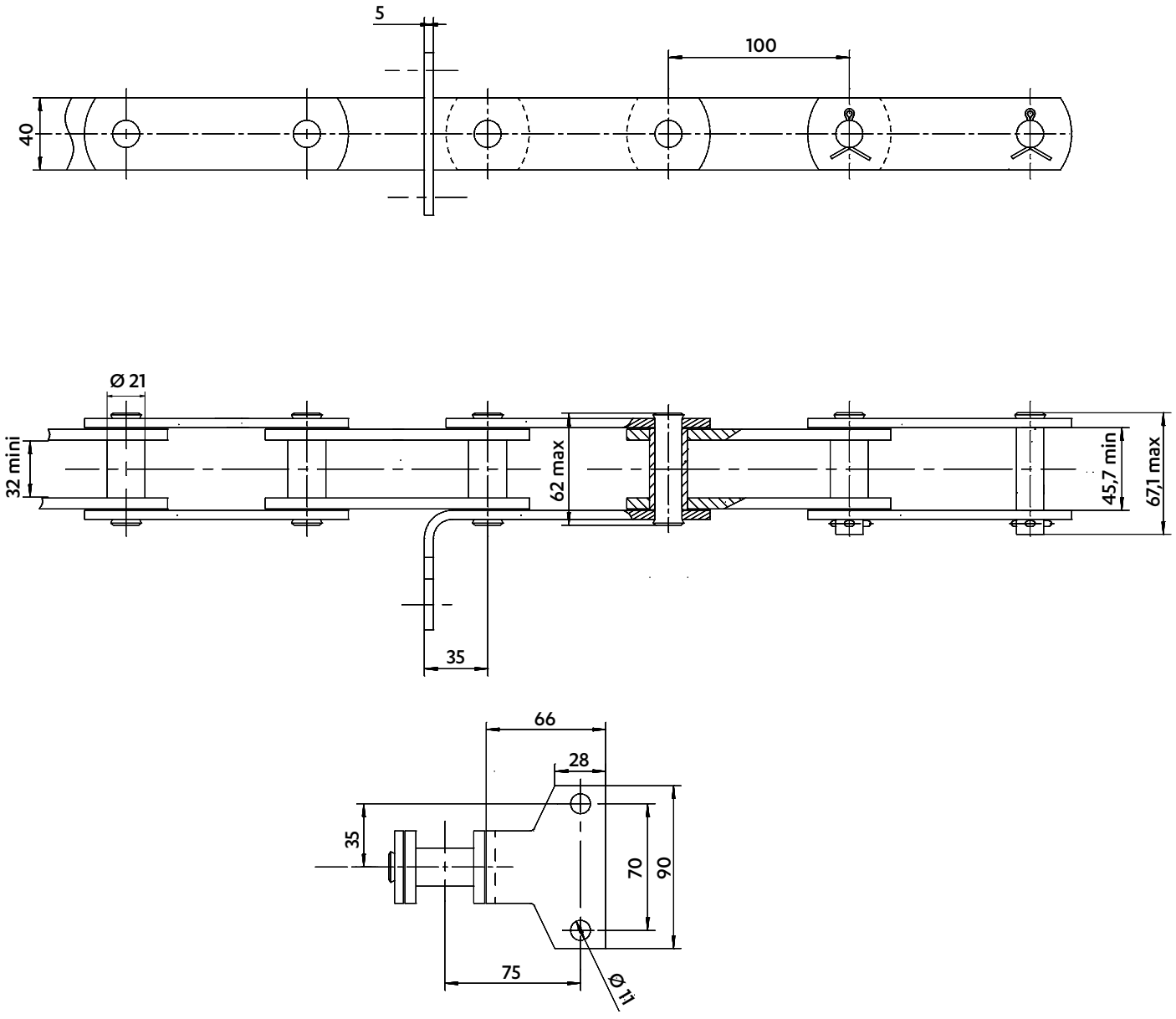
A-A



Dimensions in mm

CHAIN FOR SAWMILL

5271-82
Breaking load : 112 kN



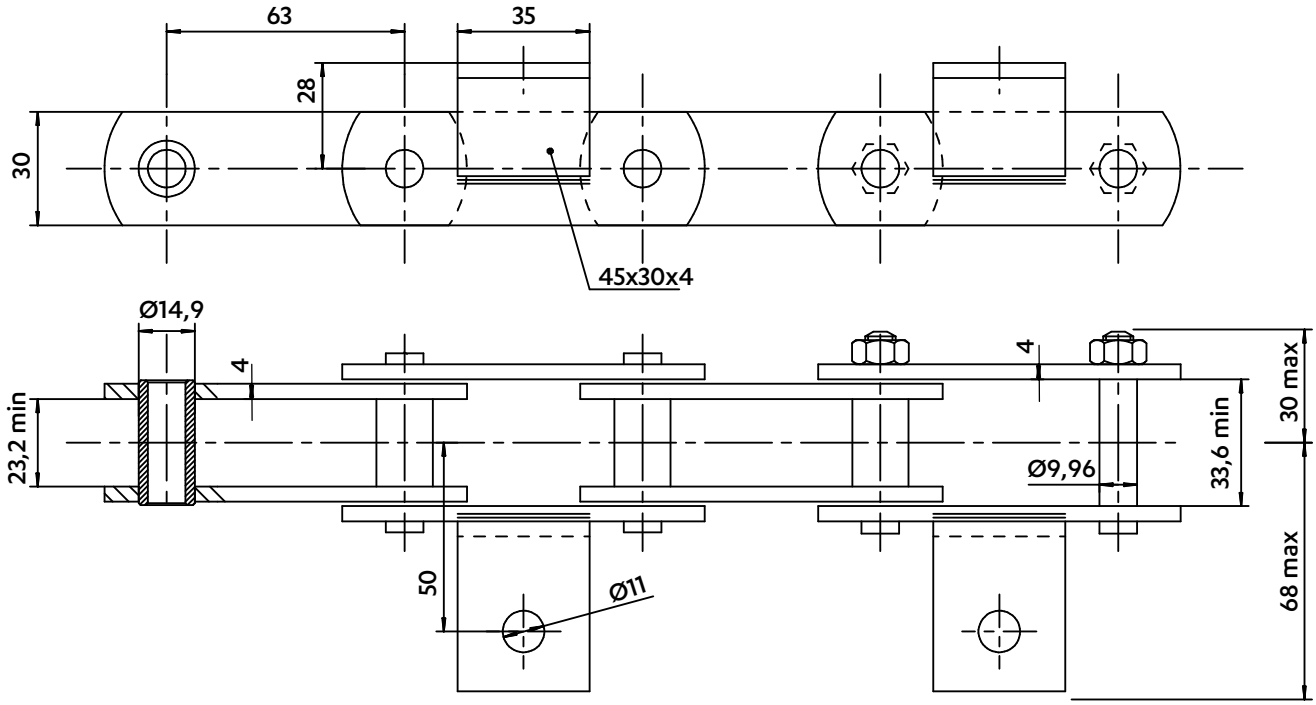
M112 chain with special F2 attachments

CHAINS FOR THEME PARKS

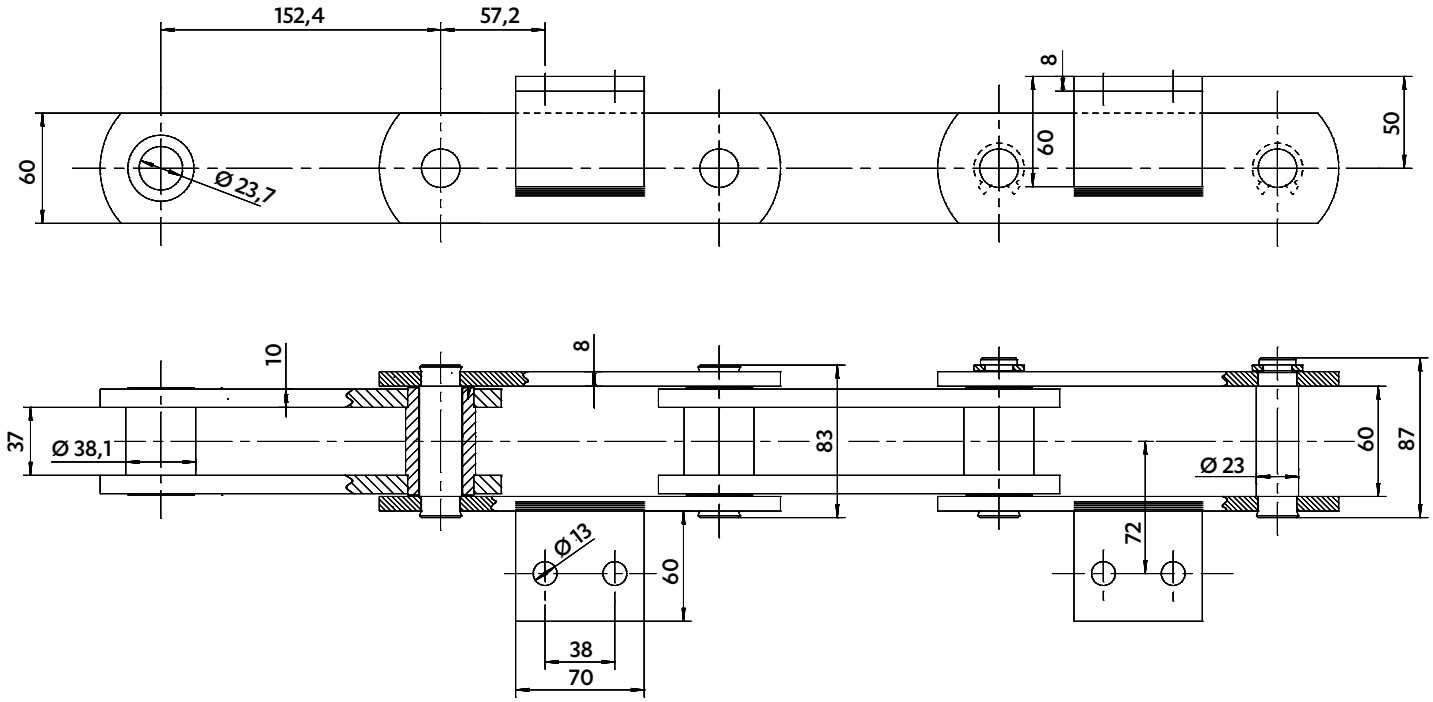
Dimensions in mm

CHAINS FOR RIDES

5325-61
Breaking load : 65 kN



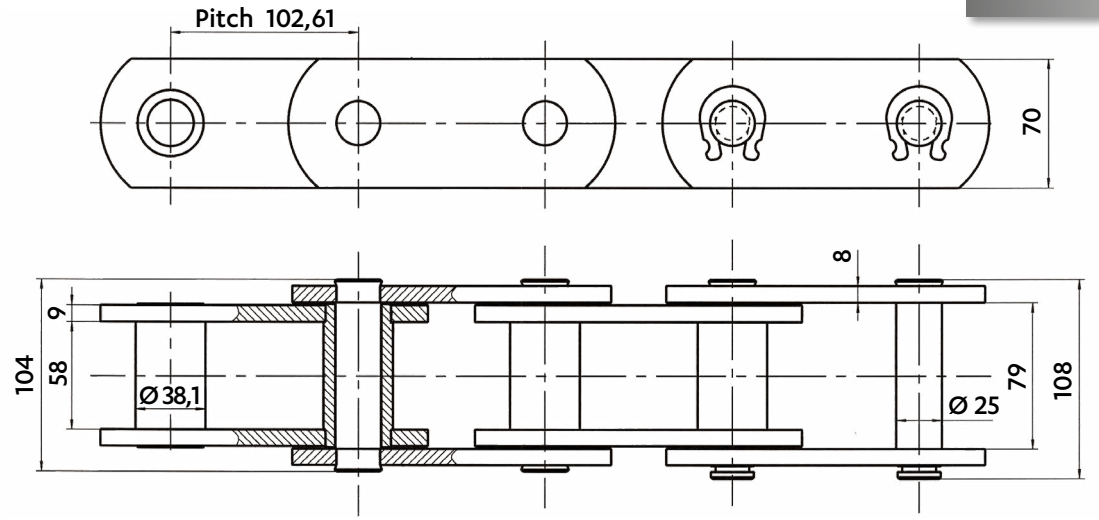
5617-93
Breaking load : 300 kN



Dimensions in mm

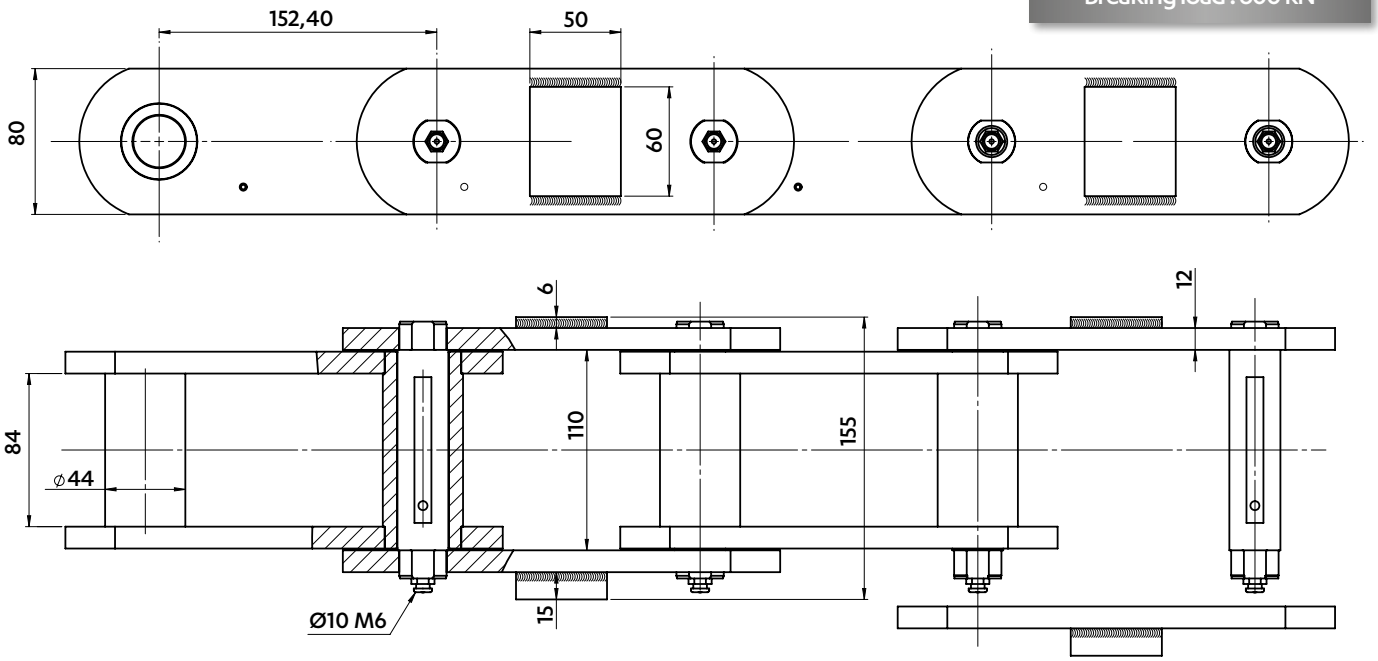
CHAIN FOR RIDE

5903-01
Breaking load : 336 kN



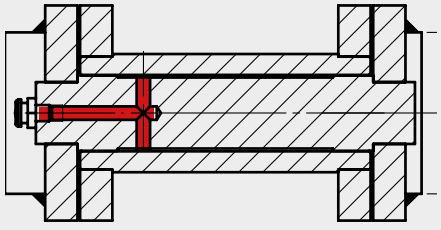
CHAIN FOR WATER RIDE

5977-07
Breaking load : 600 kN



SEDIS solution

AXIAL GREASING



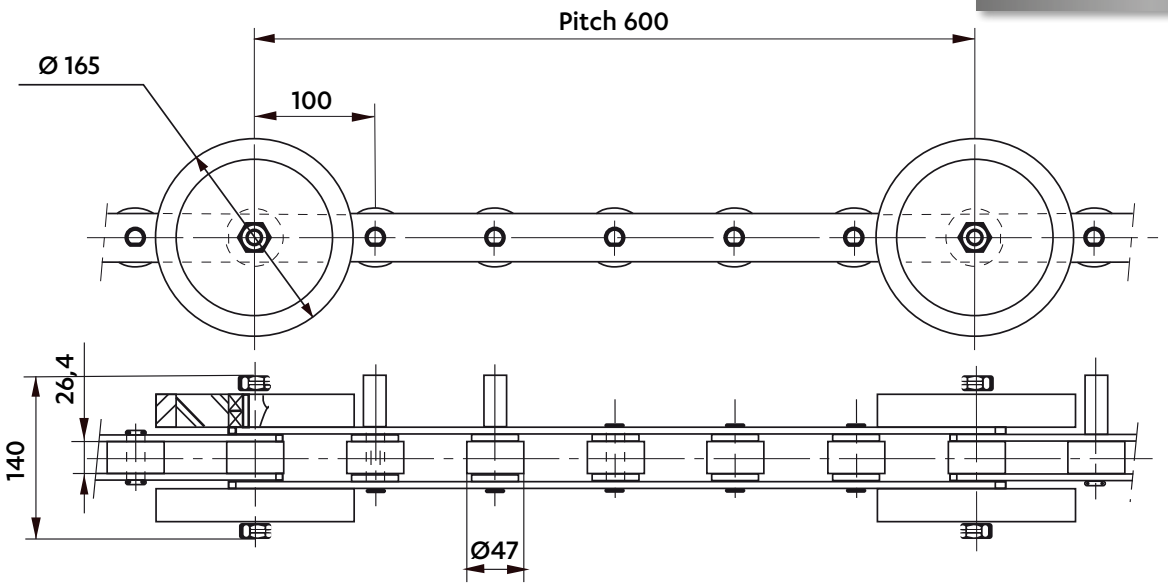
- Lubricates the articulation from inside
- Prevents maintenance
- Enhances the service life of the chain

CHAINS FOR LUGGAGE TRANSPORT

Dimensions in mm

