



**CATALOGO TECNICO GENERALE  
GENERAL TECHNICAL CATALOGUE**

**CATENE • CHAINS**



**Un Marchio, una Garanzia  
nel trasporto e trasmissioni di potenza**

***A brand, a warranty in transport  
and power transmission***





Magazzino - *Warehouse*



Ufficio commerciale - *Sales Department*

**E.B.I. group** si è distinta negli ultimi anni in Italia, grazie alla professionalità dei suoi collaboratori, per il servizio, la consulenza ed il supporto tecnico.

**E.B.I. group**, tramite la nuova sede logistica di Verona con i suoi **5.000 mq** di magazzino automatizzato, è in grado di gestire al meglio la distribuzione dei prodotti.

**E.B.I. group** gained a relevant commercial position in Italy thanks to the expertise of his staff, as well as the service and technical support.

**E.B.I. group**, thanks to the new headquarters in Verona, with **5.000 sqm** automated a warehouse, can efficiently manage the distribution of products.

# **QUALITÀ EFFICIENZA E SODDISFAZIONE DEL CLIENTE**

## **QUALITY, SERVICE AND CUSTOMER CARE**

Tecnologie dedicate / Special Technologies



Test ed Ispezione / Inspection & Testing



Produzione/ Manufacture



# IL PARTNER IDEALE NEL TRASPORTO E TRASMISSIONE DI POTENZA

THE PERFECT PARTNER FOR TRANSPORT AND POWER TRANSMISSION



Le catene ITC sono realizzate secondo i più elevati standard qualitativi, allo scopo di soddisfare ogni tipo d'esigenza applicativa in tutti i settori industriali, dal siderurgico all'alimentare, alla meccanica in generale. **Tutti i prodotti ITC sono certificati secondo le normative più recenti in vigore in Europa.** Grazie all'ampia gamma disponibile, ITC è la risposta giusta per ogni esigenza applicativa, dalla trasmissione di potenza alle applicazioni dedicate e sviluppate in collaborazione con il cliente.

*ITC chains are manufactured according to the highest quality standards, in order to satisfy any customer's needs, in any industrial segment, from food to steel industry.*

***All ITC chains are certified according to the latest European rules and regulations.*** Thanks to the wide product range, ITC chains are the right answer for any applications, from power transmissions to custom solutions.



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## CATENE PER...

- \* Trasmissione
- \* Trasporto leggero
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- \* Trazione e Sollevamento
- \* Agricoltura
- \* Prodotti speciali

## CHAINS FOR...

- \* Power transmission
- \* Light transport
- \* Heavy transport
- \* Traction & Lifting
- \* Agriculture
- \* Special chains



# PROJECT



Qualità / Quality

Efficienza / Efficiency

Tecnologia / Technology

Professionalità / Expertise



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# TRASMISSIONE CON CATENE A RULLI

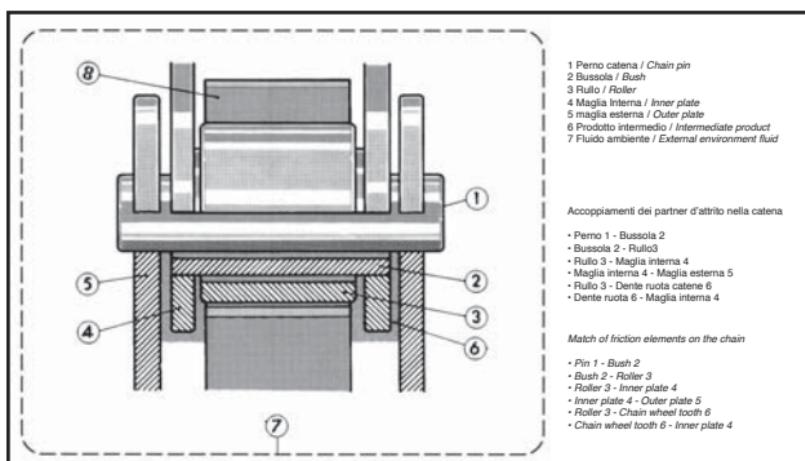
## TRANSMISSION WITH ROLLER CHAINS

**L'importanza della lubrificazione**, è uno dei principali fattori per la determinazione delle prestazioni e durata della trasmissione con catena a rulli.

Una corretta lubrificazione consente maggiore efficacia nella trasmissione del moto, e se effettuata ad intervalli regolari, ne determinerà una durata maggiore. Di contro, una scorretta manutenzione, pregiudicherà il funzionamento e nonostante l'efficacia del migliore dei progetti, anche la sua più semplice delle funzioni: la durata.

L'usura che si viene a creare fra perno e la bussola, determina la causa che si conclude con l'allungamento della catena.

Per ovviare a questo problema, si è provveduto a creare un interstizio, tra la piastra della maglia interna e la piastra della maglia esterna. Una corretta lubrificazione, provvederà a "colmare" questa specie d'intercapedine, che riceverebbe così l'olio necessario ad una corretta lubrificazione. Il velo d'olio che si verrebbe a creare, nel contatto fra le parti di cui sopra, se debitamente "rabboccato" provvederà ad aumentare la durata della catena stessa, diminuendo al tempo stesso la rumorosità della trasmissione.



*One of the most important factors to determine the performances and life of a transmission with roller chains, is the lubrication.*

*A good and correct lubrication allows a greater efficacy in motion and, when it is regularly repeated, a longer life. On the other hand, an incorrect upkeep compromises functioning and life.*

*The wear existing between the pin and the sleeve determines the cause that ends in chain extension. To avoid this problem, a "space" between the plate of the inner plate and the plate of the outer plate has been created.*

*A correct lubrication helps to fill this space up, in this way oil is enough to guarantee a correct working. The veil of oil created by the contact between the above parts, when duly topped up, increases the life and decreases the noise of the transmission.*

# FORMULARIO DI BASE, PER IL CALCOLO DELLE TRASMISSIONI A CATENA

## BASIC FORMULAS TO CALCULATE TRANSMISSIONS WITH CHAIN

La determinazione dello sforzo motore, che si viene a creare nei trasportatori e negli elevatori a catena, sono da sempre oggetto di studio specifico, per una giusta determinazione e progettazione della trasmissione con catene a rulli. Sollecitazioni, torsioni varie e flessioni, sono il problema iniziale da riscontrare e se possibile da neutralizzare, già in fase di progettazione.

Qui di seguito, elenchiamo il significato di simboli e lettere, impiegati nelle formule sotto riportate:

- $\alpha$  = angolo d'inclinazione dell'elevatore o del trasportatore  
 $C$  = trazione aggiuntiva necessaria allo scorrimento di tapparelle o tazze  
 $F$  = coefficiente d'attrito radente, tra catene e guide (vedere tabella)  
 $RF$  = coefficiente d'attrito volvente (vedere tabella)

$F_1$  = coefficiente d'attrito radente tra il materiale da trasportare, sabbia, polvere di vetro, carboni, ecc. ed i canali dei trasportatore

$L$  = lunghezza del ramo del trasportatore o dell'elevatore tra il centro dell'albero della ruota comando e quella denominata "rinvio", espressa in metri

$P$  = è lo sforzo periferico espresso in kg. Agisce sulla circonferenza primitiva del sistema volvente (ruote) sforzo o spunto, che dev'essere superato per la messa in moto del meccanismo.

$P_1$  = è lo sforzo periferico totale, corrispondente a  $V$ , agente sulla circonferenza primitiva della ruota (pignone o puleggia di comando), maggiorato di " $C$ " e delle resistenze passive della trasmissione, precisamente del:

10% per gli attriti degli assi di comando e di rinvio  
15% per ogni coppia d'ingranaggi di riduzione  
50% se la riduzione è costituita da un riduttore a vite ad elica

$Q$  = è il peso della catena, tapparelle, piastre, tazze, per metro lineare

$q$  = è il peso del materiale, per metro di trasportatore (sabbia, polveri, carbone, ecc.)

$N$  = potenza espressa in HP occorrente =  $\frac{P_1 \times V}{75}$

la potenza necessaria ottenuta sarà poi, eventualmente maggiorata a seconda delle casalità, per tener conto dei sovraccarichi in partenza, ecc.

$Q_1$  = potenza d'elevazione o portata in tonn/h  
 $3,6 \times g \frac{P \times V'' \text{ e } p}{d} = \frac{d Q_1}{3,6 \times g \times V''}$

$g$  = grado di riempimento tazze = 0,7/0,8 per materiali polverosi, e 0,4/0,5 per materiali di pezzatura grossa o media

$d$  = distanza, tra una tazza e l'altra, espressa in metri

The identification of engine stress, which is present both in transporters and in chain elevators, must be studied in order to project and develop transmission with roller chains. Strains, torsions and bends, if present, have to be neutralized during design.

Below, meaning of letters and symbols used in the formula:

- $\alpha$  = angle of inclination of transporter or elevator  
 $C$  = additional traction for flat-top chains and cups sliding  
 $F$  = coefficient of sliding friction, between chains and guides (see table)  
 $RF$  = coefficient of rolling friction (see table)

$F_1$  = coefficient of sliding friction between goods to transport (sand, dust of glass, carbons...) and races of transporter.

$L$  = length of transporter or elevator, between the center of controlling wheel and center of "returning" wheel, expressed in mts.

$P$  = peripheral stress expressed in kg. It works on wheels pitch line: this stress has to be surpassed to start the mechanism

$P_1$  = total peripheral stress, equal to  $V$ , working on wheel pitch line (sprocket or driving pulley) increased by " $C$ " and by passive resistances of transmission. in detail:

10% for friction of return and control axles  
15% for each couple of reduction gear  
50% if reduction derives from a worm reduction unit or a propeller reduction unit

$Q$  = weight of chain, flat top chains, plates, cups, for linear meter.

$q$  = weight of material, for meter of transporter (sand, dusts, carbon...)

$N$  = power in HP =  $\frac{P_1 \times V''}{75}$  the power obtained can be uprated in some cases: initial over loads for example.

$Q_1$  = elevation power or capacity load in tonn/h  
 $3,6 \times g \frac{P \times V'' \text{ e } p}{d} = \frac{d Q_1}{3,6 \times g \times V''}$

$g$  = level of cups filling = 0,7/0,8 for dusting materials and 0,4/0,5 for medium or big size materials

$d$  = distance, between one cup and the other, expressed in meters

$V^*$  = Velocità espressa in m/sec, è =  $0,105 \times R \times n$ ; oppure:  
 $\frac{(\pi D n)}{60}$

$R_p$  = raggio primitivo della ruota di comando espressa in metri

$n$  = numeri di giri/minuto, della ruota comando

$p$  = peso in kg dei materiali che ogni tazza può contenere (considerandola piena) senza cioè tenere conto del calcolo del grado di riempimento "g"

coefficienti di attrito radente:

$F$ = 0,33	fra metallo e metallo
$F_1$ = 0,59	fra metallo e carbone
= 0,33	fra metallo ed antracite
= 0,53	fra metallo e cenere (score umide)
= 0,60	fra metallo e sabbie
= 0,59	fra metallo e calcare
= 0,33	fra metallo e grano

coefficienti di attrito volvente:

$$RF = X \frac{x}{D} + \frac{2y}{D}$$

Dove:

$X$  = 0,33 fra metallo e metallo (non lubrificato)

$X$  = 0,20 fra metallo e metallo (lubrificato)

$D$  = diametro del rullo, espresso in mm.

$d$  = diametro del perno o della bussola intorno ai quali ruota il rullo (in mm.)

$y$  = mm. 0,75 fra metallo e metallo in condizioni medie

Valori di C:

Per elevatori verticali ..... 0,15 + 0,40 P

Per trasportatori inclinati ..... 0,05 + 0,15 P

Per trasportatori orizzontali ..... 0,05 + 0,10 P

### Tensione nelle catenarie

Nel caso di un elevatore verticale a catene semplici, lo sforzo di tensione sarà uguale a quello rappresentato dallo sforzo motore P.

Ovviamenle, nel caso di catenaria doppia, lo sforzo di tensione, in ogni catena, corrisponderà alla metà di quanto sopra indicato.

Nel caso di trasportatori orizzontali, lo sforzo di tensione sulle catene, sarà uguale allo sforzo di trazione nel caso della catena semplice, oppure corrisponderà alla metà di tale sforzo, nel caso di catena doppia.

Nel caso invece di trasportatori inclinati, si calcolerà lo sforzo della catena come somma degli sforzi prodotti dalla quota di peso del tratto portante e della quota del peso trasportato, purché l'inclinazione sia sufficiente affinché il tratto di ritorno possa scendere per semplice gravità. Se detta inclinazione fosse insufficiente, ed il tratto di ritorno debba essere forzato a scendere dalla ruota, allora si dovrà tener conto anche di questo sforzo.

Sforzo motore. Elevatori verticali

$$1) P = (q + Q) \times L$$

$V^*$  = speed expressed in m/sec is =  $0,105 \times R \times n$ ; or:  
 $\frac{(\pi D n)}{60}$

$R_p$  = primitive radius of controlling wheel, expressed in mt  
 $n$  = number of revolutions per minute, of controlling wheel  
 $p$  = weight in kg of materials that every cup can contain (when full), without "g" degree of filling up

coefficients of grazing friction:

$F$ = 0,33	between steel and steel
$F_1$ = 0,59	between steel and carbon
= 0,33	between steel and anthracite
= 0,53	between steel and ash (damp slags)
= 0,60	between steel and sands
= 0,59	between steel and limestone
= 0,33	between steel and wheat

coefficients of rolling friction:

$$RF = X \frac{x}{D} + \frac{2y}{D}$$

Where:

$X$  = 0,33 between steel and steel (not lubricated)

$X$  = 0,20 between steel and steel (lubricated)

$D$  = roller diam. expressed in mm

$d$  = diameter of pin or sleeve, around which rotates the roller (in mm)

$y$  = mm. 0,75 between steel and steel in medium conditions

C values:

For vertical elevators ..... 0,15 + 0,40 P

For slanting conveyors ..... 0,05 + 0,15 P

For horizontal conveyors ..... 0,05 + 0,10 P

### Stretch in catenary

In a vertical elevator with single strand chains, tension stress is equal to "P" stress engine. When the catenary is double, tension stress in every chain, is half of what above indicated. In horizontal conveyors, tension stress on chains is the same as the one of single strand chain or half of this stress if the chain is double.

In sloping conveyors the stress is in this way calculated: the sum of stress produced from the weight of bearing section and from transported weight. The inclination has to be sufficient and the returning way has to go down by simple gravity.

When this inclination is not enough and the returning section is forced to go down from the wheel, in this case we have to note this stress as well.

Engine stress. Vertical elevators

$$1) P = (q + Q) \times L$$

Ecco alcuni esempi:

### ESEMPIO N. 1

#### Elevatori verticali:

Elevatore a tazze per carbone coke pezzatura media peso specifico circa kg 400 m<sup>3</sup>. Portata richiesta tonn 4,8 ora = 12 m<sup>3</sup>. Interasse dell'elevatore mt 10.

Fissati:

$$g = 0,5$$

$$d = \text{mt } 0,330$$

$$v = \text{mt } 1'$$

$$n = 40 \text{ a } 1'$$

$$Rp = \text{mt } 0,250$$

$$Q = \text{kg } 5 \text{ (peso per mt di catena tazze, ganci, etc.)}$$

$$q = \text{kg } 1,300 \text{ peso per mt dei materiali elevati}$$

Il sistema di tensione è a vite, ma costruito razionalmente. 1 coppia di ingranaggi di riduzione con rendimento  $\epsilon = 0,85$ .

Assi montati su cuscinetti a sfere.

Calcolo portata:

$$Q_1 = 3,6 \text{ g } \frac{p}{d} v^{\epsilon} \text{ e quindi: } 4,8 = 3,6 \text{ g } \frac{p}{d} x l = 4,8 =$$

$$3,6 \times 0,5 \times \frac{p}{0,330} \times l =$$

da cui:

$$p = \frac{d Q_1}{3,6 \times g \times v^{\epsilon}} = \frac{0,330 \times 4,8}{3,6 \times 0,5 \times 1} = \frac{1,58}{1,8}$$

= kg 0,880 (peso di ogni tazza teoricamente piena).

Infatti:

$$Q_1 = 3,6 \times 0,5 \times \frac{0,880}{0,330} \times l = 4,8 \text{ tonn/ora.}$$

Controllo della portata:

Per L = 10 mt = a 31,5 tazze a kg 0,880 cad.

$$= (x g = 0,5) = 0,440 \text{ kg cad.}$$

Quindi N. 31,5 tazze x kg 0,440 = kg 13,325 per 10 mt di L.

Siccome la velocità è di 1 mt" ne conseguono che si eleveranno in 10" kg 13,325 di materiale, e quindi in 1" = kg 1,3325, e in un'ora kg 1,3325 x 3600," = kg 4,800.

Calcolo della potenza occorrente:

$$P = (q + Q) \times L$$

$$P_1 = P + C + \text{resistenze passive}$$

$$P = (q + Q) \times L = (1,300 + 5) \times 10 = \text{kg } 65 -$$

$$P_1 = 65 + C + (\text{resistenze passive}) = (65 + 0,2 P) + 0,15 = (P + C) = 78 + (0,15 \times 78) = \text{kg } 90.$$

Conseguentemente:

$$N = \frac{P_1 \times v^{\epsilon}}{75} = \frac{90 \times 1}{75} = 1,2 \text{ HP potenza effettiva da applicarsi.}$$

### ESEMPIO N. 2

Trasportatore orizzontale a tapparelle o a nastro che portano il materiale. Abbiamo da trascinare sopra di un piano lungo mt 10 a mezzo di catene con ruoli di scorrimento non lubrificati ( $F = 0,33$ ) dei diametro di mm 100 e ruotanti intorno a degli assi di mm 38, un peso di kg 2000, dei quali kg 800 sono rappresentati dal peso della catena ed accessori (0) e kg 1200 dal carico (q).

Some examples:

### EXAMPLE No 1

#### Vertical elevators:

Cups elevator for coke coal, medium size, specific weight kg 400 m<sup>3</sup> more or less. Capacity 4,8 ton per hour = 12 m<sup>3</sup>. Distance between centers of elevator 10 mt.

Fixed:

$$g = 0,5$$

$$d = \text{mt } 0,330$$

$$v = \text{mt } 1'$$

$$n = 40 \text{ a } 1'$$

$$Rp = \text{mt } 0,250$$

$$Q = 5 \text{ kg (per cups chain mt, hooks, etc)}$$

$$q = 1,300 \text{ kg per mt of raised material}$$

Tension system is by screw, but rationally manufactured. 1 pair of reduction gears with efficiency  $\epsilon = 0,85$ . Axed assembled on roller bearings.

Calculation of capacity:

$$Q_1 = 3,6 \text{ g } \frac{p}{d} v^{\epsilon} \text{ therefore: } 4,8 = 3,6 \text{ g } \frac{p}{d} \times l = 4,8 =$$

$$3,6 \times 0,5 \times \frac{p}{0,330} \times l =$$

then:

$$p = \frac{d Q_1}{3,6 \times g \times v^{\epsilon}} = \frac{0,330 \times 4,8}{3,6 \times 0,5 \times 1} = \frac{1,58}{1,8}$$

$$= 0,880 \text{ kg (weight of every cup, full).}$$

In fact:

$$Q_1 = 3,6 \times 0,5 \times \frac{0,880}{0,330} \times l = 4,8 \text{ tonn/hour.}$$

Check of capacity:

For L = 10 mt = a 31,5 cups of kg 0,880 cad.

$$= (x g = 0,5) = 0,440 \text{ kg each.}$$

Therefore No 31,5 cups for kg 0,440 = kg 13,325 for 10 mt of L.

Speed is 1 mt", therefore in 10", kg 13,325 of materials will be raised in 1h 1" = 1,3325, in 1h kg 1,3325 x 3600," = kg 4,800.

Calculation of necessary power:

$$P = (q + Q) \times L$$

$$P_1 = P + C + \text{passive resistances}$$

$$P = (q + Q) \times L = (1,300 + 5) \times 10 = \text{kg } 65 -$$

$$P_1 = 65 + C + (\text{passive resistances}) = (65 + 0,2 P) + 0,15 = (P + C) = 78 + (0,15 \times 78) = \text{kg } 90.$$

Therefore:

$$N = \frac{P_1 \times v^{\epsilon}}{75} = \frac{90 \times 1}{75} = 1,2 \text{ HP effective power to apply.}$$

### EXAMPLE No 2

Horizontal flat top chain conveyors or horizontal belt conveyor to transport the stuff. A weight of 2000 kg has to be transported on a 10 mt. level: 800 kg are the weight of the chain and its accessory (0), the other 1200 kg. are the weight of the load (q). This level works thanks to chains with not lubricated sliding rollers ( $F = 0,33$ ), of 100 mm diameter that rolls round mm 38 axles.

Applichiamo la formula:  $P = (2 \times Q + q) \times L \times RF =$   
 dove  $RF = X \times \frac{d}{D} + \frac{2y}{D} = 0,33 \frac{38}{100} + \frac{2 \times 0,75}{100} = 0,1606$   
 $P = (2 \times 80 + 120) \times (10 \times 0,1606)$   
 $P = (160 + 120) \times (1,606)$   
 $P = 280 \times 1,606 = \text{kg } 449.$

Lo sforzo motore totale di trascinamento  $P_1$  sarà eguale a  $P$  maggiorato come abbiamo visto precedentemente delle resistenze passive.

La potenza  $N$  da applicarsi,  $N = \frac{P_1 \times v''}{75}$

La potenza ottenuta sarà maggiorata a seconda dei casi, (lunghezza del trasportatore, natura del carico ed el sistema di carico) sino ad una volta e mezzo per tenere conto dell'eventuale maggiore sforzo per avviamento sotto carico.

### ESEMPIO N.3

**Trasportatore inclinato a tapparelle portanti i materiale.**  
 Distanza fra i centri degli assi di comando e di ritorno mt 50.  
 Inclinazione 23°.

Il peso  $Q$  del trasportatore a vuoto è, per mt 1 di kg 136.  
 Il peso  $q$  dei materiali da trasportare è per mt 1 di kg 297.  
 Le catene hanno dei rulli lubrificati del diametro di mm 152.

I detti rulli ruotano attorno a dei perni dei diametro di mm 38.

Quindi:

$L = 50 \text{ mt}; \alpha = 23^\circ; \sin 23^\circ = 0,39; \cos 23^\circ = 0,92.$

$Q \text{ kg } 136; q = \text{kg } 297.$

$$RF = 0,20 \times \frac{38}{152} + \frac{2 \times 0,75}{152} = 0,06.$$

Abbiamo tenuto  $X = 0,20$  per rulli lubrificati.

Applichiamo la formula:

$$P = L \cdot (Q + q) \times [(\cos \alpha \cdot RF) + \sin \alpha] + (Q \times L) \cdot [(\cos \alpha \cdot RF) - \sin \alpha].$$

$$P = 50 \times (136 + 297) \times (0,92 \times 0,06) + 0,39 + (136 \times 50) \times (0,92 \times 0,06) - 0,39.$$

$$P = 21.650 \times (0,445) + 6.800 \times (-0,335).$$

$P = 9.634 - 2278 = 7356 \text{ kg}$  che è lo sforzo periferico agente sulla circonferenza primitiva delle ruote di comando.  
 Lo sforzo motore così determinato dovrà essere aumentato delle resistenze passive a seconda di quanto visti precedentemente, per ottenerne  $P_1$ .

$$\text{La potenza } N \text{ da applicare in HP sarà: } = \frac{P_1 \times v''}{75}$$

Bisognerà inoltre maggiorare la potenza così ottenuta, a seconda dei casi, sino ad una volta e mezzo per tenere conto delle eventuali partenze sotto carico.  
 Precisiamo per questo esempio che lo sforzo torcente o sforzo periferico sarà dunque in kg 7356. Mentre la tensione totale sulle catene kg 9634 ( $P + (L \times 0) \times \sin \alpha$ ) ossia (7356 + (50 x 136) x 0,39). Quella flettente per il calcolo degli assi sarà = a kg 11912 ossia 9634 + 2278.  
 Anche per i calcoli dei trasportatori precedenti bisognerà procedere come sopra, sempre facendo attenzione, se il tratto di ritorno scende per semplice gravità o meno. Nell'esempio sopra elencato abbiamo aggiunto la tensione delle catene, appunto anche questo sforzo dato che l'inclinazione non era sufficiente a fare scendere il tratto di ritorno per semplice gravità.

The formula:  $P = (2 \times Q + q) \times (L \times RF) =$  must be used

$$\text{where } RF = X \times \frac{d}{D} + \frac{2y}{D} = 0,33 \frac{38}{100} + \frac{2 \times 0,75}{100} = 0,1606$$

$$P = (2 \times 80 + 120) \times (10 \times 0,1606)$$

$$P = (160 + 120) \times (1,606)$$

$$P = 280 \times 1,606 = \text{kg } 449.$$

$P_1$ : total stress engine of dragging is equal to  $P$  increased by passive resistances.

$$\text{N. power to apply, } N = \frac{P_1 \times v''}{75}$$

The obtained power will be increased, case by case, (length of conveyor, kind of load and kind of loading system) up to 1 time and half to include possible greater stress in case of starting under load.

### EXAMPLE No 3

**Sliding flat top chain conveyor transporting material.**  
 Distance among centers of control axles and return 50 mt, inclination 23°.

The weight  $Q$  of an empty conveyor is for 1 mt of 136 kg.  
 The weight  $q$  of stuff to transport is for 1 mt of 297 kg.  
 Chains have lubricated roller of 152 mm. diameter. These rollers rotate round 38 mm. diam. pins.

Therefore:

$$L = 50 \text{ mt}; \alpha = 23^\circ; \sin 23^\circ = 0,39; \cos 23^\circ = 0,92.$$

$$Q \text{ kg } 136; q = \text{kg } 297.$$

$$RF = 0,20 \times \frac{38}{152} + \frac{2 \times 0,75}{152} = 0,06.$$

Where  $X = 0,20$  for lubricated rollers.

The following formula has to be applied:

$$P = L \cdot (Q + q) \times [(\cos \alpha \cdot RF) + \sin \alpha] + (Q \times L) \cdot [(\cos \alpha \cdot RF) - \sin \alpha].$$

$$P = 50 \times (136 + 297) \times (0,92 \times 0,06) + 0,39 + (136 \times 50) \times (0,92 \times 0,06) - 0,39.$$

$$P = 21.650 \times (0,445) + 6.800 \times (-0,335).$$

$P = 9.634 - 2278 = 7356 \text{ kg}$  which is the peripheral stress acting on control wheels pitch line. The obtained engine stress has to be increased by passive resistances, as seen before, to get  $P_1$ .

$$\text{N power to apply in HP, will be: } = \frac{P_1 \times v''}{75}$$

Moreover the obtained power will be increased, case by case, up to 1 time and half to include possible starting under load. For this example, the twisting stress or peripheral stress is in kg 7356. Total stretch on chains is 9634 kg. ( $P + (L \times 0) \times \sin \alpha$ ) that is 7356 + (50 x 136) x 0,39).

The bending tension of axles will be = 1912 kg whereas 9634 + 2278.

For calculations of previous conveyors, we have to proceed as above; it is important to pay particular attention to the way of returning section: if this descends for gravity or other. In our example, in fact, we had to add a further stress: the chains tension: the inclination wasn't enough to enable the returning section to descend for simple gravity.

# LA LUBRIFICAZIONE DELLE CATENE

## LUBRICATION CHAINS

### Lubrificazione continua a goccia o a grasso

Mediante oliatore a goccia o apparecchio di lubrificazione a goccia le gocci di lubrificante vengono lasciate cadere sulla parte superiore della maglia della catena. Affinché l'olio possa raggiungere i punti d'attrito le aperture di efflusso del tubo erogatore devono trovarsi al di sopra delle maglie (Fig. 40). La sequela delle gocci è regolabile. Se dalla catena non gocciola del lubrificante e se i perni, cioè i corpi rotanti, presentano un film lubrificante uniforme, la sequela delle gocci è corretta. Per motivi economici e di pulizia si dovrà impiegare olio nella quantità minima sufficiente. Impianti per grasso, che alimentino le catene col lubrificante mediante nippelli, effettuano la lubrificazione a grasso in continuo.

### Lubrificazione continua a bagno d'olio o lubrificazione mediante dischi di centrifugazione

La catena in movimento si immerge nel bagno, nel caso di lubrificazione in continuo, fino alla metà del perno. Un'immersione più in profondità provoca riscaldamento eccessivo e ossidazione dell'olio come pure perdita di prestazioni a causa dell'aumento della resistenza allo scorrimento.

#### Lubrificazione continua a passaggio

(Lubrificazione in continuo)

"La lubrificazione continua a passaggio è un procedimento mediante il quale il lubrificante viene addotto in continuo sul punto di attrito"

La lubrificazione a bagno d'olio offre elevata sicurezza contro la lubrificazione insufficiente, poiché l'immersione della catena comporta l'adduzione forzata del lubrificante sugli snodi catena. Sia per la lubrificazione a bagno d'olio, sia per la lubrificazione mediante dischi di centrifugazione sono richiesti alloggiamenti per catene chiusi. Il disco di centrifugazione, montato sull'albero della ruota catena, consente una migliore adduzione del lubrificante sugli snodi catena rispetto alla lubrificazione a bagno d'olio. L'olio viene, in tal caso, centrifugato sulla parete dell'alloggiamento al di sopra della catena e da lì addotto alla stessa attraverso canalini di gocciolamento. In tal caso solo il disco di centrifugazione viene immerso nel bagno, ma non la catena. In caso contrario aumenterebbe inutilmente la resistenza allo scorrimento e l'olio formerebbe schiuma.

La riserva di olio deve essere sostituita quando essa è lodata e la morschia oleosa deve essere eliminata. Si dovrà controllare regolarmente il livello dell'olio.

### Drip-feed continuous lubrication

*By using a drip-feed lubrication system, the lubricant falls on the top of the chain links.*

*In order to reach the friction areas of pins and bushes, the drip-hose must be placed over the top of the chain. The flow of the drops should be adjustable. Lubricant drops should not fall from the chain and, at the same time, a constant lubricant film should be guaranteed on pins and bushes.*

*For economical and environmental reasons, a minimum quantity of lubricant should be used.*

*It is possible to use automatic greasing devices, lubricating the chain continuously through grease nipples.*

### Bath oil and centripetal continuous lubrication

*The moving chain dips in the oil bath until the center of the pins reaches the oil level.*

*If the oil level was higher, overheating and oxidation of the lubricant would be possible; the chain performances would also be affected because of the increase of the friction between pins and bushes.*

#### Continuous Lubrication

*Continuous lubrication is based on an uninterrupted flow of lubricant onto the friction points of the chain.*

*The oil bath system guarantees good safety from poor lubrication, because dipping the chain in the lubricant implies forced flow of lubricant onto the friction points of the chain.*

*Both bath oil lubrication and centripetal discs lubrication systems require closed chain covers. The centripetal disc, installed on the sprocket shaft, allows a better flow of lubricant onto the friction point of the chain compared to bath oil systems.*

*The lubricant is forced by the motion of the centripetal disc to adhere to the chain cover's surfaces on the top of the chain and then falls onto the chain through the drip channels. With this system, only the centripetal disc is dipped in the lubricant, not the chain. If the chain was dipped in the lubricant, increase of friction, wear and lubricant foaming could occur. The lubricant should be changed when the contaminating agents have accumulated in the lubricant. The lubricant level should be regularly monitored.*

**Lubrificazione continua a circolazione forzata**

Tale sistema di lubrificazione si è affermato per il raffreddamento della catena mediante olio. Inoltre, per un funzionamento in continuo ineccepibile non è richiesta pulizia della catena, dato che l'olio la deterge. L'olio deve essere sostituito regolarmente secondo le indicazioni del Costruttore di macchine.

L'olio lubrificante viene addotto nel senso del moto della catena, obliquamente, sulla parte interna del tratto libero di questa. Il flusso d'olio in circolazione deve essere scelto in quantità tale che l'olio non si riscaldi al di sopra della sua temperatura superiore. In caso di necessità un primo flusso di olio potrà essere inviato sul tratto libero della catena, un secondo flusso sul tratto in trazione della stessa. L'olio, prima di essere riaddotto, deve essere filtrato.

La lubrificazione a Circolazione forzata, effettuata con speciali ugelli di spruzzo, consente una migliore adduzione del lubrificante. Per gli ugelli di spruzzo è indicato un olio a media viscosità. Questo sistema di lubrificazione è denominato anche "lubrificazione a spruzzo".

**Lubrificazione continua olio-aria**

Tale sistema consente il raffreddamento delle catene mediante aria e la lubrificazione con quantità minime di lubrificante. L'olio lubrificante viene addotto obliquamente nel senso di scorimento della catena.

**Forced circulation continuous lubrication system**

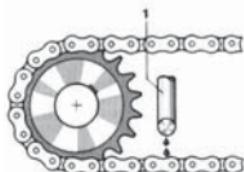
*This system guarantees lubrication and cooling of the chain. Besides, cleaning of the chain is not required because the lubricant washes away the dirt from the chain. The lubricant should be regularly changed according to the maintenance instructions of the manufacturer of the machine.*

*The lubricant is forced onto the chain in the direction of the chain's motion, obliquely, on the inner side of the chain, immediately before the sprockets' teeth. The lubrication flow should guarantee no over-heating of the lubricant itself. If necessary, an additional lubricant flow can be placed on top of the loose chain. The lubricant should be filtered before being put in circulation again.*

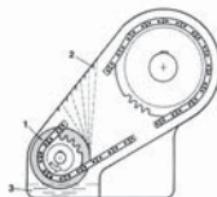
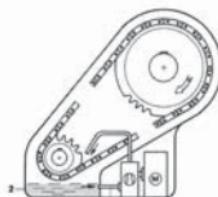
*The forced circulation guarantees better flow of the lubricant. A medium grade viscosity lubricant is suggested for this lubrication technology. Such systems are called "Spray lubrication".*

**Oil-air Continuous lubrication**

*With this system chains are cooled with air flow with minimum quantities of lubricant. The lubricant is sprayed obliquely in the direction of the motion of the chain.*

**Lubrificazione a goccia  
Dry-feed lubrication**

1 Tubo a goccia con efflusso / Drip-hose

**Lubrificazione con dischi di centrifuga  
Eath oil lubrication**
 1 Disco di centrifugazione / Centrifugal fly-wheel  
 2 Canalini di gocciolamento / Drip channels  
 3 Serbatoio olio / Oil tank
**Lubrificazione a circolazione forzata  
Pressure lubrication**
 1 Tubo di aspirazione / Inlet hose  
 2 Serbatoio olio / Oil tank

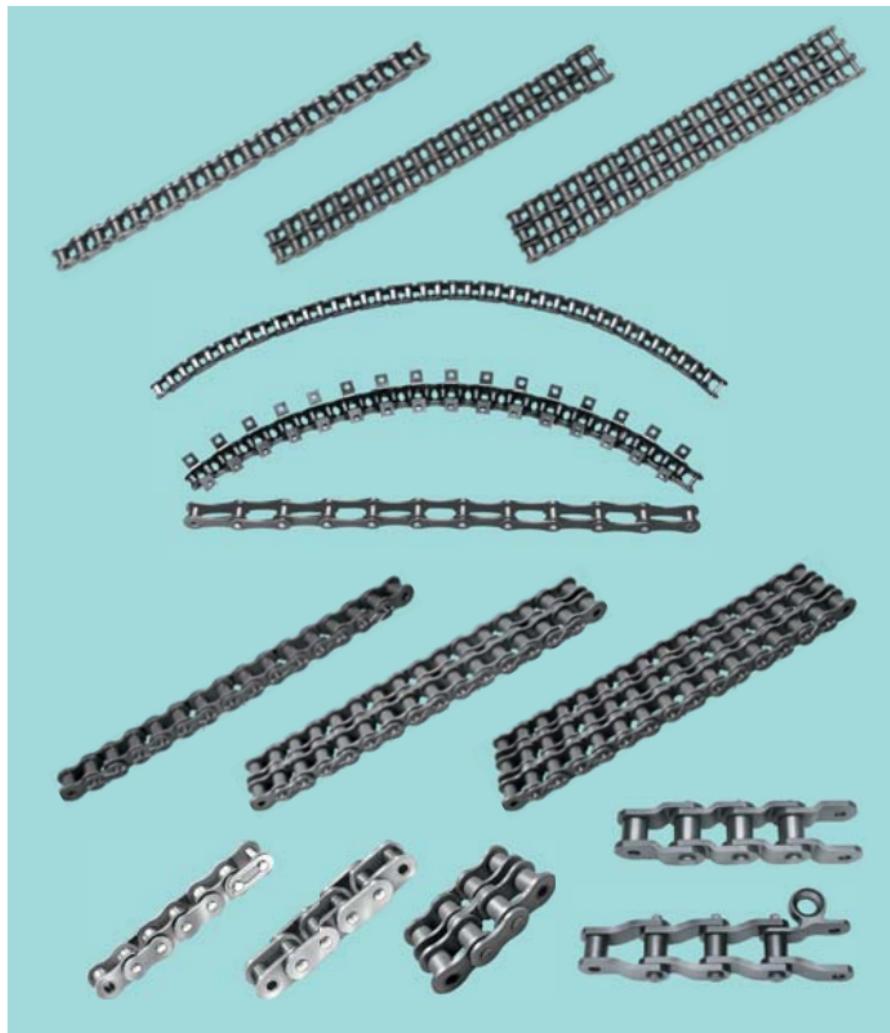
# CATENE A RULLI PER TRASMISSIONE E TRASPORTO LEGGERO

## DRIVING CHAINS

1

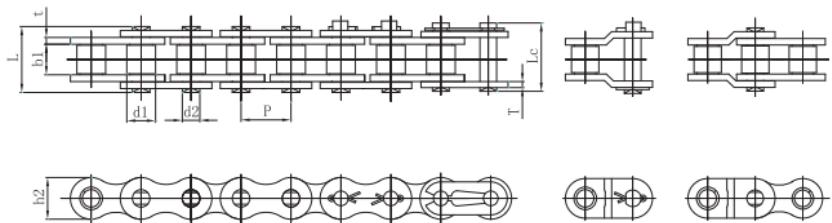


Catene a rulli per trasmissione e trasporto leggero / Driving Chains



Prodotto Product		Catena a Rulli Roller Chain	Nota Note
Elemento Component		Giunto a ribadire Pin Link (Rivet Type)	
Elemento Component		Giunto con copiglia Pin Link (Cotter Type)	Serraggio elevato della piastra mediante le 2 copiglie Fit Plate Tightly Against 2 Pins
Elemento Component		Maglia interna Roller Link	
Pezzo Part		Perno Pin	
Pezzo Part		Bussola Bush	
Pezzo Part		Rullo Roller	
Pezzo Part		Maglia esterna Pin Link Plate (outer Link Plate)	
Pezzo Part		Maglia interna Roller Link Plate (Inner Link Plate)	
Giunto Connecting Link		Giunto con 2 copiglie Connecting Link With 2 Cotters	Indicata per passi > 25,4 Suggest:P > 25.4
Giunto Connecting Link		Giunto con molletta Connecting Link With A Spring Clip	Indicata per passi < 19,05 Suggest:P < 19.05
Giunto Connecting Link		Giunto rinforzato con 2 copiglie Connecting Link With 2 Cotters (Fit Connecting Plate Tightly Against 2 Pins)	Indicata per carichi elevati Used For High Power
Maglia falsa Offset Link		Falsa maglia con copiglia Offset Link	Non indicata per carichi elevati e alta velocità
Maglia falsa Offset Link		Falsa maglia a tre rulli Offset Link With A Roller Link	Not To Be Used For Heavy Duty And High Speed

## Catene a rulli semplici / Single Strand Roller Chains



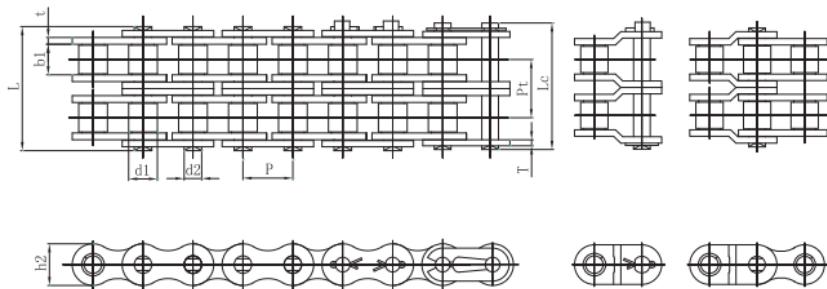
### SERIE EUROPEA / EUROPEAN SERIES

Catena ISO/DIN ISO/DIN Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribaltata Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Passo trasv. Transverse pitch	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
					d <sub>1</sub> max	b <sub>1</sub> min						
					mm	mm						
05B-1	8.00	5.00	3.00	2.31	8.20	8.90	7.10	0.80	-	4.40/5.00	5.90	0.20
* 06B-1	9.525	6.35	5.72	3.28	13.15	15.15	8.26	1.34	-	8.90/9.00	10.30	0.41
08B-1	12.70	8.51	7.75	4.45	16.95	19.05	11.81	1.60	-	17.80/18.00	19.60	0.69
10B-1	15.875	10.16	9.65	5.08	19.50	22.0	14.73	1.70	-	22.20/22.40	27.50	0.93
12B-1	19.05	12.07	11.68	5.72	22.50	25.10	16.13	1.85	-	28.90/29.00	33.30	1.15
16B-1	25.40	15.88	17.02	8.28	36.10	41.50	21.08	4.09/3.10	-	60.00	71.00	2.71
20B-1	31.75	19.05	19.58	10.19	42.40	47.60	26.42	4.60/3.60	-	95.00	101.80	3.70
24B-1	38.10	25.40	25.40	14.63	53.40	57.10	33.40	5.80/4.80	-	160.00	176.00	7.10
28B-1	44.45	27.94	30.99	15.90	65.10	69.40	37.08	7.50/6.50	-	200.00	216.60	8.50
32B-1	50.80	29.21	30.99	17.81	66.00	69.50	42.29	7.00/6.00	-	250.00	280.30	10.25
40B-1	63.50	39.37	38.10	22.89	82.80	91.30	52.96	8.50/7.50	-	355.00	392.00	16.35
48B-1	76.20	48.26	45.72	29.24	99.10	109.60	63.88	11.70/10.00	-	560.00	599.20	25.00
56B-1	88.90	53.98	53.34	34.32	114.6	123.0	77.80	13.5/12.0	-	850.0	940.0	35.78
64B-1	101.60	63.50	60.96	39.40	130.0	138.5	90.17	15.0/13.0	-	1120.0	1240.0	46.00
72B-1	114.30	72.39	68.58	44.48	147.4	156.4	103.60	17.0/15.0	-	1400.0	1550.0	60.80

\*Con piastre a profilo diritto

\*Straight side plates

## Catene a rulli doppie / Double Strand Roller Chains



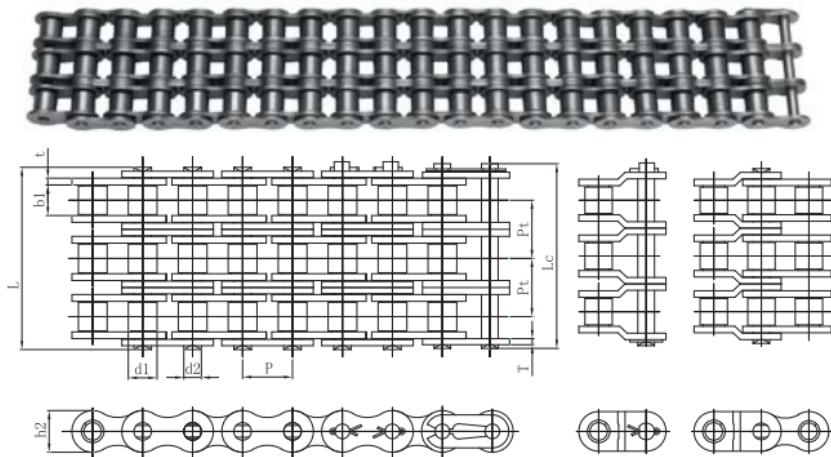
## SERIE EUROPEA / EUROPEAN SERIES

Catena ISO/DIN ISO/DIN Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza Internaz Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadito Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Passo trasv. Transverse pitch	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max						
		mm	mm	mm	mm	mm						
05B-2	6,00	5,00	3,00	2,31	13,90	14,50	7,10	0,80	5,64	7,80	10,20	0,33
*06B-2	9,525	6,35	5,72	3,28	23,40	27,10	8,26	1,34	10,24	16,90	18,10	0,74
08B-2	12,70	8,51	7,75	4,45	31,00	33,00	11,81	1,60	13,92	31,10/32,00	37,40	1,34
10B-2	15,875	10,16	9,65	5,08	36,10	38,60	14,73	1,70	16,59	44,50	54,20	1,84
12B-2	19,05	12,07	11,68	5,72	42,00	44,40	16,13	1,85	19,46	57,80	66,60	2,31
16B-2	25,40	15,88	17,02	8,28	68,00	73,40	21,08	4,09/3,10	31,88	106,00	126,50	5,42
20B-2	31,75	19,05	19,58	10,19	79,70	83,60	26,42	4,60/3,60	36,45	170,00	210,00	7,20
24B-2	38,10	25,40	25,40	14,63	101,80	105,42	33,40	5,80/4,80	48,36	280,00	305,50	13,40
28B-2	44,45	27,94	30,99	15,90	124,70	128,96	37,08	7,50/6,50	59,56	360,00	390,50	16,60
32B-2	50,80	29,21	30,99	17,81	124,60	128,05	42,29	7,00/6,00	58,55	450,00	487,50	21,00
40B-2	63,50	39,37	38,10	22,89	154,50	163,80	52,96	8,50/7,50	72,29	630,00	680,20	32,00
48B-2	76,20	48,26	45,72	29,24	190,40	200,90	63,88	11,70/10,00	91,21	1000,00	1070,00	50,00
56B-2	88,90	53,98	53,34	34,32	221,2	229,6	77,80	13,5/12,0	106,6	1600,00	1760,00	71,48
64B-2	101,60	63,50	60,96	39,40	249,9	258,4	90,17	15,0/13,0	119,89	2000,00	2200,00	91,00
72B-2	114,30	72,39	68,58	44,48	283,7	292,7	103,80	17,0/15,0	136,27	2500,00	2750,00	120,40

\*Con piastre a profilo diritto

Straight side plates

## Catene a rulli triple / Triple Strand Roller Chains



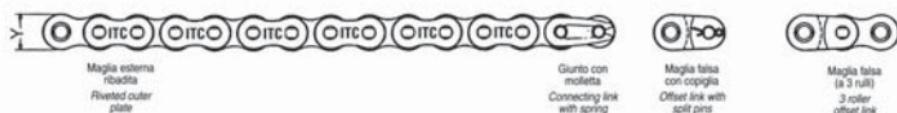
### SERIE EUROPEA / EUROPEAN SERIES

Catena ISO/DIN ISO/DIN Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Passo trav. Transverse pitch	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter	
		d <sub>1</sub> max		b <sub>1</sub> min	d <sub>2</sub> max							
		mm		mm	mm							
*06B-3	9,525	6,35	5,72	3,28	33,50	37,30	8,26	1,34	10,24	24,90	29,80	1,16
08B-3	12,70	8,51	7,75	4,45	44,90	47,20	11,61	1,60	13,92	44,50/47,50	50,20	2,03
10B-3	15,875	10,16	9,65	5,08	52,70	55,60	14,73	1,70	16,59	66,70	79,80	2,77
12B-3	19,05	12,07	11,68	5,72	61,50	65,20	16,13	1,85	19,46	86,70	101,80	3,46
16B-3	25,40	15,88	17,02	8,28	99,80	105,30	21,08	4,09/3,10	31,88	160,00	190,00	8,13
20B-3	31,75	19,05	19,58	10,19	114,55	121,20	26,42	4,60/3,60	36,45	250,00	276,20	10,82
24B-3	38,10	25,40	25,40	14,63	150,20	153,62	33,40	5,80/4,80	48,36	425,00	480,00	20,10
28B-3	44,45	27,94	30,99	15,90	184,30	188,52	37,08	7,50/6,50	59,56	530,00	580,00	24,92
32B-3	50,80	29,21	30,99	17,81	184,01	188,60	42,29	7,00/6,00	58,55	670,00	720,20	31,56
40B-3	63,50	39,37	38,10	22,89	226,80	236,10	52,95	8,50/7,50	72,29	950,00	1020,00	48,10
48B-3	76,20	48,26	45,72	29,24	281,60	292,10	63,88	11,70/10,00	91,21	1500,00	1590,00	75,00
56B-3	88,90	53,98	53,34	34,32	327,8	336,20	77,80	13,5/12,00	106,6	2240,00	2240,00	107,18
64B-3	101,60	63,50	60,96	39,40	369,8	378,30	90,17	15,0/13,00	119,89	3000,00	3300,00	136,00
72B-3	114,30	72,39	68,58	44,48	420,0	429,00	103,60	17,0/15,00	136,27	3750,00	4125,00	180,00

\*Con piastre a profilo diritto

\*Straight side plates

## Catene per biciclette e ciclomotori / Chains for bicycles and motorcycles

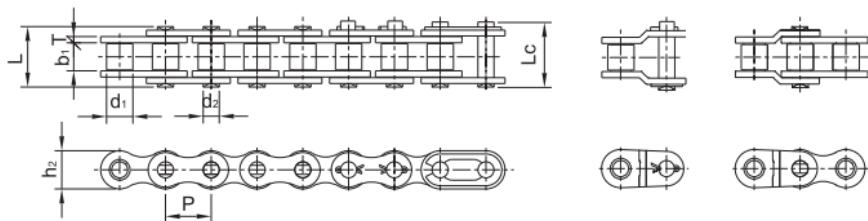


Appellativo Type	ISO N°	Passo Pitch	Diam.ruolo max Max roller diam.	Largh. Int. min Width between plates	Diam. Perno max Max pin diam	Altezza piastra max Inner plate depth	Larg. catena ribad. max Width over connecting pins	Inombro catena max Width over bearing pins	Superf. di lavoro Working surface	Cerco di rottura medio Medium breaking load	Peso approx. Approx weight		
		P mm	Dr mm	R mm	Dp mm	Y mm	Z mm	F mm	mm	mm	Kg/mm		
1/2x3/32	082	12,70	7,75	2,38	3,66	9,91	8,1	10,6	16	9,410	0,26		
1/2x1/8	081	12,70	7,75	3,30	3,68	9,91	9,31	12,3	20	9,410	0,29		
1/2x3/16	083	12,70	7,75	4,88	4,09	10,30	12,9	15,9	33	11,365	0,43		
1/2x3/16 Rinf.	084	12,70	7,75	4,88	4,09	11,15	14,6	17,6	36	15,100	0,51		
1/2X1/4 (ASA 41)	085	12,70	7,75	6,25	3,58	9,91	13,7	17,7	32	11,360	0,47		
				12,70	8,75	5,21	4,45	11,81	14,5	22	17,900	0,60	
				15,875	10,16	6,48	5,08	14,73	17,5	26	54	13,565	0,80

Nota: Tutte le dimensioni indicate sono espresse in mm.

Note: All dimensions are expressed in mm.

## Catene a rulli semplici / Single Strand Roller Chain



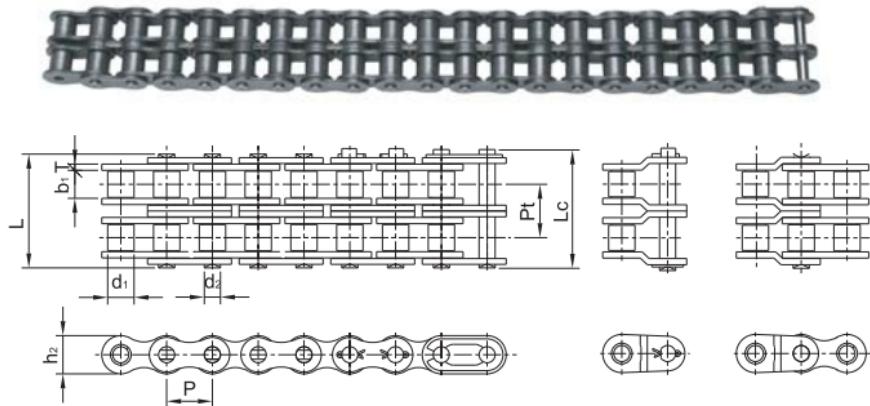
### SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN Chain No.	Catena ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Passo trasv. Transverse pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
			d <sub>1</sub>	b <sub>1</sub>	d <sub>2</sub>	L	Lc	h <sub>2</sub>	Pt	T	Q(ISO/DIN) min	Q <sub>0</sub>
			mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
*04C-1	*25	6.35	3.30	3.10	2.31	8.00	9.90	6.02	-	0.80	3.50	4.40
*06C-1	*35	9.525	5.08	4.68	3.58	12.40	14.40	8.70	-	1.30	7.90	10.40
085-1	41	12.70	7.77	6.25	3.58	13.75	16.00	9.91	-	1.25	6.70/6.80	11.80
08A-1	40	12.70	7.95	7.85	3.96	16.60	19.10	12.07	-	1.50	13.80/14.10	17.80
10A-1	50	15.875	10.16	9.40	5.08	20.70	23.30	15.09	-	2.06	21.80/22.20	28.00
12A-1	60	19.05	11.91	12.57	5.94	25.90	28.60	18.08	-	2.44	31.10/31.80	39.00
16A-1	80	25.40	15.88	15.75	7.92	32.70	38.00	24.13	-	3.26	55.60/56.70	71.50
20A-1	100	31.75	19.05	18.90	9.53	41.10	44.90	30.18	-	4.00	86.70/88.50	102.00
24A-1	120	38.10	22.23	25.22	11.10	50.80	56.10	36.20	-	4.80	124.60/127.00	156.90
28A-1	140	44.45	25.40	25.22	12.70	54.90	60.80	42.24	-	5.65	169.00/172.40	210.80
32A-1	160	50.80	28.58	31.55	14.27	65.50	72.60	48.26	-	6.45	222.40/226.80	269.70
36A-1	180	57.15	35.71	35.48	17.46	72.80	83.00	54.31	-	7.25	280.20	327.80
40A-1	200	63.50	39.68	37.85	19.85	80.30	90.50	60.33	-	8.00	347.00/353.80	410.00
48A-	240	76.20	47.63	47.35	23.81	95.50	106.00	72.39	-	9.50	500.40/510.30	585.40
												23.20

\*Catena a Bussola: d<sub>1</sub> indica il diametro esterno della bussola

\*Bush chain: d<sub>1</sub> indicates the external diameter of the bushing.

## Catene a rulli doppie / Double Strand Roller Chains

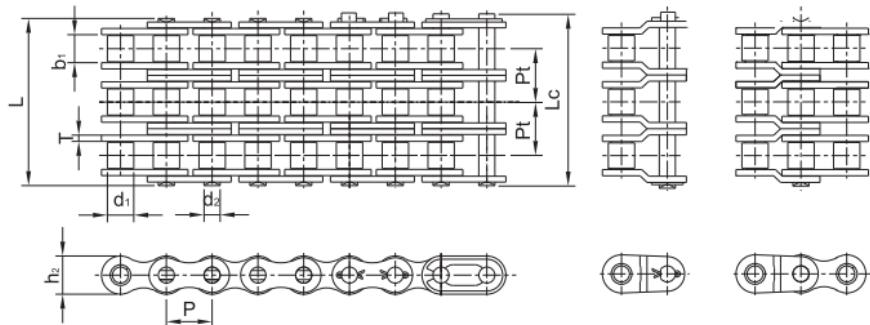


## SERIE AMERICANA / AMERICAN SERIES

Catena ISO/ DIN ISO/ DIN Chain No.	Catena ANSI ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Passo trasv. Transverse pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
			d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max						
			mm	mm	mm	mm	mm						
*04C-2	*25-2	6.35	3.30	3.10	2.31	14.50	16.50	6.02	6.40	0.80	7.00	8.80	0.28
*06C-2	*35-2	9.525	5.08	4.68	3.58	22.50	24.50	8.70	10.13	1.30	15.80	20.80	0.63
08A-2	40-2	12.70	7.95	7.85	3.96	31.00	33.50	12.07	14.38	1.50	27.60/28.20	35.60	1.12
10A-2	50-2	15.875	10.16	9.40	5.08	38.90	41.30	15.09	18.11	2.06	43.60/44.40	56.00	2.00
12A-2	60-2	19.05	11.91	12.57	5.94	48.80	51.50	18.08	22.78	2.44	62.30/63.60	82.40	2.92
16A-2	80-2	25.40	15.88	15.75	7.92	62.70	67.10	24.13	29.29	3.26	111.20/113.40	143.00	5.15
20A-2	100-2	31.75	19.05	18.90	9.53	76.40	83.10	30.18	35.76	4.00	173.50/177.00	204.00	7.80
24A-2	120-2	38.10	22.23	25.22	11.10	96.30	101.60	36.20	45.44	4.80	249.10/254.00	313.80	11.70
28A-2	140-2	44.45	25.40	25.22	12.70	103.60	109.40	42.24	48.87	5.65	338.10/344.80	421.70	15.14
32A-2	160-2	50.80	28.58	31.55	14.27	123.30	130.20	48.26	58.55	6.45	444.80/453.60	539.40	20.14
36A-2	180-2	57.15	35.71	35.48	17.46	138.60	148.50	54.31	65.84	7.25	560.50	655.70	29.22
40A-2	200-2	63.50	39.68	37.85	19.85	151.90	161.50	60.33	71.55	8.00	693.90/707.60	820.00	32.24
48A-2	240-2	76.20	47.63	47.35	23.81	183.40	193.90	72.39	87.83	9.50	1000.80/1020.60	1170.80	45.23

\*Catena a Bussola: d<sub>1</sub> indica il diametro esterno della bussola\*Bush chain: d<sub>1</sub> indicates the external diameter of the bushing.

## Catene a rulli triple / Triple Strand Roller Chains



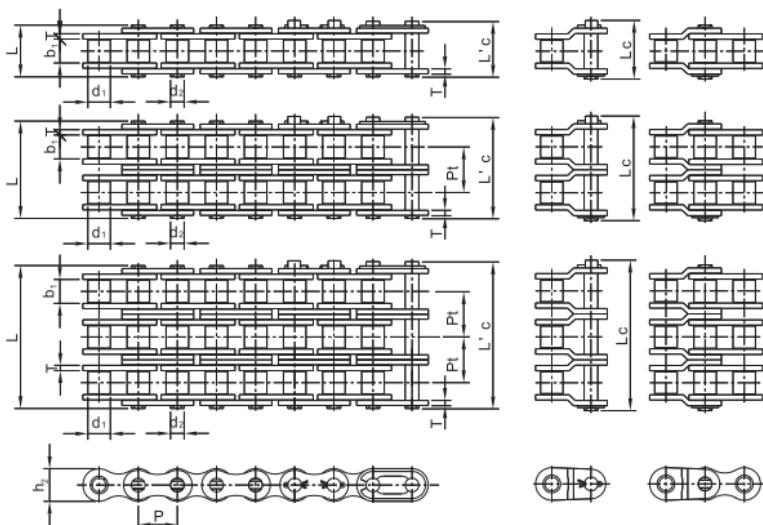
### SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN ANSI Chain No.	Catena ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piasta Inner plate depth	Passo trasv. Transverse pitch	Spessore piasta Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter	
			P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max	h <sub>2</sub> max	Pt	T	Q(ISO/DIN) min kN	
			mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/m	
*06G-3	*35-3	9.525	5.08	4.68	3.58	32.70	34.70	8.70	10.13	1.30	23.70	30.00	1.05
08A-3	40-3	12.70	7.95	7.85	3.96	45.40	48.00	12.07	14.38	1.50	41.40/42.30	51.20	1.90
10A-3	50-3	15.875	10.16	9.40	5.08	57.00	59.80	15.09	18.11	2.06	65.40/66.60	82.00	3.09
12A-3	60-3	19.05	11.91	12.57	5.94	71.50	75.60	18.08	22.78	2.44	93.40/95.40	115.00	4.54
16A-3	80-3	25.40	15.88	15.75	7.92	91.70	96.80	24.13	29.29	3.26	166.80/170.10	208.00	7.89
20A-3	100-3	31.75	19.05	18.90	9.53	112.20	117.20	30.18	35.76	4.00	260.20/265.50	310.00	11.77
24A-3	120-3	38.10	22.23	25.22	11.10	141.70	148.30	36.20	45.44	4.80	373.70/381.00	470.70	17.53
28A-3	140-3	44.45	25.40	25.22	12.70	152.20	158.30	42.24	48.87	5.65	507.10/517.20	632.50	22.20
32A-3	160-3	50.80	28.58	31.55	14.27	181.80	188.60	48.26	58.55	6.45	667.20/680.40	809.00	30.02
36A-3	180-3	57.15	35.71	35.48	17.46	204.40	214.50	54.31	65.84	7.25	840.70	983.60	38.22
40A-3	200-3	63.50	39.68	37.85	19.85	223.50	232.90	60.33	71.55	8.00	1040.90/1061.40	1230.00	49.03
48A-3	240-3	76.20	47.63	47.35	23.81	271.30	281.80	72.39	87.83	9.50	1501.30/1530.90	1756.20	71.60

\*Catena a Bussola: d<sub>1</sub> indica il diametro esterno della bussola

\*Bush chain: d<sub>1</sub> indicates the external diameter of the bushing.

## Catene a rulli: serie rinforzata / Heavy Series Roller Chians



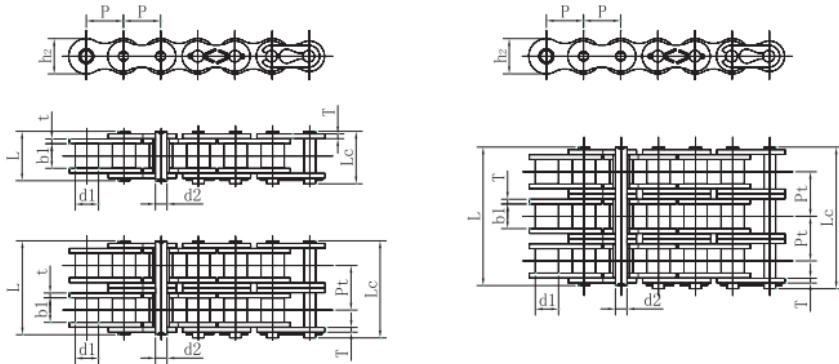
## SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN Chain No.	Catena ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Passo trasm. Transverse pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max						
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/m	
08AH-1	40H	12.70	7.95	7.85	3.96	18.20	19.70	12.00	-	2.06	13.80/14.10	20.40
10AH-1	50H	15.875	10.16	9.40	5.08	22.10	24.90	15.09	-	2.44	21.80/22.20	29.80
12AH-1	60H	19.05	11.91	12.57	5.94	29.90	34.50	18.08	-	3.26	31.10/31.80	41.00
16AH-1	80H	25.40	15.88	15.75	7.92	36.60	42.00	24.13	-	4.00	55.60/56.70	72.10
20AH-1	100H	31.75	19.05	18.90	9.53	44.10	50.20	30.18	-	4.80	86.70/88.50	106.20
24AH-1	120H	38.10	22.23	25.22	11.10	53.80	60.40	36.20	-	5.65	124.60/127.00	156.70
12AH-2	60H-2	19.05	11.91	12.57	5.94	56.00	60.60	18.08	26.11	3.26	62.30/63.60	85.00
16AH-2	80H-2	25.40	15.88	15.75	7.92	69.20	74.60	24.13	32.59	4.00	111.20/113.40	144.20
20AH-2	100H-2	31.75	19.05	18.90	9.53	83.20	89.10	30.18	39.09	4.80	173.50/177.00	212.40
24AH-2	120H-2	38.10	22.23	25.22	11.10	102.7	109.3	36.20	48.87	5.65	249.10/254.00	310.50
12AH-3	60H-3	19.05	11.91	12.57	5.94	82.10	86.70	18.08	26.11	3.26	93.40/95.40	120.00
16AH-3	80H-3	25.40	15.88	15.75	7.92	101.8	107.2	24.13	32.59	4.00	166.80/170.10	210.20
20AH-3	100H-3	31.75	19.05	18.90	9.53	122.3	128.4	30.18	39.09	4.80	260.20/265.50	316.80
24AH-3	120H-3	38.10	22.23	25.22	11.10	151.5	158.1	36.20	48.87	5.65	373.70/381.00	458.20
												19.64

Nota: L'c &lt; Lc.

Note: L'c &lt; Lc.

## Catene a rulli serie rinforzata / Heavy Series Roller Chains

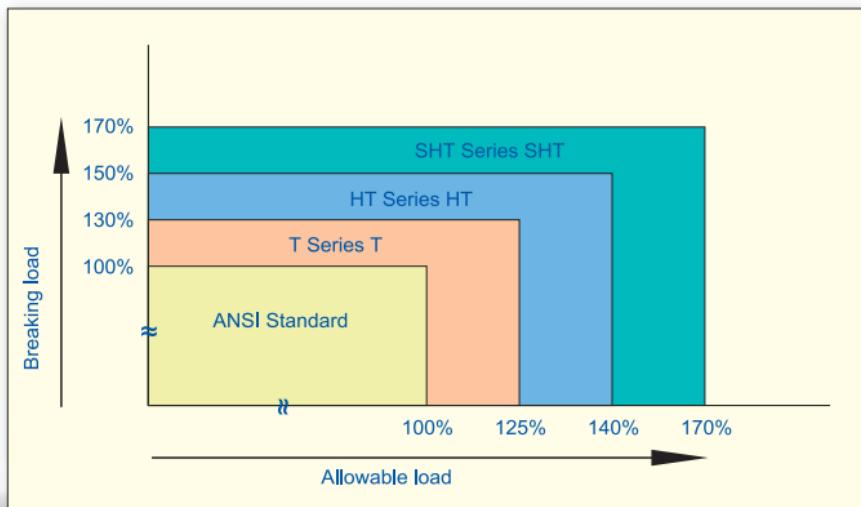


### SERIE AMERICANA / AMERICAN SERIES

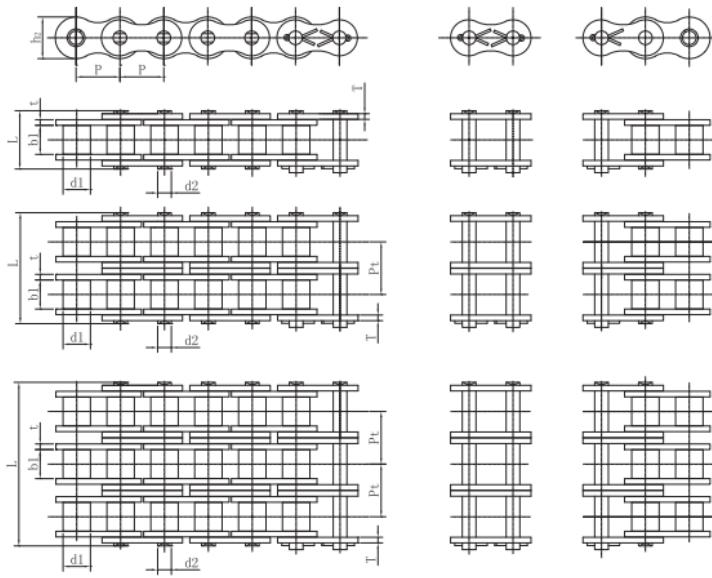
Catena ISO/DIN Chain No.	Catena ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Passo trasv. Transverse pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
						P	d1 max	b1 min	d2 max	L max	Lc max		
						mm	mm	mm	mm	mm	mm		
28AH-1	140H	44,45	25,40	25,22	12,70	57,6	62,2	41,00	—	6,40	172,4	217,3	8,30
32AH-1	160H	50,80	28,58	31,55	14,27	68,2	73,0	47,80	—	7,20	226,8	285,8	10,30
36AH-1	180H	57,15	35,71	35,48	17,46	75,9	81,6	53,60	—	8,00	281,0	341,8	14,83
40AH-1	200H	63,50	39,68	37,85	19,85	86,6	93,5	60,00	—	9,50	353,8	444,5	19,16
28AH-2	140H-2	44,45	25,40	25,22	12,70	109,8	114,4	41,00	52,20	6,40	344,8	437,7	16,60
32AH-2	160H-2	50,80	28,58	31,55	14,27	130,1	134,9	47,80	61,90	7,20	453,6	571,6	20,20
40AH-2	200H-2	63,50	39,68	37,85	19,85	164,9	171,8	60,00	78,31	9,50	707,6	894,9	38,11
28AH-3	140H-3	44,45	25,40	25,22	12,70	162,0	166,6	41,00	52,20	6,40	517,2	598,4	24,90
32AH-3	160H-3	50,80	28,58	31,55	14,27	192,0	196,8	47,80	61,90	7,20	680,4	787,3	30,10
40AH-3	200H-3	63,50	39,68	37,85	19,85	243,2	250,1	60,00	78,31	9,50	1061,4	1228,2	57,06

## Catene super rinforzate / Super Strength Chains

Super Chain Feature



## Catene super rinforzate / Super Strength Chains

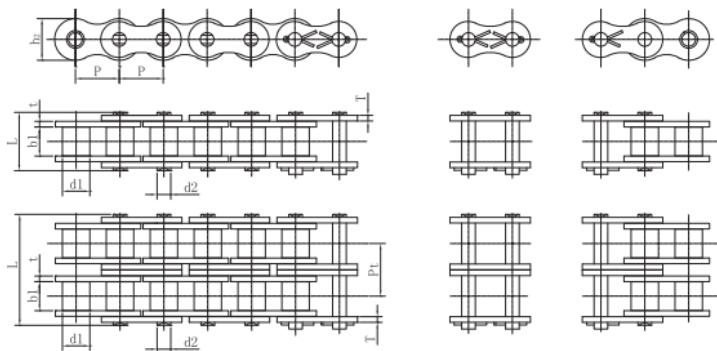


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S

### SERIE AMERICANA / AMERICAN SERIES

Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Larg. catena ribadita Pin length	Altezza piastra plate depth	Spessore piastra Plate thickness	Passo trasv. Transverse pitch	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
	P	d1 max	b1 min	d2 max	L max	h2 max	t/T	Pt	Q min	Q0	q ≈
	mm	mm	mm	mm	mm	mm		mm	KN	KN	kg/m
T40-1	12.70	7.95	7.85	3.96	17.80	12.07	1.50	—	15.70	20.41	0.62
T50-1	15.875	10.16	9.40	5.08	21.80	15.09	2.06	—	26.50	30.50	1.02
T60-1	19.05	11.91	12.57	5.94	26.90	18.08	2.44	—	40.15	46.20	1.50
T80-1	25.40	15.88	15.88	7.94	33.50	24.13	3.26	—	72.50	80.20	2.60
T80-2	25.40	15.88	15.88	7.94	62.70	24.13	3.26	29.29	143.00	162.20	5.15
T100-1	31.75	19.05	19.05	9.54	41.10	30.18	4.00	—	107.80	127.40	3.91
T100-2	31.75	19.05	19.05	9.54	77.00	30.18	4.00	35.76	215.60	254.80	7.80
T120-1	38.10	22.23	25.40	11.11	50.80	36.20	4.80	—	166.40	181.20	5.62
T120-2	38.10	22.23	25.40	11.11	96.30	36.20	4.80	45.44	332.80	362.40	11.7
T140-1	44.45	25.40	25.40	12.71	54.90	42.24	5.60	—	226.20	240.00	7.5
T140-2	44.45	25.40	25.40	12.71	103.60	42.24	5.60	48.87	458.40	475.00	15.14
T160-1	50.80	28.58	31.55	14.27	65.50	48.26	6.40	—	277.23	318.7	10.10
T160-2	50.80	28.58	31.55	14.27	124.20	48.26	6.40	58.55	554.46	632.40	20.14
T160-3	50.80	28.58	31.55	14.27	182.90	48.26	6.40	58.55	776.35	892.36	30.05



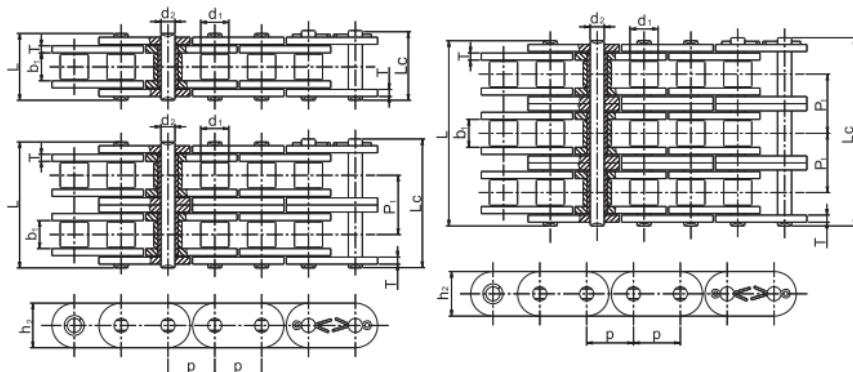
## SERIE AMERICANA / AMERICAN SERIES

Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piasta Inner plate depth	Spessore piasta Plate thickness	Passo trasv. Transverse pitch	Carico di rottura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter
	P	d1 max	b1 min	d2 max	L max	$\frac{b}{2}$ max	t/T	Pt	Q min	Q	q ≈
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	kg/m
HT60-1	19,05	11,91	12,70	5,94	29,90	18,08	3,26	—	42,97	55,86	1,87
HT60-2	19,05	11,91	12,70	5,94	56,00	18,08	3,26	26,11	85,94	111,72	3,71
HT80-1	25,40	15,88	15,88	7,94	37,40	24,13	4,00	—	93,10	94,75	3,10
HT80-2	25,40	15,88	15,88	7,94	69,20	24,13	4,00	32,59	185,00	195,50	6,15
HT100-1	31,75	19,05	19,05	9,54	44,10	30,18	4,80	—	142,10	149,20	4,38
HT100-2	31,75	19,05	19,05	9,54	83,20	30,18	4,80	39,09	284,20	289,40	8,67
HT120-1	38,10	22,23	25,40	11,11	53,80	36,20	5,60	—	181,90	185,40	6,70
HT120-2	38,10	22,23	25,40	11,11	102,70	36,20	5,60	48,87	363,80	372,50	13,32
HT140-1	44,45	25,40	25,40	12,71	58,00	42,24	6,40	—	232,30	245,90	8,53
HT140-2	44,45	25,40	25,40	12,71	110,20	42,24	6,40	52,20	464,60	482,40	17,0
HT160-1	50,80	28,58	31,55	14,27	68,80	48,26	7,25	—	273,00	314,00	11,10
HT160-2	50,80	28,58	31,55	14,27	130,5	48,26	7,25	61,90	545,00	628,00	22,1
#T80G-1	25,40	15,88	15,75	8,71	38,10	24,70	4,04,8	—	106,00	122,40	4,2
SHT80-1	25,40	15,88	15,88	7,94	37,40	24,13	4,00	—	96,04	98,00	3,10
SHT100-1	31,75	19,05	19,05	9,54	44,10	30,18	4,80	—	149,50	155,40	4,38
SHT120-1	38,10	22,23	25,40	11,11	53,80	36,20	5,6	—	186,40	196,000	6,70
SHT140-1	44,45	25,40	25,40	12,71	58,00	42,24	6,40	—	245,40	254,80	8,53
SHT160-1	50,80	28,58	31,55	14,27	68,80	48,26	7,25	—	280,30	323,4	11,10

Nota: Piastre a Profilo diritto, spessore Piastra esterna 4,0, spessore Piastra interna 4,8

Note: Straight side plates, outer plate thickness 4,0, inner Plate Thickness 4,8

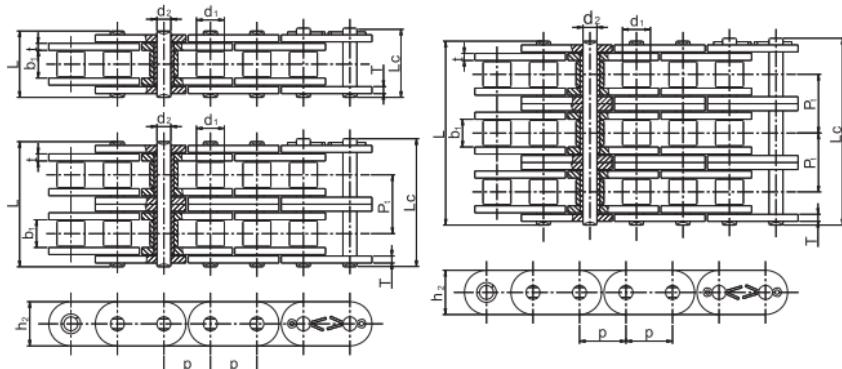
## Catene a rulli a piastre diritte / Roller Chains with Straight Side Plates (A Series)



### SERIE EUROPEA / EUROPEAN SERIES

Catena ISO/DIN Chain No.	Catena ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Passo trav. Transverse pitch	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprov. Weight per meter
			d <sub>i</sub> max	b <sub>i</sub> min								
			mm	mm								
C08A-1	C40	12.70	7.95	7.85	3.96	16.60	18.80	12.00	-	1.50	13.80/14.10	17.00
C10A-1	C50	15.875	10.16	9.40	5.08	20.70	23.30	15.09	-	2.06	21.80/22.20	26.40
C12A-1	C60	19.05	11.91	12.57	5.94	25.90	28.30	18.00	-	2.44	31.10/31.80	38.80
C16A-1	C80	25.40	15.88	15.75	7.92	32.70	36.50	24.00	-	3.26	55.60/56.70	64.90
C20A-1	C100	31.75	19.05	18.90	9.53	40.40	44.70	30.00	-	4.00	86.70/88.50	101.80
C24A-1	C120	38.10	22.23	25.22	11.10	50.30	54.30	35.70	-	4.80	124.60/127.00	147.00
C28A-1	C140	44.45	25.40	25.22	12.70	54.40	59.00	41.00	-	5.56	169.00/172.40	197.70
C32A-1	C160	50.80	28.58	31.55	14.27	64.80	69.60	47.80	-	6.45	222.40/226.80	260.20
C08A-2	C40-2	12.70	7.95	7.85	3.96	31.00	33.20	12.00	14.38	1.50	27.60/28.20	33.60
C10A-2	C50-2	15.875	10.16	9.40	5.08	38.90	41.40	15.09	18.11	2.06	43.60/44.40	55.40
C12A-2	C60-2	19.05	11.91	12.57	5.94	48.80	51.10	18.00	22.78	2.44	62.30/63.60	83.20
C16A-2	C80-2	25.40	15.88	15.75	7.92	62.70	65.80	24.00	29.29	3.26	111.20/113.40	140.00
C20A-2	C100-2	31.75	19.05	18.90	9.53	76.40	80.50	30.00	35.76	4.00	173.50/177.00	202.90
C24A-2	C120-2	38.10	22.23	25.22	11.10	95.80	99.70	35.70	45.44	4.80	249.10/254.00	291.40
C28A-2	C140-2	44.45	25.40	25.22	12.70	103.30	107.90	41.00	48.87	5.56	338.10/344.80	395.50
C32A-2	C160-2	50.80	28.58	31.55	14.27	123.30	128.10	47.80	58.55	6.45	444.80/453.60	520.40
C08A-3	C40-3	12.70	7.95	7.85	3.96	45.40	47.60	12.00	14.38	1.50	41.40/42.30	50.00
C10A-3	C50-3	15.875	10.16	9.40	5.08	57.00	59.50	15.09	18.11	2.06	65.40/66.60	77.80
C12A-3	C60-3	19.05	11.91	12.57	5.94	71.50	73.90	18.00	22.78	2.44	93.40/95.40	111.10
C16A-3	C80-3	25.40	15.88	15.75	7.92	91.70	95.10	24.00	29.29	3.26	166.80/170.10	198.40
C20A-3	C100-3	31.75	19.05	18.90	9.53	112.20	116.30	30.00	35.76	4.00	260.20/265.50	309.60
C24A-3	C120-3	38.10	22.23	25.22	11.10	141.40	145.20	35.70	45.44	4.80	373.70/381.00	437.20
C28A-3	C140-3	44.45	25.40	25.22	12.70	152.20	156.80	41.00	48.87	5.56	507.10/517.20	593.30
C32A-3	C160-3	50.80	28.58	31.55	14.27	181.80	186.60	47.80	58.55	6.45	667.20/680.40	780.60
												34.19

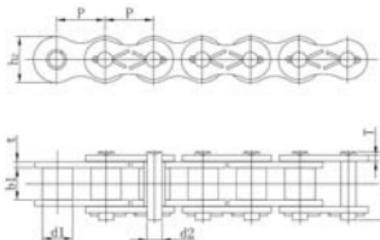
## Catene a rulli a piastre diritte / Roller Chains with Straight Side Plates (A Series)



## SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN ISO/DIN Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perni Pin diameter	Largh. catena ribadita Pin length			Altezza piastra Inner plate depth	Passo trasv. Transverse pitch	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter
		d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max	h <sub>1</sub> max						
C08B-1	12.70	8.51	7.75	4.45	16.70	18.20	11.80	-	-	1.60	17.80/18.00	19.50	0.80
C10B-1	15.875	10.16	9.65	5.08	19.50	20.90	14.70	-	-	1.70	22.20/22.40	26.90	1.06
C12B-1	19.05	12.07	11.68	5.72	22.50	25.20	16.00	-	-	1.85	28.90/29.00	31.00	1.32
C16B-1	25.40	15.88	17.02	8.28	36.10	39.10	21.00	-	-	4.09/3.10	60.00	70.00	2.90
C20B-1	31.75	19.05	19.56	10.19	41.30	45.00	26.40	-	-	4.60/3.60	95.00	101.30	4.16
C24B-1	38.10	25.40	25.40	14.63	53.40	57.80	33.20	-	-	5.80/4.80	160.00	174.00	7.47
C28B-1	44.45	27.94	30.99	15.90	65.10	69.50	36.70	-	-	7.50/6.50	200.00	214.00	9.90
C32B-1	50.80	29.21	30.99	17.81	66.00	71.00	42.00	-	-	7.00/6.00	250.00	267.50	10.45
C08B-2	12.70	8.51	7.75	4.45	31.20	32.20	11.80	13.92	1.60	31.10/32.00	37.40	1.45	
C10B-2	15.875	10.16	9.65	5.08	36.10	37.50	14.70	16.59	1.70	44.50	57.80	2.00	
C12B-2	19.05	12.07	11.68	5.72	42.00	44.70	16.00	19.46	1.85	57.80	65.70	2.62	
C16B-2	25.40	15.88	17.02	8.28	68.00	71.00	21.00	31.88	4.09/3.10	106.00	124.50	5.80	
C20B-2	31.75	19.05	19.56	10.19	77.80	81.50	26.40	36.45	4.60/3.60	170.00	210.00	8.23	
C24B-2	38.10	25.40	25.40	14.63	101.70	106.20	33.20	48.36	5.80/4.80	280.00	304.50	14.77	
C28B-2	44.45	27.94	30.99	15.90	124.60	129.10	36.70	59.56	7.50/6.50	360.00	385.20	19.68	
C32B-2	50.80	29.21	30.99	17.81	124.60	129.60	42.00	58.55	7.00/6.00	450.00	477.00	20.62	
C08B-3	12.70	8.51	7.75	4.45	45.10	46.10	11.80	13.92	1.60	44.50/47.50	50.20	2.10	
C10B-3	15.875	10.16	9.65	5.08	52.70	54.10	14.70	16.59	1.70	66.70	79.60	2.87	
C12B-3	19.05	12.07	11.68	5.72	61.50	64.20	16.00	19.46	1.85	86.70	101.80	3.89	
C16B-3	25.40	15.88	17.02	8.28	99.80	102.90	21.00	31.88	4.09/3.10	160.00	188.00	8.70	
C20B-3	31.75	19.05	19.56	10.19	114.20	117.90	26.40	36.45	4.60/3.60	250.00	266.60	11.34	
C24B-3	38.10	25.40	25.40	14.63	150.10	154.60	33.20	48.36	5.80/4.80	425.00	462.20	22.10	
C28B-3	44.45	27.94	30.99	15.90	184.20	188.70	36.70	59.56	7.50/6.50	530.00	561.80	29.47	
C32B-3	50.80	29.21	30.99	17.81	183.20	188.20	42.00	58.55	7.00/6.00	670.00	710.20	30.85	

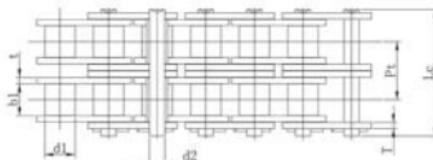
## Catene a rulli con coppiglia (serie americana) / Cotter Type Roller Chains (American Series)



### SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN ISO/DIN Chain No.	Catena ANSI ANSI Chain No.	Passo	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Larg. catena ribadita Pin length	Altezza piastra Inner plate depth	Passo trasv. Transverse pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d1 max	b1 min	d2 max	Lc max	h2 max	Pt	I/T	Q(ISO/DIN) min	Q 0	q ≈
		mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	Kg/m
10A-1	50	15,875	10,16	9,40	5,09	22,59	15,09	—	2,00	21,80/22,20	29,4	1,02
12A-1	60	19,05	11,91	12,57	5,96	27,75	18,10	—	2,40	31,30/31,80	41,5	1,50
16A-1	80	25,40	15,88	15,75	7,94	35,80	24,13	—	3,20	55,60/56,70	71,5	2,60
20A-1	100	31,75	19,05	18,90	9,54	42,60	30,17	—	4,00	87,00/88,50	109,2	3,91
24A-1	120	38,10	22,23	25,22	11,11	53,51	36,20	—	4,80	125,00/127,00	156,9	5,62
28A-1	140	44,45	25,40	25,22	12,71	58,21	42,23	—	5,65	170,00/172,40	212,0	7,50
32A-1	160	50,80	28,58	31,55	14,29	69,08	48,26	—	6,45	223,00/226,80	269,7	10,10
36A-1	180	57,15	35,71	35,48	17,46	78,45	54,30	—	7,25	281,0	327,8	13,45
40A-1	200	63,50	39,68	37,85	19,85	85,15	60,33	—	8,00	347,00/353,80	410,0	16,15
48A-1	240	76,20	47,63	47,35	23,81	100,71	72,39	—	9,50	500,00/510,30	585,4	23,20