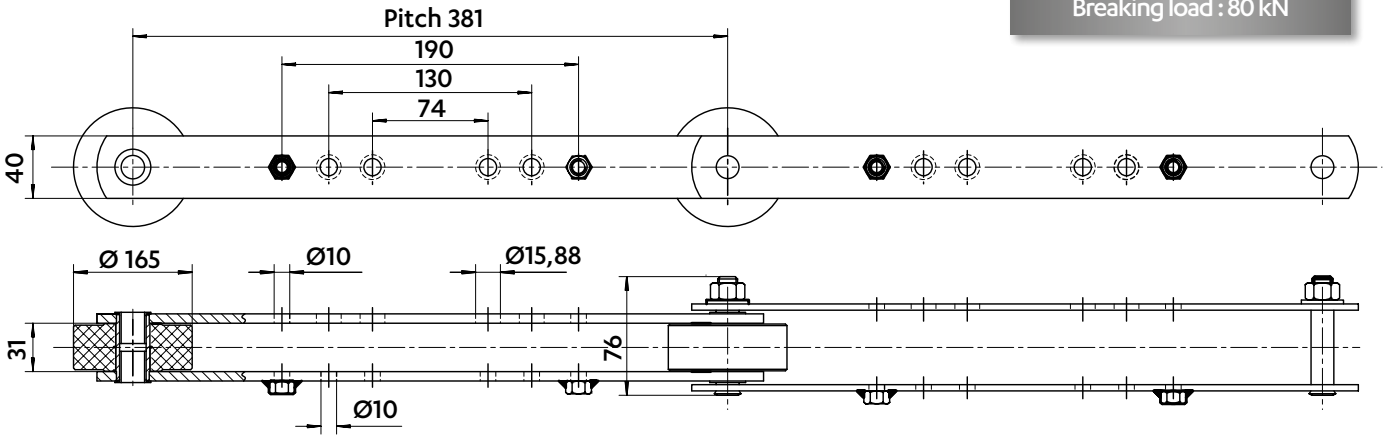
CHAIN FOR LUGGAGE HANDLING

5547-01
Breaking load : 112kN



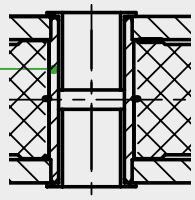
CHAIN FOR LUGGAGE CONVEYOR

5875-02
Breaking load : 80 kN



SEDIS solution

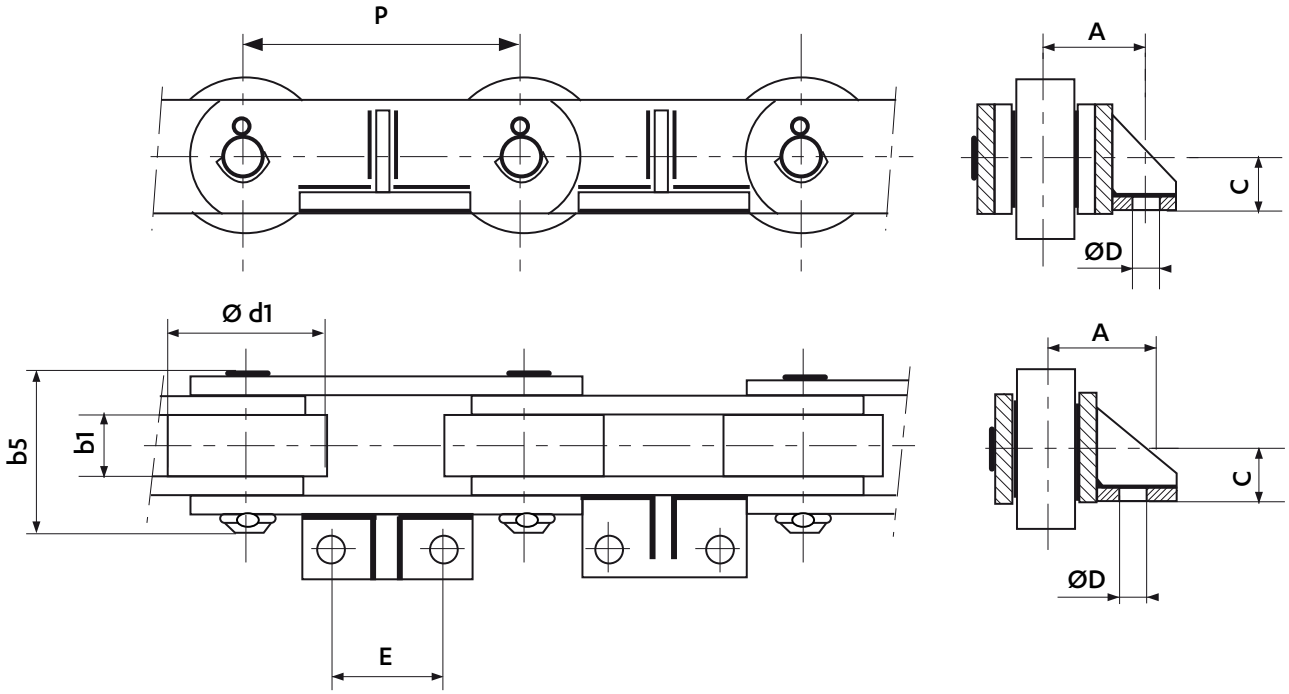
DELTA VERTE® CHAIN



- Corrosion resistance in harsh environment (SEDIS coating)
- Increased wear resistance (DELTA® pins)
- Prevents maintenance

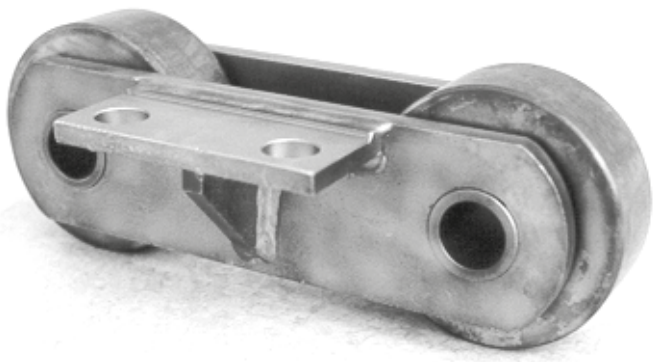
Dimensions in mm

CHAIN FOR STEAM CHAMBER AND OUTLET RECEPTION



Chain ref	Pitch P	Min. width between inner plates b1	Width over the pins b5	Wheel Ø d1	Attachments C	D	E	A	Min. breaking load kN
5617-83	150,0	44	88	102	38,5	14	63,5	50,8	400
5749-05	152,4			98					
5678-05*	175,0	44	98	98	31,5	17	70,0	65,0	230
5678-04			101	98		17			600
5678-02			101	98		19			600
5678-01	44	44	101	98	31,5	19	70,0	65,0	600
5678-03			101	106					