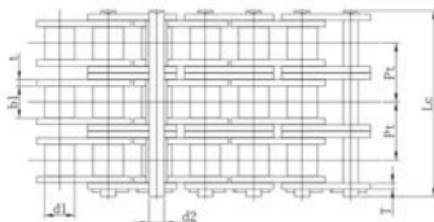
## Catene a rulli con coppiglia (serie americana) / Cotter Type Roller Chains (American Series)



## SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN Chain No.	Catena ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena risolta Inner plate width	Altezza piastra Inner plate depth	Passo trasv. Transverse pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
			mm	mm	mm	mm	mm	mm	mm	KN	KN	Kg/m
10A-2	50-2	15.875	10.16	9.40	5.09	40.70	15.09	18.11	2.00	43.60/44.40	56.0	2.00
12A-2	60-2	19.05	11.91	12.57	5.96	50.53	18.10	22.78	2.40	62.60/63.60	82.4	2.92
16A-2	80-2	25.40	15.88	15.75	7.94	64.89	24.13	29.29	3.20	111.20/113.40	143.0	5.15
20A-2	100-2	31.75	19.05	18.90	9.54	78.36	30.17	35.76	4.00	174.00/177.00	204.0	7.80
24A-2	120-2	38.10	22.23	25.22	11.11	98.95	36.20	45.44	4.80	250.00/254.00	313.8	11.70
28A-2	140-2	44.45	25.40	25.22	12.71	107.08	42.23	48.87	5.65	340.00/344.80	421.7	15.14
32A-2	160-2	50.80	28.58	31.55	14.29	127.63	48.26	58.55	6.45	446.00/453.60	539.4	20.14
36A-2	180-2	57.15	35.71	35.48	17.46	144.29	54.30	65.84	7.25	562.0	655.7	29.22
40A-2	200-2	63.50	39.68	37.85	19.85	156.70	60.33	71.55	8.00	694.00/707.60	820.0	32.24
48A-2	240-2	76.20	47.63	47.35	23.81	188.54	72.39	87.83	9.50	1000.00/1020.6	1170.8	45.23

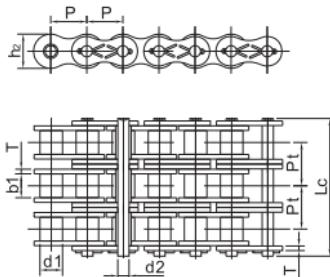
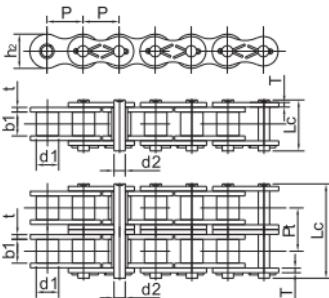
Catene a rulli con coppiglia (serie americana) / Cotter Type Roller Chains (American Series)



**SERIE AMERICANA / AMERICAN SERIES**

ISO/DIN Chain No.	Catena ANSI Chain No.	Passo	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Larg. catena ribadita	Altezza piastra Inner plate depth	Passo trasv. Transverse pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d1 max	b1 min	d2 max	Lc max	h2 max	Pt	t/T	Q(ISO/DIN) min	Q0	q "
		mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	Kg/m
10A-3	50-3	15.875	10.16	9.40	5.09	58.81	15.09	18.11	2.00	65.40/66.60	82.0	3.09
12A-3	60-3	19.05	11.91	12.57	5.96	73.31	18.10	22.78	2.40	93.90/95.40	115.0	4.54
16A-3	80-3	25.40	15.88	15.75	7.94	94.18	24.13	29.29	3.20	166.80/170.10	208.0	7.89
20A-3	100-3	31.75	19.05	18.90	9.54	114.12	30.17	35.76	4.00	261.00/265.50	310.0	11.77
24A-3	120-3	38.10	22.23	25.22	11.11	144.39	36.20	45.44	4.80	375.00/381.00	470.7	17.53
26A-3	140-3	44.45	25.40	25.22	12.71	155.95	42.23	48.87	5.65	510.00/517.20	632.5	22.20
32A-3	160-3	50.80	28.58	31.55	14.29	186.18	48.26	58.55	6.45	669.00/680.40	809.0	30.02
36A-3	180-3	57.15	35.71	35.48	17.46	210.13	54.30	65.84	7.25	843.0	983.6	38.22
40A-3	200-3	63.50	39.68	37.85	19.85	228.25	60.33	71.55	8.00	1041.0/1061.4	1230.0	49.03
48A-3	240-3	76.20	47.63	47.35	23.81	276.37	72.39	87.83	9.50	1500.0/1530.9	1756.2	71.6

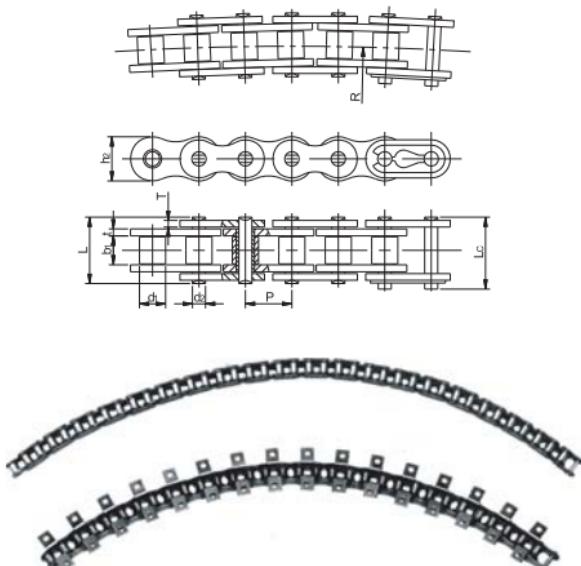
## Catene a rulli con coppiglia (serie Americana) / Cotter Type Roller Chains (American Series)



## SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN Chain No.	Catena ANSI Chain No.	Passo	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita	Altezza piastra	Passo trasv.	Spessore piastra	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d1 max	b1 min	d2 max	Lc max	h2 max	Pt	t/T	Q min	Q0	q ≈
		mm	mm	mm	mm	mm	mm	mm	mm	KN	KN	Kg/m
08AH-1	40H	12.70	7.95	7.85	3.96	19.70	12.00	—	2.00	13.9	20.40	0.82
10AH-1	50H	15.875	10.16	9.40	5.09	24.90	15.09	—	2.40	21.8	30.20	1.25
12AH-1	60H	19.05	11.91	12.57	5.96	31.60	18.08	—	3.20	31.3	42.70	1.87
16AH-1	80H	25.40	15.88	15.75	7.94	39.40	24.13	—	4.00	55.6	71.40	3.10
20AH-1	100H	31.75	19.05	18.90	9.54	46.90	30.17	—	4.80	87	112.4	4.52
24AH-1	120H	38.10	22.23	25.22	11.11	57.50	36.20	—	5.65	125	160.9	6.60
28AH-1	140H	44.45	25.40	25.22	12.71	62.50	42.23	—	6.45	170	217.3	8.30
32AH-1	160H	50.80	28.58	31.55	14.29	72.70	48.26	—	7.25	223	285.8	10.30
40AH-1	200H	63.50	39.68	37.85	19.85	93.50	60.33	—	9.50	347	444.5	19.16
12AH-2	60H-2	19.05	11.91	12.57	5.96	57.70	18.08	26.11	3.20	62.6	84.5	3.71
16AH-2	80H-2	25.40	15.88	15.75	7.94	72.20	24.13	32.59	4.00	112.2	145.3	6.15
20AH-2	100H-2	31.75	19.05	18.90	9.54	86.00	30.17	39.09	4.80	174	225.9	9.03
24AH-2	120H-2	38.10	22.23	25.22	11.11	106.4	36.20	48.87	5.65	250	322.7	13.13
28AH-2	140H-2	44.45	25.40	25.22	12.71	114.7	42.23	52.20	6.45	340	437.7	16.60
32AH-2	160H-2	50.80	28.58	31.55	14.29	134.9	48.26	61.90	7.25	446	571.6	20.20
40AH-2	200H-2	63.50	39.68	37.85	19.85	171.8	60.33	78.31	9.25	694	894.9	38.11
12AH-3	60H-3	19.05	11.91	12.57	5.96	83.84	18.08	26.11	3.20	93.9	113.9	5.54
16AH-3	80H-3	25.40	15.88	15.75	7.94	104.6	24.13	32.59	4.00	166.8	203.5	9.42
20AH-3	100H-3	31.75	19.05	18.90	9.54	125.1	30.17	39.09	4.80	261	314.8	12.96
24AH-3	120H-3	38.10	22.23	25.22	11.11	155.2	36.20	48.87	5.65	375	444.7	19.64
28AH-3	140H-3	44.45	25.40	25.22	12.71	166.9	42.23	52.20	6.45	510	598.4	24.90
32AH-3	160H-3	50.80	28.58	31.55	14.29	196.8	48.26	61.90	7.25	669	787.3	30.10
40AH-3	200H-3	63.50	39.68	37.85	19.85	250.1	60.33	78.31	9.25	1041	1228.2	57.05

## Catene a rulli per curve / Side Bow Chains



### SERIE AMERICANA / AMERICAN SERIES

Catena ISO/DIN No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Raggio curvatura laterale Side bow radius	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. kg/m
		d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max			t/T	R min	Q min	Q <sub>0</sub>
		mm	mm	mm	mm			mm	mm	kN/LB	kg/m
40SB	12.7	7.95	7.85	3.96	16.90	18.10	11.70	1.50	350	13.80/3136	15.20
43SB	12.7	7.95	7.85	3.45	18.30	19.50	11.70	1.50	305	12.00/2727	13.20
50SB	15.875	10.16	9.40	4.37	20.70	22.70	15.09	2.00	400	20.60/4681	22.70
60SB	19.05	11.91	12.57	5.34	26.60	28.40	18.10	2.40	500	15.70/3588	17.30
63SB	19.05	11.91	12.68	5.08	28.80	30.60	17.20	2.4/2.0	350	12.50/2840	20.00
80SB	25.40	15.88	15.75	7.19	34.00	37.30	24.00	3.20	711	40.90/9201	42.00
08BSB	12.70	8.51	7.75	3.97	17.40	18.70	11.80	1.60	400	14.00/3182	15.40
08BSBF1	12.70	8.51	7.75	3.97	16.30	17.60	11.80	1.6/1.2	400	12.80/2909	14.10
10BSB	15.875	10.16	9.65	4.50	20.10	21.50	14.70	1.70	400	15.60/3545	17.20
12BSB	19.05	12.07	11.68	5.12	23.10	24.80	16.00	1.85	500	20.50/4658	22.60
16BSB	25.40	15.88	17.22	7.90	36.50	39.70	21.00	3.7/3.0	500	55.6/12635	64.00
C2050SB	31.75	10.16	9.40	5.08	21.30	22.60	15.00	2.03	800	21.80/4954	24.10
											0.84

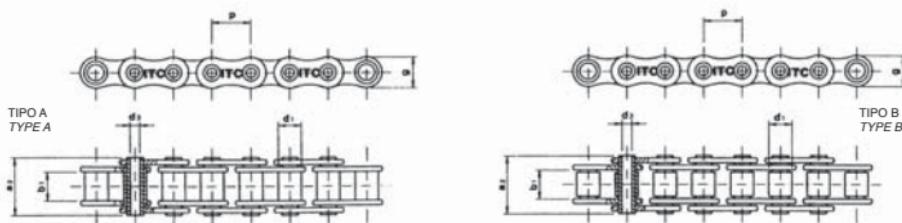
## Catene a rulli a perni forati / Roller chains with hollow pins

Catene costruite con il preciso intento d'aiutare l'utilizzatore nell'adozione di attacchi personalizzati, comodamente adattabili a queste catene secondo le normative unificate.

Nota: Tutte le dimensioni indicate sono espresse in mm.

*Especialy manufactured to help the customer use different attachments, easily adaptable, to these chains, in accordance with the current unified regulations.*

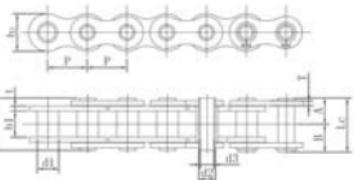
*Note: All dimensions are expressed in mm.*



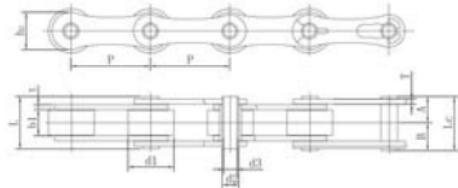
ISO N°	p mm	p inch	b1 mm min.	d3 mm	d1 mm max.	a2 mm max.	g mm max.	F <sub>B</sub> min N	q Kg/m ≈	Tipo Type
08B-1	12,7	1/2"	7,75	4,5	8,51	16,8	12,2	13.500	0,60	A
10B-1	15,875	5/8"	9,65	5,0	10,16	18,6	14,3	14.500	0,83	A
12B-1	19,05	3/4"	11,68	5,75	12,07	24,0	16,5	18.500	1,05	A
08B-1	12,7	1/2"	7,75	4,40	8,51	17,0	11,7	14.000	0,68	B
10B-1	15,875	5/8"	9,65	5,10	10,16	19,5	14,0	15.000	0,87	B
12B-1	19,05	3/4"	11,68	5,70	12,07	22,5	18,0	21.000	1,10	B
12A-1	19,05	3/4"	12,70	5,97	11,91	25,0	18,0	25.000	1,30	B
16B-1	25,4	1"	17,02	8,10	15,88	36,0	21,0	50.000	2,40	B

Catene da trasporto a perni forati con rullo folle / Hollow Pin Chains with Double Direction Roller

I



II



Catena Chain No.	Passo Pitch	Diametro bussola Bush Diameter	Larghezza interna Width between inner plates	Dimensioni Perno Pin dimensions							Spessore piastra Plate thickness	Altezza piastra Inner plate depth	Carico di rottura min. Ultimate tensile strength	Tipo Type
				P max	d1 min	b1 max	d2 max	d3 min	A	B	L (A+A)			
				mm	mm	mm	mm	mm	mm	mm	mm			
40HP	12.70	7.95	7.95	5.68	4.00	8.10	9.40	16.2	17.5	1.50	11.70	13.2		I
50HP	15.875	10.16	9.53	7.24	5.12	10.3	11.7	20.6	22.0	2.00	14.60	20.6		I
60HP	19.05	11.91	12.70	8.37	5.99	12.90	14.3	25.8	27.2	2.40	17.50	31.4		I
80HP	25.40	15.88	15.88	11.24	8.02	16.30	17.80	32.6	34.1	3.20	23.00	53.0		I
*081HRNP	12.70	7.75	3.30	5.54	3.55	5.10	6.10	10.2	11.2	1.10	10.5	10.0		I
12BHP	19.05	12.07	11.68	8.09	6.00	11.35	12.55	22.7	23.9	1.90	16.0	14.0		I
#P38.1HB	38.10	20.00	8.00	11.0	8.00	9.75	10.35	19.5	20.1	2.00	17.0	28.0		II
#P50.8HB	50.80	30.00	11.00	12.0	8.11	13.50	14.35	27.0	27.85	3.00	26.0	50.0		II

\* Rullo Nichelato: nella tabella d1 indica il diametro esterno del rullo

\* Nickel-plated Roller: d1 in the table indicates the external diameter of the roller

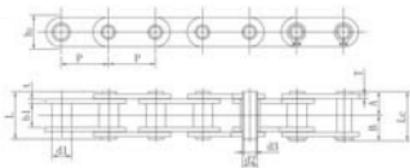
# Catena a Rullo: nella tabella d1 indica il diametro esterno del rullo

# Roller Chain: d1 in the table indicates the external diameter of the roller

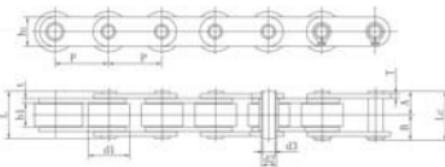
## Catene da trasporto a perni forati / Hollow pin Conveyor Chains



I



II



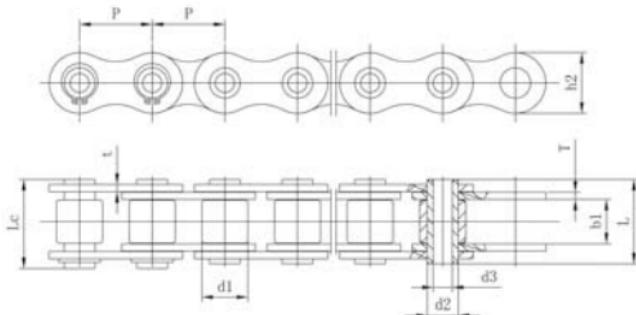
Catena Chain No.	Passo Pitch	Diametro bussola Bush Diameter	Larghezza interna Width between inner plates	Dimensioni Perno Pin dimensions						Spessore piasta Plate thickness	Altezza di piastra Inner plate depth	Carico di rottura min. Ultimate tensile strength	Tipo Type
				P max	d1 min	b1 max	d2 min	d3 max	A	B	L (A+A)	Lc (A+B)	t/T
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
C2040HP #C2042HP	25.40	7.95 15.88	7.95	5.68	4.00	8.10	9.40	16.2	17.5	1.5	11.70	13.2	I II
C2050HP #C2052HP	31.75	10.16 19.05	9.53	7.24	5.12	10.3	11.7	20.6	22.0	2.0	14.60	20.6	I II
C2060HP #C2062HP	38.10	11.91 22.23	12.70	8.37	5.99	12.90	14.3	25.8	27.2	2.4	17.50	31.4	I II
C2080HP #C2082HP	50.80	15.88 28.58	15.88	11.24	8.02	16.30	17.80	32.6	34.1	3.2	23.00	53.0	I II
#P76.2HB	76.20	47.60	18.50	18.30	12.41	24.45	25.65	48.9	50.1	5.0	40.0	132.0	II
#P101.6HB	101.6	66.70	26.00	25.00	20.31	31.50	32.90	63.0	64.4	8.0/6.0	50.0	150.0	II
#P101.6HBA	101.6	66.70	30.70	32.00	20.70	43.60	45.00	87.2	88.6	12.7/10.0	60.0	500.0	II

Catena Rullo: nella Tabella d1 indica il diametro esterno del rullo

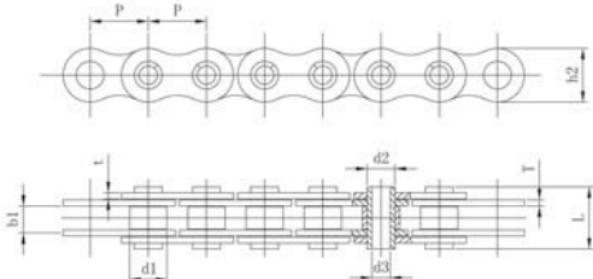
Roller Chain: d1 in the table indicates the external diameter of the roller

Catene da trasporto a perni forati / Hollow Pin Conveyor Chains

A



B

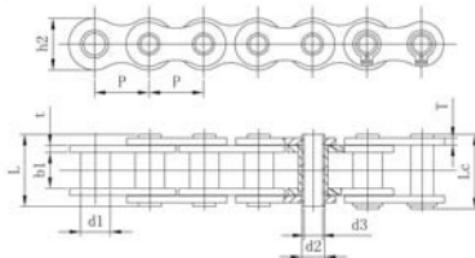


Catena Chain No.	Passo Pitch	Diametro bussola Bush Diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter		Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Tipo Type
				d1 max	b1 min	d2 max	d3 min				
				mm	mm	mm	mm				
10BHR	15.875	10.16	6.5	7.6		5.0	17.0	/	14.72	1.7	15
12BHR				11.86		5.41					
12BHRa	19.05	12.07			8.03		22.5	23.8	15.8	1.9	25
				11.70		5.0					

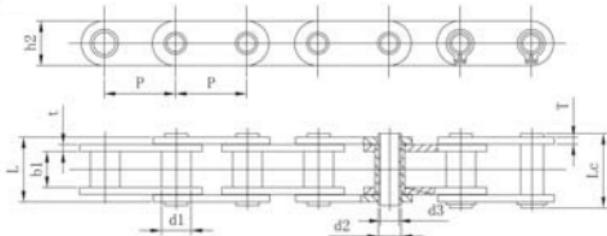
Catena Rullo: nella Tabella d1 indica il diametro esterno del rullo  
 Roller Chain: d1 in the table indicates the external diameter of the roller

## Catene da trasporto a perni forati / Hollow Pin Conveyor Chains

A



B

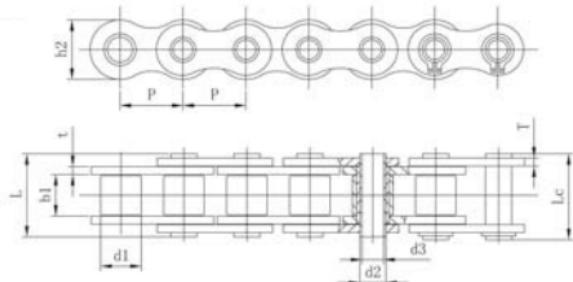


Catena Chain No.	Passo Pitch	Diametro bussola	Larghezza interna	Diametro Perno		Larg. catena ribadita		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Tipo Type		
		Bush Diameter	Width between inner plates	Pin diameter	Pin length								
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	t/T	Q min			
		mm	mm	mm	mm	mm	mm	mm	mm	KN			
		08HFB	12.70	8.51	9.5	6.55	5.0	18.15	/	11.81	1.6	11.1	A
P40HP	40			18.0	22.0	12.0	8.0	47.2	48.8	35.0	5.0	59	B
		C60HP	19.05	11.91	12.61	8.33	6.0	25.8	27.5	18.08	2.4	26.9	B
80HPc	25.4			15.88	15.75	11.4	8.4	32.6	33.8	24.0	3.2	45	A

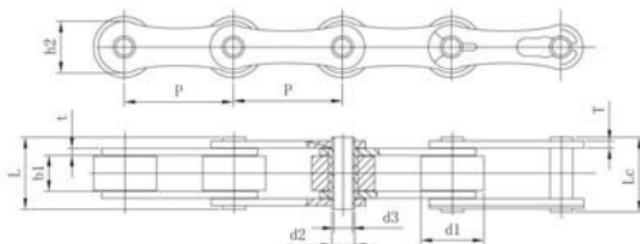
Catena Rullo: nella Tabella d1 indica il diametro esterno del rullo  
 Roller Chain: d1 in the table indicates the external diameter of the roller

Catene da trasporto a perni forati / Hollow pin Conveyor Chains

A

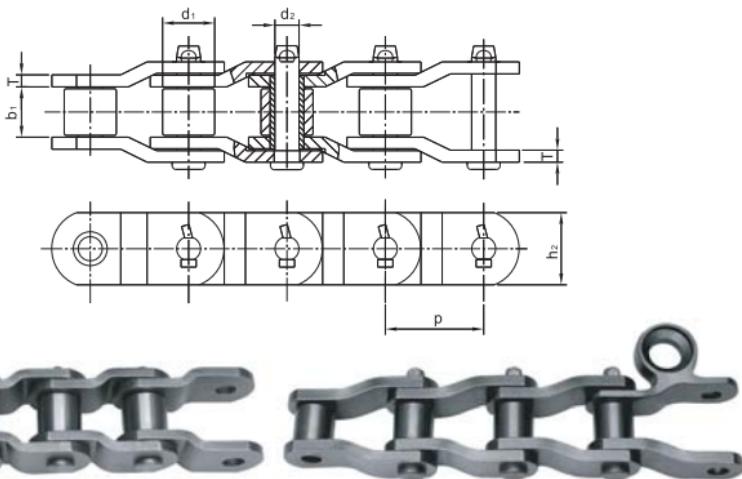


B



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter		Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Tipo Type
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	t/T	Q min	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	
10HBH	15.875	10.16	9.65	5.94	4.10	19.4	20.5	14.72	1.7	17	A
C2052HB	31.75	19.05	9.53	7.24	5.13	20.6	22.1	14.73	2.0	17.92	A
P40HB	40.0	26.0	10.0	11.4	8.20	27.0	29.0	24.0	3.0	32	A
P50HB	50.0	20.0	14.0	9.0	6.2	28.5	30.3	20.0	2.5	20.42	A
P50.8HBa	50.8	30.0	10.0	11.7	8.10	26.6	27.8	26.0	3.0	60	B
P50.8HBb				11.4	8.20						
P63HB	63.0	30.0	10.0	11.7	8.10	28.6	27.8	28.0	3.0	50	B

## Catene a maglie false per trasmissioni pesanti / Heavy Duty Cranked-link Transmission Chains



## SERIE AMERICANA / AMERICAN SERIES

Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. kg/m
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	h <sub>2</sub> max	T	Q min	Q <sub>0</sub>	q ~
	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
2010	63.50	31.75	38.10	15.90	90.70	47.80	7.90	250.00	270.00	14.00
2512	77.90	41.28	39.60	19.05	100.00	57.00	9.70	340.00	367.20	18.40
SS40SL	78.11	31.75	31.75	15.90	89.65	38.00	9.50	265.60	300.00	10.40
2814	88.90	44.45	38.10	22.25	117.60	60.50	12.70	470.00	507.60	25.10
3315	103.45	45.24	49.30	23.85	134.90	63.50	14.20	550.00	594.00	27.30
3618	114.30	57.15	52.30	27.97	141.20	79.20	14.20	760.00	820.80	38.20
MXS882	66.27	22.23	28.58	11.10	68.50	28.50	6.40	115.60	124.80	5.30



# CATENE DA TRASPORTO

## CONVEYOR CHAINS

2



## Catene a rulli con attacchi - serie UNI / Roller chains with attachments - UNI series

Disponibili (su richiesta) anche in: acciaio inossidabile, cromato, nichelato galvanico, nichelato chimico.

### Esempio distribuzione attacchi

La distribuzione degli attacchi montati sulla catena viene indicata nella maniera seguente.

Il primo significa:

4 = attacco montato solo sulle maglie interne

7 = attacco montato solo sulle maglie esterne

0 = attacco montato alternato sulle maglie interne ed esterne

I successivi numeri indicano la frequenza (numero di passi) di montaggio degli attacchi sulla catena.

### Esempio di ordinazione

K1	10B1	7.04
Tipo di attacco	Tipo di catena	montati sulle maglie esterne (7) ogni quattro passi (04)

*Available on request: stainless steel, chromium plated, galvanic nickel plated, chemical nickel plated.*

### Example of attachments distribution

The distribution of the attachments on the chain is explained below.

The first means:

4 = attachments fixed only on inner plate

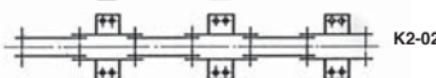
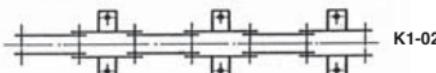
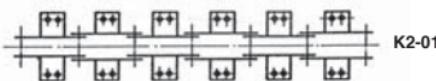
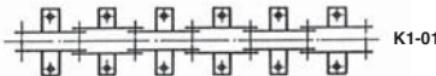
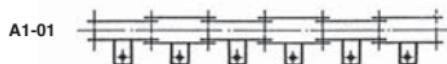
7 = attachments fixed only on outer plate

0 = attachments fixed on alternate inner and outer plate

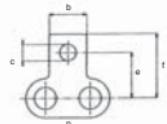
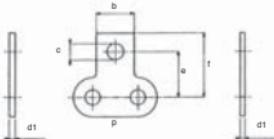
The following numbers show the assembling frequency (number of pitches) of the attachments on the chain.

### Example of sequence

K1	10B1	7.04
Attachment type	Chain type	fixed on outer plate (7) Every four pitches (04)



## Catene a rulli con attacchi - serie UNI / Roller Chains with Attachments - UNI Series

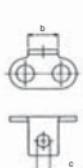
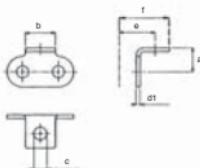
ATTACCO MAGLIA INTERNA  
INNER PLATE ATTACHMENTATTACCO MAGLIA ESTERNA  
OUTER PLATE ATTACHMENT

M35

M1

## Tipi M35 M1

Per Catena Chain	Passo Pitch	Dimensioni / Dimension							Sovrapeso unitario approx Approximate unit overweight	
		P mm	b mm	c mm	d mm	d1 mm	e mm	f mm	attacco M35 kg attachment M35 kg	attacco M1 kg attachment M1 kg
05B1	8,000	5,10	2,5	0,70	0,70	5,00	7,5	0,0003	0,0006	
06B1	9,525	8,00	3,5	1,03	1,27	9,50	13,5	0,0010	0,0020	
084-1	12,700	9,50	4,3	1,40	1,40	12,40	17,1	0,0010	0,0020	
08B1	12,700	9,50	4,3	1,40	1,63	14,10	19,2	0,0020	0,0040	
10B1	15,875	14,10	5,2	1,53	1,63	15,90	23,7	0,0030	0,0070	
12B1	19,050	16,00	5,6	1,90	1,90	17,90	26,2	0,0040	0,0080	
16B1	25,400	19,00	6,8	3,00	4,00	26,00	35,0	0,0200	0,0400	
20B1	31,750	25,25	8,4	3,35	-	31,75	42,0	0,0250	0,0500	

ATTACCO MAGLIA INTERNA  
INNER PLATE ATTACHMENTATTACCO MAGLIA ESTERNA  
OUTER PLATE ATTACHMENT

A1

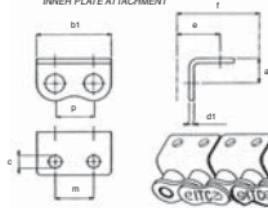
K1

## Tipi A1 K1

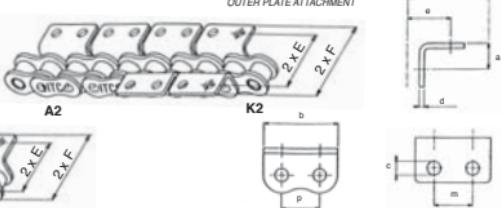
Per Catena Chain	Passo Pitch	Dimensioni / Dimension							Sovrapeso unitario approx Approximate unit overweight	
		P mm	a mm	b mm	c mm	d mm	d1 mm	e mm	f mm	attacco A1 kg attachment A1 kg
06B1	9,525	6,50	8,00	3,5	1,03	1,27	9,50	13,50	0,001	0,002
084-1	12,700	7,20	9,50	4,3	1,40	1,40	11,80	16,50	0,002	0,004
08B1	12,700	8,40	9,50	4,3	1,40	1,63	14,10	18,60	0,002	0,004
10B1	15,875	10,40	14,10	5,2	1,53	1,63	15,90	23,80	0,003	0,006
12B1	19,050	12,00	16,00	5,6	1,90	1,90	17,50	25,80	0,005	0,010
16B1	25,400	15,90	19,00	6,8	3,00	3,80	25,40	37,40	0,014	0,028
20B1	31,750	19,85	25,25	8,4	3,35	-	31,75	42,85	0,020	0,040
24B1	38,100	26,70	28,00	11,0	4,60	6,15	38,10	51,85	0,047	0,094

## Attacchi per catene da trasporto / Conveyor Chain Attachments

ATTACCO MAGLIA INTERNA  
INNER PLATE ATTACHMENT



ATTACCO MAGLIA ESTERNA  
OUTER PLATE ATTACHMENT



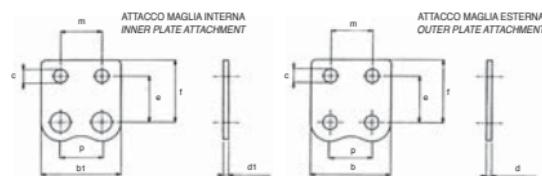
**Tipi A2 K2**

Per Catena Chain	Passo Pitch	Dimensioni / Dimension										Sovrappeso unitario approx Approximate unit overweight	
		P mm	a mm	b mm	b1 mm	c mm	d mm	d1 mm	e mm	f mm	m mm	attacco A2 kg attachment A2 kg	attacco K2 kg attachment K2 kg
06B1	9,525	6,50	17,55	-	3,5	1,03	-	9,50	13,50	9,5	0,001	0,002	
08B1	12,700	8,40	23,05	24,45	4,3	1,40	1,63	14,10	18,60	12,7	0,004	0,008	
10B1	15,875	10,3	26,60	30,00	5,2	1,53	1,63	15,90	23,80	15,9	0,006	0,013	
12B1	19,050	12,00	34,90	35,00	5,6	1,90	1,90	17,50	31,40	19,0	0,012	0,024	
16B1	25,400	15,90	45,85	46,00	6,8	3,0	4,00	25,40	39,7	25,4	0,035	0,070	

M35/2

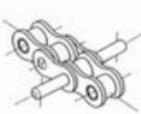
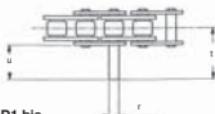


M2



**Tipi M35/2 - M2**

Per Catena Chain	Passo Pitch	Dimensioni / Dimension										Sovrappeso unitario approx Approximate unit overweight	
		P mm	b mm	b1 mm	c mm	d mm	d1 mm	e mm	f mm	m mm	attacco M35/2 kg attachment M35/2 kg	attacco M2 kg attachment M2 kg	
08B1	12,700	23,05	24,45	4,3	1,40	1,63	14,10	19,2	12,7	0,004	0,008		
10B1	15,875	28,60	30,00	5,2	1,53	1,63	15,90	23,7	15,9	0,006	0,013		
12B1	19,050	34,90	35,00	5,6	1,90	1,90	17,90	32,0	19,0	0,012	0,024		
16B1	25,400	45,85	46,00	6,8	3,00	4,00	26,00	36,8	25,4	0,035	0,070		



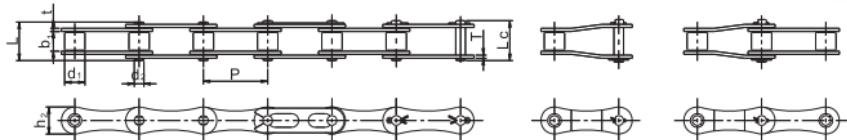
Esempio  
D1 BIS 001



**Tipi D1 - D1 bis**

Per Catena Chain	Passo Pitch	Dimensioni / Dimension				Sovrappeso unitario approx Approximate unit overweight			
		P mm	r mm	t mm	u mm	attacco D1 kg attachment D1 kg	attacco D1 bis kg attachment D1 bis kg		
06B1	9,525	3,28	16,5	11,0	0,001	0,002			
08B1	12,700	4,45	22,1	14,9	0,002	0,003			
10B1	15,875	5,08	26,1	17,5	0,003	0,005			
12B1	19,050	5,72	30,5	20,7	0,004	0,007			
16B1	25,400	8,28	49,9	33,9	0,014	0,027			

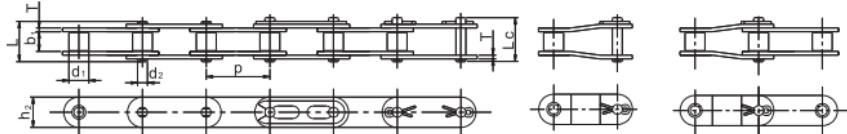
## Catene per trasmissione a passo lungo / Double Pitch Transmission Chains



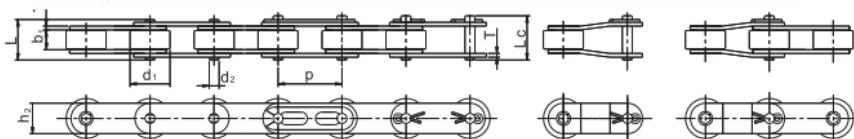
## SERIE AMERICANA / AMERICAN SERIES

Catena ISO/ DIN ISO/ DIN Chain No.	Catena ANSI ANSI Chain No.	Passo Pitch	Diam. Ruota Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter	
		P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max	mm	mm	kN	kg/m	
208A	2040	25.40	7.95	7.85	3.96	17.80	21.70	12.07	1.50	13.80/14.10	17.10	0.42
208B		25.40	8.51	7.75	4.45	17.00	20.90	11.81	1.60	17.80/18.00	19.60	0.45
210A	2050	31.75	10.16	9.40	5.08	21.80	25.90	15.09	2.06	21.80/22.20	28.00	0.73
210B		31.75	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.20/22.40	27.50	0.65
212A	2060	38.10	11.91	12.57	5.94	26.90	31.50	18.08	2.44	31.10/31.80	39.00	1.02
212B		38.10	12.07	11.68	5.72	22.50	24.20	16.00	1.85	28.90/29.00	33.30	0.76
216A	2080	50.80	15.88	15.75	7.92	33.50	38.90	24.13	3.26	55.60/56.70	71.50	1.70
216B		50.80	15.88	17.02	8.28	36.10	39.10	21.00	4.10/3.10	60.00	71.00	1.75
220A	2100	63.50	19.05	18.90	9.53	41.10	47.20	30.18	4.00	86.70/88.50	102.00	2.55
220B		63.50	19.05	19.56	10.19	41.30	45.00	26.40	4.60/3.60	95.00	101.80	1.95

## Catene da trasporto a passo lungo / Double Pitch Conveyor Chains



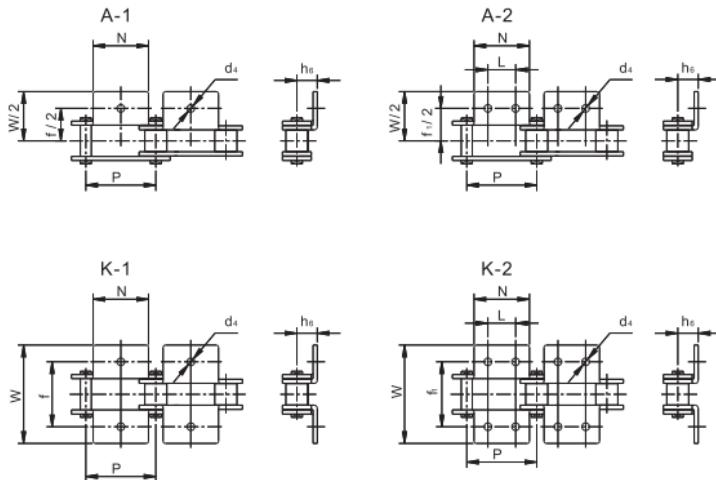
Rullo Standard / Small Roller Type



Rullo Maggiорato / Large Roller Type

Catena ISO/DIN ISO/DIN Chain No.	Catena ANSI ANSI Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadia Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Q(ISO/DIN) min	Carico di rottura medio Q <sub>0</sub>	Carico di rottura medio Q <sub>0</sub>	Peso approx.
												kg/m
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
C208A C208AL	C2040 C2042	25.40	7.95 15.88	7.85	3.96	17.80	21.70	12.07	1.50	13.80/14.10	17.80	0.50 0.84
C208B C208BL		25.40	8.51 15.88	7.75	4.45	17.00	20.90	11.81	1.60	17.80/18.00	19.60	0.55 0.89
C210A C210AL	C2050 C2052	31.75	10.16 19.05	9.40	5.08	21.80	25.90	15.09	2.06	21.80/22.20	28.00	0.73 1.27
C212A C212AL	C2060 C2062	38.10	11.91 22.23	12.57	5.94	26.90	31.50	18.08	2.44	31.10/31.80	39.00	1.12 1.61
C212AH C212AHL	C2060H C2062H	38.10	11.91 22.23	12.57	5.94	29.90	34.50	18.08	3.26	31.10/31.80	39.00	1.44 2.07
C216A C216AL	C2080 C2082	50.80	15.88 28.58	15.75	7.92	33.50	38.90	24.13	3.26	55.60/56.70	71.50	2.08 3.12
C216AH C216AHL	C2080H C2082H	50.80	15.88 28.58	15.75	7.92	36.60	42.00	24.13	4.00	55.60/56.70	71.50	2.54 3.58
C220A C220AL	C2100 C2102	63.50	19.05 39.67	18.90	9.53	41.40	47.20	30.18	4.00	86.70/88.50	102.00	3.01 4.83
C220AH C220AHL	C2100H C2102H	63.50	19.05 39.67	18.90	9.53	44.10	50.20	30.18	4.80	86.70/88.50	102.00	3.56 5.38
C224A C224AL	C2120 C2122	76.20	22.23 44.45	25.22	11.10	50.30	54.30	35.70	4.80	124.60/127.00	156.90	4.66 7.66
C224AH C224AHL	C2120H C2122H	76.20	22.23 44.45	25.22	11.10	53.50	57.50	35.70	5.65	124.60/127.00	156.90	5.26 8.26
C232A C232AL	C160 C162	101.60	28.58 57.15	31.75	14.27	64.80	69.60	47.80	6.45	222.40/226.80	269.70	8.15 13.00
C232AH C232AHL	C160H C162H	101.60	28.58 57.15	31.75	14.27	68.20	73.00	47.80	7.25	222.40/226.80	269.70	9.06 12.77

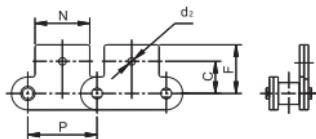
## Attacchi per catene da trasporto a passo lungo / Double Pitch Conveyor Chains Attachments



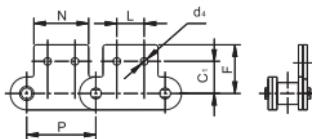
Catena ISO/DIN ISO/DIN Chain No.	Catena ANSI ANSI Chain No.	P	f	f <sub>1</sub>	W	h <sub>6</sub>	d <sub>4</sub>	L	N
		mm	mm	mm	mm	mm	mm	mm	mm
C208A C208AL	C2040 C2042	25.40	25.40	25.40	38.20	9.10	3.60	9.50	19.10
C208B C208BL		25.40	25.40	25.40	39.60	9.10	4.50	12.70	23.20
C210A C210AL	C2050 C2052	31.75	31.80	31.80	47.80	11.10	5.20	11.90	23.80
C212A C212AL	C2060 C2062	38.10	42.90	42.90	67.80	14.70	5.50	14.30	28.60
C212AH C212AHL	C2060H C2062H	38.10	42.90	42.90	67.80	14.70	5.20	14.25	28.60
C216A C216AL	C2080 C2082	50.80	55.60	55.60	87.80	19.10	6.60	19.10	38.10
C216AH C216AHL	C2080H C2082H	50.80	55.60	55.60	87.80	19.10	6.80	19.05	38.10
C220A C220AL	C2100 C2102	63.50	66.60	66.60	107.50	23.40	8.40	23.80	47.60
C220AH C220AHL	C2100H C2102H	63.50	66.60	66.60	107.50	23.40	8.40	23.80	47.60
C224AH C224AHL	C2120H C2122H	76.20	79.30	79.30	121.40	27.80	10.30/14.00	28.60	57.20