(*) : Welded attachments without reinforcement



SPECIAL WHEELS & SPROCKETS

sedis

Examples of

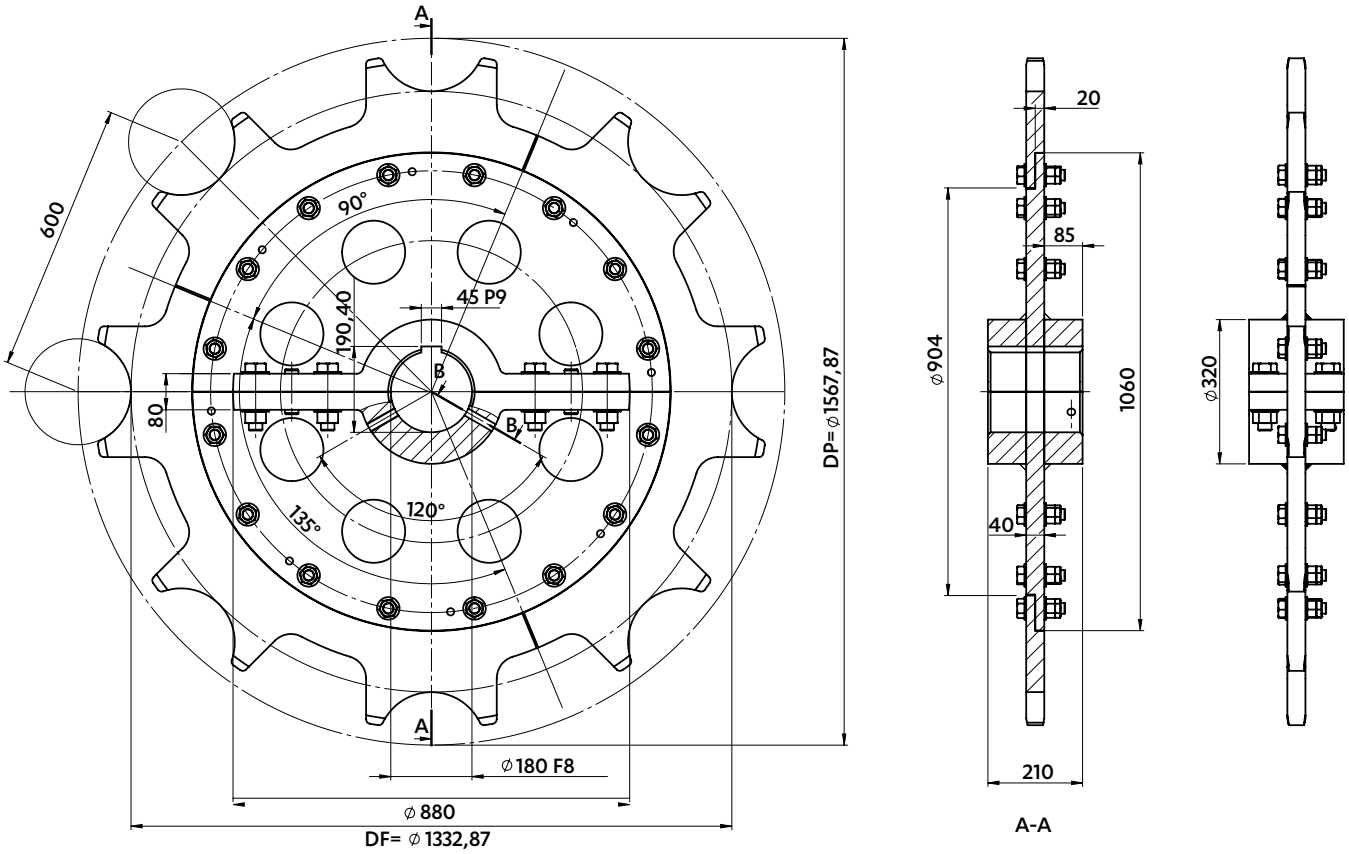
SPECIAL SPROCKETS

EXAMPLES OF SPECIAL WHEELS & SPROCKETS

Dimensions in mm

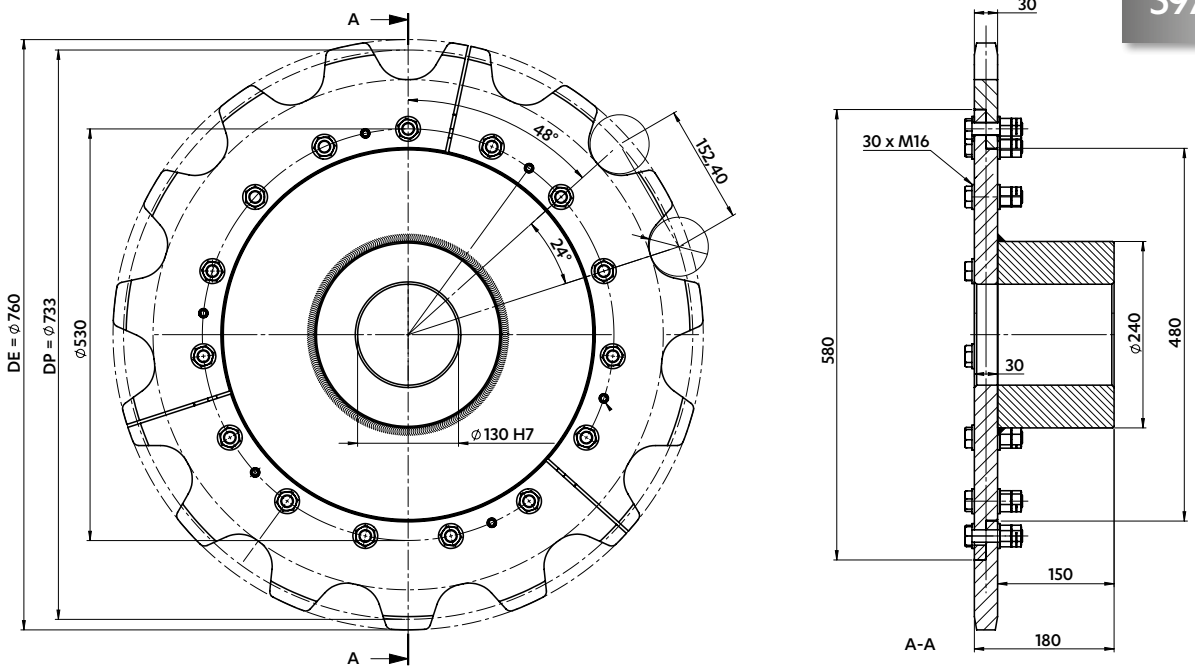
TWO PORTION SPROCKET WITH SEGMENTS

5747-34



SPROCKET WITH ADDED SEGMENTS

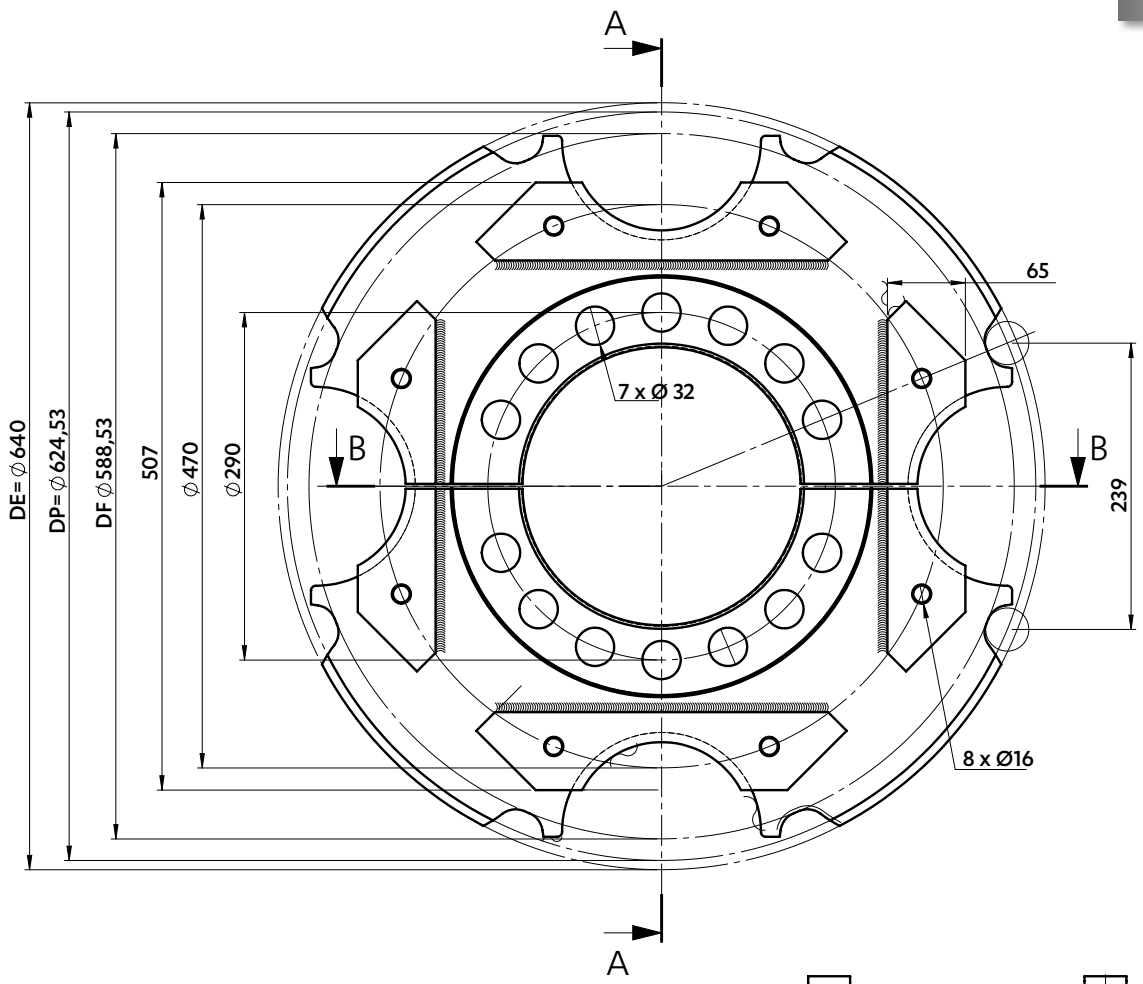
5977-35

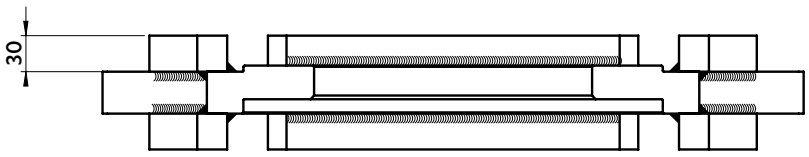


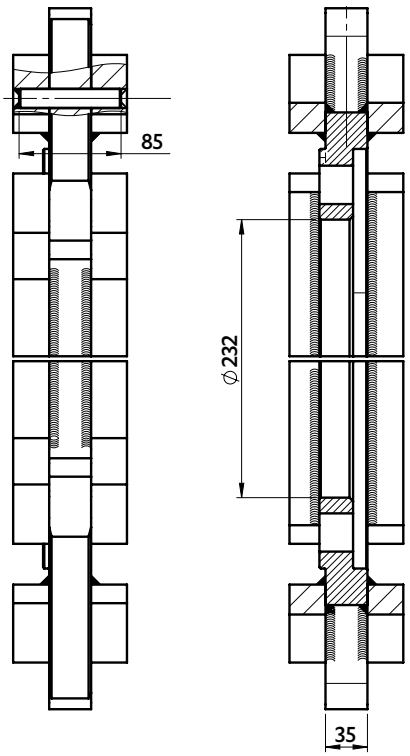
Dimensions in mm

SPECIAL SEGMENTS

5280-26







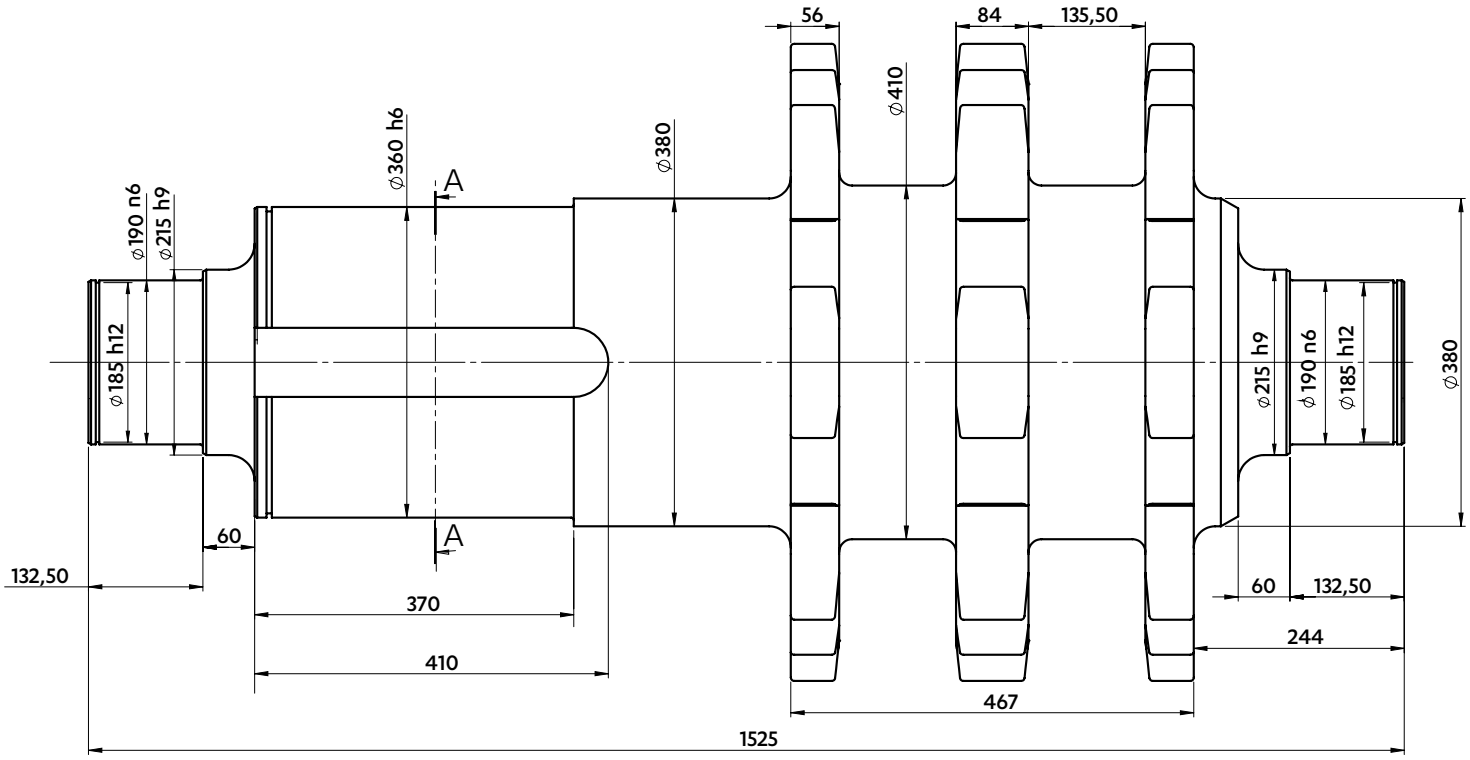
A-A

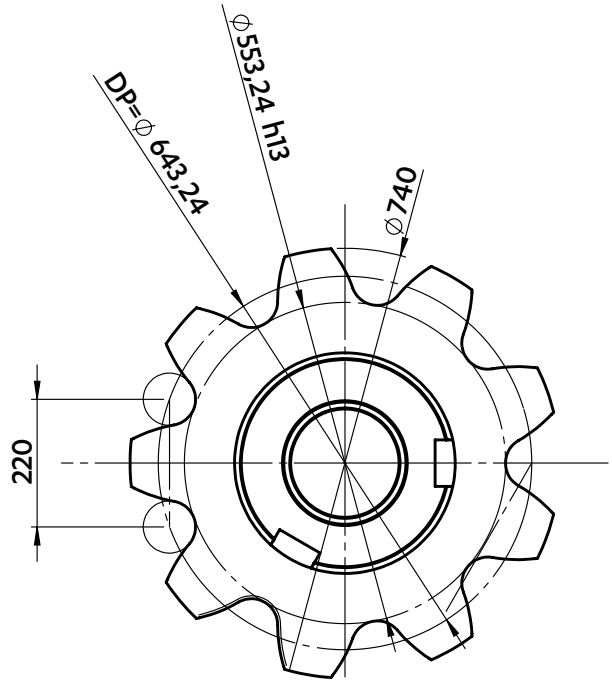
EXAMPLES OF SPECIAL WHEELS & SPROCKETS

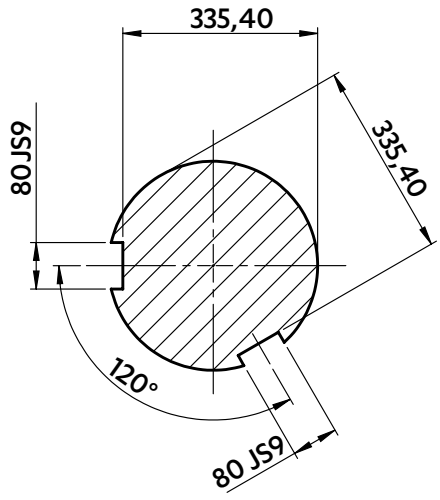
Dimensions in mm

SHAFT SPROCKET

5740-28



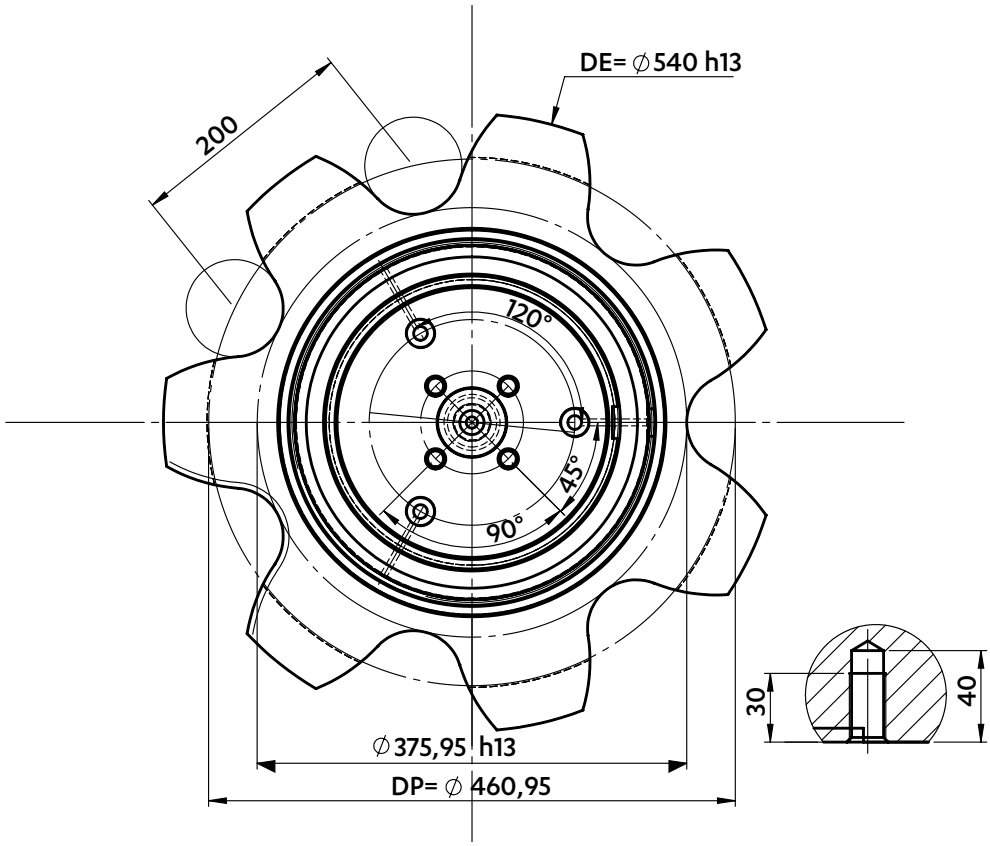


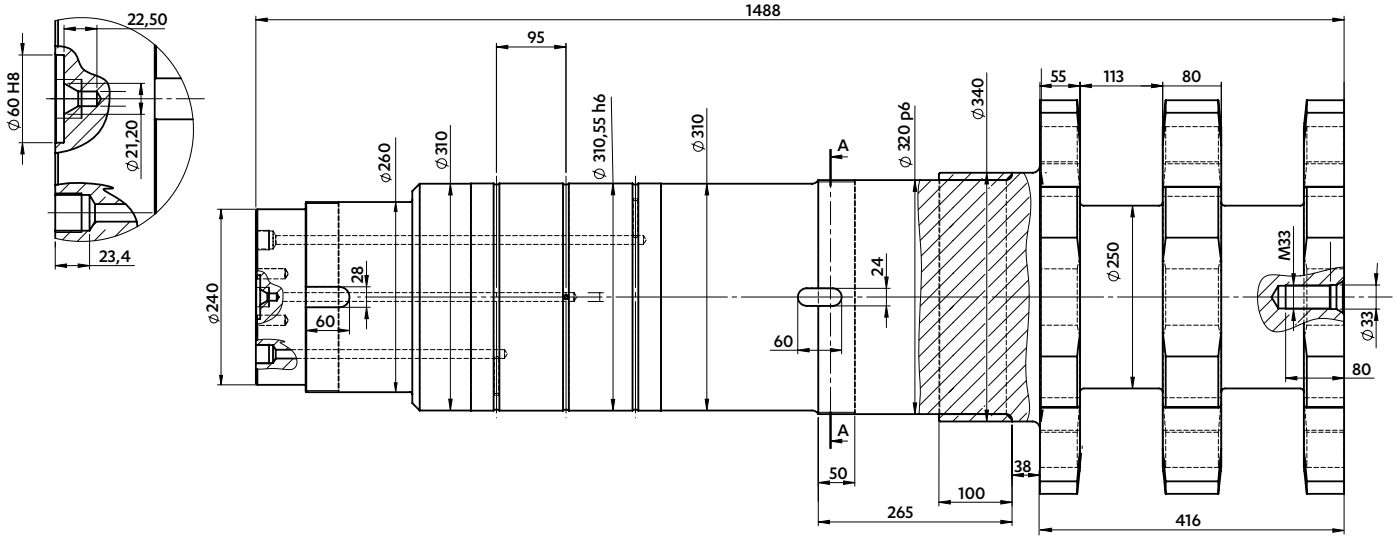


Dimensions in mm

SHAFT SPROCKET FOR DAM

5853-05





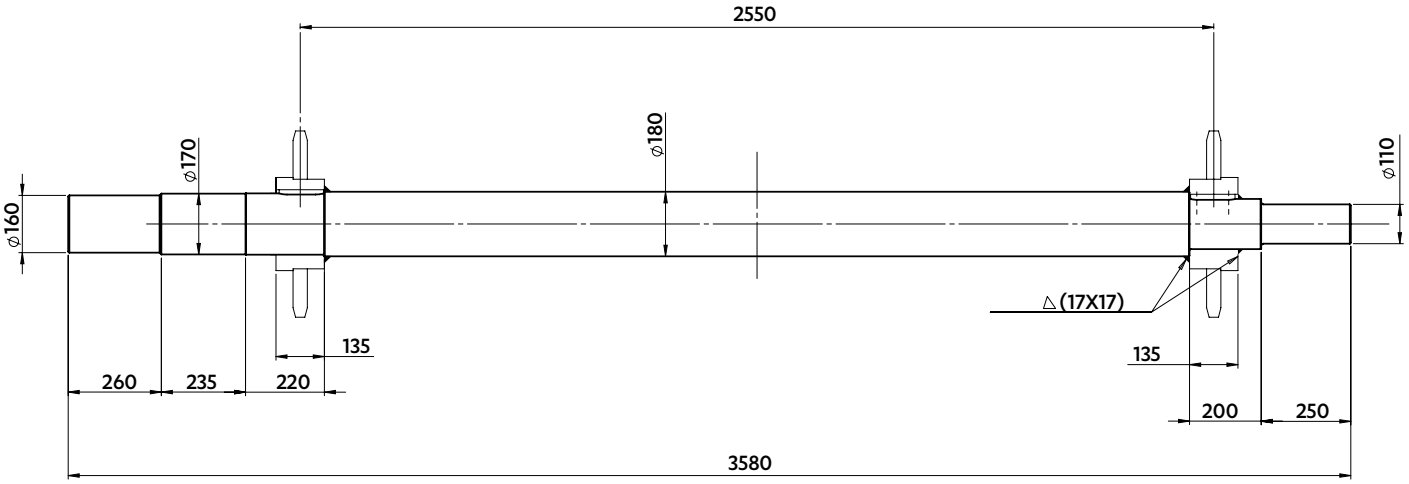
Shaft sprocket for chain ref 5853-04 (see chapter "chains for dams")