Attacchi per catene da trasporto a passo lungo / Double Pitch Conveyor Chains Attachments

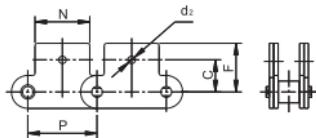
M 35



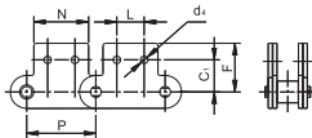
M 35/2



M 1



M 2

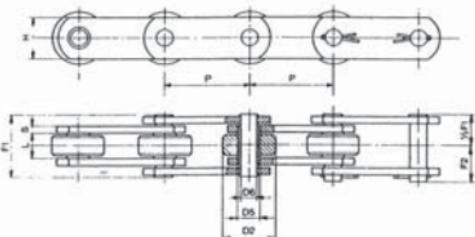


Catena ISO/DIN ISO/DIN Chain No.	Catena ANSI ANSI Chain No.	P	C	C <sub>1</sub>	F	d <sub>2</sub>	d <sub>4</sub>	L	N
		mm	mm	mm	mm	mm	mm	mm	mm
C208A C208AL	C2040 C2042	25.40	11.10	13.50	19.80	5.20	3.60	9.50	19.10
C208B C208BL		25.40	11.10	13.50	20.50	5.50	4.50	12.70	23.20
C210A C210AL	C2050 C2052	31.75	14.25	15.90	24.10	6.80	5.20	11.90	23.80
C212A C212AL	C2060 C2062	38.10	17.50	19.10	32.90	9.20	5.50	14.30	28.60
C212AH C212AHL	C2060H C2062H	38.10	17.50	19.05	31.55	8.70	5.20	14.25	28.60
C216A C216AL	C2080 C2082	50.80	22.20	25.40	43.50	11.00	6.60	19.10	38.10
C216AH C216AHL	C2080H C2082H	50.80	22.20	25.40	40.30	11.00	6.80	19.05	38.10
C220A C220AL	C2100 C2102	63.50	28.60	31.80	50.40	13.00	8.40	23.80	47.60
C220AH C220AHL	C2100H C2102H	63.50	28.60	31.80	50.40	13.00	8.40	23.80	47.60

## Catene non unificate a passo metrico / Non-Unified Chains

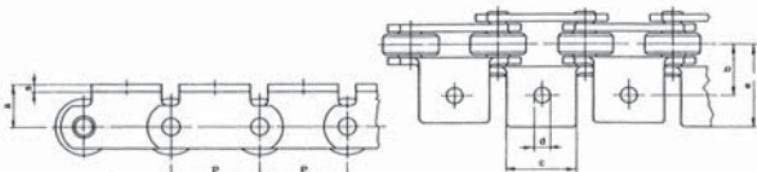
Catene per trasportatori

Chains for conveyors



A PERNI PIENI / SOLID PIN TYPE

Catena N° Chains N°	P mm	L mm	D2 mm	D5 mm	D6 mm	H mm	S mm	F1 mm	F2 mm	Carico di rottura Medium breaking load N.	Peso catena Weight of chain Kg/m
E 103	50	11,5	25	8,35	5,7	15	2	23,8	14,6	16.000	1,4
E 200	50	11,5	25	8,35	5,7	15	3	27	16,5	18.000	1,7
E 202	69	11,5	25	8,35	5,7	15	3	27	16,5	18.000	1,5
E 203	75	11,5	25	8,35	5,7	20	3	27	16,5	18.000	1,7
E 204	100	11,5	25	8,35	5,7	20	3	27	16,5	18.000	1,4
* E 205	50	11,5	25	8,35	5,7	18	2,5	25,5	15,4	18.000	1,7
- E 205 SS	50	11,5	25	8,35	5,7	18	2,5	25,5	15,4	18.000	1,7
E 206	50	11,5	25	11	8	20	3	28,8	16,5	22.000	1,9
E 206R	50	11,5	25	11	8	20	3	28,8	16,5	45.000	1,9



ATTACCHI / ATTACHMENTS

Catena N° Chains N°	P mm	a mm	b mm	c mm	d mm	e mm	s mm	Sovrap. unit. attacco Attachment unitary over weight Kg/m
E 103	50	25	231	41	6,5	32	2	0,023
E 200	50	25	23,5	41	6,5	34	3	0,035
E 202	69	27	24	66	6,5	34	3	0,050
E 203	75	27	34	45,5	6,5	46	3	0,055
E 204	100	27	31	60	7	44	3	0,060
E 205	50	24	22	46	6,5	36	2,5	0,035
E 205 B	50	14	32	46	6,5	45	2,5	0,035
E 205 SS	50	24	22	46	6,5	36	2,5	0,035
E 206	50	24	23	40	6,5	38	3	0,035
E 206R	50	24	23	40	6,5	38	3	0,035

Versioni alternative:

- Rulli in nylon, delrin, etc.
- A perni sporgenti
- Trattamento di zincatura - nichelatura - cadmatura
- \* Disponibile anche con perni sporgenti Ø 10x30 mm ogni 100 mm
- \* Esecuzione in acciaio inossidabile
- ▲ Attacchi a 3 fori (diametro fori laterali 6,5 mm - interasse fori 35 mm)

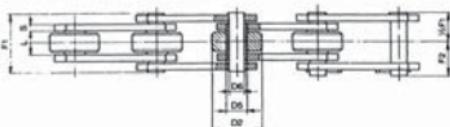
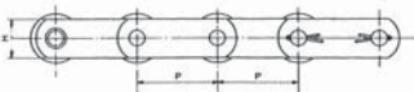
Alternative types:

- Nylon delrin, rollers etc
- With extended pins
- Galvanization zinc plating - nickel - plating - cadmium plating treatment
- \* Available with extended pins Ø 10x30 mm every 100 mm
- \* Stainless steel execution
- ▲ 3 hole-attachments (lateral holes diam. 6,5 mm - distance between centers 35 mm)

## Catene non unificate / Non-Unified Chains

Catene per trasportatori

Chains for conveyors



### A PERNI PIENI / SOLID PIN TYPE

Catena N° Chains N°	P mm	L mm	D2 mm	D5 mm	D6 mm	H mm	S mm	F1 mm	F2 mm	Carico di rottura Medium breaking load N.	Peso catena Weight of chain Kg/m
E 400	50	15	31	13,2	10	23	3	32,6	19,2	35.000	3 *
E 400 SS	50	15	31	13,2	10	23	3	32,6	19,2	30.000	3 **
E 401	75	15	31	13,2	10	25	3	32,6	19,2	35.000	2,8
E 402	100	15	31	13,2	10	25	3	32,6	19,2	35.000	2,3
E 500	50	15	31	13,2	10	25	4	36,6	20,7	45.000	3,9
E 500 R	50	15	31	13,2	10	25	4	36,6	20,7	75.000	3,9
E 501	75	15	31	13,2	10	25	4	36,6	20,7	45.000	3,2
E 502	100	15	31	13,2	10	25	4	36,6	20,7	45.000	2,7
E 503	125	15	31	13,2	10	25	4	36,6	20,7	45.000	2,5
E 504	150	15	31	13,2	10	25	4	36,6	20,7	45.000	2,4
E 701	75	22	40	17	12	35	4	44	25	75.000	5,9
E 703	100	22	40	17	12	35	4	44	25	75.000	4,9
E 704	125	22	40	17	12	35	4	44	25	75.000	4,4
E 705	150	22	60	17	12	35	4	44	25	75.000	4

### Versioni alternative:

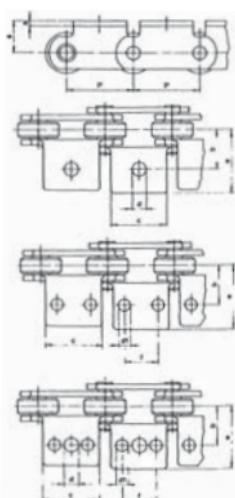
- Rulli in nylon, delrin, etc.
- A rulli flangiati
- A bussole
- Trattamento di zincatura - nichelatura - cadmatura
- Catene a piastre sagomate
- Esecuzione in acciaio inossidabile
- Attachi a 1 foro
- Attachi a 2 fori
- ▲ Attachi a 3 fori
- Attachi saldati

### Alternative types:

- Nylon, delrin, rollers etc.
- Flanged rollers
- With bushes
- Galvanization zinc plating - nickel - plating cadmium plating treatment
- Chain with shaped plates
- Stainless steel execution
- 1 hole attachments
- 2 hole attachments
- ▲ 2 hole attachments
- Welded attachments

### ATTACCHI / ATTACHMENTS

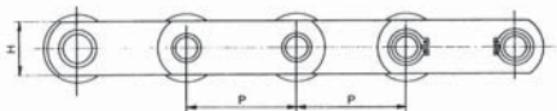
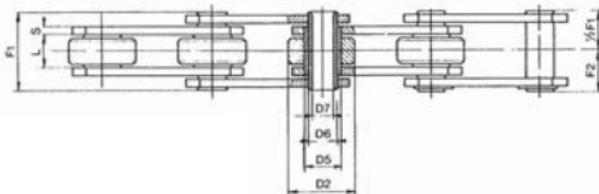
Catena N° Chains N°		P mm	a mm	b mm	c mm	d mm	d1 mm	e mm	f mm	s mm	Soprat. unit attacco Attachment unitary over-weight Kg/m
E 400	*	50	35	31	60	10	8,5	49,5	25	3	0,080
E 400 B	■	50	36,5	31	60	10	8,5	48,5	25	3	0,050
E 400 SS	*	50	35	31	60	10	/	49	/	3	0,080
E 400 SA	*	50	28	31	30	10	/	46	/	3	0,035
E 400 SB	*	50	16,5	42	30	10	/	57	/	3	0,035
E 401	■	75	30	28	60	10,5	9	41	30	3	0,060
E 402	▲	100	35	31	70	10	9	47,5	35	3	0,085
E 500	*	50	35	32	45	10	8,5	48	25	4	0,070
E 500 B	■	50	22	45	45	/	8,5	61	25	4	0,070
E 500 R	■	50	17,5	34	60	10	9	51	30	4	0,070
E 501	▲	75	30	29	60	10	9	43,5	30	4	0,080
E 502	▲	100	35	32	70	10	9	49,2	35	4	0,100
E 503	* ■ *	125	35	32	70	10	9	56	35	4	0,160
E 504	■ ■ *	150	35	32	100	10	9	56	50	4	0,250
E 701	* ■	75	26	38	50	10	9	70,5	25	4	0,100
E 703	▲	100	40	38	70	10	9	65	35	4	0,140
E 703 B	▲	100	26	38	70	10	9	66	35	4	0,120
E 704	▲	125	26	40	100	10	9	66	70	4	0,150
E 705	* ■ *	150	26	40	75	10	9	60	50	4	0,180



## Catene non unificate / Non-Unified Chains

## Catene a perni forati

## Hollow Pin Chains



Catena N° Chains N°	P mm	L mm	D2 mm	D5 mm	D6 mm	D7 mm	H mm	S mm	F1 mm	F2 mm	Carico di rottura Medium breaking load N.	Peso catena Weight of chain Kg/m
E 250	50	11,5	25	11	9	6,2	20	2,5	26	14,5	30.000	1,8
E 250 R	50	11,5	25	11	9	6,2	20	2,5	26	14,5	30.000	1,8
• E 250 SS	50	11,5	25	11	9	6,2	20	2,5	26	14,5	25.000	1,8
E 251	75	11,5	25	11	9	6,2	20	2,5	26	14,5	30.000	1,4
E 252	100	11,5	25	11	9	6,2	20	2,5	26	14,5	30.000	1,2
E 400 C	50	15	31	17	14	10,2	25	3	31	17,5	35.000	3
E 500 C	50	15	31	17	14	10,2	25	4	35	19,5	40.000	3,6
E 500 CR	50	15	31	17	14	10,2	25	4	35	19,5	65.000	3,6
E 501 C	75	15	31	17	14	10,2	25	4	35	19,5	40.000	3,1
E 502 C	100	15	31	17	14	10,2	25	4	35	19,5	40.000	2,6
E 503 C	125	15	31	17	14	10,2	25	4	35	19,5	40.000	2,4
E 504 C	150	15	31	17	14	10,2	25	4	35	19,5	40.000	2,3
E 701 C	75	22	40	23	18	12,2	35	4	42	24	60.000	4,6
E 703 C	100	22	40	23	18	12,2	35	4	42	24	60.000	4,6
E 704 C	125	22	40	23	18	12,2	35	4	42	24	60.000	4,2
E 705 C	150	22	40	23	18	12,2	35	4	42	24	60.000	4

Nota: Tutte le dimensioni indicate sono espresse in mm.

Note: All dimensions are expressed in mm.

## Versioni alternative:

- Trattamento di zincatura - nichelatura - cadmiatura
- Esecuzione in acciaio inossidabile

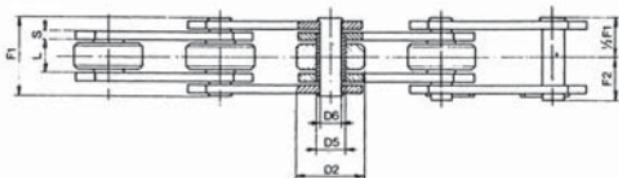
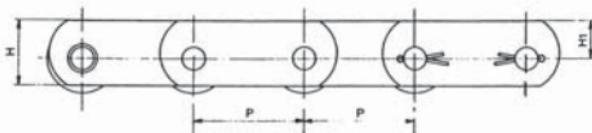
## Alternative types:

- Galvanization zinc plating - nickel - plating - cadmium plating treatment
- Stainless steel execution

## Catene non unificate / Non-Unified Chains

### A piastre disassate - non unificate

### Off-axis plates - non-standard



Catena N° Chains N°	P mm	L mm	D2 mm	D5 mm	D6 mm	H mm	H1 mm	S mm	F1 mm	F2 mm	Carico di rottura Medium breaking load N.	Peso catena Weight of chain Kg/m
E 350	50	11,5	18	8,35	5,7	17,5	10	2,5	25,5	15,4	20.000	1,25
E 351	50	11,5	25	8,35	5,7	25	16,5	2	23,8	14,6	20.000	2
E 352	50	15	31	13,2	10	30	17,5	4	36,6	20,7	60.000	4,5
E 353	75	15	31	13,2	10	30	17,5	4	36,6	20,7	60.000	3,8
E 354	100	15	31	13,2	10	30	17,5	4	36,6	20,7	60.000	3,5

Nota: Tutte le dimensioni indicate sono espresse in mm.

Note: All dimensions are expressed in mm.

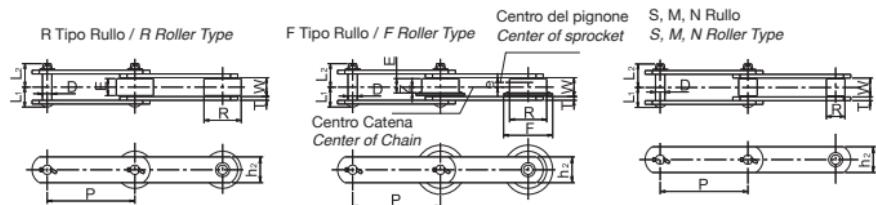
### Visioni alternative:

- Trattamento di zincatura - nichelatura - cadmatura

### Alternative types:

- Galvanization zinc plating - nickel - plating - cadmium plating treatment

## Catene da trasporto serie "RF" / RF Type Conveyor Chain Series



Catena Chain No.	Tipo di Rullo Roller type	Carico di rottura medio Average tensile strength	Passo Pitch	Rullo / Roller												Larghezza Piastra collegate Width link plates	
				R Rullo R Roller			F Rullo F Roller					S Rullo S Roller		M N Rullo M N Roller			
				P	R	E	R	F	E	e	Z	R	R	W			
				kh(kgf)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
RF 03075	R·F-S	29(3,000)	75		31,8	15,5	31,8	42	12	1,8	4,3	15,9	-		16,1		
RF 03100	R·F-S	100															
RF 430	R·S	54(5,500)	101,6	38,1	19	-	-	-	-	-	-	20,1	-		22,6		
RF 05075	S	75															
RF 05100	R·F-S	69(7,000)	100	40	19	40	50	14	2,5	4,5	22,2	-			22		
RF 05150	R·F-S	150															
RF 204	S	78(8,000)	66,27	-	-	-	-	-	-	-	-	22,2	-		27		
RF 450	R·F·S·M	78(8,000)	101,6	44,5	23	44,5	55	18	2,5	6,5	22,2	25,4			27		
RF 08150	R·F·S·M	78(8,000)	150	44,5	23	44,5	55	18	2,5	6,5	22,2	25,4			27		
RF 650	R·F·S·M	78(8,000)	152,4	50,8	26	50,8	65	20	3	7	25,8	31,8			30,2		
RF 10100	R·S·M	100															
RF 10150	R·F·S·M	113(11,500)	150	50,8	27	50,8	65	20	3	7	29	31,8			30		
RF 214	R·S·M	127(13,000)	101,6	44,5	27	-	-	-	-	-	-	31,8	34,9		31,6		
RF 205	S	127(13,000)	78,11	-	-	-	-	-	-	-	-	31,8	-		37,1		
RF 6205	R·F·S·M	186(19,000)	152,4	57,2	32	57,2	70	25	3,5	9	34,9	38,1			37,1		
RF 12200	R·F·S·M	200															
RF 12250	R·F·S·M	186(19,000)	250	65	32	65	80	24	4	8	34,9	38,1			37,1		
RF 212	R·S·M	245(25,000)	152,4	69,9	32,5	-	-	-	-	-	-	40,1	44,4		37,1		
RF 17200	R·F·S·M	200															
RF 17250	R·F·S·M	245(25,000)	250	80	44	80	100	34	5	12	40,1	44,5			51,4		
RF 17300	R·F·S·M	300															
RF 26200	S·M		200	-	-	-	-	-	-	-	-						
RF 26250	R·F·S·M	314(32,000)	250														
RF 26300	R·F·S·M	300	100	50	100	125	38	6	13	44,5	50,8				57,2		
RF 26450	R·F·S·M	450															
RF 36250	S·M		250	-	-	-	-	-	-	-	-						
RF 36300	R·F·S·M	300															
RF 36450	R·F·S·M	475(48,500)	450	125	56	125	150	42	7	14	50,8	57,2			66,7		
RF 36600	R·F·S·M	600															
RF 52300	R·F-S		300														
RF 52450	R·F-S	500(51,000)	450	140	65	140	170	49	8	16,5	57,2	-			77		
RF 52600	R·F-S	600															
RF 60300	R·F-N		300														
RF 60350	R·F-N	500(51,000)	350	140	68	140	170	49	8	16,5	-	70			77		
RF 60400	R·F-N	400															

A seconda dell'applicazione il diametro dei rulli S, M, variano. La larghezza del Rullo M è maggiore del Rullo S.

La larghezza del Rullo M è uguale al Rullo N.

Per Catene con Rullo tipo N, il diametro del perno è maggiorato rispetto alle catene con Rullo tipo M.

Note: S, M and N Rollers:

The outside diameter of S, M and N Rollers are less than the height of the link plate and are specified depending on the application. M Roller is a little larger than the S Roller, but the same size as N Roller size. For chain with N Roller, the PIN diameter is a little larger than that of M Roller Chain.

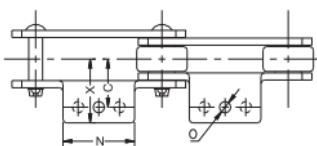
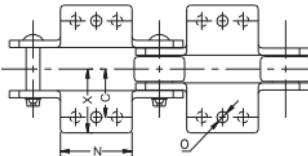
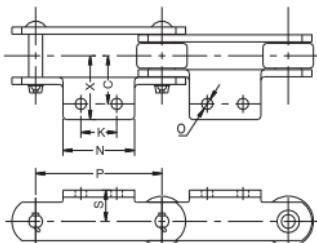
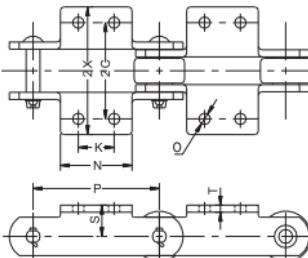
## Catene da trasporto serie "RF" / RF Type Conveyor Chain Series

Catena Chain No.	Piatto Link plate		Perno Pin				Peso a prox. Weight per meter				Attacchi Attachment type								
	h <sub>2</sub>	T	D	L <sub>1</sub> +L <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	R R Roller	F F Roller	S S Roller	M M Roller	N N Roller	A-1 IC-2	A-2 K-2	A-2 (Welded)	A-3 (Welded)	SA-2 SK-2	G-2	G-4	
	mm	mm	mm	mm	mm	mm	kg/m	kg/m	kg/m	kg/m	kg/m								
RF 03075	22	3,2	8,0	38	18	20	2,7	2,8	1,9	-	-	R-F-S	R-F-S			R-S			
RF 03100							2,3	2,4	1,7	-	-								
RF 430	25,4	4,8(5,0)	9,7	55	25,5	29,5	4,3	-	3,0	-	-	R-S	R-S			R-S			
RF 05075												S	S						
RF 05100	32	4,5	11,3	53,5	25	28,5	-	5,0	4,2	-	-	R-F-S	R-F-S		R-S	R-S			
RF 05150												4,1	5,2	3,7	-				
RF 204	28,6	6,3(6,0)	11,3	65,5	31	34,5	-	-	5,6	-	-	S	S	-	-				
RF 450	28,6	6,3(6,0)	11,3	65,5	31	34,5	6,8	7,2	4,6	4,9	4,9	R-F-S-M	R-F-S-M			R-S-M			
RF 08150	28,6	6,3(6,0)	11,3	65,5	31	34,5	5,5	5,6	4,0	4,2	4,2	R-F-S-M	R-F-S-M			R-S-M			
RF 650	38,1	6,3(6,0)	11,3	69	32,5	36,5	7,7	8,0	6,0	6,4	6,4	R-F-S-M	R-F-S-M			R-S-M	R-F-S-M	S-M	
RF 10100	38,1	6,3(6,0)	14,5	69	33	36	9,8	7,9	6,8	7,1	R-S-M	R-S-M		R-S-M	R-F-S-M	R-F-S-M	S-M		
RF 10150												7,9	8,1	5,9	6,1				
RF 214	38,1	7,9	15,9	77,5	37,5	40	10,4	-	8,7	9,1	R-S-M	R-S-M			R-S-M				
RF 205	38,1	7,9	15,9	83,5	40,5	43	-	-	10,4	-	-	S	-	-	-	-	-	-	
RF 6205	44,5	7,9	15,9	83,5	40,5	43	-	-	12,1	12,4	9,3	9,6	R-F-S-M	R-F-S-M			R-S-M	R-F-S-M	S-M
RF 12200	44,5	7,9	15,9	83,5	40,5	43	11,4	10,3	11,9	8,4	8,7	R-F-S-M	R-F-S-M		R-S-M	R-F-S-M	R-F-S-M	S-M	
RF 12250												10,6	7,8	8,0	6,1				
RF 212	50,8	9,5(10)	19,1	95,5	44,5	51	17,1	-	12,6	13,1	R-S-M	R-S-M			R-S-M				
RF 17200	50,8	9,5(10)	19,1	109,5	51,5	58	18,8	16,5	19,8	12,0	12,6	R-F-S-M	R-F-S-M		R-F-S-M	R-F-S-M	R-F-S-M	S-M	
RF 17250												16,5	17,3	11,1	11,6				
RF 17300												15,0	15,7	10,5	10,9				
RF 26200	63,5	9,5(10)	22,2	116,5	55,5	61	-	25,3	26,2	16,0	17,0	R-F-S-M	R-F-S-M		R-F-S-M	R-F-S-M	S-M		
RF 26250												22,3	23,6	13,8	14,5				
RF 26300												18,0	18,9	12,4	12,9				
RF 26450														R-F-S-M	R-F-S-M				
RF 36250	76,2	12,7	25,4	146	68	78	-	39,0	40,1	24,4	25,5	R-F-S-M	R-F-S-M		R-F-S-M	R-F-S-M	S-M		
RF 36300												30,7	31,9	20,2	20,8				
RF 36450												26,9	27,8	19,0	19,5				
RF 36600														R-F-S-M	R-F-S-M				
RF 52300	76,2	16	31,8	172	82	90	48,8	37,5	52,5	29,7	-	R-F-S	R-F-S		R-F-S	R-F-S	R-F-S		
RF 52450												32,9	34,3	26,2	-				
RF 52600														R-F-S	R-F-S				
RF 60300	90	12,7	35,0	160,5	77	83,5	52,4	47,2	55,1	31,0	R-F-N	R-F-N		R-F-N	R-F-N	R-F-N	R-F-N		
RF 60350												49,5	-	28,8					
RF 60400												48,8	45,8	-	27,7				
														R-F-N	R-F-N				

Spessore piastra T tra parentesi () per le versioni in acciaio Inox

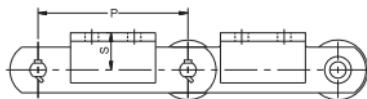
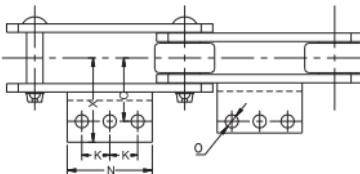
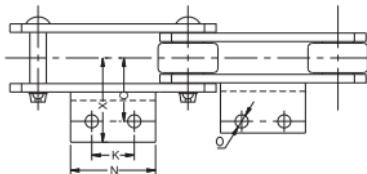
Note: Thickness of link plate T in () is for stainless steel.

## Catene da trasporto tipo RF con attacchi A/K / RF Conveyor Chain A/K Attachments

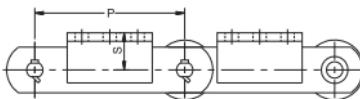
A-1 attacchi  
A-1 AttachmentK-1 attacchi  
K-1 AttachmentA-2 attacchi  
A-2 AttachmentK-2 attacchi  
K-2 Attachment

Catena Chain No.	Tipo di Rullo roller type	Passo Pitch P	Dimensioni degli attacchi Attachment dimension										Filletto Vite Size of Bolt	Massa aggiornata per attacco Additional Mass per Attachment Kg/att
			S	C	2C	X	2X	K	N	T	O			
RF03075	R - F - S	75	20	30	60	46	92	30	55	3.2	10	M8	0.05	
RF03100	R - F - S	100	20	30	60	46	92	40	65	3.2	10	M8	0.06	
RF430	R - S	101.6	22	40	80	54	108	40	70	4.8(5.0)	12	M10	0.11	
RF05075	S	75	22	35	70	52	104	30	55	4.5	10	M8	0.07	
RF05100	R - F - S	100	22	35	70	52	104	40	65	4.5	10	M8	0.08	
RF05150	R - F - S	150	22	35	70	52	104	60	85	4.5	10	M8	0.10	
RF204	S	66.27	24	45	90	59	118	-	35	6.3(6.0)	12	M10	0.08	
RF450	R - F - S - M	101.6	28	50	100	64	128	40	70	6.3(6.0)	12	M10	0.18	
RF08150	R - F - S - M	150	28	50	100	64	128	60	90	6.3(6.0)	12	M10	0.22	
RF650	R - F - S - M	152.4	32	50	100	64	128	60	90	6.3(6.0)	12	M10	0.22	
RF10100	R - S - M	100	28	50	100	65	130	40	70	6.3(6.0)	12	M10	0.16	
RF10150	R - F - S - M	150	28	50	100	65	130	60	90	6.3(6.0)	12	M10	0.20	
RF214	R - S - M	101.6	35	55	110	73	146	40	80	7.9	15	M12	0.28	
RF205	S	78.11	35	60	120	75	150	30	65	7.9	12	M10	0.23	
RF6205	R - F - S - M	152.4	38	60	120	79	158	60	100	7.9	15	M12	0.37	
RF12200	R - F - S - M	200	38	60	120	79	158	80	120	7.9	15	M12	0.45	
RF12250	R - F - S - M	250	38	60	120	79	158	125	170	7.9	15	M12	0.62	
RF212	R - S - M	152.4	45	65	130	83	166	60	100	9.5(10.0)	15	M12	0.49	
RF17200	R - F - S - M	200	45	75	150	98	196	80	120	9.5(10.0)	15	M12	0.66	
RF17250	R - F - S - M	250	45	75	150	98	196	125	170	9.5(10.0)	15	M12	0.86	

## Catene da trasporto tipo RF con attacchi A/K / RF Conveyor Chain A/K Attachments



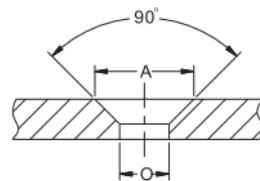
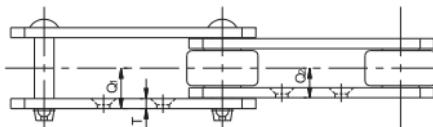
A-2 attacchi  
A-2 Attachment



A-3 attacchi  
A-3 Attachment

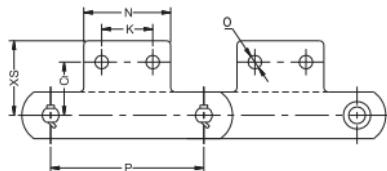
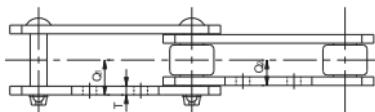
	Catena Chain No.	Tipo di Rullo roller type	Passo Pitch P	Dimensioni degli attacchi Attachment dimension						Attacco angolare Angle Steel	Filetto Vite Size of Bolt	Massa addizionale per attacco Additional Mass per Attachment Kg/att
				S	C	X	K	N	O			
A-2 Att.	RF17300	R - F - S - M	300	45	75	111	180	220	15	L65 x 65 x 6	M12	1.34
	RF26300	R - F - S - M	300	55	80	124	180	220	15	L75 x 75 x 9	M12	2.22
	RF60300	R - F - N	300	90	115	165	110	160	24	L100 x 100 x 13	M20	3.30
	RF90350	N	350	100	140	210	100	180	28	L130 x 130 x 15	M24	5.20
	RF90400	R - F - N	400	100	140	210	150	230	28	L130 x 130 x 15	M24	6.60
	RF120400	R - N	400	120	150	220	120	200	28	L130 x 130 x 15	M24	5.80
A-3 Att.	RF26450	R - F - S - M	450	55	80	124	140	320	15	L75 x 75 x 9	M12	3.26
	RF36450	R - F - S - M	450	70	100	160	140	330	19	L100 x 100 x 10	M16	5.07
	RF36600	R - F - S - M	600	70	100	160	180	410	19	L100 x 100 x 10	M16	6.26
	RF52450	R - F	450	80	120	171	140	330	24	L100 x 100 x 13	M20	6.30
	RF52600	R - F	600	80	120	171	180	410	24	L100 x 100 x 13	M20	7.80
	RF60350	R - F - N	350	90	115	165	80	220	24	L100 x 100 x 13	M20	4.20
	RF60400	R - F - N	400	90	115	165	100	260	24	L100 x 100 x 13	M20	6.00
	RF90500	R - F - N	500	100	140	210	130	340	28	L130 x 130 x 15	M24	9.80
	RF120600	R - F - N	600	220	150	220	160	400	28	L130 x 130 x 15	M24	11.50

## Catene da trasporto tipo RF con Attacchi G-2 / RF Conveyor Chain G-2 Attachments

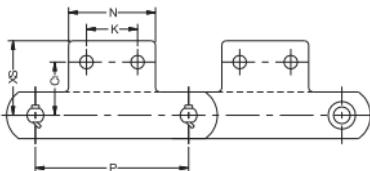
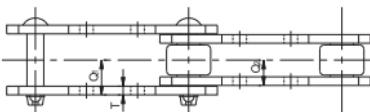
Attacchi G-2  
G-2 Attachment

Catena Chain No.	Tipo di Rullo roller Type	Passo Pitch P	Dimensioni degli attacchi Attachment dimension						Lunghezza Max Perno Max. Leght of Bolt		Filetto Vite Size of Bolt
			K	T	Q <sub>1</sub>	Q <sub>2</sub>	A	O	Pin Link	Roller Link	
RF05100	R - S	100	40	4.5	21	15.5	15	10	36	26	M8
RF05150	R - F - S	150	60	4.5	21	15.5	15	10	36	26	M8
RF650	R - F - S - M	152.4	60	6.3(6.0)	28.5(28)	21.5(21)	20	12	49	35	M10
RF10100	S - M	100	30	6.3(6.0)	28.5(28)	21.5(21)	20	12	49	35	M10
RF10150	R - F - S - M	150	60	6.3(6.0)	28.5(28)	21.5(21)	20	12	49	35	M10
RF6205	R - F - S - M	152.4	50	7.9	35.5	26.5	26	15	63	45	M12
RF12200	R - F - S - M	200	80	7.9	35.5	26.5	26	15	63	45	M12
RF12250	R - F - S - M	250	125	7.9	35.5	26.5	26	15	63	45	M12
RF17200	R - F - S - M	200	70	9.5(10.0)	45.5(46.5)	35(35.5)	26	15	81	61	M12
RF17250	R - F - S - M	250	110	9.5(10.0)	45.5(46.5)	35(35.5)	26	15	81	61	M12
RF17300	R - F - S - M	300	150	9.5(10.0)	45.5(46.5)	35(35.5)	26	15	81	61	M12
RF26300	R - F - S - M	300	140	9.5(10.0)	48(49)	35(35.5)	26	15	88	67	M12
RF26450	R - F - S - M	450	220	9.5(10.0)	48(49)	35(35.5)	26	15	88	67	M12
RF36450	R - F - S - M	450	220	12.7	60	46	32	19	105	75	M16
RF36600	R - F - S - M	600	300	12.7	60	46	32	19	105	75	M16
RF52450	R - F - S	450	200	12.7	71.5	45.5	38	24	125	90	M20
RF52600	R - F - S	600	300	16	71.5	45.5	38	24	125	90	M20

## Catene da trasporto tipo RF con attacchi SA-2 / SK-2 / RF Conveyor Chain SA-2 / SK-2 Attachments



Attacchi SA-2  
SA-2 Attachment

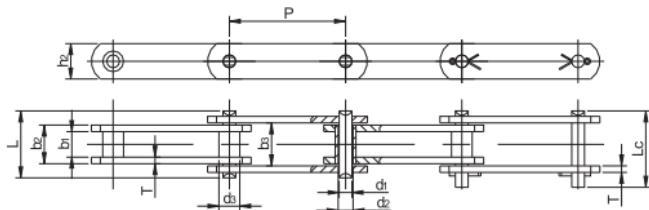


Attacchi SK-2  
SK-2 Attachment

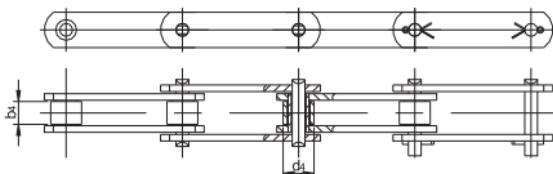
Catena Chain No.	Tipo di Rullo roller Type	Passo Pitch P	Dimensioni degli attacchi Attachment dimension								Filetto Vite Size of Bolt	Massa aggiornabile per attacchi SA-2 Additional Mass per SA-2 Attachment kg/att
			C <sub>1</sub>	XS	Q <sub>1</sub>	Q <sub>2</sub>	K	N	T	O		
RF03075	R · S	75	33	49	15.5	11.5	30	55	3.2	10	M8	0.05
RF03100	R · S	100	33	49	15.5	11.5	40	65	3.2	10	M8	0.06
RF430	R · S	101.6	37.6	51.6	22(22.5)	16(16.5)	40	70	4.8(5.0)	12	M10	0.11
RF05100	R · S	100	33.4	50.7	21	15.5	40	65	4.5	10	M8	0.08
RF05150	R · S	150	33.4	50.7	21	15.5	60	85	4.5	10	M8	0.10
RF450	R · S · M	101.6	47.6	60.7	27(26.5)	20(19.5)	40	70	6.3(6.0)	12	M10	0.18
RF08150	R · S · M	150	46.1	58.7	27(26.5)	20(19.5)	60	90	6.3(6.0)	12	M10	0.22
RF650	R · S · M	152.4	50	63	28.5(28)	21.5(21)	60	90	6.3(6.0)	12	M10	0.22
RF10100	R · S · M	100	46.1	61	28.5(28)	21.5(21)	40	70	6.3(6.0)	12	M10	0.16
RF10150	R · S · M	150	46.1	61	28.5(28)	21.5(21)	60	90	6.3(6.0)	12	M10	0.20
RF214	R · S · M	101.6	50	70	32.5	23.5	40	80	7.9	15	M12	0.28
RF6205	R · S · M	152.4	55	75.7	35.5	26.5	60	100	7.9	15	M12	0.37
RF12200	R · S · M	200	55	75.7	35.5	26.5	80	120	7.9	15	M12	0.45
RF12250	R · S · M	250	55	75.7	35.5	26.5	125	165	7.9	15	M12	0.62
RF212	R · S · M	152.4	60	83.6	38(39.5)	28(28.5)	60	100	9.5(10.0)	15	M12	0.49

## Catene da trasporto serie M / Conveyor Chains (M Series)

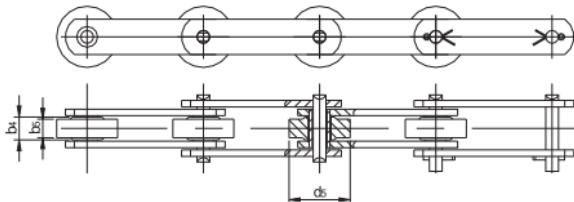
Senza Rullo  
Without Roller



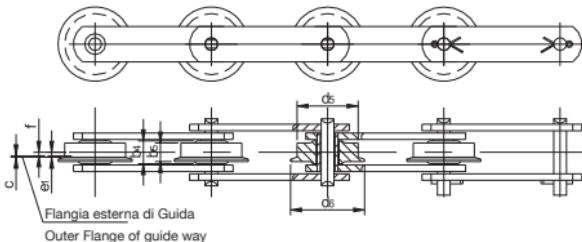
Con Rullo Standard "A"  
With "A" small Roller Type



Con Rulli Maggiorati "B" e "C"  
With "B" & "C" Large Roller Type



Con Rullo Flangiato "F" e "G"  
With "F" & "G" Flange Roller Type



## Catene da trasporto serie M / Conveyor Chains (M Series)

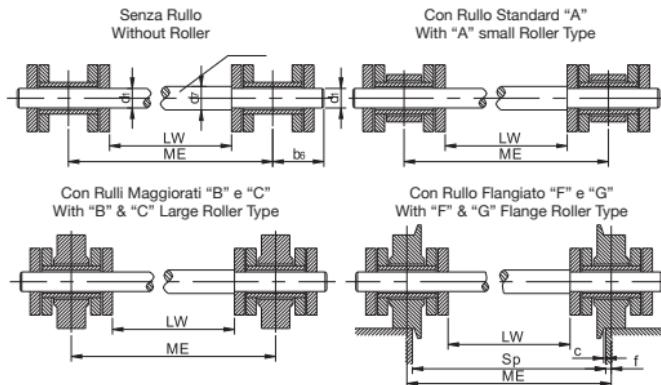
Tabella 1 / Chart 1

Catena ISO ISO Chain No.	Passo Pitch	Dimensioni Dimension									
		P	b <sub>1</sub> min	b <sub>2</sub> max	b <sub>3</sub> min	b <sub>4</sub> max	b <sub>5</sub> max	b <sub>6</sub> max	d <sub>1</sub> max	d <sub>2</sub> min	d <sub>3</sub> max
M20	40 · 50 · 63 · 80 100 · 125 · 160	16	22	22.2	15	14	24.5	6	6.1	9	12.5
M28	50 · 63 · 80 · 100 125 · 160 · 200	18	25	25.2	17	16	28	7	7.1	10	15
M40	63 · 80 · 100 · 125 160 · 200 · 250	20	28	28.3	19	18	31.5	8.5	8.6	12.5	18
M56	63 · 80 · 100 · 125 160 · 200 · 250	24	33	33.3	23	22	36	10	10.1	15	21
M80	80 · 100 · 125 · 160 200 · 250 · 315	28	39	39.4	27	26	43	12	12.1	18	25
M112	80 · 100 · 125 · 160 200 · 250 · 315	32	45	45.5	31	29	50.5	15	15.1	21	30
M160	100 · 125 · 160 · 200 250 · 315 · 400	37	52	52.5	36	34	58.5	18	18.1	25	36
M224	125 · 160 · 200 · 250 315 · 400 · 500	43	60	60.6	42	40	67	21	21.2	30	42
M315	160 · 200 · 250 · 315 400 · 500 · 630	48	70	70.7	47	45	77	25	25.2	36	50
M450	200 · 250 · 315 · 400 500 · 630 · 800	56	82	82.8	55	51	92.5	30	30.2	42	60
M630	250 · 315 · 400 · 500 630 · 800 · 1000	66	96	97	65	61	107	36	36.2	50	70
M900	250 · 315 · 400 · 500 630 · 800 · 1000	78	112	113	76	70	127	44	44.2	60	85

Tabella 1 continuo / Continue Chart 1

Catena ISO ISO Chain No.	Dimensioni Dimension									Sezione Resistente Bearing Area	Carico di rotura min. Ultimate tensile strength		
	d <sub>5</sub> max	d <sub>6</sub> max	d <sub>7</sub> max	e <sub>1</sub> =c+f		h <sub>2</sub>	L <sub>c</sub> max	L max	T		S cm <sup>2</sup>	Q(min) (/kN)	
				c	f								
M20	25	30	7	1	3	18	49	35	2.5	1.32	20	40	
M28	30	36	8.5	1	3.5	20	56	40	3	1.75	28	56	
M40	36	42	10	1	3.5	25	63	45	3.5	2.38	40	80	
M56	42	50	12	1.5	4.5	30	72	52	4	3.30	56	112	
M80	50	60	15	2	5	35	86	62	5	4.68	80	160	
M112	60	70	18	2.5	5	40	101	73	6	6.75	112	224	
M160	70	85	21	3	5.5	50	117	85	7	9.36	160	320	
M224	85	100	25	3	7	60	134	98	8	12.6	224	448	
M315	100	120	30	3	7.5	70	154	112	10	17.5	315	630	
M450	120	140	35	3.5	8	80	185	135	12	24.6	450	900	
M630	140	170	42	3.5	11	100	214	154	14	34.56	630	1260	
M900	170	210	50	3.5	13.5	120	254	180	16	49.28	900	1800	