EXAMPLES OF SPECIAL WHEELS & SPROCKETS

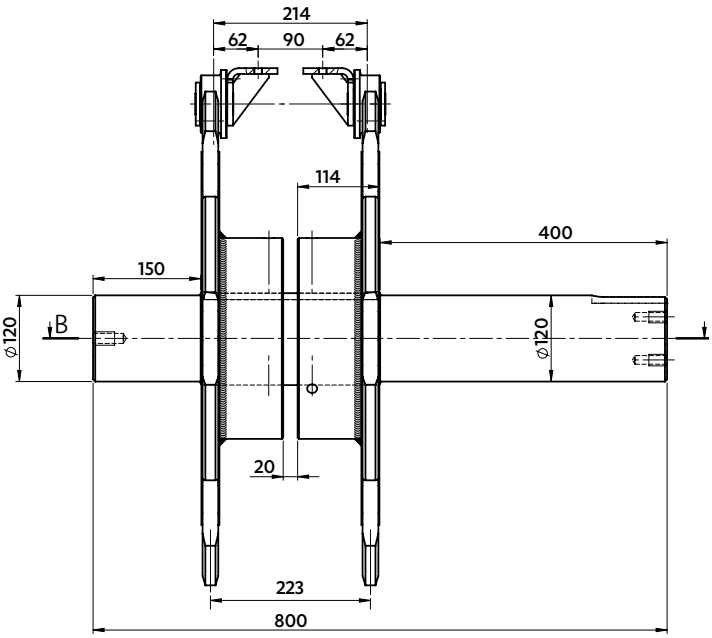
Dimensions in mm

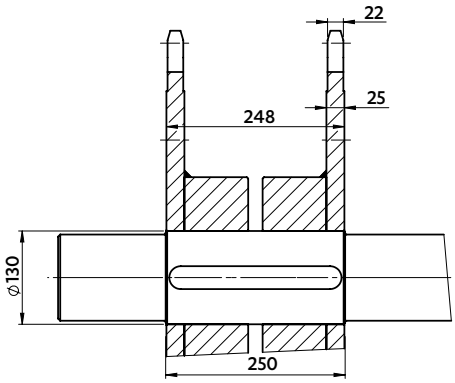
SETS OF SPROCKETS & SHAFT

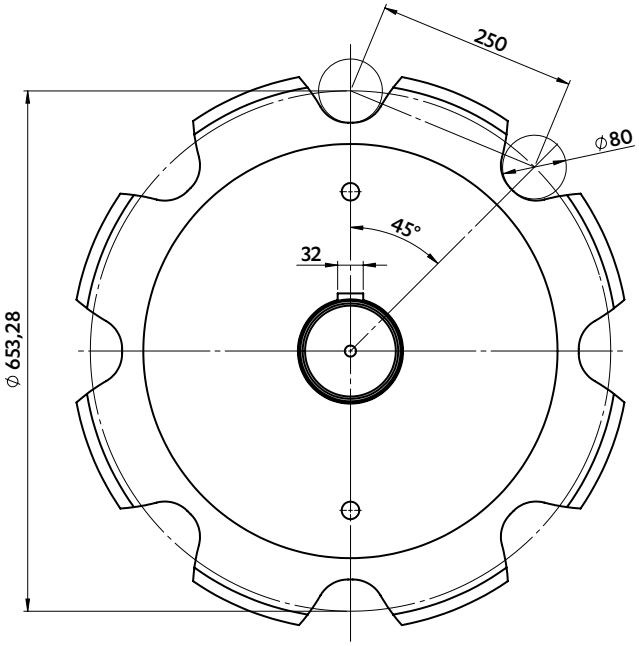
5370-72



5972-60



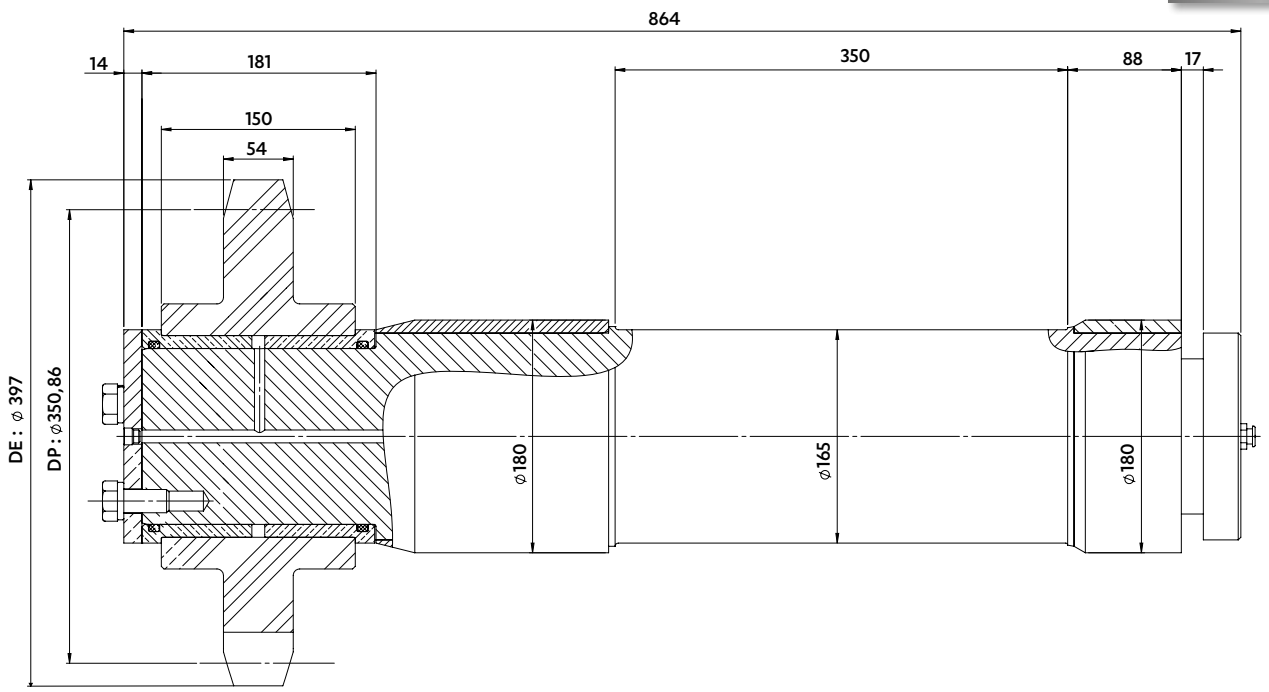




Dimensions in mm

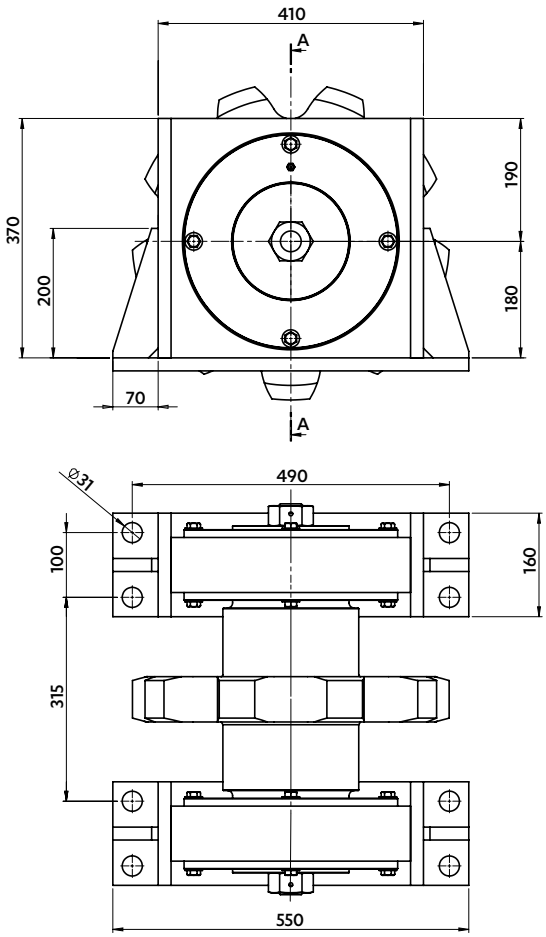
SET OF IDLER SPROCKETS & SHAFT

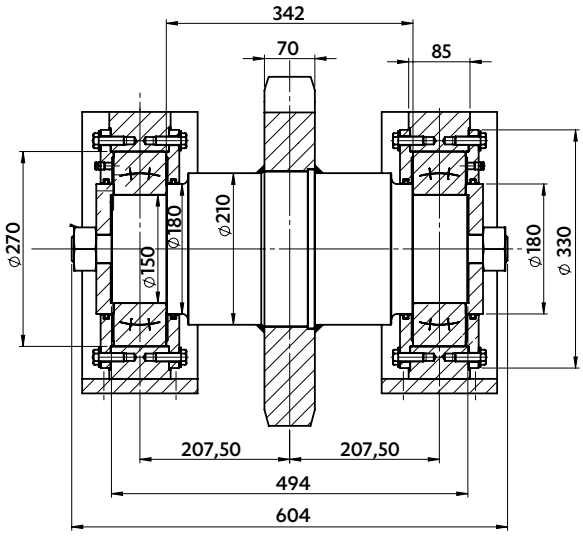
5813-16



IDLER SPROCKET FOR DAM

5733-18





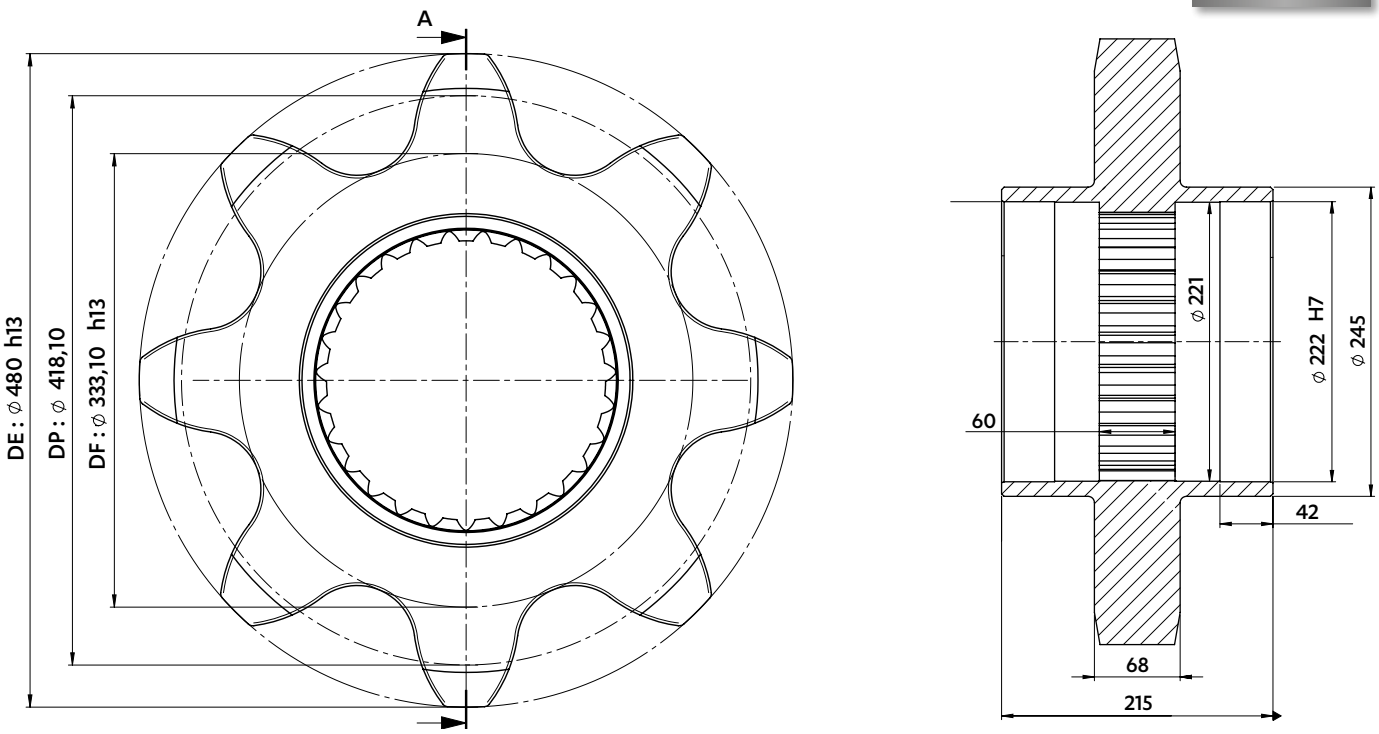
A-A

EXAMPLES OF SPECIAL WHEELS & SPROCKETS

Dimensions in mm

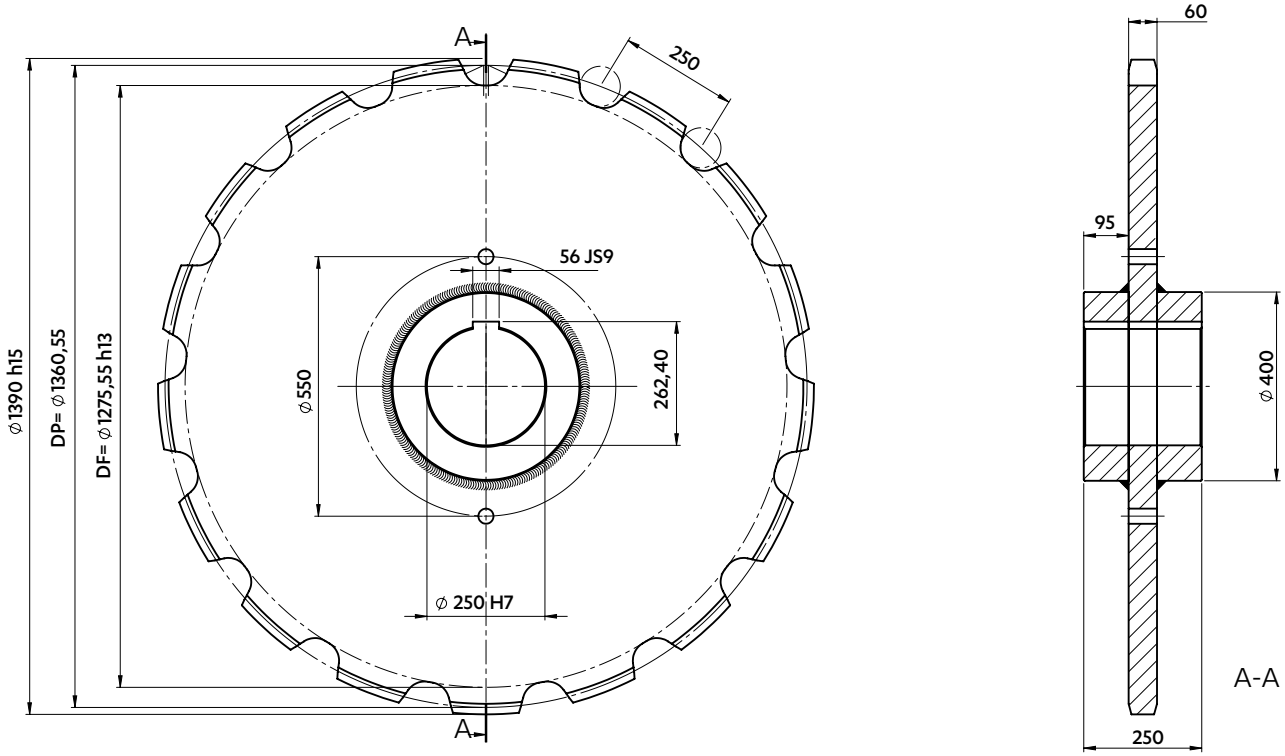