## Catene da trasporto serie M / Conveyor Chains (M Series)



Catena ISO ISO Chain No.	Tipo di Rullo Roller type	Passo Gauge Pitch												
		Sp	250	315	400	500	630	800	1000	1250	1400	1600	1800	2000
M20	A, B, F,	ME	256	321	406	506	-	-	-	-	-	-	-	-
M28		LW	229	294	379	479	-	-	-	-	-	-	-	-
M40		ME	257	322	407	507	-	-	-	-	-	-	-	-
M56		LW	225	290	375	475	-	-	-	-	-	-	-	-
M80		ME	257	322	407	507	637	-	-	-	-	-	-	-
M112		LW	221	286	371	471	601	-	-	-	-	-	-	-
M160		ME	259	324	409	509	639	-	-	-	-	-	-	-
M224		LW	217	282	367	467	597	-	-	-	-	-	-	-
M315	A, B, C, F, G	ME	260	325	410	510	640	810	-	-	-	-	-	-
M450		LW	202	267	352	452	582	752	952	-	-	-	-	-
M630		ME	261	326	411	511	641	811	1011	1261	-	-	-	-
M900		LW	194	259	344	444	574	744	944	1194	-	-	-	-
		ME	264	329	414	514	644	814	1014	1264	1414	1614	1814	2014
		LW	187	252	337	437	567	737	937	1187	1337	1537	1737	1937
		ME	265	330	415	515	645	815	1015	1265	1415	1615	1815	2015
		LW	174	239	324	424	554	724	924	1174	1324	1524	1724	1924

## Catene da trasporto serie M / Conveyor Chains (M Series)

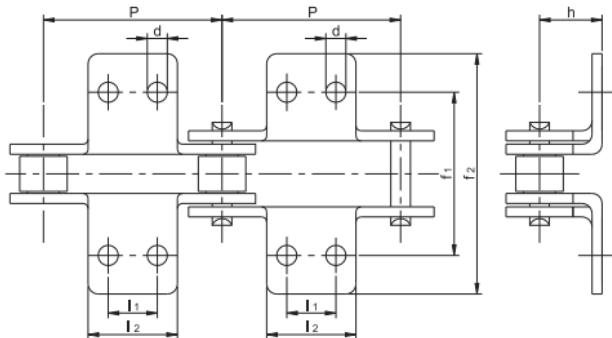


Tabella 1 / Chart 1

Catena ISO ISO Chain No.	Passo / Pitch											d	f <sub>1</sub>	f <sub>2</sub> max	h
	40	50	63	80	100	125	160	200	250	315					
M20	I <sub>1</sub>	-	-	20	35	50	50	50	-	-	-	6.6	54	84	16
	I <sub>2</sub> max	14	14	35	50	65	65	65	-	-	-				
M28	I <sub>1</sub>	-	-	-	25	40	65	65	65	-	-	9	64	100	20
	I <sub>2</sub> max	-	20	20	45	60	85	85	85	-	-				
M40	I <sub>1</sub>	-	-	-	20	40	65	65	65	65	-	9	70	112	25
	I <sub>2</sub> max	-	-	20	40	60	85	85	85	85	-				
M56	I <sub>1</sub>	-	-	-	-	25	50	85	85	85	-	11	88	140	30
	I <sub>2</sub> max	-	-	22	22	50	75	110	110	110	-				
M80	I <sub>1</sub>	-	-	-	-	-	50	85	125	125	125	11	96	160	35
	I <sub>2</sub> max	-	-	-	22	22	75	110	150	150	150				

Tabella 2 / Chart 2

Catena ISO ISO Chain No.	Passo / Pitch											d	f <sub>1</sub>	f <sub>2</sub> max	h
	80	100	125	160	200	250	315	400	500	630	800				
M112	I <sub>1</sub>	-	-	35	65	100	100	100	-	-	-	14	110	184	40
	I <sub>2</sub>	28	28	65	95	130	130	130	-	-	-				
M160	I <sub>1</sub>	-	-	-	50	85	145	145	145	-	-	14	124	200	45
	I <sub>2</sub>	-	30	30	80	115	175	175	175	-	-				
M224	I <sub>1</sub>	-	-	-	-	65	125	190	190	190	-	18	140	228	55
	I <sub>2</sub>	-	-	35	35	100	160	225	225	225	-				
M315	I <sub>1</sub>	-	-	-	-	50	100	155	155	155	155	18	160	250	65
	I <sub>2</sub>	-	-	-	35	85	135	190	190	190	190				
M450	I <sub>1</sub>	-	-	-	-	-	85	155	240	240	240	18	180	280	75
	I <sub>2</sub>	-	-	-	-	40	125	195	280	280	280				
M630	I <sub>1</sub>	-	-	-	-	-	-	100	190	300	300	24	230	380	90
	I <sub>2</sub>	-	-	-	-	-	50	150	240	350	350				
M900	I <sub>1</sub>	-	-	-	-	-	-	65	155	240	240	30	280	480	110
	I <sub>2</sub>	-	-	-	-	-	60	125	215	300	300				

## Catene da trasporto serie MT / Conveyor Chains (MTSeries)

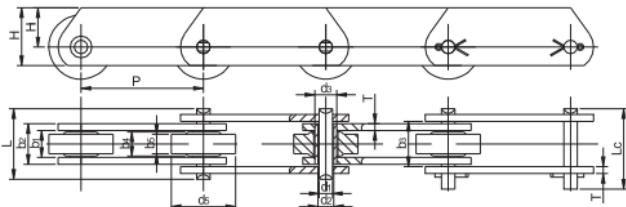


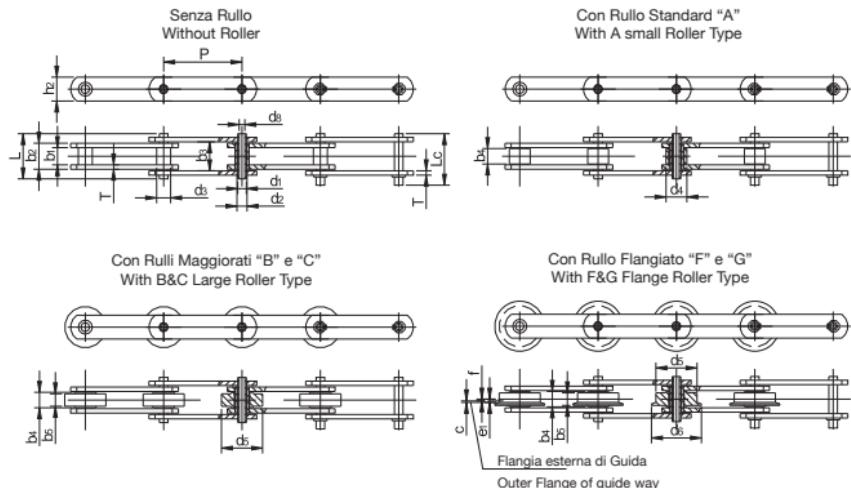
Tabella 1 / Chart 1

Tipo di Ruolo DIN 8169 Roller type DIN 8169	Catena ISO ISO Chain No.	Passo Pitch										Dimensioni Dimension chart					
		P										$b_1$ min	$b_2$ max	$b_3$ min	$b_4$ max		
B	MT20	40	50	63	80	100	125	160	-	-	-	-	16	22	22.2	15	
	MT28	-	50	63	80	100	125	160	200	-	-	-	18	25	25.2	17	
	MT40	-	-	63	80	100	125	160	200	250	-	-	20	28	28.3	19	
	MT56	-	-	63	80	100	125	160	200	250	-	-	24	33	33.3	23	
	MT80	-	-	-	80	100	125	160	200	250	315	-	28	39	39.4	27	
B,C	MT112	-	-	-	80	100	125	160	200	250	315	-	32	45	45.5	31	
	MT160	-	-	-	-	100	125	160	200	250	315	-	37	52	52.5	36	
	MT224	-	-	-	-	-	125	160	200	250	315	400	-	43	60	60.6	42
B,C	MT315	-	-	-	-	-	-	160	200	250	315	400	-	48	70	70.7	47
	MT450	-	-	-	-	-	-	-	200	250	315	400	500	56	82	82.8	55
	MT630	-	-	-	-	-	-	-	-	250	315	400	500	66	96	97	65
	MT900	-	-	-	-	-	-	-	-	250	315	400	500	78	112	113	76

Tabella 1 continuo / Continue Chart 1

Tipo di Ruolo DIN 8169 Roller type DIN 8169	Catena ISO ISO Chain No.	Dimensioni Dimension										Carico di rotura min. Ultimate tensile strength	Sezione Resistente Bearing Area
		$b_5$ max	$d_1$ max	$d_2$ min	$d_3$ max	$d_5$ max	H	$H_1$	$L_c$ max	$L$ max	T		
B	MT20	14	6	6.1	9	25	25	16	49	35	2.5	20	1.32
	MT28	16	7	7.1	10	30	30	20	56	40	3	28	1.75
	MT40	18	8.5	8.6	12.5	36	35	22.5	63	45	3.5	40	2.38
	MT56	22	10	10.1	15	42	45	30	72	52	4	56	3.30
	MT80	26	12	12.1	18	50	50	32.5	86	62	5	80	4.68
B,C	MT112	29	15	15.1	21	60	60	40	101	73	6	112	6.75
	MT160	34	18	18.1	25	70	70	45	117	85	7	160	9.36
	MT224	40	21	21.2	30	85	90	60	134	98	8	224	12.6
B,C	MT315	45	25	25.2	36	100	100	65	154	112	10	315	17.5
	MT450	51	30	30.2	42	120	120	80	185	135	12	450	24.6
	MT630	61	36	36.2	50	140	140	90	214	154	14	630	34.56
	MT900	70	44	44.2	60	170	180	120	254	180	16	900	49.28

## Catene da trasporto serie MC / Hollow Pin Conveyor Chains (MC Series)



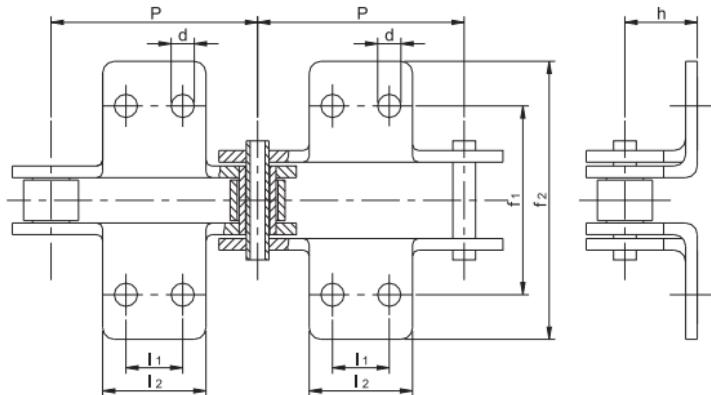
**Tabella 1 / Chart 1**

Tipo di Rullo DIN 8169 Roller type DIN 8169	Catena ISO ISO Chain No.	Passo Pitch					Dimensioni Dimension							
		P					$b_1$ min	$b_2$ max	$b_3$ min	$b_4$ max	$b_5$ max	$d_1$ max	$d_2$ min	$d_3$ max
A,B,F	MC28	63	80	100	125	160	-	20	28	28.3	19	18	13	13.1
	MC56	80	100	125	160	200	250	24	33	33.3	23	22	15.5	15.6
A,B,C,F,G	MC112	100	125	160	200	250	315	32	45	45.5	31	29	22	22.2
	MC224	160	200	250	315	400	500	43	60	60.6	42	40	31	31.2

**Tabella 1 continuo / Continue Chart 1**

Tipo di Rullo DIN 8169 Roller type DIN 8169	Catena ISO ISO Chain No.	Dimensioni Dimension										Carico di rottura min. Ultimate tensile strength	Sezione Resistente Bearing Area
		$d_4$ max	$d_5$ max	$d_6$ max	$d_8$ min	$e_1=c+f$		$h_2$	$L_c$ max	$L$ max	T		
A,B,F	MC28	25	36	42	8.2	1	3.5	25	47	42	3.5	28	3.64
	MC56	30	50	60	10.2	1.5	4.5	35	54	48	4	56	5.11
A,B,C,F,G	MC112	42	70	85	14.3	2.5	5	50	73	67	6	112	9.9
	MC224	60	100	120	20.3	3	7	70	96	90	8	224	18.6

## Catene da trasporto serie MC / Hollow Pin Conveyor Chains with Attachments (MC Series)



Catena ISO ISO Chain No.		Passo / Pitch p										d	f_1	f_2 max	h
		63	80	100	125	160	200	250	315	400	500				
MC28	I <sub>1</sub>	-	20	40	65	65	-	-	-	-	-	9	70	112	25
	I <sub>2max</sub>	20	40	60	85	85	-	-	-	-	-				
MC56	I <sub>1</sub>	-	-	-	50	85	125	125	-	-	-	11	88	152	35
	I <sub>2max</sub>	-	25	25	75	110	150	150	-	-	-				
MC112	I <sub>1</sub>	-	-	-	-	50	85	145	145	-	-	14	110	192	45
	I <sub>2max</sub>	-	-	30	30	80	115	175	175	-	-				
MC224	I <sub>1</sub>	-	-	-	-	-	50	100	155	155	155	18	140	220	65
	I <sub>2max</sub>	-	-	-	-	35	85	135	190	190	190				

Catene da trasporto serie MCT / Hollow Pin Conveyor Chains high Attachment Plates (MCT Series)

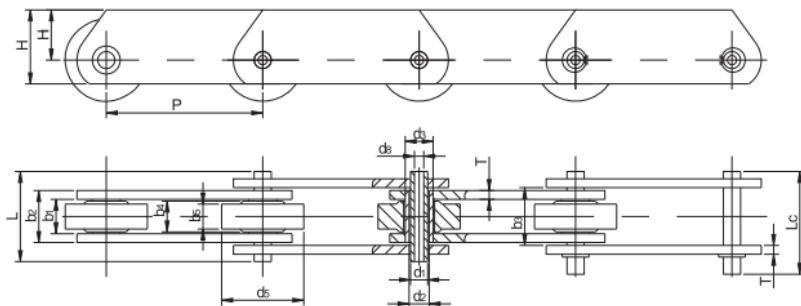


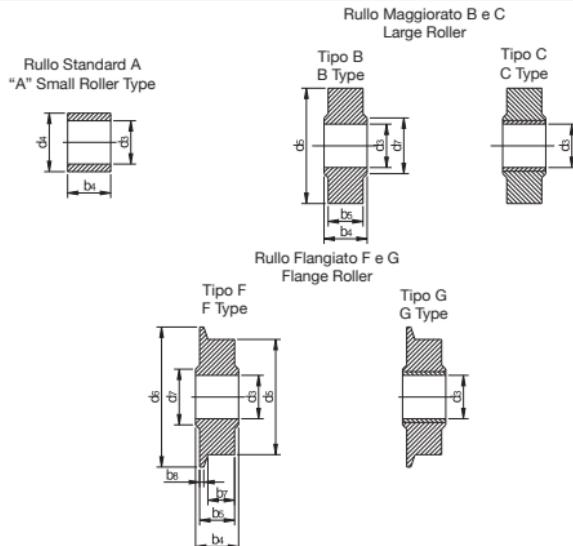
Tabella 1 / Chart 1

Tipo di Rullo DIN 8169 Roller type DIN 8169	Catena ISO ISO Chain No.	Passo Pitch										Dimensioni Dimension				
		P										b <sub>1</sub> min	b <sub>2</sub> max	b <sub>3</sub> min	b <sub>4</sub> max	b <sub>5</sub> max
B	MCT28	63	80	100	125	160	-	-	-	-	-	20	28	28.3	19	18
	MCT56	-	80	100	125	160	200	250	-	-	-	24	33	33.3	23	22
B,C	MCT112	-	-	100	125	160	200	250	315	-	-	32	45	45.5	31	29
	MCT224	-	-	-	-	160	200	250	315	400	500	43	60	60.6	42	40

Tabella 1 continuo / Continue Chart 1

Tipo di Rullo DIN 8169 Roller type DIN 8169	Catena ISO ISO Chain No.	Dimensioni Dimension										Carico di rottura min. Ultimate tensile strength	Sezione Resistente Bearing Area	
		d <sub>1</sub> max	d <sub>2</sub> min	d <sub>3</sub> max	d <sub>5</sub> max	d <sub>8</sub> min	H	H <sub>1</sub>	L <sub>c</sub> max	L max	T			
B	MCT28	13	13.1	17.5	36	8.2	35	22.5	47	42	3.5	28		3.64
	MCT56	15.5	15.6	21	50	10.2	50	32.5	54	48	4	56		5.11
B,C	MCT112	22	22.2	29	70	14.3	70	45	73	67	6	112		9.90
	MCT224	31	31.2	41	100	20.3	100	65	96	90	8	224		18.60

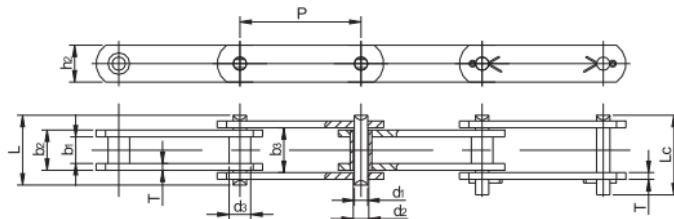
Catene da trasporto serie M, MT, MC, e MCT / Rollers for Conveyor Chains of ISO-Type M, MT, MC .and MCT with solid and hollow Pins



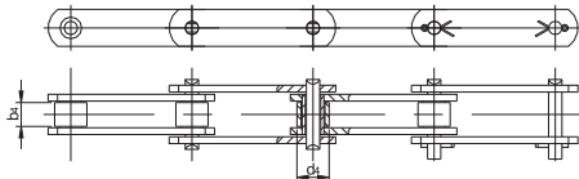
Tipo di Rullo Roller Type	Catena ISO ISO Chain No.	b <sub>4</sub> max	b <sub>5</sub> max	b <sub>7</sub> min	b <sub>8</sub> max	d <sub>3</sub> min	d <sub>4</sub> max	d <sub>5</sub> max	d <sub>6</sub> max	d <sub>7</sub> ≈
A, B, F	M20	15	14	11	2.5	9.1	12.5	25	30	18
	M28	17	16	12.5	3	10.1	15	30	36	20
	M40	19	18	13.5	3.5	12.6	18	36	42	25
	M56	23	22	17	4	15.1	21	42	50	30
	M80	27	26	20	5	18.1	25	50	60	35
A, B, C, F, G	M112	31	29	22	6	21.1	30	60	70	40
	M160	36	34	25.5	7	25.2	36	70	85	50
	M224	42	40	30	8	30.2	42	85	100	60
	M315	47	45	33	10	36.2	50	100	120	60
	M450	55	51	37	12	42.2	60	120	140	70
	M630	65	61	45	13.5	50.2	70	140	170	85
	M900	76	70	52	15	60.2	85	170	210	110
A, B, F	M28	19	18	13.5	3.5	17.6	25	36	42	25
	M56	23	22	17	4	21.1	30	50	60	35
A, B, C, F, G	M112	31	29	22	6	29.2	42	70	85	50
	M224	42	40	30	8	41.2	60	100	120	70

## Catene da trasporto serie FV / Conveyor Chains (FV Series)

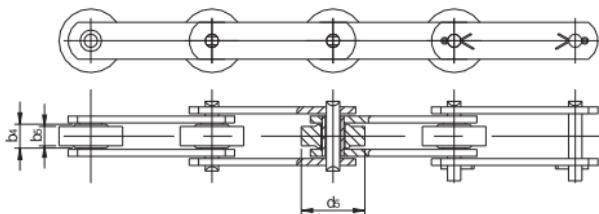
Senza Rullo  
Without Roller



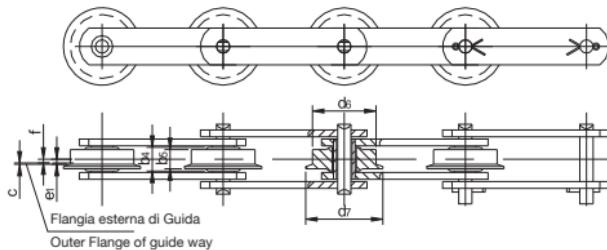
Con Rullo Standard "A"  
With "A" small Roller Type



Con Rulli Maggiorati "B" e "C"  
With "B" & "C" Large Roller Type



Con Rullo Flangiato "D" e "E"  
With "D" & "E" Flange Roller Type



## Catene da trasporto Serie FV / Conveyor Chains (FV Series)

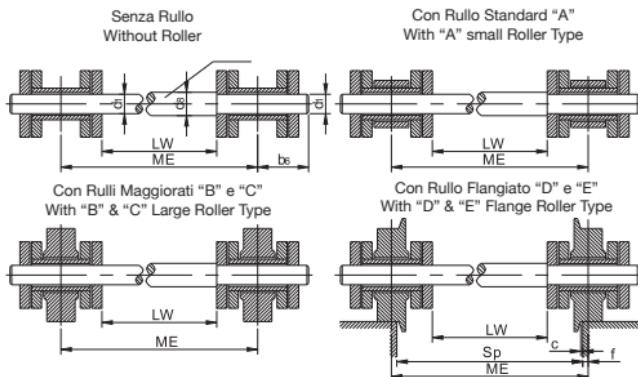
Tabella 1 / Chart 1

Catena ISO ISO Chain No.	Passo Pitch	Dimensioni Dimensions									
		P	b <sub>1</sub> min	b <sub>2</sub> max	b <sub>3</sub> min	b <sub>4</sub> max	b <sub>5</sub> max	b <sub>6</sub> max	d <sub>1</sub> max	d <sub>2</sub> min	d <sub>3</sub> max
FV40	40 - 63 - 100	18	24.5	25	17	16	22	10	10.1	15	20
FV63	63 - 100 - 125 - 160	22	30.5	31	21	20	27.5	12	12.1	18	26
FV90	63 - 100 - 125 160 - 200 - 250	25	35.5	36	24	23	31	14	14.1	20	30
FV112	100 - 125 - 160 - 200 - 250	30	42.5	43	29	28	36	16	16.1	22	32
FV140	100 - 125 - 160 200 - 250 - 315	35	47.5	48	34	32	40	18	18.1	26	36
FV180	125 - 160 - 200 250 - 315 - 400	45	61.5	62.5	44	42	50	20	20.2	30	42
FV250	125 - 160 - 200 250 - 315 - 400	55	72	73	54	50	57	26	26.2	36	50
FV315	160 - 200 - 250 - 315 - 400	65	86	87	64	60	66.5	30	30.2	42	60
FV400	160 - 200 - 250 - 315 - 400	70	96	97	68	64	75.5	32	32.2	44	60
FV500	160 - 200 - 250 315 - 400 - 500	80	106	107	78	72	80.5	36	36.2	50	70
FV630	200 - 250 - 315 - 400 - 500	90	116	117	88	80	86.5	42	42.2	56	80

Tabella 1 continuo / Continue Chart 1

Catena ISO ISO Chain No.	Dimensioni Dimensions										Sezione Resistente Bearing Area	Carico di rottura min. Ultimate tensile strength		
	d <sub>5</sub> max	d <sub>6</sub> max	d <sub>7</sub> max	d <sub>8</sub> max	e <sub>1</sub> =c+f		h <sub>2</sub> max	L <sub>c</sub> max	L max	T		Q(min) (/kN)		
					c	f								
FV40	32	40	48	15	1	3	26	44	37	3	2.5	40	80	
FV63	40	50	60	18	1.5	3.5	30	55	46	4	3.7	63	126	
FV90	48	63	73	20	2	4.5	35	62	53	5	5	90	180	
FV112	55	72	87	22	2.5	5	40	72	63	6	6.8	112	224	
FV140	60	80	95	26	3	6	45	80	68	6	8.6	140	280	
FV180	70	100	120	30	3	10	50	100	86	8	12.3	180	360	
FV250	80	125	145	36	3.5	11.5	60	114	98	8	18.7	250	500	
FV315	90	140	170	42	3.5	14.5	70	133	117	10	25.8	315	630	
FV400	100	150	185	44	3.5	16.5	70	151	131	12	30.7	400	800	
FV500	110	160	195	50	3.5	17.5	80	161	141	12	36.2	500	1000	
FV630	120	170	210	56	4.5	17.5	100	173	153	12	48.7	630	1260	

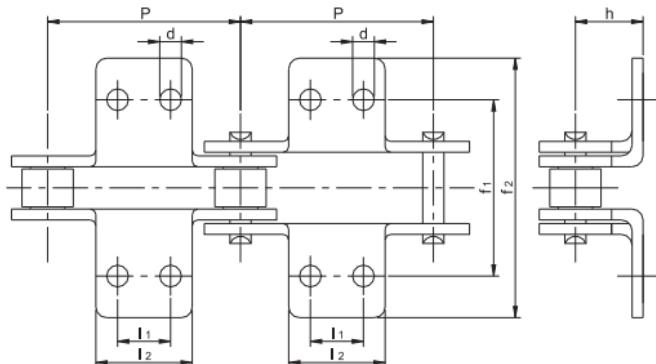
## Catene da trasporto serie FV / Conveyor Chains (FV Series)



**Tabella 2 / Chart 2**

Catena ISO ISO Chain No.	Passo / Gauge Pitch												
	Sp	250	315	400	500	630	800	1000	1250	1400	1600	1800	2000
FV40	ME	256	321	406	508	636	-	-	-	-	-	-	-
	LW	225	290	375	475	605	-	-	-	-	-	-	-
FV63	ME	257	322	407	507	637	807	-	-	-	-	-	-
	LW	218	283	368	468	598	768	-	-	-	-	-	-
FV90	ME	259	324	409	509	639	809	1009	-	-	-	-	-
	LW	213	278	363	463	593	763	963	-	-	-	-	-
FV112	ME	260	325	410	510	640	810	1010	1280	-	-	-	-
	LW	205	270	355	455	585	755	955	1205	-	-	-	-
FV140	ME	262	327	412	512	642	812	1012	1282	-	-	-	-
	LW	202	267	352	452	582	752	952	1202	-	-	-	-
FV180	ME	270	335	420	520	650	820	1020	1270	1420	1620	1820	2020
	LW	191.5	256.5	341.5	441.5	571.5	741.5	941.5	1191.5	1341.5	1541.5	1741.5	1941.5
FV250	ME	273	338	423	523	653	823	1023	1273	1423	1623	1823	2023
	LW	184	249	334	434	564	734	934	1184	1334	1534	1734	1934
FV315	ME	279	344	429	529	659	829	1029	1279	1429	1629	1829	2029
	LW	172	237	322	422	552	722	922	1172	1322	1522	1722	1922
FV400	ME	-	348	433	533	663	833	1033	1283	1433	1633	1833	2033
	LW	-	227	312	412	542	712	912	1762	1312	1512	1712	1912
FV500	ME	-	350	435	535	665	835	1035	1285	1435	1635	1835	2035
	LW	-	219	304	404	534	704	904	1154	1304	1504	1704	1904
FV630	ME	-	-	435	535	665	835	1035	1285	1435	1635	1835	2035
	LW	-	-	294	394	524	694	894	1144	1294	1494	1694	1894

## Catene da trasporto serie FV / Conveyor Chains (FV Series)



Catena ISO ISO Chain No.		Passo / Pitch									d	f <sub>1</sub>	f <sub>2</sub> max	h
		63	100	125	160	200	250	315	400	500				
FV40	l <sub>1</sub>	-	30	-	-	-	-	-	-	-	6.6	50	100	20
	l <sub>2</sub> <sup>max</sup>	31	50	-	-	-	-	-	-	-				
FV63	l <sub>1</sub>	-	30	40	50	-	-	-	-	-	9	68	110	30
	l <sub>2</sub> <sup>max</sup>	40	50	60	70	-	-	-	-	-				
FV90	l <sub>1</sub>	-	30	40	50	60	65	-	-	-	9	80	130	35
	l <sub>2</sub> <sup>max</sup>	-	50	60	70	80	85	-	-	-				
FV112	l <sub>1</sub>	-	30	40	50	65	80	-	-	-	11	100	140	40
	l <sub>2</sub> <sup>max</sup>	-	50	65	75	90	105	-	-	-				
FV140	l <sub>1</sub>	-	30	40	50	65	80	100	-	-	11	100	170	45
	l <sub>2</sub> <sup>max</sup>	-	55	65	75	90	105	125	-	-				
FV180	l <sub>1</sub>	-	-	35	50	65	80	100	100	-	13.5	128	190	45
	l <sub>2</sub> <sup>max</sup>	-	-	65	80	95	110	130	130	-				
FV250	l <sub>1</sub>	-	-	-	50	65	80	100	100	-	13.5	138	230	55
	l <sub>2</sub> <sup>max</sup>	-	-	50	80	95	110	130	130	-				
FV315	l <sub>1</sub>	-	-	-	-	65	80	100	100	-	13.5	170	260	60
	l <sub>2</sub> <sup>max</sup>	-	-	-	50	95	110	130	130	-				
FV400	l <sub>1</sub>	-	-	-	-	60	80	100	100	-	17.5	190	290	65
	l <sub>2</sub> <sup>max</sup>	-	-	-	50	100	120	140	140	-				
FV500	l <sub>1</sub>	-	-	-	-	50	80	100	100	100	17.5	200	300	70
	l <sub>2</sub> <sup>max</sup>	-	-	-	50	90	120	140	140	140				
FV630	l <sub>1</sub>	-	-	-	-	-	70	100	100	100	17.5	230	350	80
	l <sub>2</sub> <sup>max</sup>	-	-	-	-	50	110	140	140	140				

Catene da trasporto serie FVT con attacchi / Conveyor Chains with high Attachment Plates (FVT Series)

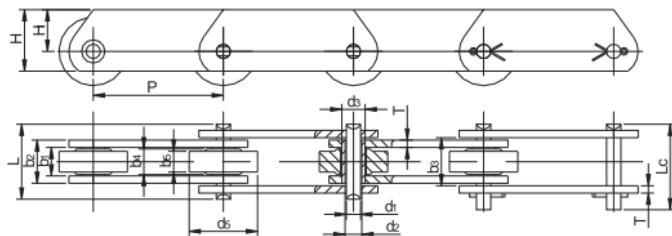


Tabella 1 / Chart 1

Catena ISO ISO Chain No.	Passo Pitch										Dimensioni Dimension chart			
	P										b <sub>1</sub> min	b <sub>2</sub> max	b <sub>3</sub> min	b <sub>4</sub> max
FVT40	40	63	100	-	-	-	-	-	-	-	18	24.5	25	17
FVT63	-	63	100	125	160	-	-	-	-	-	22	30.5	31	21
FVT90	-	63	100	125	160	200	250	-	-	-	25	35.5	36	24
FVT112	-	-	100	125	160	200	250	-	-	-	30	42.5	43	29
FVT140	-	-	100	125	160	200	250	315	-	-	35	47.5	48	34
FVT180	-	-	-	125	160	200	250	315	400	-	45	61.5	62.5	44
FVT250	-	-	-	125	160	200	250	315	400	-	55	72	73	54
FVT315	-	-	-	-	160	200	250	315	400	-	65	86	87	64
FVT400	-	-	-	-	160	200	250	315	400	-	70	96	97	68
FVT500	-	-	-	-	160	200	250	315	400	500	80	106	107	78
FVT630	-	-	-	-	-	200	250	315	400	500	90	116	117	88

Continuo Tabella 1 / Continue Chart 1

Catena ISO ISO Chain No.	Dimensioni Dimension										Carico di rottura min. Ultimate tensile strength	Sezione Resistente Bearing Area
	b <sub>5</sub> max	d <sub>1</sub> max	d <sub>2</sub> min	d <sub>3</sub> max	d <sub>5</sub> max	H	H <sub>1</sub>	L <sub>c</sub> max	L <sub>max</sub>	T		
FVT40	16	10	10.1	15	32	35	22	44	37	3	40	2.5
FVT63	20	12	12.1	18	40	40	25	55	46	4	63	3.7
FVT90	23	14	14.1	20	48	45	27.5	62	53	5	90	5
FVT112	28	16	16.1	22	55	50	30	72	63	6	112	6.8
FVT140	32	18	18.1	26	60	60	37.5	80	68	6	140	8.6
FVT180	42	20	20.2	30	70	70	45	100	86	8	180	12.3
FVT250	50	26	26.2	36	80	80	50	114	98	8	250	18.7
FVT315	60	30	30.2	42	90	90	55	133	117	10	315	25.8
FVT400	64	32	32.2	44	100	90	55	151	131	12	400	30.7
FVT500	72	36	36.2	50	110	100	60	161	141	12	500	38.2
FVT630	80	42	42.2	56	120	120	70	173	153	12	630	48.7

## Catene per trasporto serie FVS / Hollow Pin Conveyor Chains (FVS Series)

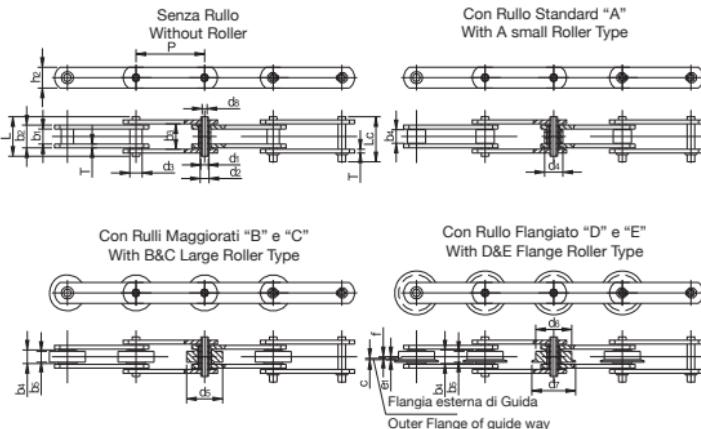


Tabella 1 / Chart 1

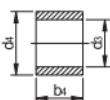
Catena ISO ISO Chain No.	Passo Pitch						Dimensioni Dimensions							
	P						$b_1$ min	$b_2$ max	$b_3$ min	$b_4$ max	$b_5$ max	$d_1$ max	$d_2$ min	$d_3$ max
FVC63	63	100	125	160	-	-	22	30.5	31	21	20	12	12.1	18
FVC90	63	100	125	160	200	250	25	35.5	36	24	23	14	14.1	20
FVC112	100	125	160	200	250	-	30	42.5	43	29	28	16	16.1	22
FVC140	100	125	160	200	250	315	35	47.5	48	34	32	18	18.1	26
FVC180	125	160	200	250	315	400	45	61.5	62.5	44	42	20	20.2	30
FVC250	125	160	200	250	315	400	55	72	73	54	50	26	26.2	36
FVC315	160	200	250	315	400	-	65	86	87	64	60	30	30.2	42

Continuo Tabella 1 / Continue Chart 1

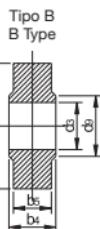
Catena ISO ISO Chain No.	Dimensioni Dimensions											Sezione Resistente Bearing Area	Carico di rottura min. Ultimate tensile strength		
	$d_4$ max	$d_5$ max	$d_6$ max	$d_7$ max	$d_8$ max	$e_1 = c + f$		$h_2$ max	$L_c$ max	$L$ max	T				
						c	f								
FVC63	26	40	50	63	8	1.5	3.5	30	51.5	46	4	3.7	46		
FVC90	30	48	63	78	10	2	4.5	35	56.5	53	5	5	73		
FVC112	32	55	72	90	11	2.5	5	40	64.0	63	6	6.8	90		
FVC140	36	60	80	100	12	3	6	45	69.5	68	6	8.6	110		
FVC180	42	70	100	125	14	3	10	50	88.0	86	8	12.3	145		
FVC250	50	80	125	155	18	3.5	11.5	60	104.5	98	8	18.7	215		
FVC315	60	90	140	175	20	3.5	14.5	70	121.5	117	10	25.8	295		

Catene da trasporto serie FV, FVT e FVC / Rollers for Conveyor Chains of ISO-Type FV, FVT and FVC with solid and hollow Pins

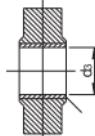
Rullo Standard A  
Small Roller A Type



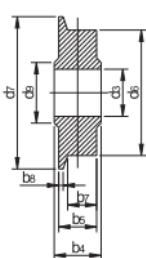
Rullo Maggiorato B e C  
Large Roller



Tipo C  
C Type

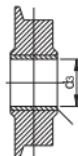


Tipo D  
D Type



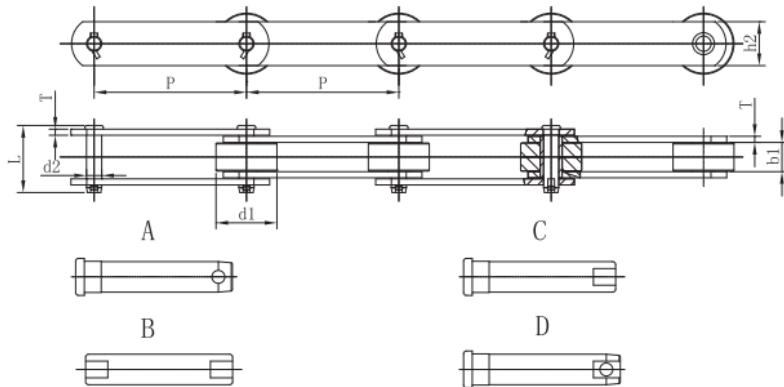
Rullo Flangiato  
Flange Roller

Tipo E  
E Type



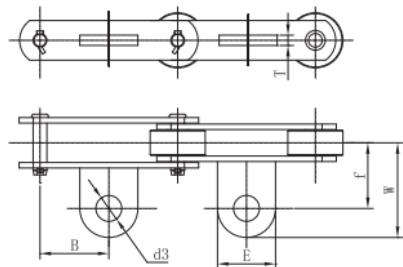
Catena ISO ISO Chain No.	b <sub>4</sub> max	b <sub>5</sub> max	b <sub>7</sub> min	b <sub>8</sub> max	d <sub>3</sub> min	d <sub>4</sub> max	d <sub>5</sub> max	d <sub>6</sub> max	d <sub>7</sub> max	d <sub>9</sub> ≈
FV40	17	16	12	3	15.1	20	32	40	48	26
FV63	21	20	15	4	18.1	26	40	50	60	30
FV90	24	23	18	4	20.1	30	48	63	73	35
FV112	29	28	21.5	5	22.2	32	55	72	87	40
FV140	34	32	25	5.5	26.2	36	60	80	95	45
FV180	44	42	34	6.5	30.2	42	70	100	120	50
FV250	54	50	40	8	36.2	50	80	125	145	60
FV315	64	60	48	10	42.2	60	90	140	170	70
FV400	68	64	52	10	44.2	60	100	150	185	70
FV500	78	72	57	12	50.2	70	110	160	195	80
FV630	88	80	62	14	56.2	80	120	170	210	100

## Catene per l'agricoltura / Agricultural chains

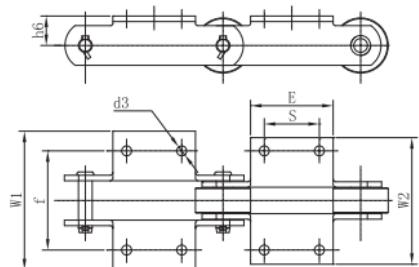


Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Perno Pin			Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	b1 max	d1 max	d2 max	L max	Type				
	mm	mm	mm	mm	mm					
09040	101.6	29.3	50.8	17.46	78.5	A	44.5	8	178.4	13.16
09041	101.6	31.8	57.15	15.88	72.8	B/C	38.1	6.4	72.3	11.67
09050	127	38.4	69.85	19	96.5	B/C	50.8	9.6	180	19.22
09060	152.4	37.7	69.85	18.9	94.3	A/D	50.8	9.5	250	17.2
09061	152.4	37.7	69.85	18.9	95.2	A	57.2	9.5	377.9	16.74
09062	152.4	37.8	69.85	76.2	73	22.23	97.1	D	57.2	9.5
09063	152.4	38	76.2	23.83	102	A	60.3	10.3	622.3	21.88
09064	152.4	38	76.2	23.83	102	D	61.9	10.3	635	22.2

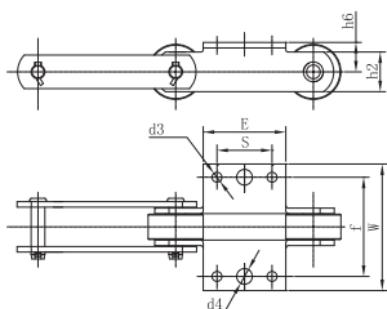
Catene a piastre diritte per la raccolta delle barbabietole / Palm Chains



Catena Chain No.	B	f	W	E	d3	T
	mm	mm	mm	mm	mm	mm
09060	76,2	67	87,4	45	21	15
09061	76,2	67	87,4	45	21	15
09062	76,2	67	87,4	45	21	15

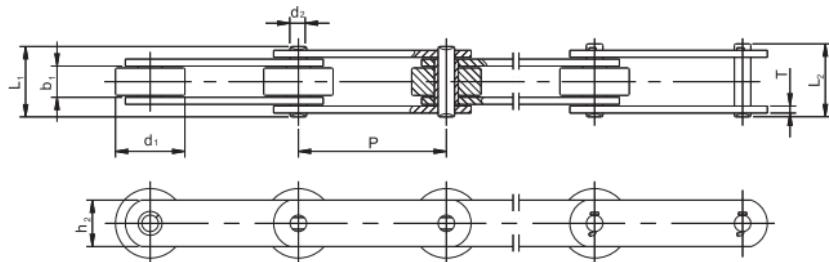


Catena Chain No.	h6	S	E	d3	f	W1	W2
	mm	mm	mm	mm	mm	mm	mm
09060	41,3	76,2	114,3	13	111,1	171,5	151,1
09061	41,3	76,2	114,3	13	111,1	165,1	144,7
09062	41,3	76,2	114,3	11,1/13/14	111,1	165,1	144,7
09063	44,5	76,2	114,3	14,3/12,7	111,1	165,1	143,1



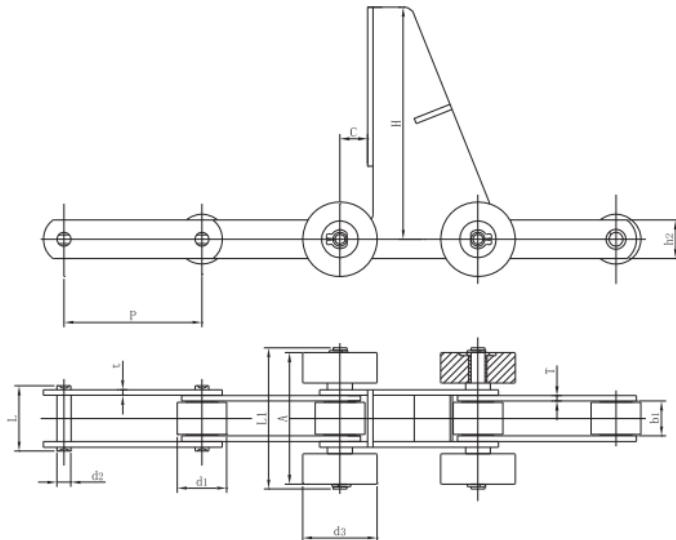
Catena Chain No.	h6	S	E	d3	d4	f	W	h2
	mm	mm	mm	mm	mm	mm	mm	mm
09041	36	50,8	82,6	10,3	15	101,6	133,6	44,4
09050	39,6	50,8	82,6	10,3	13,5	103,4	139,4	50,8

## Catene a piastre diritte per la raccolta delle barbabietole / Palm Chains



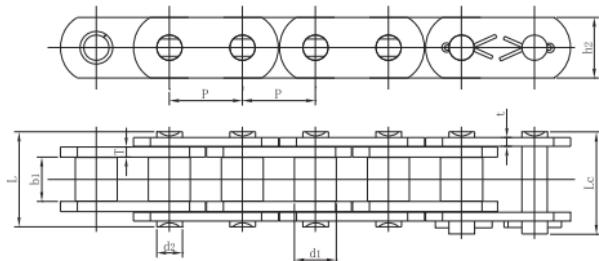
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra plate depth h2 max	Spessore piastra Plate thickness T	Carico di rottura medio Average tensile strength $Q_u$	Peso aprox. q ~
	P	$d_1$ max	$b_1$ min	$d_2$ max	$L_1$ max	$L_2$ max				
	mm	mm	mm	mm	mm	mm				
RF90R-S	101.60	47.60	21.40	11.32	47.50	51.50	31.80	4.80	80.36	6.10
RF94R-S	101.60	50.80	30.00	14.50	63.60	67.00	38.10	6.30	112.70	9.90
SC150040	101.60	47.60	19.10	19.05	48.00	53.30	40.00	5.10	66.64	7.13

Catene da trasporto per acciaieria / Conveyor Chains for Steel Plant

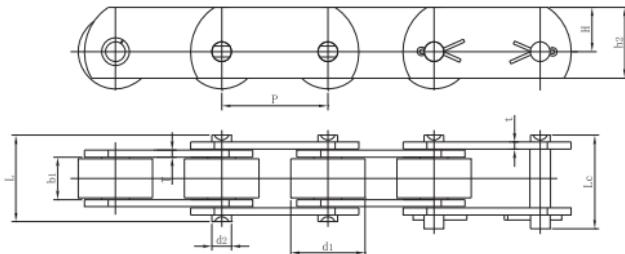


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter		Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Dimensioni piastre e attacchi Plate and attachment dimensions						Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
		$d_1$ max	$d_3$ max			$b_1$ min	$d_2$ max	$L$ max	$L'$ max	$h_2$ max	$t/T$	$A$	$C$	$H$	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN
KM P250	250.0	90.0	135.0	63.0	25.0	116.0	255.0	70.0	10.0	240.0	50.0	420.0	300.0	33.51	

## Catene da trasporto per acciaieria / Conveyor Chains for Steel Plant

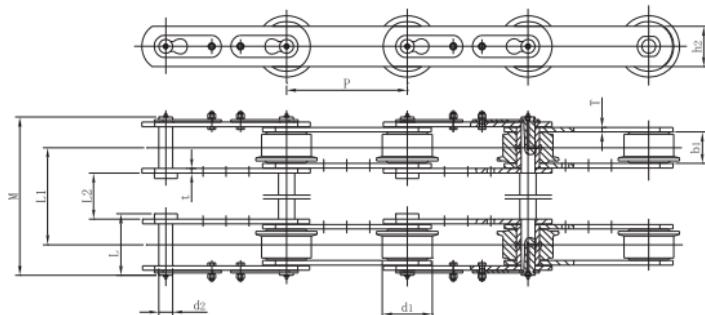


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h 2 max	t/T	Q min	q ≈
	mm	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m
C50.8	50.80	29.21	30.99	17.81	67.40	75.30	42.29	6.0/7.0	120.0	10.93



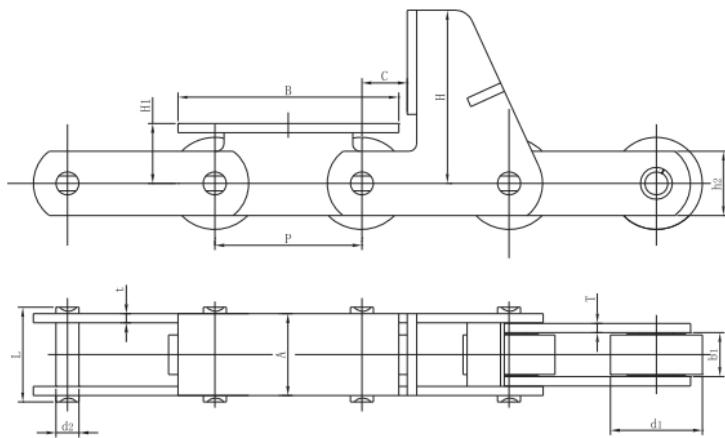
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max	h 2 max	H max	t/T	q ≈
	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg/m
C63	63.0	42.0	24.0	11.1	50.0	59.0	40.0	25.6	4.0	50.0
C100	100.0	55.0	30.5	16.0	-	73.0	50.0	30.0	6.0	10.0
										12.31

Catene da trasporto per acciaieria / Conveyor Chains for Steel Plant



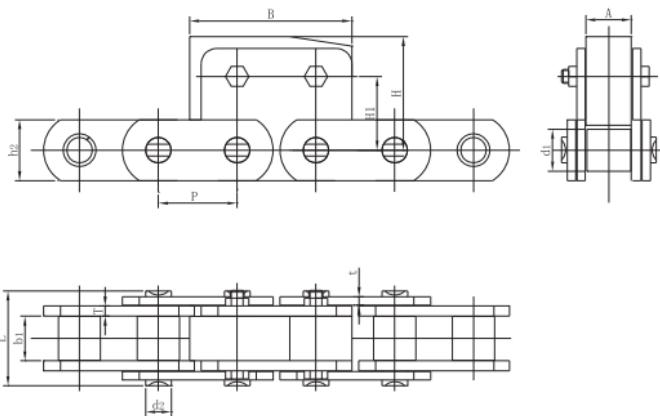
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre e accessori Plate and accessory dimensions					Carico di rotura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d1 max	b1 min	d2 max	L max	h2 max	t/T	M	L1	L2	Q min	q =
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m
M450a-315	315.0	130.0	82.0	36.0	161.5	105.0	12.0	1545.0	1383.0	1250.0	4 5 0	131.6

## Catene da trasporto per acciaieria / Conveyor Chains for Steel Plant



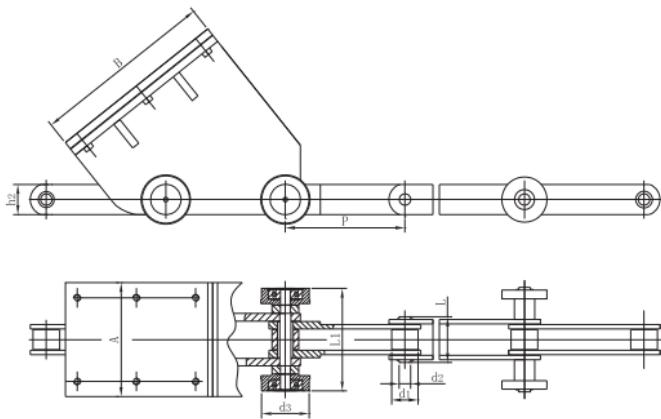
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						P	d1 max	b1 min	d2 max	L max	h 2 max	t/T	A	B	C	
						mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
KM P160	160.0	100.0	48.0	25.0	101.0	72.0	10	90.0	240.0	50.0	65.0	188.0	315.0	36.4		

Catene da trasporto per acciaieria / Conveyor Chains for Steel Plant



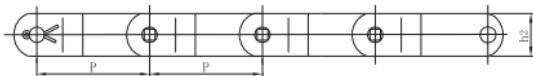
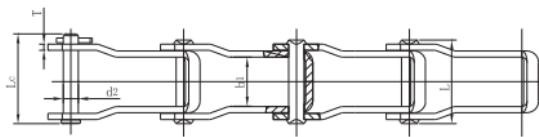
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribedita Pin length	Dimensioni piastre e accessorio Plate and accessory dimensions							Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		d1 max	b1 min	d2 max	L max	h 2 max	t/T	A	B	H1	H	Q min	q =		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m		
C76.2	76.2	48.26	45.72	29.24	100.0	63.88	10/12	45.0	151.0	69.1	104.1	280.0	27.77		

## Catene da trasporto per acciaieria / Conveyor Chains for Steel Plant



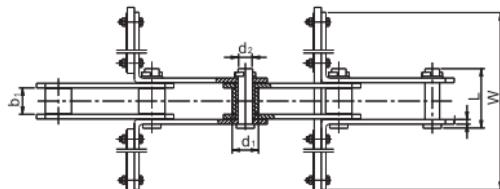
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter		Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre e attacchi Plate and attachment dimensions				Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		P	d1 max	d3 max	b1 min	d2 max	L max	L' max	h 2 max	A	B		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m
C315	315.0	70.0	125.0	56.0	30.0	122.0	273.5	80.0	300.0	480.0	450.0	23.78	

## Catene da trasporto a perni / Steel Pintle Chains

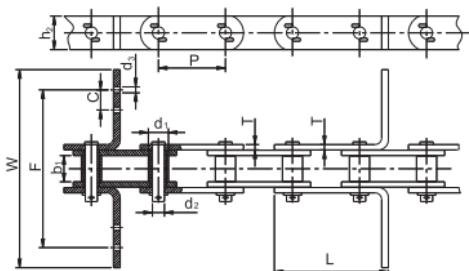


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d2 max	b1 min	L max	Lc max	h 2 max	T	Q min	q m
	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m
205	31.75	5.08	9.80	21.20	24.20	12.20	2.06	12.50	0.64
662	42.27	7.15	23.2	40.35	44.00	18.30	3.20	37.80	1.71
667H	58.75	7.92	25.6	43.05	47.00	22.23	3.20	42.30	1.85
667J	57.15	9.53	27.00	49.65	54.50	23.80	4.30	62.28	2.27
667K	57.15	11.1	27.80	54.50	58.85	26.80	5.10	89.00	3.88
667X	57.15	11.1	27.00	50.00	54.80	23.80	4.30	66.70	2.96
88K	66.27	11.1	27.80	54.50	58.85	26.80	5.10	89.00	3.64
667XH	57.15	11.9	27.80	57.40	61.25	26.80	5.70	124.6	4.44

## Catene da trasporto a perni / Steel Pintle Chains

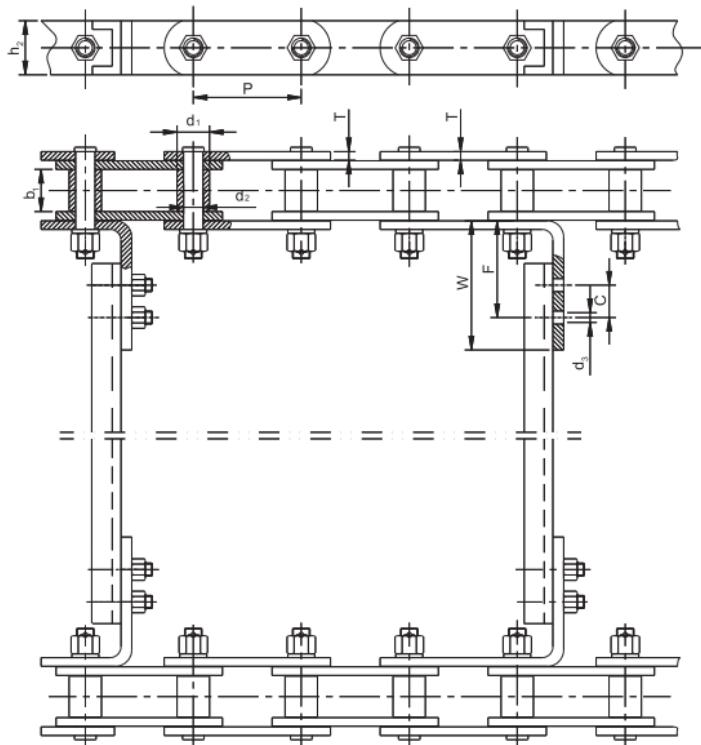


Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Altezza piastra Plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Lunghezza Perno Pin length	Lunghezza Raschietto Scraper plate length	Carico di rottura min. Ultimate tensile strength
P	b <sub>1</sub>	d <sub>1</sub>	h <sub>2</sub>	T	d <sub>2</sub>	L	W	Q
mm	mm	mm	mm	mm	mm	mm	mm	kN
160	45	45	60	8	25	102	480	315



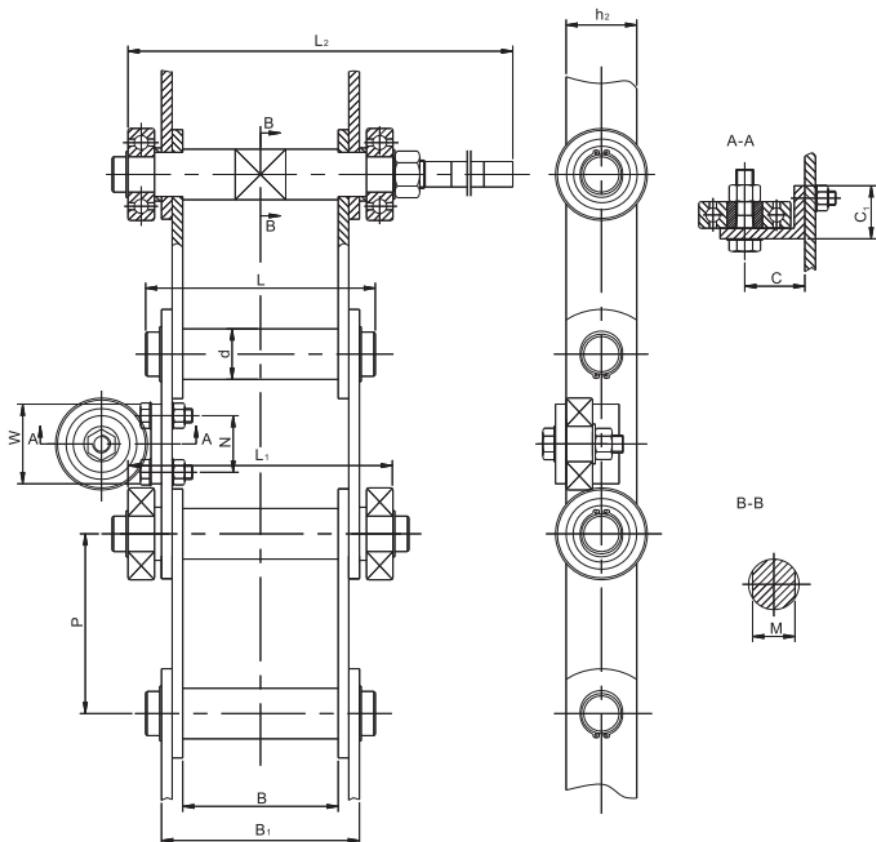
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Altezza piastra Plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Dimensioni degli attacchi Attachment dimension					Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub>	b <sub>1</sub>	h <sub>2</sub>	T	d <sub>2</sub>	d <sub>3</sub>	C	F	W	L	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
GSS75	75	30	30	40	6	12	9	20	140/190	180/230	135	78.4
GSS100	100	38	39	50	8	18	9	30	235/315	295/375	170	215.6
GSS125	125	40	52	55	10	20	9	100	400/530	460/590	200	274.4

Catene da trasporto per industria alimentare / Chains for food industry



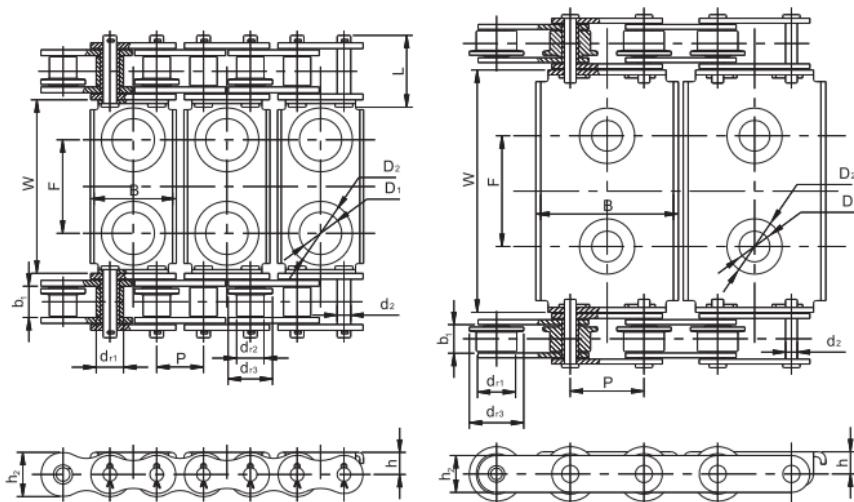
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Altezza piastra Plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Dimensioni degli attacchi Attachment dimension				Carico di rotura min. Ultimate tensile strength
		d <sub>1</sub>	b <sub>1</sub>	h <sub>2</sub>	T	d <sub>2</sub>	d <sub>3</sub>	C	F	W	Q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
HGSS100	100	38	39	50	8	20	12	30	89.5	119.5	215.6
HGSS125	125	40	52	65	10	28	14	40	130	160	274.4

## Catene da trasporto per industria alimentare / Chains for food industry



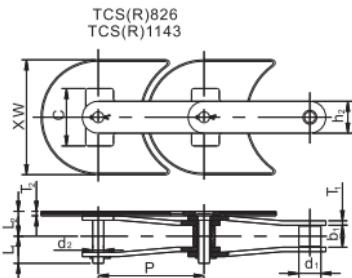
P	B	$B_1$	d	L	$L_1$	$L_2$	M	C	$C_1$	W	N	$h_2$	bearing
101.60	86	112	28.58	130	150	270	24	34	30	45	32	40	6304

Catene da trasporto per materie plastiche / Conveyor Chains Used for Rubber Production

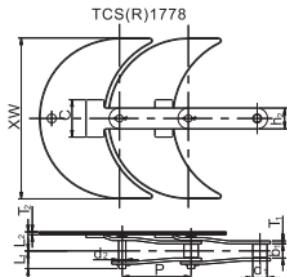


Catena Chain No.	Passo Pitch	Larg.interna Width between inner plates	Diam. Rullo Roller diameter			Altezza piastra Inner plate depth	Diametro Perno Pin diameter	Largh. catena ribassata Pin length	Dimensioni degli attacchi Attachment dimension					
			d <sub>1</sub> min	d <sub>4</sub> max	d <sub>3</sub> max				W	B	D <sub>1</sub>	D <sub>2</sub>	F	h
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
24ARJ	38.10	25.22	22.23	22.23	36.20	36.00	11.10	58.00	141	70	34.50	52	76	18
P60RJ	60.00	21.30	-	33.00	44.30	30.20	9.45	51.00	197	116	25.00	45	90	18

## Catene da trasporto per materie plastiche / Curved Movement top Chains

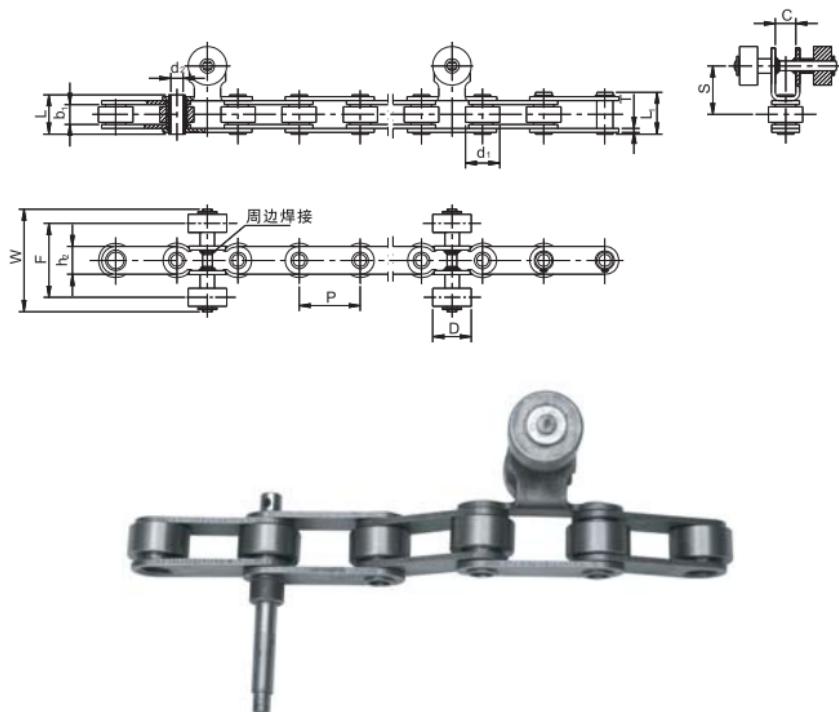


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larg.interna Width between inner plates	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni degli attacchi Attachment dimension				
								P	d <sub>1</sub>	b <sub>1</sub>	h <sub>2</sub>	T <sub>1</sub>
								mm	mm	mm	mm	mm
TCS826 (TCR826)	76.20	15.88 (44.45)	15.80	23.00	3.20	7.94	19.50	3.20	17.90	82.60	41.30	
TCS1143 (TCR1143)	76.20	15.88 (44.45)	15.80	23.00	3.20	7.94	19.50	3.20	17.90	114.30	41.30	



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larg.interna Width between inner plates	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni degli attacchi Attachment dimension				
								P	d <sub>1</sub>	b <sub>1</sub>	h <sub>2</sub>	T <sub>1</sub>
								mm	mm	mm	mm	mm
TCS1778 (TCR1778)	76.20	15.88 (44.45)	15.80	23.00	3.20	7.94	19.50	3.20	21.10	177.80	41.30	

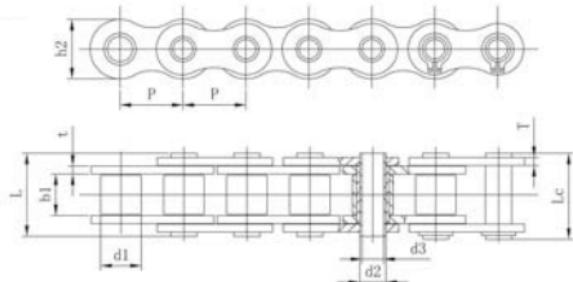
Catene da trasporto a perni forati con rullo folle / Hollow Pin Chains with Double Direction Roller



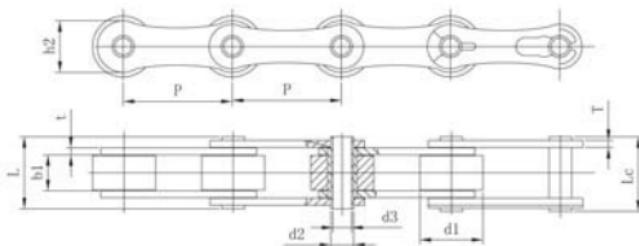
Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Dimensioni perno forato Hollow Pin Dimension			Dimensioni degli attacchi Attachment dimension					Carico di rotura min. Ultimate tensile strength	
					$d_2$ min	$L$ max	$L_1$ max	$C$	$S$	$D$	$F$	$W$ max		
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
50.80	15.80	28.58	23.20	3.26	10.10	32.60	34.30	17.00	40.30	32.00	62.50	85.00	38.50	

## Catene da trasporto a perni forati / Hollow pin Conveyor Chains

A

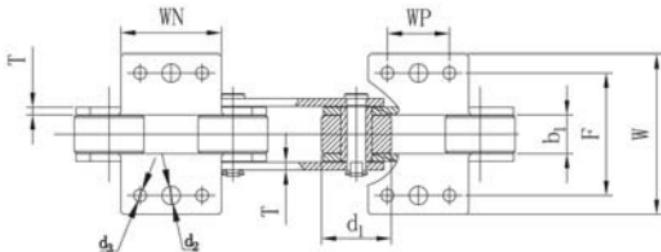
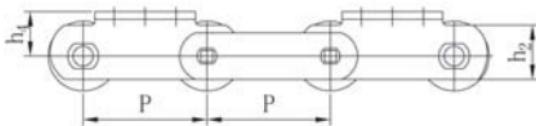


B



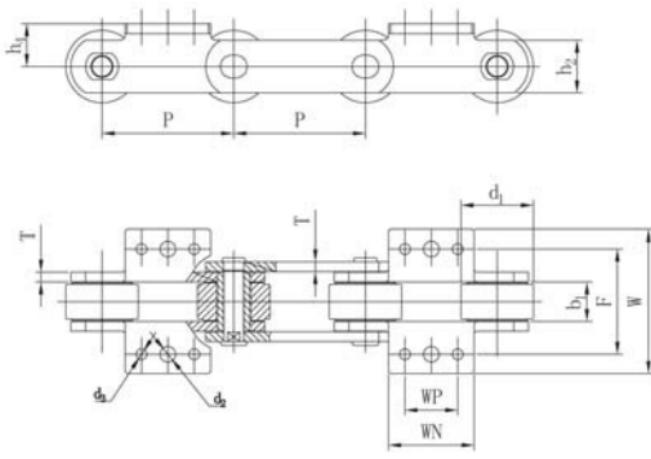
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Tipo Type	
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max	h2 max	t/T	Q min	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	
10HBH	15.875	10.16	9.65	5.94	4.10	19.4	20.5	14.72	1.7	17	A
C2052HB	31.75	19.05	9.53	7.24	5.13	20.6	22.1	14.73	2.0	17.92	A
P40HB	40.0	26.0	10.0	11.4	8.20	27.0	29.0	24.0	3.0	32	A
P50HB	50.0	20.0	14.0	9.0	6.2	28.5	30.3	20.0	2.5	20.42	A
P50.8HBa	50.8	30.0	10.0	11.7	8.10	26.6	27.8	26.0	3.0	60	B
P50.8HBb				11.4	8.20						
P63HB	63.0	30.0	10.0	11.7	8.10	26.6	27.8	26.0	3.0	50	B

Catene da trasporto con attacchi tipo K / Conveyor Chains with K Type Attachment



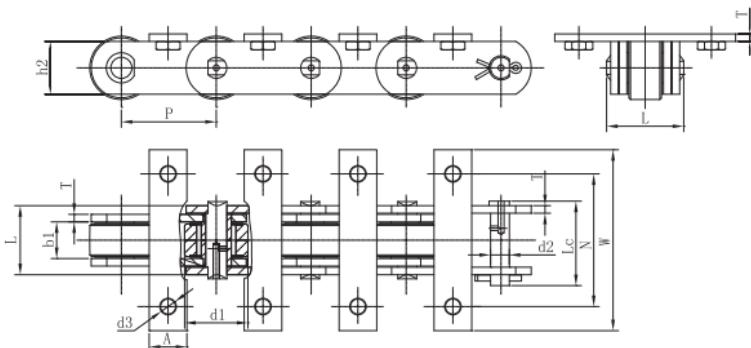
Catena Chain No.	Passo Pitch	Dimensioni Dimension											Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter
		P	d <sub>1</sub> max	b <sub>1</sub> min	h <sub>2</sub>	h <sub>4</sub>	T	d <sub>2</sub>	d <sub>3</sub>	F	W	WN	WP	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/m
	P101.6-2LK-3	101.6	57.15	31.75	44.45	36.5	6.35	15	10.3	101.6	132.6	82.55	50.8	191.3

## Catene da trasporto con attacchi tipo K / Conveyor Chains with K Type Attachment

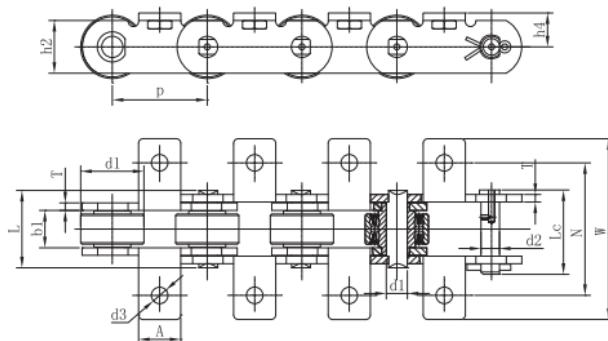


Catena Chain No.	Passo Pitch	Dimensioni Dimensions												Carico di rotura medio Average tensile strength $Q_0$	Peso aprox. Weight per meter $q$ kg/m
		$P$	$d_1$ max	$P_1$ min	$h_2$	$h_4$	$T$	$d_2$	$d_3$	$F$	$W$	$WN$	$WP$		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
P127-2LK-3	127.0	69.85	38.1	50.8	41.28	9.5	15	10.3	101.6	138.9	82.55	50.8	308	21.95	

## Catene da trasporto per il settore cartario / Paper Production Conveyor Chains



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni degli attacchi Attachment dimension					Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	
		$P$	$d_1$ max	$b_1$	$d_2$ max	$L$ max	$L_c$ max	$d_3$	$A$	$W$	$N$			
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
FLP63	63	42	24.3	14	51.35	56	11	25	120	88	35	5	64	kN

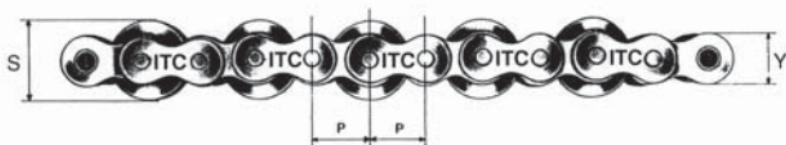


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni degli attacchi Attachment dimension					Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	
		$P$	$d_1$ max	$b_1$ min	$d_2$ max	$L$ max	$L_c$ max	$d_3$	$A$	$W$	$N$			
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
FLP63e	63	42	24.3	14	51.35	56	11	28	120	88	22.5	5	56	kN

## Catene per accumulo / Storage chains

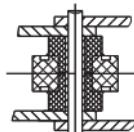
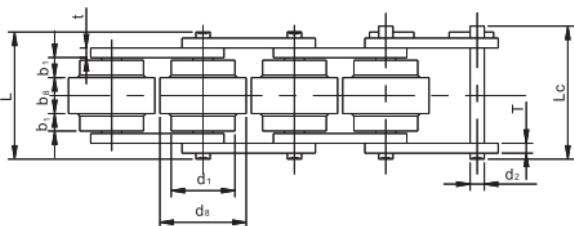
Catene a rulli tripla, con rullo centrale folle

Triple strand chains, with central idle roller

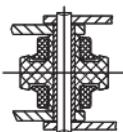
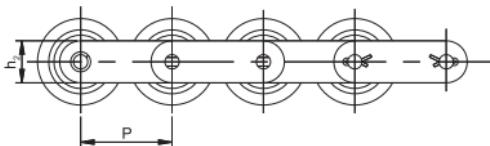


codice Ref.	Passo Pitch mm	Largh. int. Width between inner plates R mm	Diam. rullo Roller diam. Dr mm	Altezza piastra Inner plate depth Y mm	Passo trasvers. transverse pitch Pt mm	Diam. rullo folle Diameter of idle roller F mm	Largh. rullo folle Width of idle roller Lr mm	Interasse verticale Vertical distance between centers S mm	Carico medio di rottura Medium breaking load Kg
ET 6-ACC	9,525	5,72	6,35	8,26	10,24	34	12	9,0	1.900
ET 8-ACC	12,70	7,75	8,51	11,90	13,92	45	17	13,5	3.600
ET 10-ACC	15,875	9,65	10,16	14,73	16,59	54	23	16,3	5.000
ET 12-ACC	19,05	11,68	12,07	17,50	19,46	62	28	18,6	6.000
ET 16-ACC	24,40	17,02	15,88	21,00	31,88	99	35	32,0	13.200
ET 24-ACC	38,10	25,40	25,40	35,80	49,36	152	45	47,0	29.000

## Catene Fly-Roller / Fly-Roller Chains



Tipo 1  
Type 1

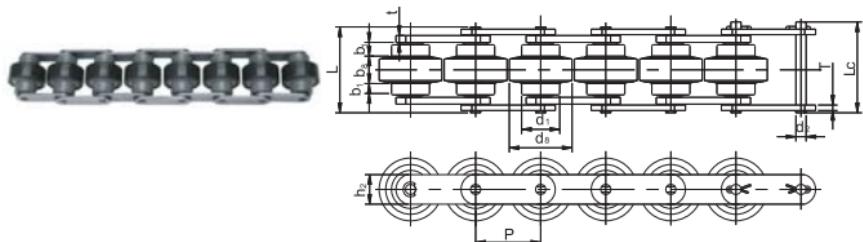


Tipo 2  
Type 2

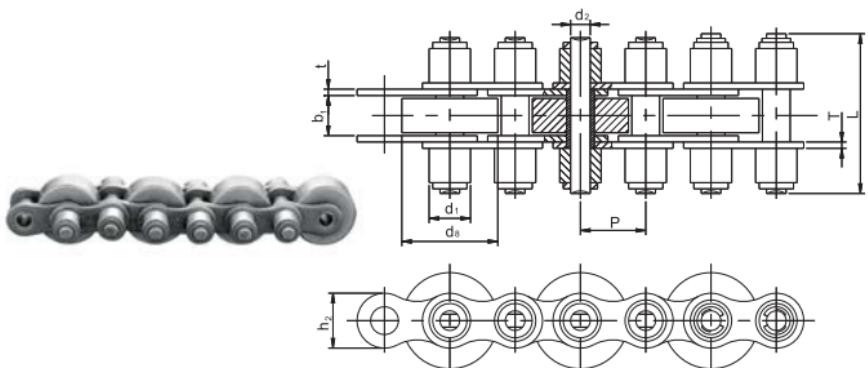


JB Catena JB Chain No.	Passo Pitch	Dimensioni Rullo Roller dimensions				Dimensioni Perno Pin dimensions				Dimensioni piastra Plate dimensions			Peso aprox. Weight per meter kg/m
		P	d <sub>1</sub> max	d <sub>2</sub> max	b <sub>1</sub> max	b <sub>2</sub> max	d <sub>2</sub> max	L max	Lc max	h <sub>2</sub> max	T max	t max	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
BS25-C206B	19.05	11.91	18.30	4.00	8.00	3.28	24.00	25.60	8.20	1.30	1.50	0.52	
BS25-C208A	25.40	15.88	24.60	5.70	10.30	3.96	31.00	32.80	11.70	1.50	1.50	0.79	
BS25-C210A	31.75	19.05	30.60	7.10	13.00	5.08	39.50	41.20	15.00	2.06	2.06	1.36	
BS25-C212A	38.10	22.23	36.60	8.50	15.50	5.94	48.80	50.50	18.00	3.25	3.25	2.19	
BS30-C206B	19.05	9.00	18.30	4.50	9.10	3.28	26.30	29.60	7.28	1.30	1.50	0.50	
BS30-C208A	25.40	11.91	24.60	6.10	12.50	3.96	35.60	39.50	9.60	1.50	2.00	0.83	
BS30-C210A	31.75	14.80	30.60	7.50	15.00	5.08	43.00	47.10	12.20	2.00	2.40	1.27	
BS30-C212A	38.10	18.0	37.00	9.75	20.00	5.94	58.10	62.70	15.00	3.00	4.00	2.14	

## Catene Fly-Roller / Fly-Roller Chains

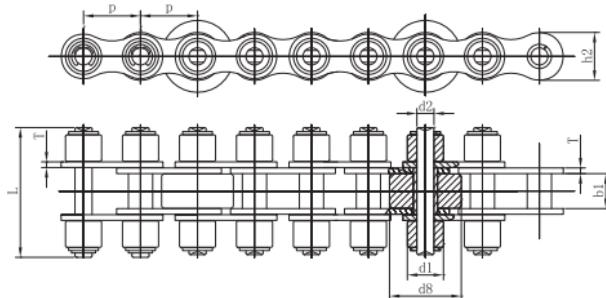


Catena Chain No.	Passo Pitch	Dimensioni Rullo Roller dimensions				Dimensioni Perno Pin dimensions			Dimensioni piastra Plate dimensions			Peso aprox. Weight per meter
		P	$d_1$ max mm	$d_1$ max mm	$b_1$ max mm	$b_1$ max mm	$d_2$ max mm	L max mm	$L_c$ max mm	$h_2$ max mm	T max mm	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
RF2030VRP	19.05	11.91	18.30	4.00	8.00	3.59	24.10	25.30	9.00	1.50	1.50	0.60
RF2040VRP	25.40	15.88	24.60	5.70	10.30	3.97	31.60	32.80	12.00	1.50	2.00	1.00
RF2050VRP	31.75	19.05	30.60	7.10	13.00	5.09	39.10	40.80	15.00	2.00	2.40	1.40
RF2060VRP	38.10	22.23	36.60	7.80	14.40	5.94	50.20	52.90	17.20	3.20	4.00	2.00
RF2080VRP	50.80	28.58	48.00	15.00	20.00	7.92	71.60	74.00	23.00	4.00	4.00	3.90

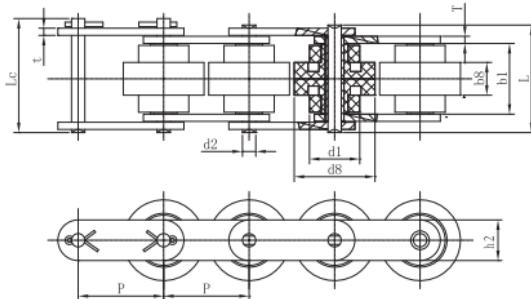


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter			Larghezza interna Width between inner plates	Dimensioni Perno Pin dimensions		Dimensioni piastra Plate dimensions		Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength
		P	$d_1$ max mm	$d_1$ max mm		$d_2$ max mm	L max mm	$h_2$ max mm	T/ $t$ max		
		mm	mm	mm		mm	mm	mm	mm		
08BS	12.70	8.51	16.0	7.75	4.45	27.0	11.81	1.5/1.6	18.0	19.8	
12BS	19.05	12.07	28.0	11.68	5.72	45.4	16.13	1.85	28.9	31.7	
12BS-P26	19.05	12.07	26.0	11.68	5.72	43.0	16.13	1.85	29.0	31.9	

## Catene Fly-Roller / Fly-Roller Chains

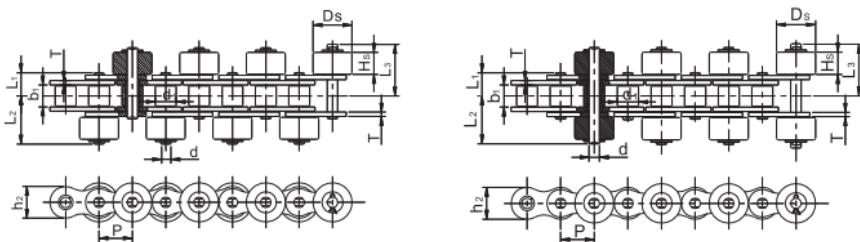


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter		Larghezza interna Width between inner plates	Dimensioni Perno Pin dimensions		Dimensioni piastra Plate dimensions		Carico di rottura min. Ultimate tensile strength
		d <sub>1</sub> max	d <sub>8</sub> max		d <sub>2</sub> max	L max	h <sub>2</sub> max	T max	
		mm	mm		mm	mm	mm	mm	
12BSa	19.05	12.07	27.6	11.68	5.72	44.6	16	1.9	28.9



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter		Larghezza interna Width between inner plates	Dimensioni Perno Pin dimensions			Dimensioni piastra Plate dimensions		Carico di rottura min. Ultimate tensile strength
		d <sub>1</sub> max	d <sub>8</sub> max		d <sub>2</sub> max	L max	L <sub>c</sub> max	h <sub>2</sub> max	T max	
		mm	mm		mm	mm	mm	mm	mm	
BS25-C2060H			36	15	31.5		47.9	50.15		
BS25-C2060Ha	38.1	22.23	36.6	15.6	32.6	5.94	49.2	51.45	18.06	3.2
2060VRP-B			37	15	/		50.2	52.9		43.2

## Catene da trasporto con rullo laterale / Side Roller Conveyor Chains



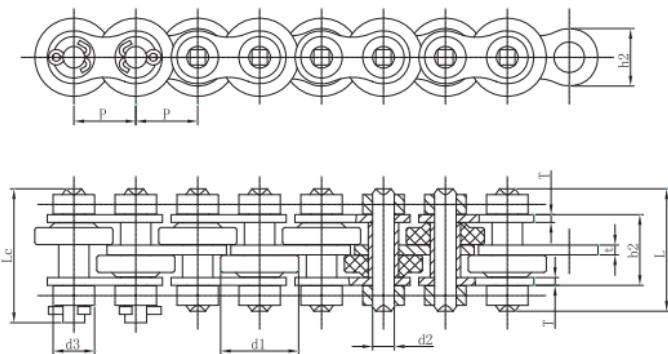
Catena Chain	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Spessore piastre Plate thickness	Altezza piastre Inner plate depth	Dimensioni Perno Pin dimension				Dimensioni rullo esterno Outboard roller dimension						
						P	$d_1$ max	$b_1$ min	T	$h_2$ max	d	$L_1$	$L_2$	$L_3$	$D_s$	$H_s$
						mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
40-SR	12.70	7.95	7.85	1.50	12.07	3.96	8.30	17.70	19.90	15.88	7.80					
50-SR	15.875	10.16	9.43	2.06	15.09	5.08	10.30	21.50	23.50	19.05	9.40					
60-SR	19.05	11.91	12.57	2.44	18.08	5.94	12.95	27.95	30.35	22.23	12.60					
80-SR	25.40	15.88	15.75	3.26	24.13	7.92	16.35	35.05	37.95	28.58	15.80					
100-SR	31.75	19.05	18.90	4.00	30.18	9.53	20.55	42.55	45.65	39.69	19.00					

Su richiesta disponibile rullo esterno in materiale plastico

Available on request: outer roller in plastic material

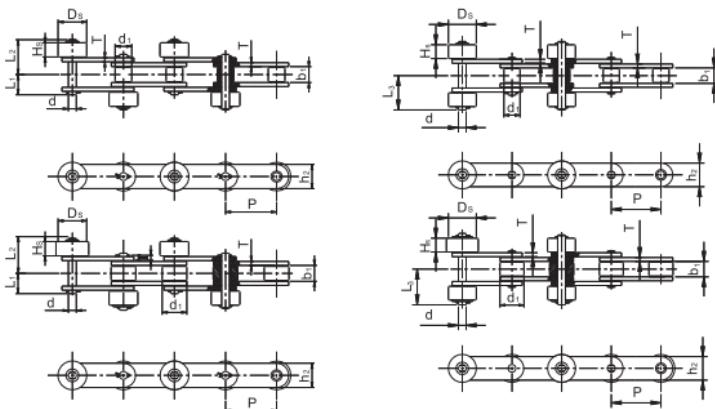


Catene da trasporto con rullo laterale / Side Roller Conveyor Chains



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter		Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Larghezza tra piastre esterne Width between outer plates	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
		d <sub>1</sub> max	d <sub>3</sub> max		d <sub>2</sub> max	L max				
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
06BSa	12.7	16	8.5	4.45	25.1	27.45	14.5	11.8	1.6/2	8.9