GROOVED SPROCKET

5894-27



CHAIN WHEEL FOR CEMENT ELEVATOR

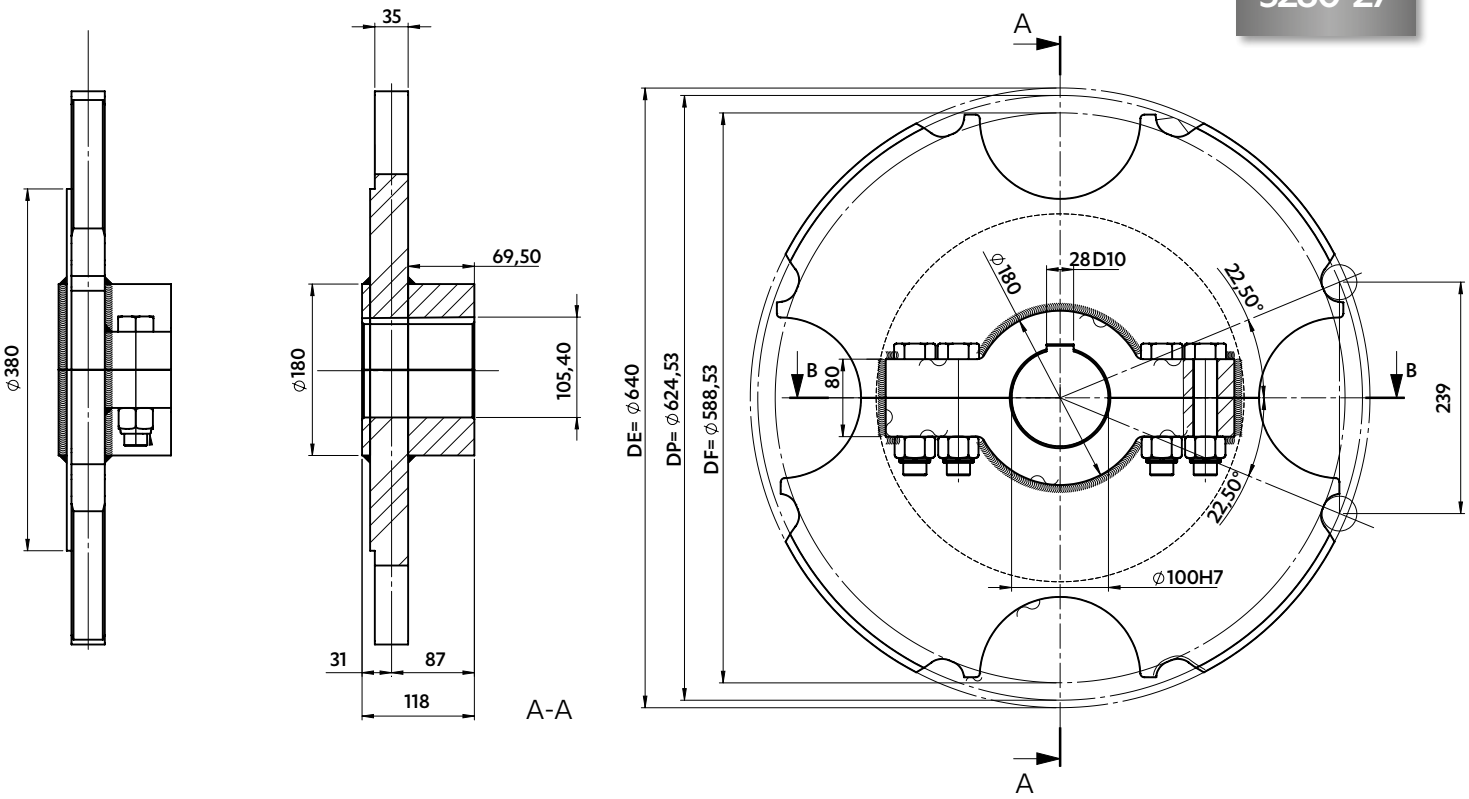
5343-25



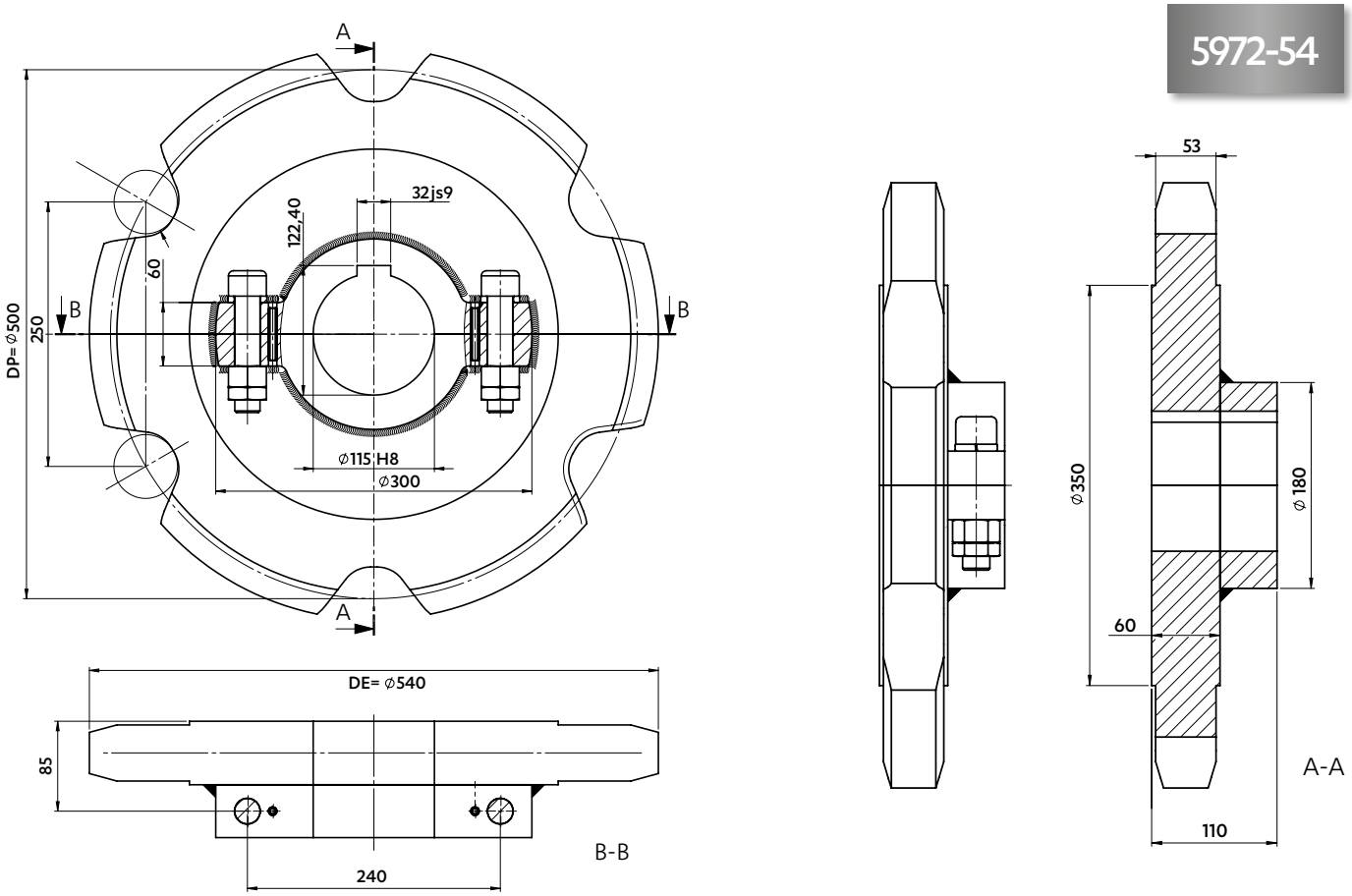
Dimensions in mm

CHAIN WHEELS IN 2 PORTIONS

5280-27



5972-54



APPENDICES


h2
b1
e1
d4
Chain reference
P
Pitch
mm
b1
Inner plates width min.
b3
Outer plates width min.
Customer request
SEDIS Proposal
Minimum Breaking load (kN) =
Treatment =>
Special conditions of the application (environment, temperature...):
CONNECTING LINKS
N° 205
External link to be riveted
Indicate the quantity
35 rue des Bas Trévois, CS 90104, 10003 Troyes, France