## Catene da Trasporto con rullo laterale / Side Roller Conveyor Chains

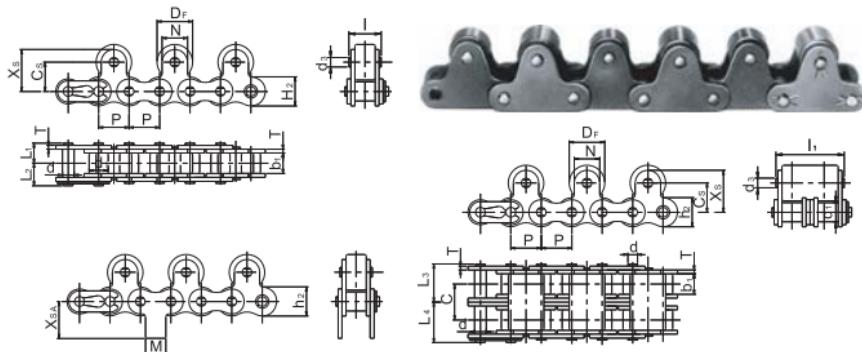


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Spessore piastra Plate thickness	Altezza piastra Inner plate depth	Dimensioni Perno Pin dimension				Dimensioni rullo esterno Outboard roller dimension	
		d <sub>1</sub> max	b <sub>1</sub> min	T	h <sub>2</sub> max	d	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	D <sub>s</sub>	H <sub>s</sub>
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
C2040-SR C2042-SR	25.40	7.95 15.68	7.85	1.50	12.07	3.96	8.30	17.70 23.10	19.90 24.50	15.88 23.00	7.80 13.00
C2050-SR C2052-SR	31.75	10.16 19.05	9.43	2.06	15.09	5.08	10.30	21.50 25.30	23.50 27.00	19.05 27.00	9.40 13.00
C2060-SR C2062-SR	38.10	11.91 22.23	12.57	3.26	18.08	5.94	14.95	29.65 30.05	32.05 32.45	22.23 30.00	12.60 13.00
C2080-SR C2082-SR	50.80	15.68 28.58	15.75	4.00	24.13	7.92	18.30	36.65	39.65	28.58	15.80
C2100-SR C2102-SR	63.50	19.05 39.67	18.90	4.80	30.18	9.53	22.05	44.20	47.30	39.69	19.00
C2060Ha-SR C2062Ha-SR	38.10	22.23	12.57	3.26	18.08	5.94	-	29.65/30.65	33.15/35.45	30.00/22.23	11.60/12.60

Su richiesta disponibile rullo esterno in materiale plastico

Available on request: outer roller in plastic material

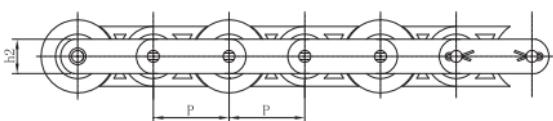
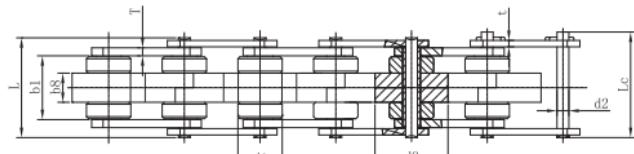
Catene a rulli semplici con rullo superiore folla / Single Strand Roller Chain with Idle Upper Roller



Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Dimensioni Perno Pin dimension						Dimensioni piastra Plate dimension			Passo trasv. Transverse pitch	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength $Q_u$
				P	$b_1$	$d_1$	d	$L_1$	$L_2$	$L_3$	$L_4$	$h_2$	C		
				mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf
40-TR	12.70	7.95	7.94	3.97	8.20	9.25	-	-	12.00	1.50	-	-	1.700	370	
50-TR	15.875	9.53	10.16	5.09	10.30	11.85	-	-	15.00	2.06	-	-	2.800	650	
60-TR	19.05	12.70	11.91	5.96	12.75	14.55	-	-	16.10	2.44	-	-	4.100	900	
80-TR	25.40	15.88	15.88	7.94	16.23	19.82	-	-	24.10	3.26	-	-	7.000	1.500	
100-TR	31.75	19.05	19.05	9.54	19.80	23.60	-	-	30.10	4.00	-	-	11.000	2.300	
40-2-TR	12.70	7.95	7.94	3.97	-	-	15.40	16.45	12.00	1.50	14.40	3.440	630		
50-2-TR	15.875	9.53	10.16	5.09	-	-	19.35	20.90	15.00	2.06	18.10	3.200	650		
60-2-TR	19.05	12.70	11.91	5.96	-	-	24.15	25.95	16.10	2.44	22.80	4.400	900		
80-2-TR	25.40	15.88	15.88	7.94	-	-	30.09	34.50	24.10	3.26	29.30	7.500	1.500		
100-2-TR	31.75	19.05	19.05	9.54	-	-	37.70	41.50	30.10	4.00	35.80	11.500	2.300		

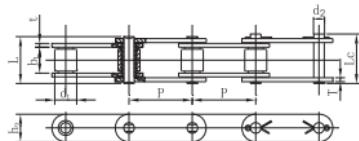
$D_F$	$C_S$	N	$X_S$	Attachment dimensions					$d_3$	Peso aprox. Weight per meter
				$X_{GA}$	M	I	$I_1$	$d_3$		
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/m
15.88	12.70	9.50	17.45	17.40	9.50	13.20	-	4.03	1.30	
19.05	15.90	12.70	22.25	23.05	12.70	16.20	-	5.20	1.90	
22.23	18.30	15.90	26.25	26.85	15.90	20.60	-	6.10	2.90	
28.58	24.60	19.10	34.15	35.45	19.10	25.70	-	8.07	4.80	
36.69	31.80	25.40	44.50	44.00	25.40	31.10	-	9.73	7.90	
15.88	12.70	9.50	17.45	17.40	9.50	-	28.30	3.97	2.60	
19.05	15.90	12.70	22.25	23.05	12.70	-	34.30	5.20	3.80	
22.23	18.30	15.90	26.25	26.85	15.90	-	43.40	6.10	5.80	
28.58	24.60	19.10	34.15	35.45	19.10	-	55.00	8.07	9.60	
36.69	31.80	25.40	44.50	44.00	25.40	-	66.90	9.73	15.80	

## Catene Fly-Roller / Fly-Roller Chains

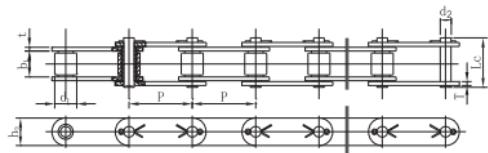


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter			Larghezza interna Width between inner plates	Dimensioni Perno Pin dimensions			Dimensioni piastra Plate dimensions		Carico di rottura min. Ultimate tensile strength
		d <sub>1</sub> max	d <sub>8</sub> max	b <sub>8</sub> max		d <sub>2</sub> max	L max	L <sub>c</sub> max	h <sub>2</sub> max	T max	
	P	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
	C2060VRPd	38,1	22	35,8	14,9	32	5,94	50,2	52,9	18,08	4/3,2

## Catene da trasporto per l'industria del legno / Lumber Conveyor Chains

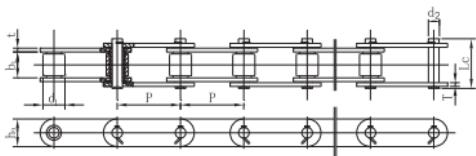


Catena Chain No.	Passo Pitch	Diam. Ruolo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter	
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	L <sub>c</sub> max	h <sub>2</sub> max	t/T	Q min	Q <sub>0</sub>	q kg/m
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
81X	66.27	23.0	26.97	11.10	49.0	51.81	28.90	4.00	106.7	129.0	3.78
81Xa	66.27	23.0	26.97	11.10	48.3	52.4	28.90	4.00	92.9	106.7	3.80
81XH	66.27	23.0	26.97	11.10	60.1	63.4	31.35	7.40/5.65	151.9	175.7	5.88
81XHa	66.27	23.0	26.97	11.10	60.7	65.3	31.35	7.90/5.57	162	186.2	5.88
81XHd	66.27	23.0	26.97	11.10	61.3	64.4	31.35	8.0/5.6	162	186	6.02
81XHH	66.27	23.0	26.97	11.10	66.6	69.3	32.26	8.1/7.9	191.1	212.6	6.70
81XHHa	66.27	23.0	26.97	11.10	65.3	70.72	31.35	7.90	247.3	284.2	6.75

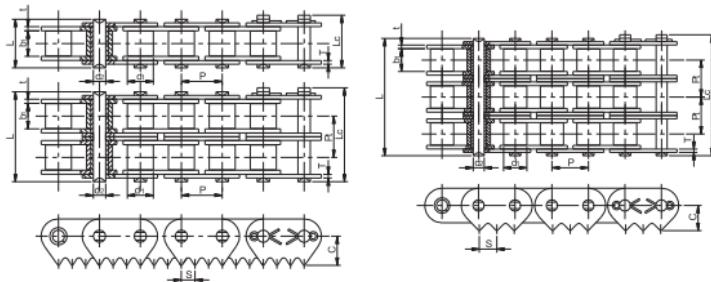


Catena Chain No.	Passo Pitch	Diam. Ruolo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter	
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	L <sub>c</sub> max	h <sub>2</sub> max	t/T	Q min	Q <sub>0</sub>	q kg/m
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
81Xhb	66.27	23.0	26.97	11.10	-	67.6	31.35	7.40/5.65	151.9	175.7	5.88

## Catene da trasporto per l'industria del legno / Lumber Conveyor Chains

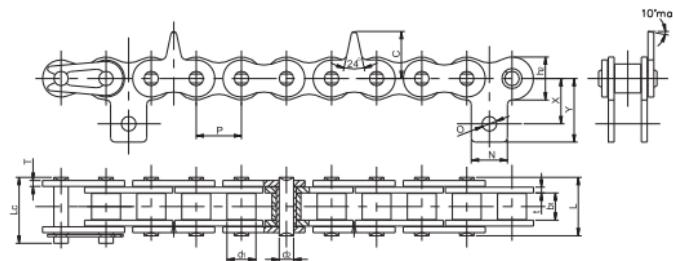


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter	
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max			h <sub>2</sub> max	t/T	Q min	Q <sub>0</sub>
	mm	mm	mm	mm	mm	mm			mm	mm	kN	kg/m
81XHc	66.27	23.0	26.97	11.10	-	65.3	31.35	7.40/5.65	151.9	175.7	5.88	

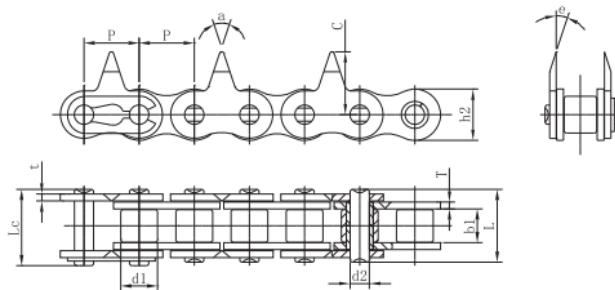
Catene da trasporto con attacchi a punta  
Sharp top Chains

Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Dimensioni degli attacchi Attachment dimension	Dimensioni degli attacchi Attachment dimension	Passo trav. Transverse Pitch	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max	C nom	S nom	Pt	t/T	Q min	Q <sub>0</sub>	q =
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
C12BSTD	19.05	12.07	11.68	5.72	22.5	24.37	13.5	6.31	-	1.9/1.7	28.9	34.4	1.36
C16AJ1-3	25.40	15.88	15.75	7.92	91.7	95.1	17.50	12.20	29.29	3.20	166.8	198.4	9.36
C16AJ2-3	25.40	15.88	15.75	7.92	91.7	95.1	17.50	6.35	29.29	3.20	166.8	198.4	9.58
C20AJ1-2	31.75	19.05	18.90	9.53	76.4	80.5	21.09	23.11	35.76	4.00	173.5	202.9	9.23
C20AJ2-3	31.75	19.05	18.90	9.53	112.2	116.3	21.09	23.11	35.76	4.00	260.2	309.6	13.40
C24BCX	38.10	25.40	25.40	14.63	53.4	60	19.70	12.70	-	5.8/4.8	160.0	190.1	7.71

## Catene da trasporto con attacchi a punta / Sharp top Chains

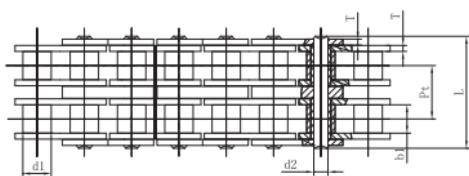
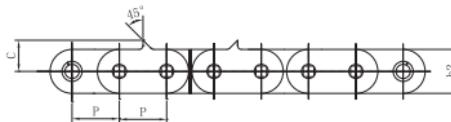


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Dimensioni Dimension					Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	L max mm	Lc max mm	C	X	Y	O	N	h <sub>2</sub> max mm	t/T	Q min kN	q = kg/m
C50	15.875	10.16	9.40	5.08	20.5	23.15	16.51	15.9	22.3	5.2	12.7	15.09	2.06	21.8	1.36

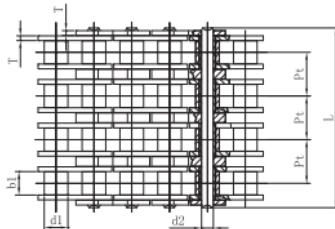
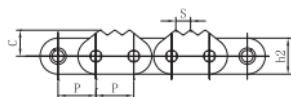


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Dimensioni Dimension			Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	L max mm	Lc max mm	a	C	e	h <sub>2</sub> max mm	t/T	Q min kN
08BSS-2LSTD	12.7	8.51	7.8	4.45	16.95	18.9	37°	14.5	15°	11.8	1.7/1.5	12

## Catene da trasporto con attacchi a punta / Sharp top Chains

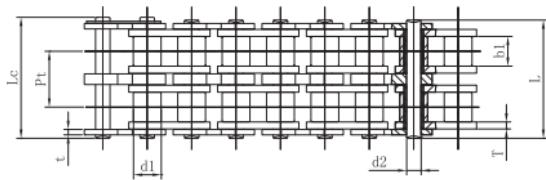
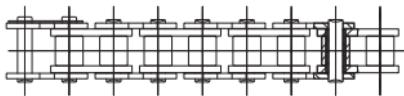
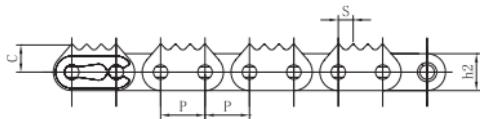


Catena Chain No.	Passo Pitch	Dimensioni Dimension								Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		P	d1 max	b1 min	h2	T	d2 max	Pt	C	L		
		mm	mm	mm	mm	mm	mm	mm	mm	mm		
C100-2-4LSTD	31.75	19.05	18.9	29.62	4	9.54	35.76	20.88	75.01	173,5	9,38	



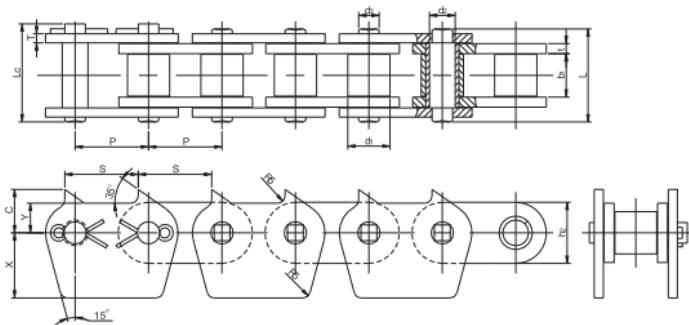
Catena Chain No.	Passo Pitch	Dimensioni Dimension								Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		P	d1 max	b1 min	h2	T	d2 max	Pt	C	L		
		mm	mm	mm	mm	mm	mm	mm	mm	mm		
C80-4-2LSTD	25,4	15,88	15,75	23,97	3,2	7,92	29,29	17,4	120,24	9,85	222,4	12,89

## Catene da trasporto con attacchi a punta / Sharp top Chains

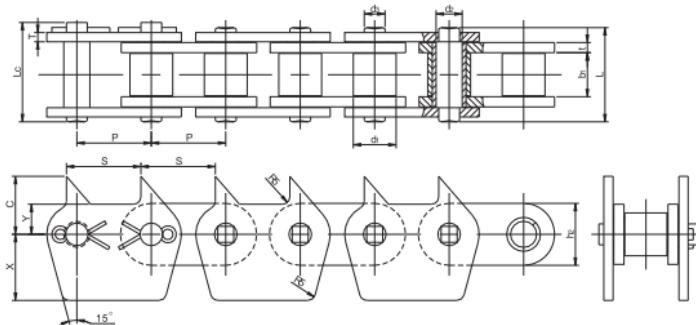


Catena No.	Passo Pitch	Dimensioni Dimensions										Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		P	d1 max	b1 min	h2	t/T	d2 max	Pt	C	L	Lc			
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
C16B-1-2LSTD-4							/		35,65	37,27			3,17	
C16B-2-2LSTD-4	25,4	15,88	17,02	21,08	3,1/4	8,28		16,0		67,55	69,15	8,4	60	7,4

## Catene da trasporto con attacchi a punta / Sharp top Chains

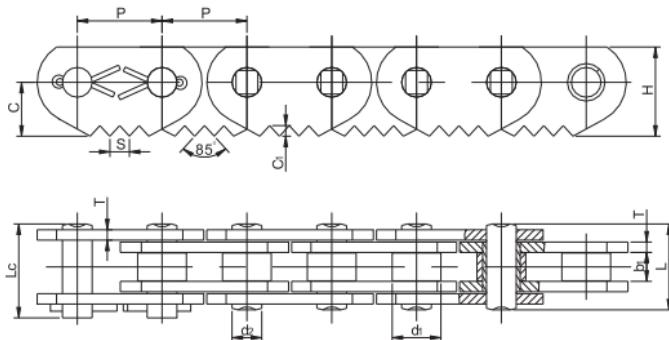


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni Dimension					Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		P	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	L max mm	L <sub>c</sub> max mm	C	X	Y	S				
	P	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	L max mm	L <sub>c</sub> max mm	C	X	Y	S	d <sub>3</sub>	h <sub>2</sub> max mm	t/T	Q min kN	q kg/m
32BJ2a	50.8	29.21	30.99	17.81	64.2	67.7	30	45	20.5	50.8	15.42	42.2	6.96/6.30	280	12.02



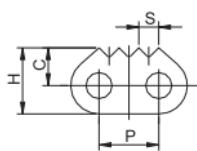
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni Dimension					Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		P	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	L max mm	L <sub>c</sub> max mm	C	X	Y	S				
	P	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	L max mm	L <sub>c</sub> max mm	C	X	Y	S	d <sub>3</sub>	h <sub>2</sub> max mm	t/T	Q min kN	q kg/m
32BJ2b	50.8	29.21	30.99	17.81	64.2	67.7	39.52	45	20.5	50.8	15.42	42.2	6.96/6.30	280	12.03

## Catene da trasporto con attacchi a punta / Sharp top Chains

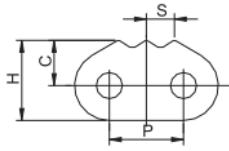


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni Dimension					Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub>	b <sub>1</sub>	d <sub>2</sub>	L	Lc	C	H	C <sub>1</sub>	S	t/T	Q min	q
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
	C32BJ4	50.8	29.21	17.2	17.81	52.2	56.2	32.24	53.34	6.35	11.6	7.0	250.0

C80STD

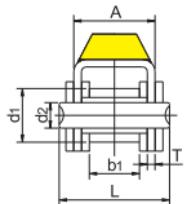
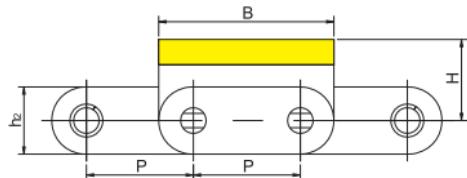


C100STD

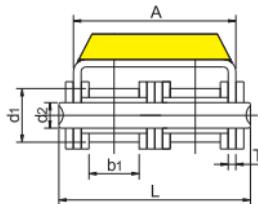


Catena Chain No.	P	C	S	H
	mm	mm	mm	mm
C80STD	25.40	16.05	8.43	28.10
C100STD	31.75	19.20	11.91	34.01

## Catene con cavallotti vulcanizzati / Roller Chains with Vulcanized Elastometer Profiles



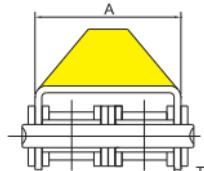
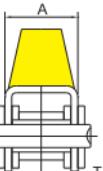
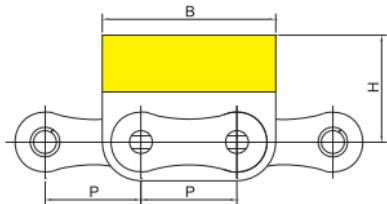
Profilo D1  
With D1 Profile



Profilo D2  
With D2 Profile

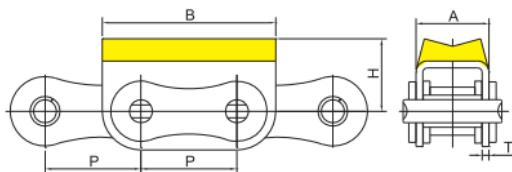
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni Cavallotti Elastometer profiles Dimensions					Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
						L	h 2 max	A	B	H	T	
	P	d1 max	b1 min	d2 max	L max	mm	mm	mm	mm	mm	mm	Q min
C08B-D1	12.70	8.51	7.75	4.45	20.0	11.8	14.6	24.2	12.3	1.60	18.0	1.30
C08B-D2	12.70	8.51	7.75	4.45	34.3	11.8	28.4	24.2	12.3	1.50	32.0	2.29
C10B-D1	15.875	10.16	9.65	5.08	23.2	14.7	16.8	30.0	17.0	1.60	19.0	1.75
C10B-D2	15.875	10.16	9.65	5.08	39.7	14.7	33.3	30.0	17.0	1.50	44.5	2.95
C12B-D1	19.05	12.07	11.68	5.72	25.7	16.0	19.6	36.0	21.0	1.85	29.0	2.15
C16A-D1	25.40	15.88	15.75	7.92	37.2	24.0	27.5	46.0	20.0	2.42	42.0	4.34
C16B-D1	25.40	15.88	17.02	8.28	39.7	21.0	29.05	49.0	21.4	1.60	58.0	4.11
C20B-D1	31.75	19.05	19.56	10.19	48.0	26.4	36.0	57.0	27.0	3.50	85.0	6.65
C24B-D1	38.10	25.40	25.40	14.63	61.6	33.2	47.0	72.6	34.0	4.50	160.0	11.63

Catene con cavallotti vulcanizzati / Roller Chains with Vulcanized Elastometer Profiles

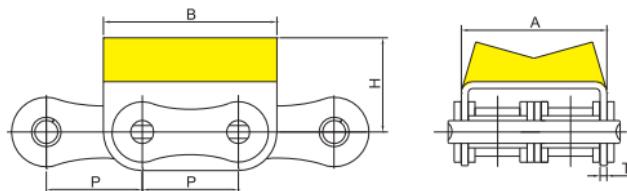


16A-D1F1                  12B-D2F5

Catena Chain No.	P	A	B	H	T
	mm	mm	mm	mm	mm
12B-D2F5	19.05	39.1	36.0	28.0	1.85
16A-D1F1	25.40	27.5	46.0	21.4	2.42

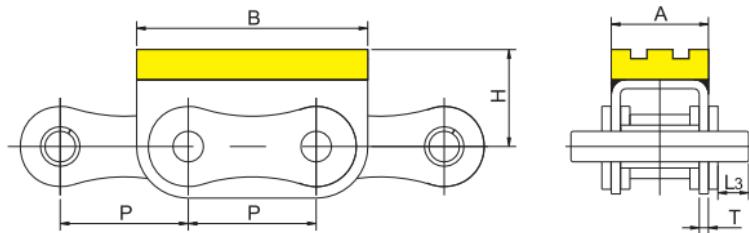


Catena Universal Chain No.	P	A	B	H	T
	mm	mm	mm	mm	mm
12B-D1F1	19.05	19.6	36.0	18.0	1.85

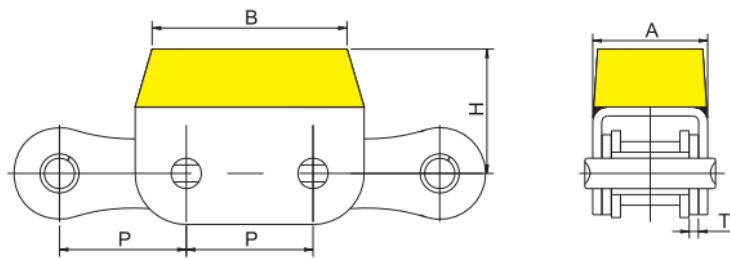


Catena Chain No.	P	A	B	H	T
	mm	mm	mm	mm	mm
12B-D2F4	19.05	39.1	36.0	27.5	1.85

## Catene con cavallotti vulcanizzati / Roller Chains with Vulcanized Elastometer Profiles

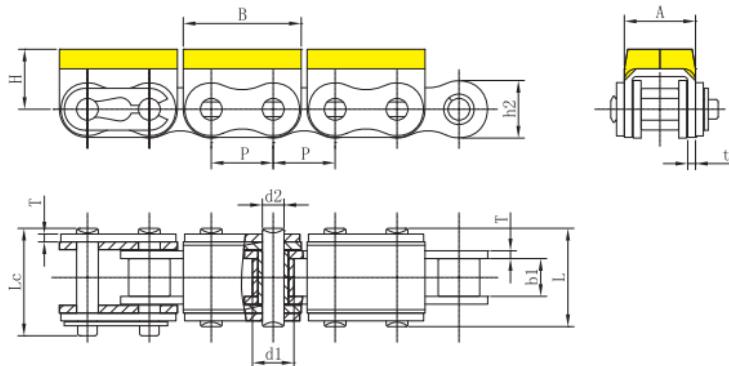


Catena Chain No.	$P$ mm	$A$ mm	$B$ mm	$H$ mm	$T$ mm	$L_3$ mm
16A-D1F3	25.40	27.5	49.0	21.4	2.42	8.25



Catena Chain No.	$P$ mm	$A$ mm	$B$ mm	$H$ mm	$T$ mm
24A-D1F1	38.1	55.5	70	46.5	4.8

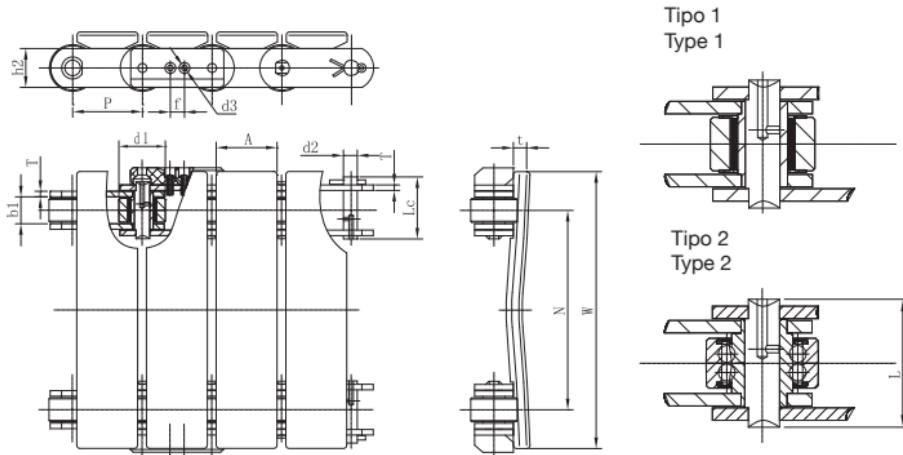
Catene con cavallotti vulcanizzati / Roller Chains with Vulcanized Elastomer Profiles



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Dimensioni degli attacchi Attachment dimension			Aittezza piastra max Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max	A	B	H	h <sub>2</sub> max	T/t	Q min kN
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
06B-G1	12.7	8.51	7.75	4.45	20.15	22.1	14.6	24.2	12.3	11.8	1.6	17.8
12B-G1	19.05	12.07	11.68	5.72	26.0	27.67	19.6	36.0	21.0	16.0	1.9/1.85	28.9



## Catene da trasporto per il settore cartario / Paper Production Conveyor Chains



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni degli attacchi Attachment dimension					Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	
		d <sub>1</sub>	b <sub>1</sub>	d <sub>2</sub>	L	Lc	d <sub>3</sub>	A	W	N	f			
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
FLP63a-4LKG2	63	42	24.3	14	51.35	56	5.2	55	248	180	12.8	35	5/15	64
FLP63b-4LKG2		45												



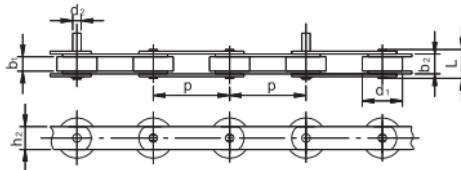


# CATENE PER SCALE MOBILI

## ESCALATOR STEP CHAINS

3

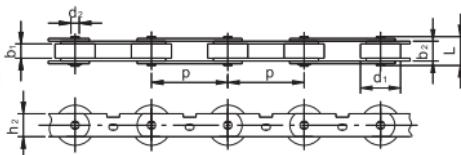




Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Altezza piastra plate depth	Larghezza rullo Outer width of roller link	Diam. interno bussola Inner diameter of bush	Largh. catena ribadita Pin length	Carico di prova Test load	Carico di rotura min. Ultimate tensile strength	Attacco Tipo Attachment Type	Numer gradini per maglia One-step link	Distanza tra i gradini Distance between steps
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	h <sub>2</sub> max	b <sub>2</sub> max	*d <sub>3</sub> min	L max	Q min				
		mm	mm	mm	mm	mm	mm	mm	N	kN			mm
TL133	133.33	70.2	27	14.63	40.5	37.5	14.72	55	9000	180	D	3	400
TL133H	133.33	80	27	24	50	37.5	24.1	56.5	10000	220	D	3	400
TL135	135.47	76.4	22.3	12.8	32	32.6	12.87	49.7	6150	123	D	3	406.4

\* d<sub>3</sub> non indicato

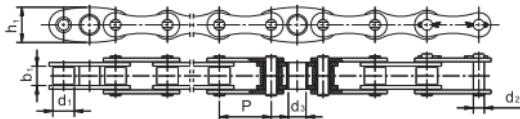
\* d<sub>3</sub> not Shown



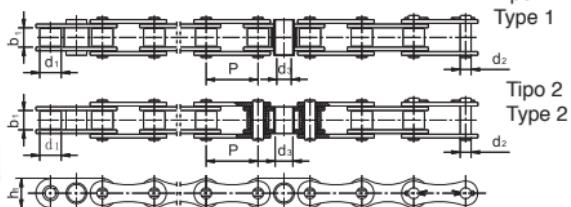
Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Altezza piastra plate depth	Larghezza rullo Outer width of roller link	Diam. interno bussola Inner diameter of bush	Largh. catena ribadita Pin length	Carico di prova Test load	Carico di rotura min. Ultimate tensile strength	Attacco Tipo Attachment Type	
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	h <sub>2</sub> max	b <sub>2</sub> max	*d <sub>3</sub> min	L max	Q min			
		mm	mm	mm	mm	mm	mm	mm	N	kN		
RL133	133.33	70.2	27	14.63	40.5	37.5	14.72	55	9000	180	-	-
RL135	134.5	70.2	27	14.63	40.5	37.5	14.72	55	9000	180	-	-

\* d<sub>3</sub> non indicato

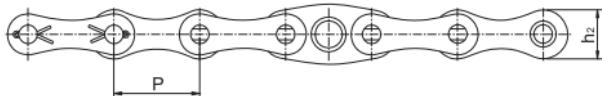
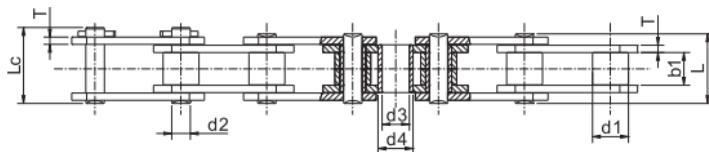
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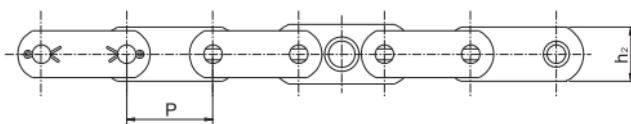
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Altezza piastra Inner plate depth	Diam. interno bussola Inner diameter of bush	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	h <sub>1</sub> max	d <sub>3</sub> min	Q min
	mm	mm	mm	mm	mm	mm	N/kgf
Y899HC	67.733	28	25.215	14.29	46	23	88260/9000
Y899HD	67.733	28	25.215	14.29	46	23	147100/15000
T67	67.733	28	25.4	14.27	46	21	88260/9000
T67G	67.733	28	25.4	14.27	46	21	147100/15000
F-9	67.6	28	25.4	14.29	-	21	88260/9000
F-14	67.6	28	25.4	14.29	-	21	137200/14000
g-9	66.6	25.4	20.6	9.54	-	20	88260/9000



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Altezza piastra Inner plate depth	Diam. interno bussola Inner diameter of bush	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	h <sub>1</sub> max	d <sub>3</sub> min	Q min
	mm	mm	mm	mm	mm	mm	N/kgf
T68	68.40	32.00	20.70	14.29	45.40	23.50	127500/13000
T68A	68.40	28.00	20.70	12.70	44.90	21.00	98000/10000
1-20	81.28	39.69	38.10	19.84	-	24.00	196000/20000
1-28	81.28	39.69	38.10	19.84	-	24.00	274400/28000
g-12.7	81.28	31.75	31.75	12.70	-	20.828	124460/12700



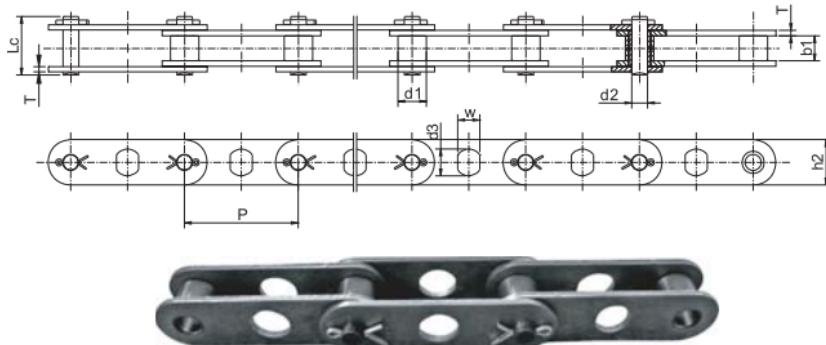
**Tipo 1**  
**Type 1**



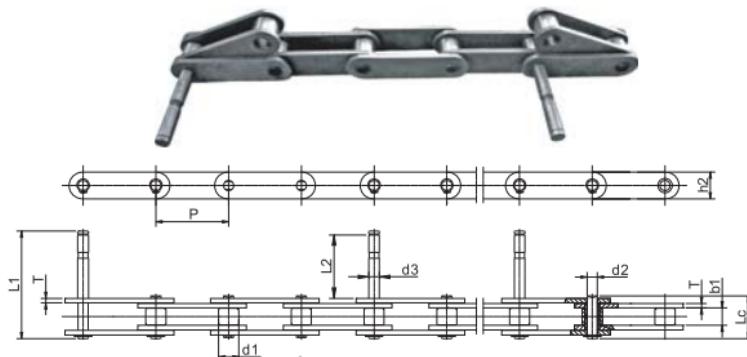
**Tipo 2**  
**Type 2**



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastre plate depth	Spessore piastre Plate thickness	Diam. interno bussola Inner diameter of bush	Larghezza rullo Outer width of roller link	Carico di rottura min. Ultimate tensile strength	Numero gradini per maglia One-step link	Distanza tra i gradini Distance between steps	Tipo Type	
		d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max									
		mm	mm	mm	mm	mm									
		66.667	28	25.4	14.29	51.4	56	38	4.8	21	27	147	6	400	I
T66H		66.667	28	25.4	14.29	54.1	59.1	42.2	5.6	21	27	215.6	6	400	II

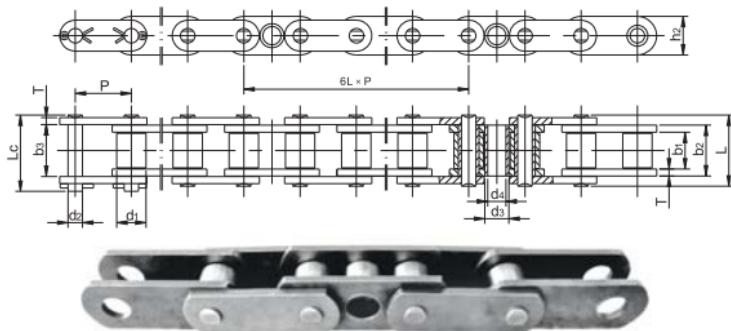


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra plate depth	Spessore piastra Plate thickness	Diametro degli attacchi Attachment diameter	Carico di rottura min. Ultimate tensile strength	
	$P$	$d_1$ max	$b_1$ min	$d_2$ max	$L_c$ max	$h_2$ max	$T$	$d_3$	$w$	$Q$ min
	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
TL101.6	101.6	25.4	22.23	14.29	52.3	40.5	4.75	23.85	23.04	133.28

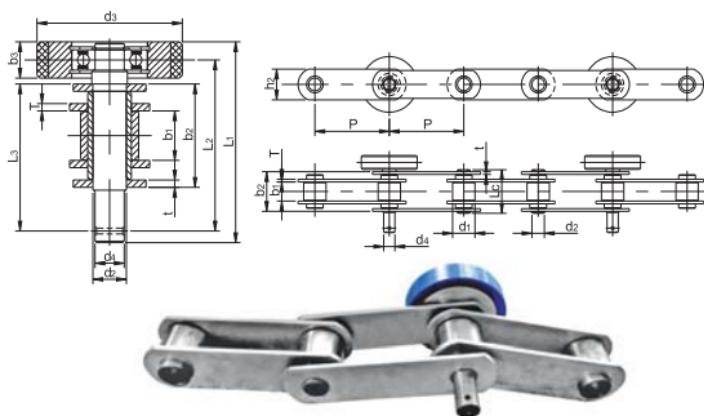


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra plate depth	Spessore piastra Plate thickness	Diametro degli attacchi Attachment diameter			Carico di rottura min. Ultimate tensile strength
	$P$	$d_1$ max	$b_1$ min	$d_2$ max	$L_c$ max	$h_2$ max	$T$	$d_3$	$L_1$	$L_2$	$Q$ min
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
TL101.244	101.244	28	24.2	14.29	58.4	37	6.3	14.94	149.5	88.2	182.28

Catene per carichi con pendenze elevate / Heavy-duty & High Gradient Escalator Step Chains

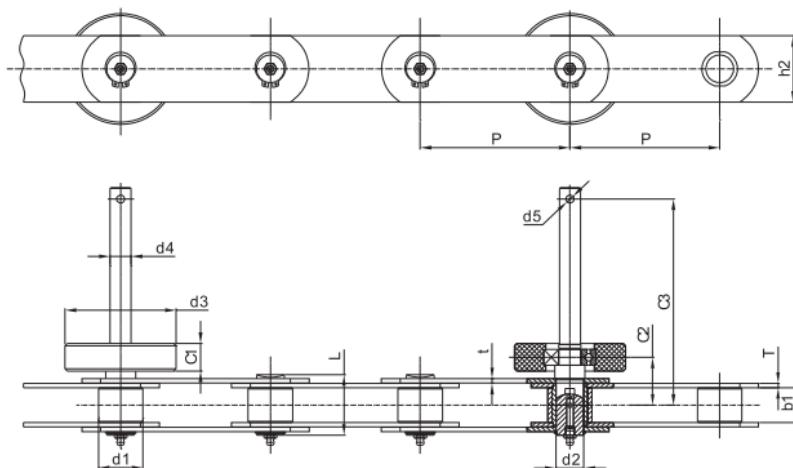


Catena Chain No.	Passo Pitch	Dimensioni Dimension												Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter	
		P	d <sub>1</sub> max	d <sub>2</sub> max	d <sub>3</sub>	d <sub>4</sub>	b <sub>1</sub> min	b <sub>2</sub> max	b <sub>3</sub> min	h <sub>2</sub>	L max	L <sub>c</sub> max	T	Q <sub>s</sub> kN		
TL67.73	67.73	35.4	14.46	29	22	43.3	61.3	62.3	46.4	85.5	91.8	8.5	274.4	13.5		



Catena Chain No.	Passo Pitch	Dimensioni Dimension												Carico di rottura min. Ultimate tensile strength		
		P	d <sub>1</sub> max	d <sub>2</sub> max	d <sub>3</sub>	d <sub>4</sub>	b <sub>1</sub> min	b <sub>2</sub> max	b <sub>3</sub>	h <sub>2</sub> max	L <sub>c</sub> max	T/t	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	Q <sub>s</sub> kN
TL133Hc	133.33	40/45	23	100	20	33.7	71	25	55	78.5	5.0	138	117.5	101	260.0	
TL133Hd	133.33	55	32	100	20	33.3	71	25	75	79	6.0/5.0	138	117.5	101	400.0	

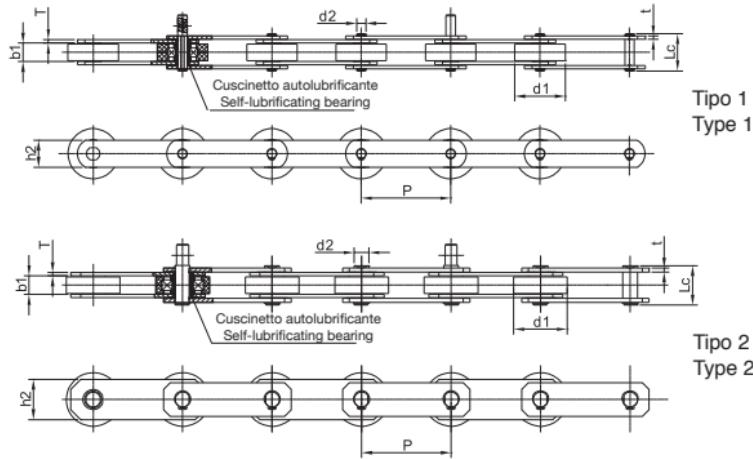
## Catene per carichi con pendenze elevate / Heavy-duty &amp; High Gradient Escalator Step Chains