Tools

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CONVEYOR CHAIN ENQUIRY

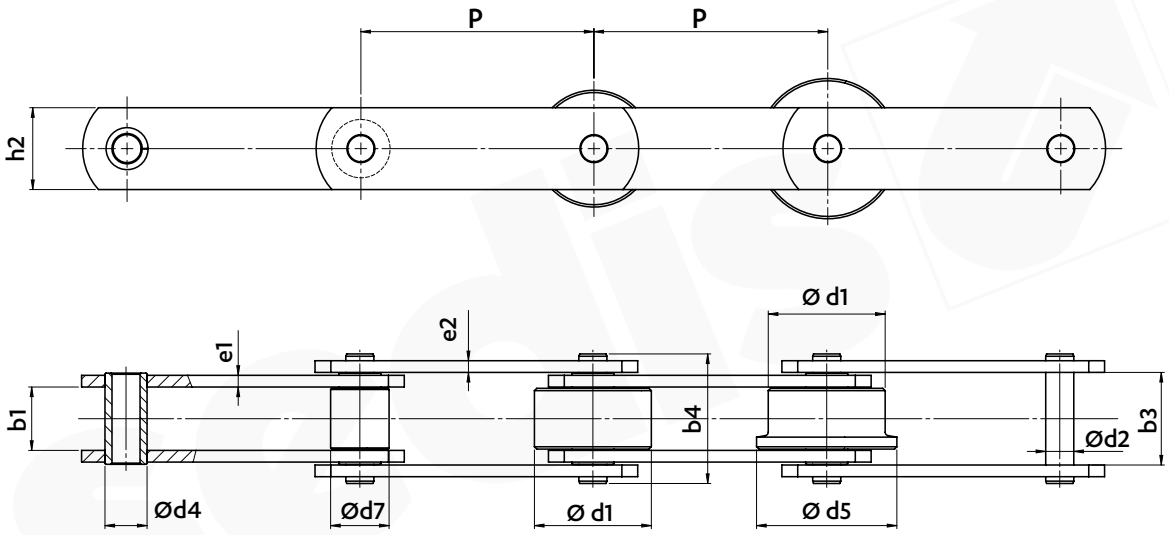
CUSTOMER INFORMATION

Company:	**Name:**	**Date:**
Email:	**Phone:**	**Fax:**

CHAIN SPECIFICATIONS

Number of chains:

Length of chain: Metres / Number of links / Feet



	Chain reference	P	b1	b3	PLATES h2	PLATES e1	PLATES e2	PINS d2	PINS b4	ARTICULATION d4	ARTICULATION d7	ARTICULATION d1	ARTICULATION d5
		Pitch	Inner plates width	Outer plates width	Plates height	Inner plates thickness	Outer plates thickness	pin Ø	Riveted length	Bush Ø	Small roller Ø	Plain roller Ø	Flanged roller Ø
		mm	min.	min.	max.	nom.	nom.	max.	max.	max.	max.	max.	max.
Customer request													
SEDIS Proposal													
	Treatment =>												
	Minimum Breaking load (kN) =												

Special conditions of the application (environment, temperature...):

CONNECTING LINKS

N° 205

External link to be riveted

Indicate the quantity ☐

N° 208

Cottered connecting link

☐

N° 209

Connecting link with self locking nuts

☐

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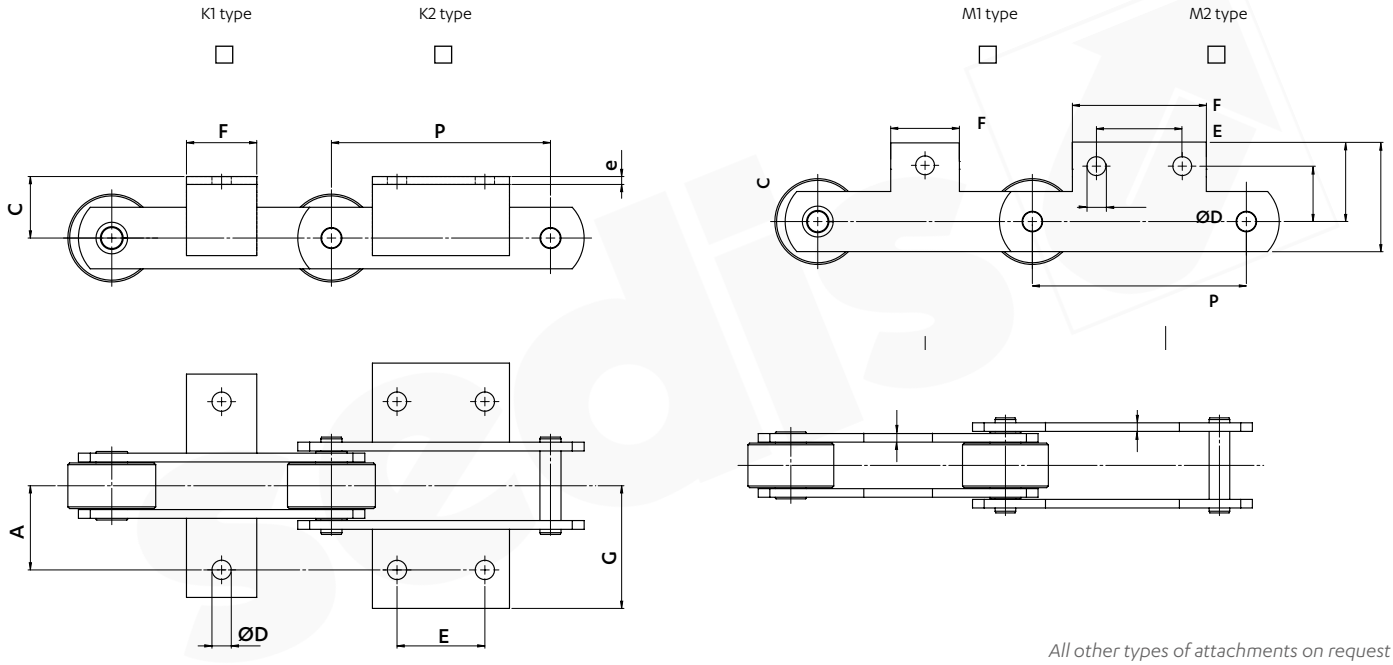
CONVEYOR CHAINS ATTACHMENTS ENQUIRY

CUSTOMER INFORMATION

Company:	**Name:**	**Date:**
Email:	**Phone:**	**Fax:**

ATTACHMENTS SPECIFICATIONS



All other types of attachments on request

	Pitch	Plate thickness	Boring Ø	Distance between boring centers	Length of attachments	Transversal distance between pins	Overall width	Attachment height
	P	e	D	E	F	A	G	C
Customer request								
SEDIS Proposal								

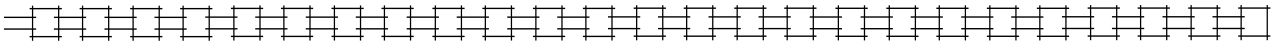
2 chains functionning in parallel ? ☐ YES ☐ NO

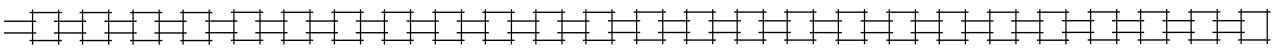
Special conditions of the application (environment, temperature...):

Attachments mounted on: ☐ Inner plates ☐ Outer plates ☐ Outer & inner plates ☐ One side ☐ Both sides ☐ Every other side

Frequency of attachments:

Or indicate the side and positioning of attachments on the drawing below: Number of links


50


100

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HOLLOW PIN CONVEYOR CHAIN ENQUIRY

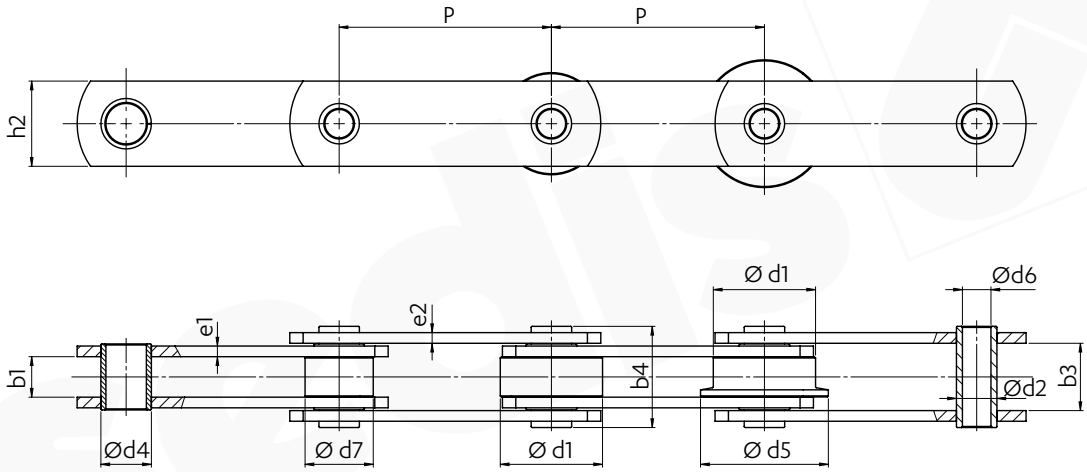
CUSTOMER INFORMATION

Company:	**Name:**	**Date:**
Email:	**Phone:**	**Fax:**

CHAIN SPECIFICATIONS

Number of chains:

Length of each chain: Metres / Number of links / Feet



	Chain reference	P	b1	b3	h2	e1	e2	d2	d6	b4	d4	d7	d1	d5
					PLATES			PINS			ARTICULATION			
		Pitch	Inner plates width	Outer plates width	Plates height	Inner plates thickness	Outer plates thickness	pin Ø	hollow pin inner Ø	Riveted length	Bush Ø	Small roller Ø	Plain roller Ø	Flanged roller Ø
		mm	min.	min.	max.	nom.	nom.	max.	max.	max.	max.	max.	max.	max.
Customer request														
SEDIS Proposal														
	Treatment =>													
	Minimum Breaking load (kN) =													

Special conditions of the application (environment, temperature...):

CONNECTING LINKS

N° 205

External link to be riveted

Indicate the quantity ☐

N° 208

Cottered connecting link

☐

N° 209

Connecting link with self locking nuts

☐

6 rue Nicolas Siret, CS 90104, 10003 Troyes, France • Phone: +33 (0) 3 25 76 29 50 • Fax: +33 (0) 3 25 80 31 62 • Email: https://www.sedis.com/contact

CONVEYOR CHAIN WITH DEEP LINK SIDE PLATES ENQUIRY

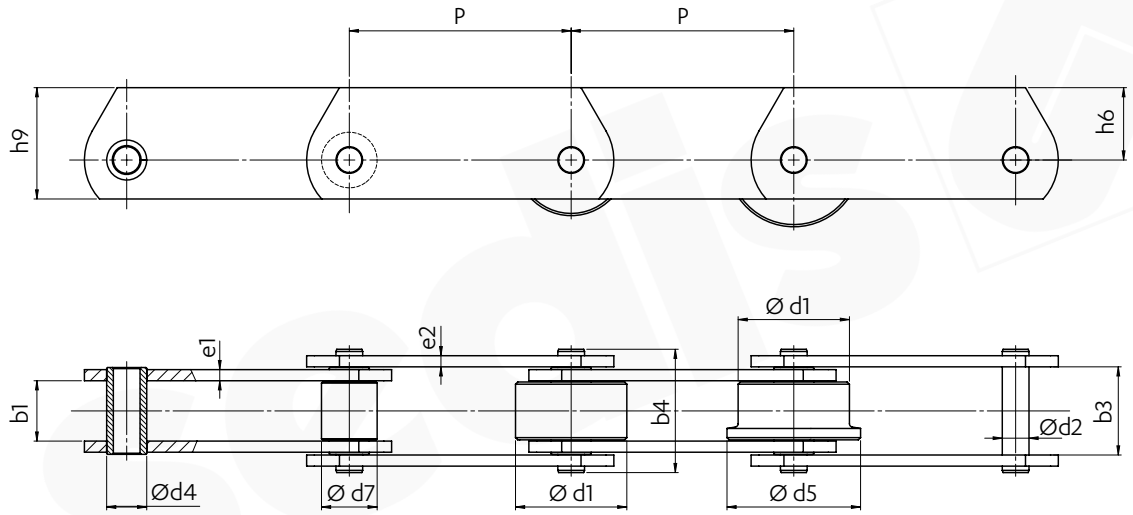
CUSTOMER INFORMATION

Company:	**Name:**	**Date:**
Email:	**Phone:**	**Fax:**

CHAIN SPECIFICATIONS

Number of chains:

Length of chain: Metres / Number of links / Feet



	Chain reference	P	b1	b3	PLATES h9	PLATES h6	PLATES e1	PLATES e2	PINS d2	PINS b4	ARTICULATION d4	ARTICULATION d7	ARTICULATION d1	ARTICULATION d5
		Pitch	Inner plates width	Outer plates width	Plates height	height from pin center	Inner plates thickness	Outer plates thickness	pin Ø	Riveted length	Bush Ø	Small roller Ø	Plain roller Ø	Flanged roller Ø
		mm	min.	min.	max.	max.	nom.	nom.	max.	max.	max.	max.	max.	max.
Customer request														
SEDIS Proposal														
	Treatment =>													
	Minimum Breaking load (kN) =													

Special conditions of the application (environment, temperature...):

CONNECTING LINKS

N° 205

External link to be riveted

N° 208

Cottered connecting link

N° 209

Connecting link with self locking nuts

Indicate the quantity ☐ ☐ ☐

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REDLER / SCRAPER CHAIN ENQUIRY

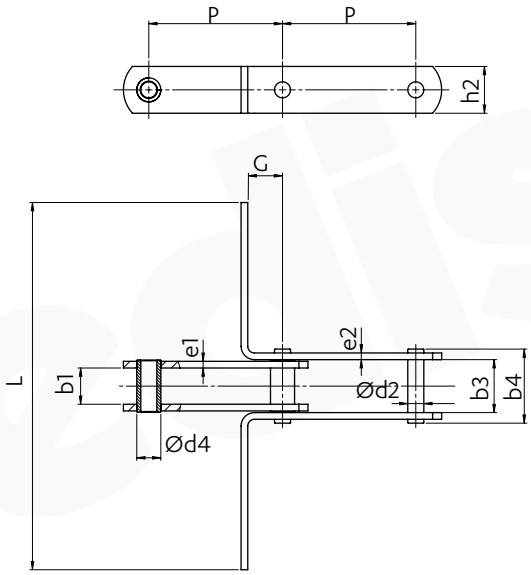
CUSTOMER INFORMATION

Company:	**Name:**	**Date:**
Email:	**Phone:**	**Fax:**

CHAIN SPECIFICATIONS

Number of chains:

Length of chain: Metres / Number of links / Feet



	Chain reference	P Pitch mm	b1 Inner plates width min.	PLATES h2 Plates height max.	e1 Inner plates thickness nom.	e2 Outer plates thickness nom.	PINS d2 pin Ø max.	b4 Riveted length max.	ARTICULATION d4 Bush Ø max.	SCRAPERS G scraper bow max.	L scraper width max.
Customer request											
SEDIS Proposal											
	Treatment =>										
	Minimum Breaking load (kN) =										

Special conditions of the application (environment, temperature...):

CONNECTING LINKS

N° 205

External link to be riveted

N° 208

Cottered connecting link

N° 209

Connecting link with self locking nuts

Indicate the quantity ☐ ☐ ☐

6 rue Nicolas Siret, CS 90104, 10003 Troyes, France • Phone: +33 (0) 3 25 76 29 50 • Fax: +33 (0) 3 25 80 31 62 • Email: https://www.sedis.com/contact

GALLE CHAIN ENQUIRY

CUSTOMER INFORMATION

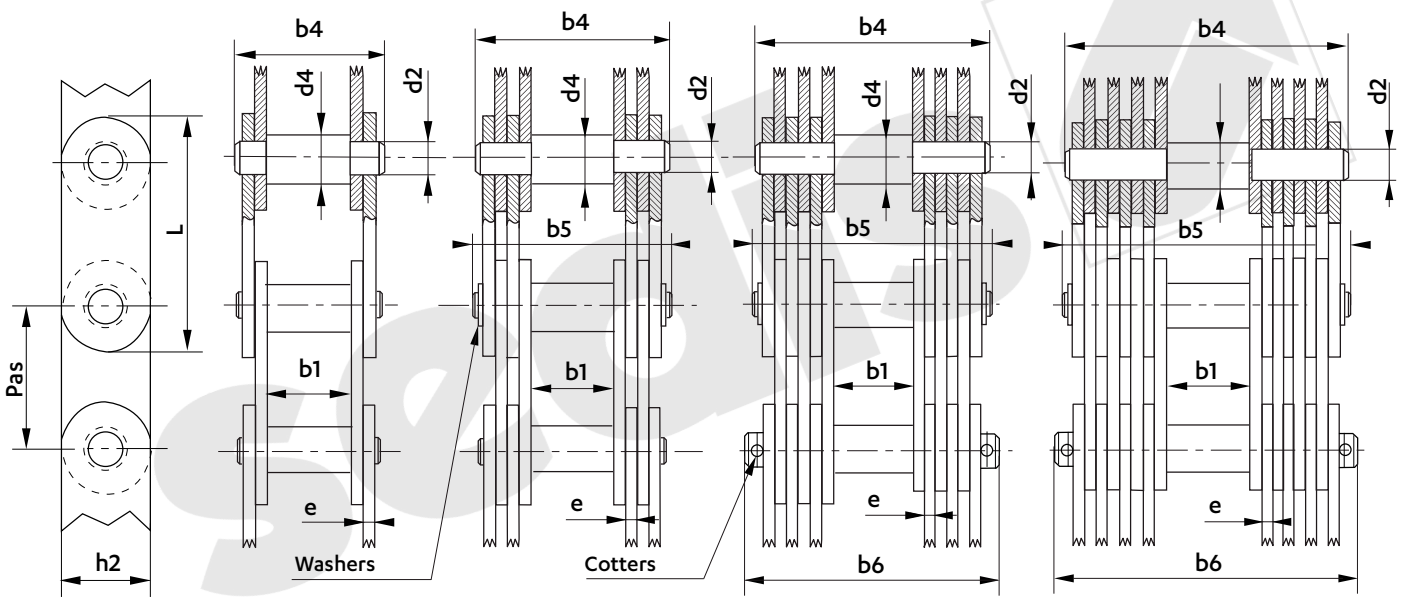
Company:	**Name:**	**Date:**
Email:	**Phone:**	**Fax:**

CHAIN SPECIFICATIONS

Number of chains:

Length of chain: Metres / Number of links / Feet

☐ Simplex ☐ Duplex ☐ Triplex ☐ Quadruplex



	Chain reference	P Pitch mm	b1 width between inner plates min.	Type of Galle chain	PLATES h2 Height max.	e Thickness nom.	L Length nom.	BEARING PINS d4 Ø max.	d2 holding Ø max.	b4 Overall width max.
Customer request										
SEDIS proposal										
	Material / Treatment =>									
	Minimum breaking load (KN) =									

Special conditions of the application (environment, temperature...), specifications :

6 rue Nicolas Siret, CS 90104, 10003 Troyes, France • Phone: +33 (0) 3 25 76 29 50 • Fax: +33 (0) 3 25 80 31 62 • email: https://www.sedis.com/contact

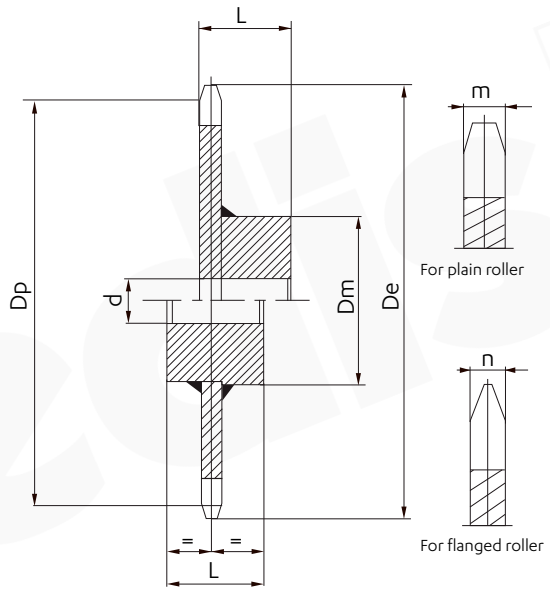
CONVEYOR CHAIN WHEEL ENQUIRY

CUSTOMER INFORMATION

Company:	**Name:**	**Date:**
Email:	**Phone:**	**Fax:**

WHEELS SPECIFICATIONS

Quantity:



	Chain type (pitch, articulation Ø)	Number of teeth Z	Circle diameter DP	Outside diameter De	HUB hub diameter Dm	HUB Bore diameter d	HUB One-sided hub L	HUB Symetrical hub L	TEETH Tooth width m	TEETH Tooth width n
Customer request										
SEDIS Proposal	Material =>									
	Treatment =>									

Special conditions of the application (environment, temperature...):

6 rue Nicolas Siret, CS 90104, 10003 Troyes, France • Phone: +33 (0) 3 25 76 29 50 • Fax: +33 (0) 3 25 80 31 62 • Email: https://www.sedis.com/contact

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POWERFUL CHAINS IN A CHANGING WORLD

SEDIS - HEAD OFFICE

6 rue Nicolas Siret
BP 90104, 10003 TROYES Cedex
France

+33 (0) 3 25 76 29 50
+33 (0) 3 25 80 31 62
https://sedis.com/contact
www.sedis.com
https://www.linkedin.com/company/sedis

SEDIS - LOGISTIC PLATFORM

9 rue de la Douane
10600 LA CHAPELLE SAINT LUC
France

+33 (0) 3 10 64 17 80

SEDIS - VERRIERES FACTORY

6 rue de Verjoux
25300 VERRIERES-DE-JOUX
France

+33 (0) 3 81 38 40 60

SEDIS - TROYES FACTORY

35 rue des Bas Trévois
CS 90104, 10003 TROYES Cedex
France

+33 (0) 3 25 76 29 50

SEDIS COMPANY LTD

248 Mackadown Lane, Kitts Green
BIRMINGHAM, B33 0LE
UK

+44 (0) 121 783 2636
sales@sedis.co.uk

SEDIS ITALIA

Via Pietro Mascagni 42
20030 SENAGO (MI)
ITALIA

+39 (0) 2 47 76 11 97
+39 (0) 2 38 23 67 76
aconan@sedis.com

SEDIS GMBH

Im Grashof 8
D- 38259 Salzgitter
DEUTSCHLAND

+33 (0)3 25 76 80 59
spidansat@sedis.com

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