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribedita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Diametro degli attacchi Attachment diameter						Carico di rottura min. Ultimate tensile strength	Numeri gradini per maglia One-step link	Distanza tra i gradini Distance between steps	
		P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	h <sub>2</sub> max	T/t	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	Q min		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm
TL135Ha	135	54	31.3	40	61.6	75	5	100	19	6.2	25	43	185.6	320	3	405	
TL135Hb	135	40	31.3	26	57.6	60	4.5	100	19	6.2	25	43	185.6	205	3	405	
TL135Hc	135	54	31.3	32.5	60	75	5	100	19	6.2	25	43	185.6	270	3	405	
TL135Hd	135	54	31.3	40.2	65.75	75	7/5.5	100	19	6.2	25	43	185.6	408	3	405	

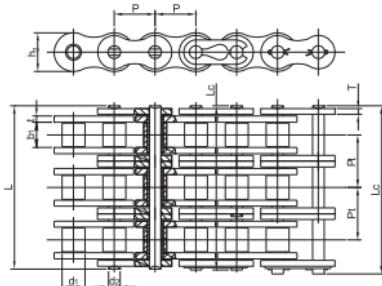
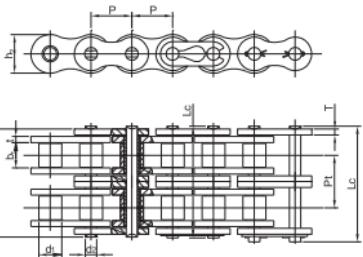


Catene per scale mobili senza manutenzione / No Maintenance Escalator Step Chains



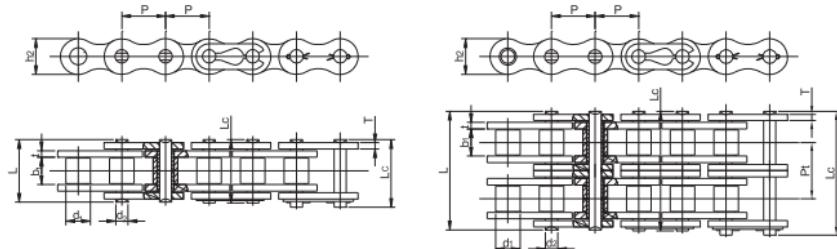
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Larg. catena ribadita Pin length	Atezza piastra plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Numeri gradini per maglia One-step link	Distanza tra i gradini Distance between steps	Tipo Type
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	Lc max	h <sub>2</sub> max	T/l	Q min	kN	mm	
	mm	mm	mm	mm	mm	mm				mm	
TI133c	133.33	75	27	13.85	55.4	40	5	180	3	400	I
TL133Hg	133.33	80	27	22	58.8	60	5/6	230	3	400	II





Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra plate depth	Spessore piastra Plate thickness	Passo traverso, Transverse pitch	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	Lc max						
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
16A-2F	25.4	15.88	15.75	7.92	62.7	67.1	24.13	3.26	29.29	111.2	143.0	5.15
16B-2F	25.4	15.88	17.02	8.28	68.0	73.4	21.08	4.09/3.10	31.88	106.0	126.5	5.42
20A-2F	31.75	19.05	18.90	9.53	76.4	83.1	30.18	4.00	35.76	173.5	215.6	7.80
20B-2F	31.75	19.05	19.58	10.19	79.7	85.8	26.42	4.60/3.60	36.45	170.0	210.0	7.20
20AFT-2	31.75	19.05	18.90	9.53	76.4	80.5	30.10	4.00	35.76	211.68	262.5	8.09
20A-3	31.75	19.05	18.90	9.53	112.2	116.3	30.00	4.00	35.76	265.5	309.6	11.77
20AFT-3	31.75	19.05	18.90	9.53	112.2	116.3	30.10	4.00	35.76	330	395.0	12.1
24A-2	38.10	22.23	25.22	11.10	95.8	99.7	35.70	4.80	45.44	254.00	314.9	11.70
20B-3	31.75	19.05	19.56	10.19	114.2	117.9	26.40	4.60/3.60	36.45	250	290.0	10.82
24B-2	38.10	25.40	25.40	14.63	101.7	106.2	33.20	5.80/4.80	48.36	280.0	319.2	13.40

Catene per scorrimento / Handrail Driving Chains



Catena Chain No.	Passo Pitch	Diam. Rullo	Larghezza interna	Diametro Perno	Largh. catena ribedita		Altezza piastra plate depth	Spessore piastra Plate thickness	Passo transvers. Transverse pitch	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso approx. Weight per meter
		d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	L <sub>c</sub> max						
		mm	mm	mm	mm	mm						
16A-2	25.40	15.88	15.75	7.92	62.7	64.3	24.00	3.25	29.29	113.40	141.8	5.15
16AFT-2	25.40	15.88	15.75	7.92	62.7	65.8	24.00	3.25	29.29	132.3	165.4	5.51
16B-1	25.40	15.88	17.02	8.28	36.1	37.4	21.00	4.15/3.10	/	60.0	72.8	2.71
16B-2	25.40	15.88	17.02	8.28	68.0	69.3	21.00	4.15/3.10	31.88	106.0	133.0	5.42

# CATENE PER TRASPORTATORI RASCHIANTI

**WELDED CHAINS**

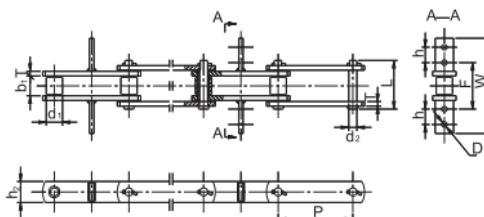
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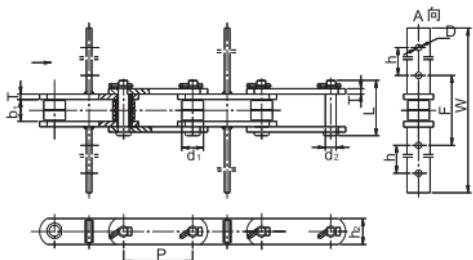
Catene per trasportatori raschianti / *Welded Chains*



## Catene per trasportatori raschianti con pale saldate / Shaving Scraper Sidebar Welded Steel Chains (S Type, T Type) Series

Catene per trasportatori raschianti con pale saldate (tipo S)  
Shaving scraper sidebar welded steel chains (S Type)

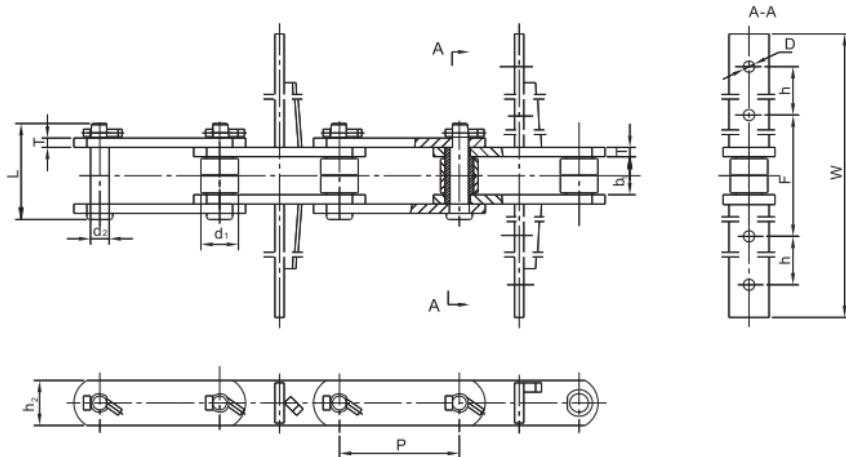
Catena Chain No.	Passo Pitch	Larghezza interna	Diam. Rullo	Altezza piastra	Spessore piastra	Diametro Perno	Largh. catena ribadita	Diametro foro attacco	Quote fori degli attacchi	Larghezza attacchi	Carico di rottura min.	Carico di rottura medio	Peso approx.		
		b <sub>1</sub> min	d <sub>1</sub> max	h <sub>1</sub> max	T	d <sub>2</sub> max	L max	D	F	h	W max	Q min	Q <sub>0</sub>	q kg/m	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m	
HR6608-S-F20								95.60	25	180				6.10	
HR6608-S-F25	66.27	27.00	22.20	28.60	6.30	11.00	65.70	9.50	95.60	50	230	70.60	78.50	6.30	
HR6608-S-F28								95.60	50	260				6.50	
HR10108-S-F15								7.50	63.50	21	130				5.10
HR10108-S-F20	101.60	27.00	22.20	28.60	6.30	11.00	65.70	9.50	95.60	25	180	70.60	78.50	5.30	
HR10108-S-F25									95.60	50	230				5.60
HR10108-S-F28									95.60	50	260				5.80

Catene per trasportatori raschianti con pale saldate (tipo T)  
Shaving scraper sidebar welded steel chains (T Type)

Catena Chain No.	Passo Pitch	Larghezza interna	Diam. Rullo	Altezza piastra	Spessore piastra	Diametro Perno	Largh. catena ribadita	Diametro foro attacco	Quote fori degli attacchi	Larghezza attacchi	Carico di rottura min.	Carico di rottura medio	Peso approx.		
		b <sub>1</sub> min	d <sub>1</sub> max	h <sub>1</sub> max	T	d <sub>2</sub> max	L max	D	F	h	W max	Q min	Q <sub>0</sub>	q kg/m	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m	
HR10113-T-F25								106.70	45	230				10.40	
HR10113-T-F28	101.60	31.60	31.80	38.10	7.90	15.80	81.30	9.50	102.70	50	260	119.10	132.40	10.80	
HR10113-T-F30									134.70	50	280				11.10
HR10113-T-F35									144.70	65	330				11.20

Catene per trasportatori raschianti con pale saldate (Tipo ST) / Shaving Scraper Sidebar Welded Steel Chains (ST Type) Series

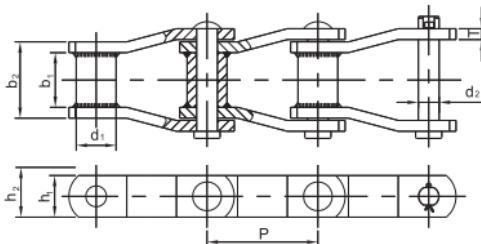
Catene per trasportatori raschianti con pale saldate (tipo ST)  
Shaving scraper sidebar welded steel chains (ST Type)



Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Largh. catena ribadita Attachment hole center length	Diametro foro attacco Attachment hole center diameter	Quote fori degli attacchi Attachment hole center diameter	Larghezza attacchi Attachment width	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter	
	P	$b_1$ min	$d_1$ max	$h_2$ max	T	$d_2$ max	L max	D	F	h	$W$ max	Q min	$Q_0$	q ≈
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
HR10113-ST-F35	101.60	31.60	31.80	38.10	7.90	15.80	81.30	9.50	144.70	65	330			11.90
HR10113-ST-F40									136.70	90	380	119.10	132.40	13.50

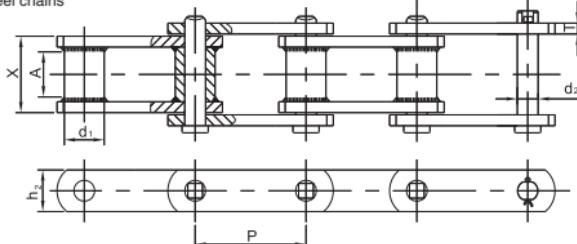
## Catene a maglie false saldate / Offset sidebar welded Steel Chains, Straight Sidebar welded Steel Chains

Catene a maglie false saldate  
Offset sidebar welded steel chains



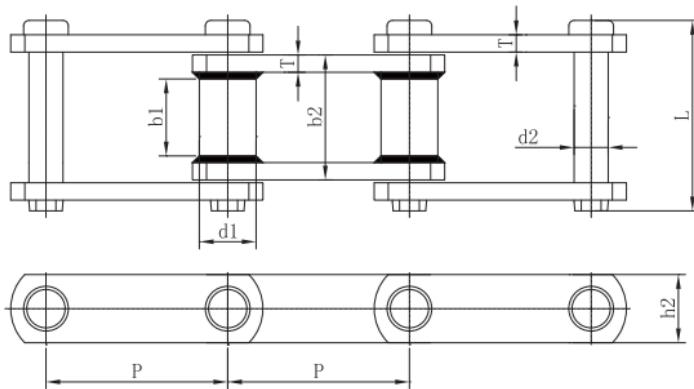
Catena Chain No.	Passo Pitch	Diametro esterno ruolo Outside barrel diameter	Diametro Perno Pin diameter	Altezza primitiva Cateria Chain path depth	Altezza piastre Plate depth	Larghezza approx sul diametro primitivo Apptox.tooth face at pitch line	Larghezza bussola Length of bearing	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max	d <sub>2</sub> max	h <sub>1</sub> min	h <sub>1</sub> max	b <sub>1</sub> min	b <sub>2</sub> max	T max	Q
	mm	mm	mm	mm	mm	mm	mm	mm	kN
W78	66.27	22.90	12.78	30.00	28.40	28.40	51.00	6.40	93.40
W82	78.10	31.50	14.35	33.50	31.80	31.80	57.40	6.40	100.10
W106	152.40	37.10	19.13	39.60	38.10	41.20	71.60	9.70	169.00
W110	152.40	32.00	19.13	39.60	38.10	46.70	76.50	9.70	169.00
W111	120.90	37.10	19.13	39.60	38.10	57.20	85.90	9.70	169.00
W124	101.60	37.10	19.13	39.60	38.10	41.20	71.60	9.70	169.00
W124H	103.20	41.70	22.30	52.30	50.80	41.20	76.50	12.70	275.80
W132	153.67	44.70	25.46	52.30	50.80	76.20	111.80	12.70	275.80
WH150	153.67	44.50	25.40	65.00	63.50	73.00	111.10	12.70	620.00

Catene a piastre diritte saldate  
Straight sidebar welded steel chains



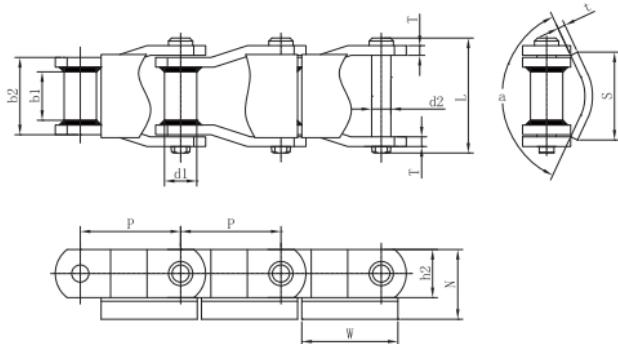
Catena Chain No.	Passo Pitch	Diametro esterno ruolo Outside barrel diameter	Diametro Perno Pin diameter	Larghezza bussola Length of bearing	Largh. approx sul diametro primitivo Apptox.tooth face line	Altezza piastre Plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max	d <sub>2</sub> max	X max	A max	h <sub>2</sub> max	T max	Q
	mm	mm	mm	mm	mm	mm	mm	kN
WRC-78	66.27	22	12.70	50	28	28	6	107
WRC-82	78.10	27	14.29	57	32	32	6	115
WRC-124	101.60	32	19.05	71	43	40	10	225
WRC-132	153.67	45	25.40	110	73	50	12	380

Catene con perno saldato a piastre diritte / Straight Sidebar Welded Steel Chains

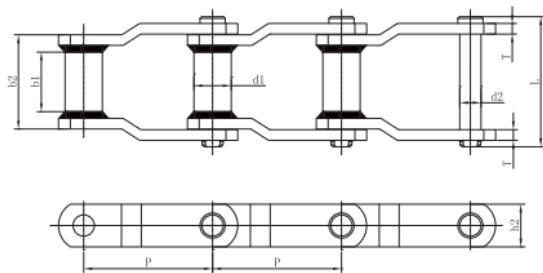


Catena Chain No.	Passo Pitch	Diametro esterno ruolo Outside barrel diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Larghezza tra piastre esterne Width between outer plates	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprov. Weight per meter
	$P$	$d_1$ max	$b_1$ min	$d_2$ max	$L$	$b_2$ max	$h_2$ max	$T$	$Q$ min	$q$ ≈
		mm	mm	mm	mm	mm	mm	mm	kN	kg/m
WRC124-P101.6	101.6	31.75	38.1	19.05	107	69.85	38.1	9.7	224.3	11.87
WHC124-P101.6	101.6	31.75	38.1	19.05	107	69.85	38.1	9.7	255	11.9
WHC132IBR-P153.67	153.67	44.45	69.85	25.4	156	112	50.8	12.7	542	21.16

## Catene a maglie false saldate / Offset Sidebar Welded Steel Chains

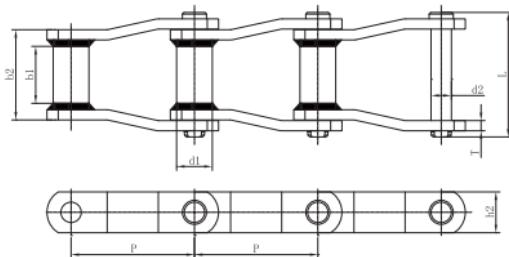


Catena Chain No.	Passo Pitch	Diametro esterno rufo Outside barrel diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Larghezza tra piastre esterne Width between outer plates	Dimensioni degli attacchi Attachment dimension				Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	b <sub>2</sub> max	a	S	W	N	h <sub>2</sub> max	T/t	Q min	q ≈
		mm	mm	mm	mm	mm	/ mm	mm	mm	mm	mm	mm	kN	kg/m
WR78U-P66.27	66.27	21.34	25.4	12.7	75	51	130*	58	63.5	46.03	31.75	6.4/5	133.5	8.73



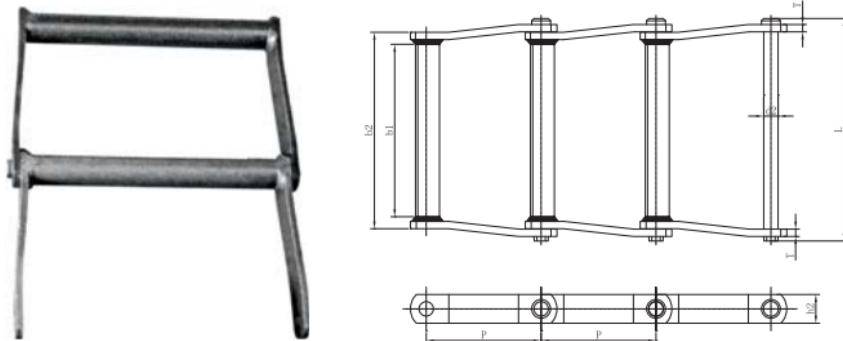
Catena Chain No.	Passo Pitch	Diametro esterno rufo Outside barrel diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Larghezza tra piastre esterne Width between outer plates	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	b <sub>2</sub> max	h <sub>2</sub> max	T	Q min	q ≈
		mm	mm	mm	mm	mm	mm	mm	mm	kg/m
WH150-P153.67	153.67	44.45	76.2	25.4	156	112	63.5	12.7	660	24.87
WR150-P153.67	153.67	44.45	76.2	25.4	156	112	63.5	12.7	542	25.05

## Catene a maglie false saldate / Offset Sidebar Welded Steel Chains



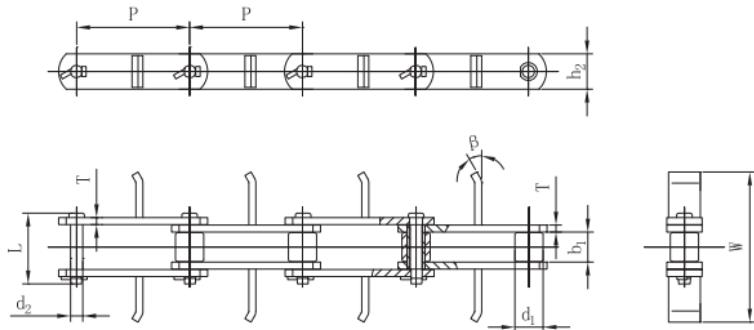
Catena Chain No.	Passo Pitch	Diametro esterno rullo Outside barrel diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Larghezza tra piastre esterne Width between outer plates	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. kg/m
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L	b <sub>2</sub> max	h <sub>2</sub> max	T	Q min	q =
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
WH78-P66.27	66.27	21.34	25,4	12,7	75	51	31,75	6,4	147	6,44
WR78-P66.27	66.27	21.34	25,4	12,7	75	51	31,75	6,4	133,5	6,45
WR78XHD-P66.95	66.95	25,4	25,4	14,29	82	50,8	31,75	9,5	178	9,21
WH82-P78.1	78,1	25,4	28,7	14,29	82,3	57,15	31,75	6,4	160	7,24
WR82-P78.1	78,1	25,4	28,7	14,29	82,3	57,15	31,75	6,4	160	7,27
WH82XHD-P78.1	78,1	31,75	28,7	19,05	96,5	60,5	38,1	9,7	254	12,73
WR82XHD-P78.1	78,1	31,75	28,7	19,05	96,5	60,5	38,1	9,7	224,3	12,76
WH124-P101.6	101,6	31,75	38,1	19,05	107	69,9	38,1	9,7	255	11,91
WH124IBR-P101.6	101,6	31,75	38,1	19,05	107	69,85	38,1	9,7	255	11,91
WR124-P101.6	101,6	31,75	38,1	19,05	107	69,9	38,1	9,7	224,3	11,91
WH124XHD-P103.2	103,2	44,45	38,1	25,4	119,5	76,2	50,8	12,7	542	22,13
WR124XHD-P103.2	103,2	44,45	38,1	25,4	119,5	76,2	50,8	12,7	380,5	22,16
WH111-P120.9	120,9	31,75	57,15	19,05	119,2	86,2	44,45	9,7	268	13,68
WH110-P152.4	152,4	31,75	47,62	19,05	113,35	76,2	38,1	9,7	250	10,12
WH106-P152.4	152,4	31,75	38,1	19,05	107	69,85	38,1	9,7	268	9,87
WR106-P152.4	152,4	31,75	38,1	19,05	107	69,85	38,1	9,7	224,3	9,85
WH132-P153,67	153,67	44,45	69,85	25,4	156	112,3	50,8	12,7	542	21,19
WR132-P153,67	153,67	44,45	69,85	25,4	156	112,3	50,8	12,7	380,5	21,25
WH132XHD-P153,67	153,67	44,45	69,85	25,4	168,86	118,6	50,8	15,88	543	24,73
WR132XHD-P153,67	153,67	44,45	69,85	25,4	168,86	118,6	50,8	15,88	472	24,86
WH132BR-P153,67	153,67	44,45	69,85	25,4	156	112	50,8	12,7	542	21,18

## Catene a maglie false saldate / Offset Sidebar Welded Steel Chains

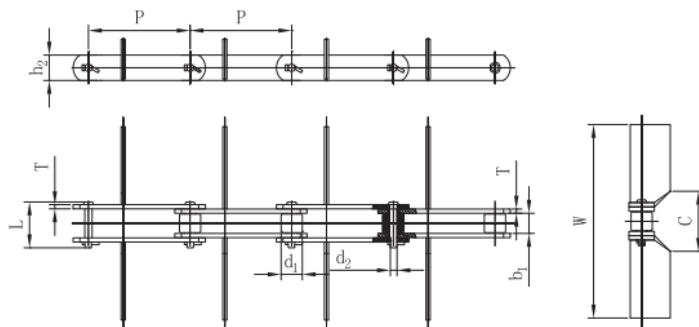


Catena Chain No.	Passo Pitch	Larghezza internal Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Larghezza tra piastre esterne Width between outer plates	Altezza piasta Inner plate depth	Spessore piasta Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
		b <sub>1</sub> min	d <sub>2</sub> max	L max	b <sub>2</sub> max	h <sub>2</sub> max	T	Q min	q =
		mm	mm	mm	mm	mm	mm	kN	kg/m
WDH110-P152.4	152.4	228.6	19.05	296	260.35	38.1	9.7	227	18.05
WDH110-P152.4	152.4	228.6	19.05	296	260.35	38.1	9.7	379	18.05
WDH116-P203.2	203.2	330.2	19.05	395	358.78	44.45	9.53	227	21.82
WDH120-P152.4	152.4	222.25	22.23	301.6	260.35	50.8	12.7	315	32.19
WDH120-P152.4	152.4	222.25	22.23	301.6	260.35	50.8	12.7	379	32.19
WDH480-P203.2	203.2	279.4	22.23	366.9	323.85	50.8	12.7	315	29.52
WDH480-P203.2	203.2	279.4	22.23	366.9	323.85	50.8	12.7	380	29.52
WDRS480-SH-P203.2	203.2	279.4	25.4	368.15	323.85	50.8	12.7	380	30.8
WDRS480XHD-SH -P203.2	203.2	279.4	25.4	380.85	330.2	50.8	15.88	543	33.77
WD480XHD-P203.2	203.2	279.4	25.4	380.85	330.2	50.8	15.88	543	33.77
WD580-P203.2	203.2	/	25.4	368.3	323.85	50.8	12.7	314	30.78
WDH580-P203.2	203.2	/	25.4	368.3	323.85	50.8	12.7	547	30.78

Catene per trasportatori raschianti con pale saldate / Scraper Sidebar Welded Steel Chains

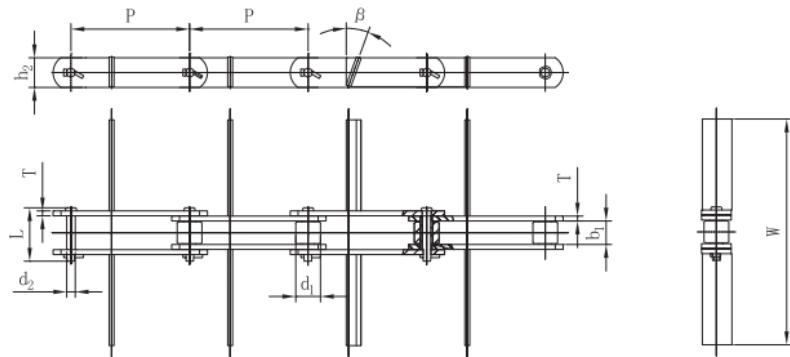


Catena Chain No.	Passo Pitch	Dimensioni Dimension								Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso approx. Weight per meter
		$P$	$d_1$ max	$d_2$ max	$b_1$ min	$W$ max	$h_2$	$L$ max	$T$			
		mm	mm	mm	mm	mm	mm	mm	mm			
HC10110-M	101.6	25.4	11	27	135	31.8	65.7	6.3	30°	127.98	142.2	6.28

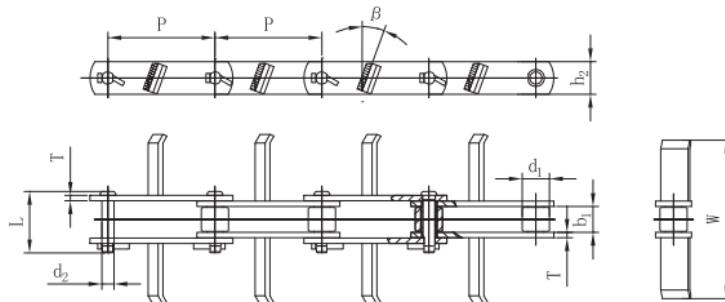


Catena Chain No.	Passo Pitch	Dimensioni Dimension								Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso approx. Weight per meter
		$P$	$d_1$ max	$d_2$ max	$b_1$ min	$W$ max	$h_2$	$L$ max	$T$			
		mm	mm	mm	mm	mm	mm	mm	mm			
HC15211-M	152.4	31.8	11	30.2	290	38.1	68.9	6.3	90	101.3	113	10.23

## Catene per trasportatori raschianti con pale saldate / Scraper Sidebar Welded Steel Chains

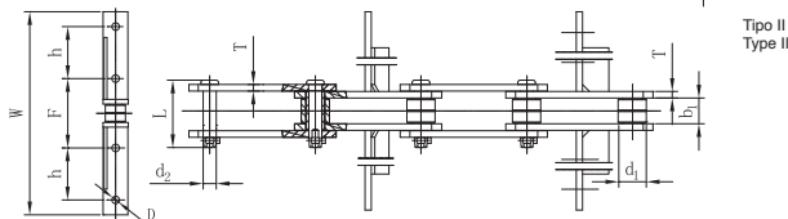
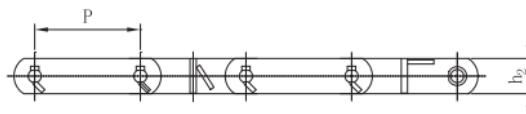
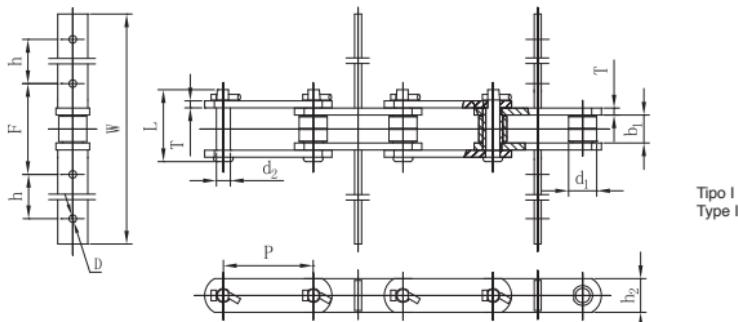


Catena Chain No.	Passo Pitch	Dimensioni Dimension									Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d <sub>1</sub> max	d <sub>2</sub> max	b <sub>1</sub> min	W max	h <sub>2</sub>	L max	T	β			
		mm	mm	mm	mm	mm	mm	mm	mm	/			
HC15211-Ma	152,4	31,8	11	30,2	290	38,1	68,9	6,3	20°	101,3	113	8,89	



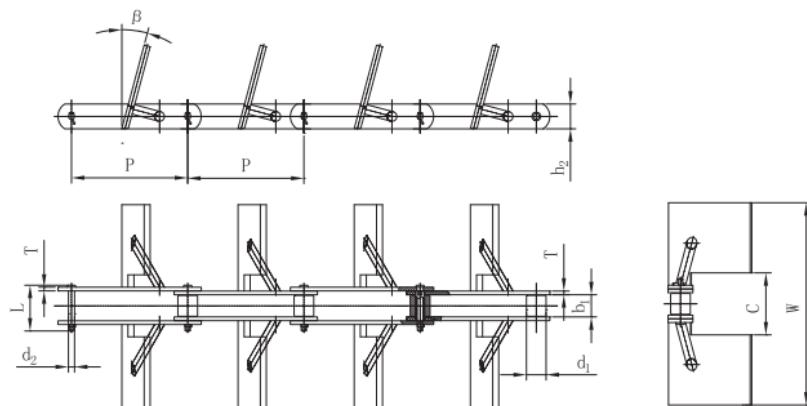
Catena Chain No.	Passo Pitch	Dimensioni Dimension									Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d <sub>1</sub> max	d <sub>2</sub> max	b <sub>1</sub> min	W max	h <sub>2</sub>	L max	T	β			
		mm	mm	mm	mm	mm	mm	mm	mm	/			
HR12511-M	125	31,8	14,21	30	185	38,1	72,2	6,3	20°	203	225,6	8,28	

Catene per trasportatori raschianti con pale saldate / Scraper Sidebar Welded Steel Chains



Catena Chain No.	Passo Pitch	Dimensioni Dimension										Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter	Tipo Type	
		P	d <sub>1</sub> max	d <sub>2</sub> max	b <sub>1</sub> min	W max	h <sub>2</sub>	L max	T	D	h					
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm					
HR15219-S-F35	152.4	40.7	18.9	37.1		330	50.8	97.1	9.5	8.5	65	140	220.6	245.2	15.98	I
HR15219-ST-F43						410					105				18.35	II

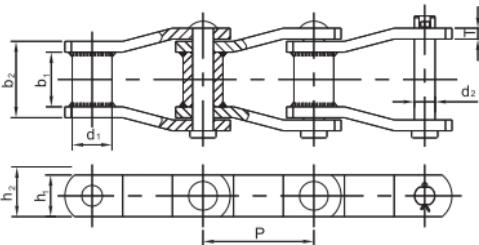
## Catene per trasportatori raschianti con pale saldate / Scraper Sidebar Welded Steel Chains



Catena Chain No.	Passo Pitch	Dimensioni Dimensions										Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter
		P	d <sub>1</sub> max	d <sub>2</sub> max	b <sub>1</sub> min	W max	h <sub>2</sub>	L max	T	β	C			
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			
P300	300	50.8	21	57.2	522	64	117.9	9.5	15°	160	467.82	519.8	49.86	

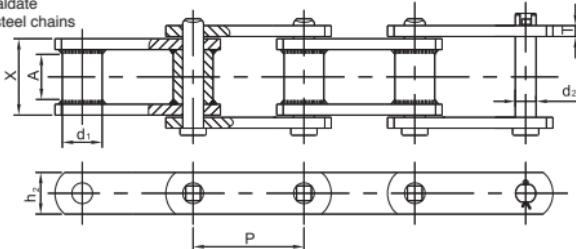
## Catene a maglie false saldate / Offset Sidebar Welded Steel Chain, Straight Sidebar Welded Steel Chains

Catene a maglie false saldate  
Offset sidebar welded steel chains



Catena Chain No.	Passo Pitch	Diametro esterno rullo Outside barrel diameter	Diametro Perno Pin diameter	Altezza primitiva catena Chain path depth	Altezza piastra Plate depth	Larghezza appross sul diametro primitivo Apptox tooth face at pitch line	Larghezza bussola Length of bearing	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max	d <sub>2</sub> max	h <sub>2</sub> min	h <sub>1</sub> max	b <sub>1</sub> min	b <sub>2</sub> max	T max	Q
		mm	mm	mm	mm	mm	mm	mm	kN
W78 ss	66,27	22,90	12,78	30,00	28,40	28,40	51,00	6,40	93,40
W82 ss	78,10	31,50	14,35	33,50	31,80	31,80	57,40	6,40	100,10
W106 ss	152,40	37,10	19,13	39,60	38,10	41,20	71,60	9,70	169,00
W110 ss	152,40	32,00	19,13	39,60	38,10	46,70	76,50	9,70	169,00
W111 ss	120,90	37,10	19,13	39,60	38,10	57,20	85,90	9,70	169,00
W124 ss	101,60	37,10	19,13	39,60	38,10	41,20	71,60	9,70	169,00
W124HSS	103,20	41,70	22,30	52,30	50,80	41,20	76,50	12,70	275,80
W132 ss	153,67	44,70	25,46	52,30	50,80	76,20	111,80	12,70	275,80
WH150 ss	153,67	44,50	25,40	65,00	63,50	73,00	111,10	12,70	620,00

Catene a piastre diritte saldate  
Straight sidebar welded steel chains



Catena Chain No.	Passo Pitch	Diametro esterno rullo Outside barrel diameter	Diametro Perno Pin diameter	Larghezza bussola Length of bearing	Largh. appross sul diametro primitivo Apptox tooth face at pitch line	Altezza piastra Plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
	P	d <sub>1</sub> max	d <sub>2</sub> max	X max	A max	h <sub>2</sub> max	T max	Q
		mm	mm	mm	mm	mm	mm	kN
WRC-78 ss	66,27	22	12,70	50	28	28	6	107
WRC-82 ss	78,10	27	14,29	57	32	32	6	115
WRC-124 ss	101,60	32	19,05	71	43	40	10	225
WRC-132 ss	153,67	45	25,40	110	73	50	12	380

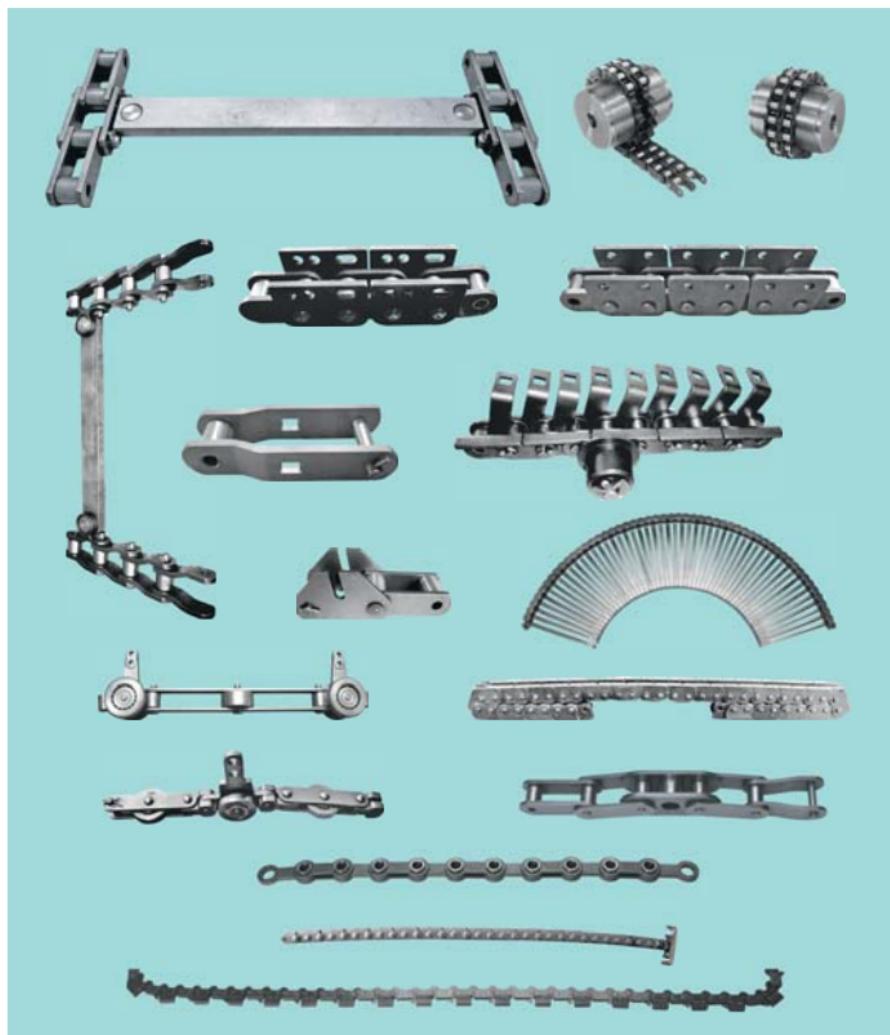
# CATENE SPECIALI - CATENE SILENZIOSE

## SPECIAL CHAINS - SILENT CHAINS

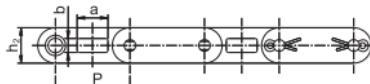
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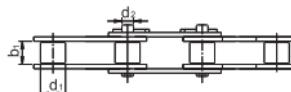
## Catene speciali / Special Chains



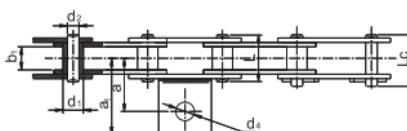
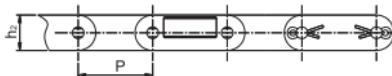
## Catene per macchine asfaltatrici / Paver Machine Chains



Passo Pitch	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastre Plate depth	Spostore piastre Plate thickness	Dimensione piastra interna Inner plate dimension		Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
P mm	b1 mm	d1 mm	L mm	h2 mm	T mm	a mm	b mm	Q kN	q kg/m
75	32	14.27	54.20	36	5.60	34	14	100	7.18

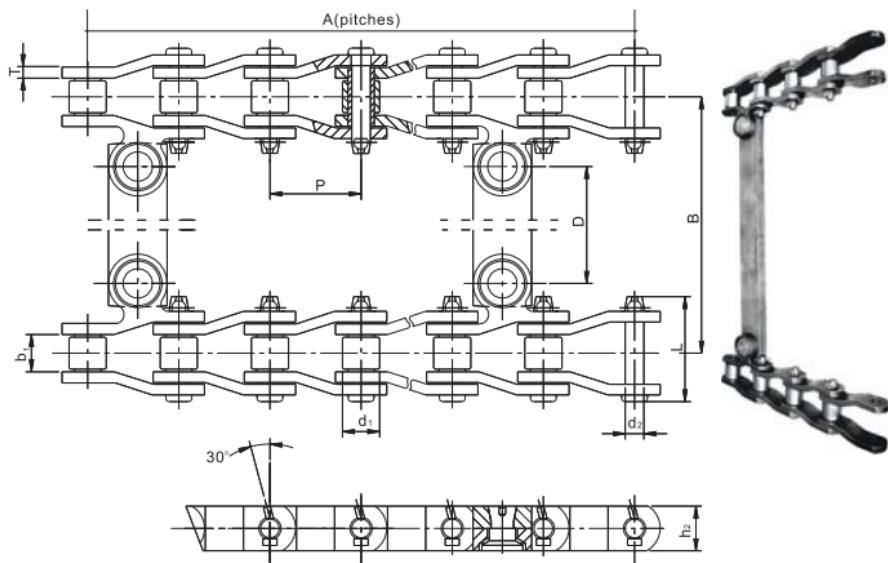


Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Altezza primitiva Catena Chain path depth	Altezza piastre Plate depth	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P mm	d1 max	b1 min	d2 max	h1 min	h2 max	Q kN	q kg/m
	A 5188	66,27	28,58	23,80	12,60	29,50	28,80	133,50
SGR188	66,27	22,23	26,50	11,10	29,50	28,80	143,00	6,83
C 1594	69,85	31,75	25,60	14,27	36,30	32,50	106,73	9,27



Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Altezza piastre Plate depth	Dimensioni Perno Pin dimensions				Dimensioni Elemento raschiante Scraper dimensions			Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
				L	Lc	d2	a	a1	d4	Q kN	q kg/m	
P mm	b1 min	d1 mm	h2 mm	L mm	Lc mm	d2 mm	a mm	a1 mm	d4 mm	Q kN	q kg/m	
80	35,80	26	45	72	77	15,90	56,90	81,90	20	190	9	

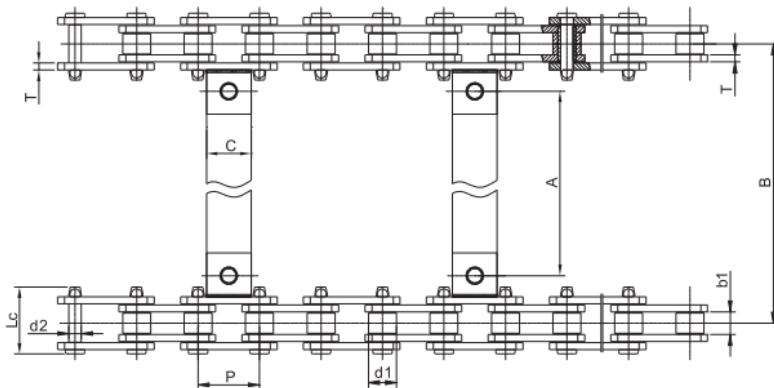
## Catene per macchine asfaltatrici / Paver Machine Chains



Catena Chain	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	h <sub>2</sub> max	T	Q min	Q <sub>0</sub>
	mm	mm	mm	mm	mm	mm	mm	kN	kN
SS40SL	78.11	31.75	31.75	15.90	89.65	38.00	9.50	265.60	300.00

Catena	A	D	B	Catena	A	D	B
SS40SL-141-00	113	424.66	542.93	SS40SL-152-00	100	278,61	396.88
SS40SL -142-00	98			SS40SL -153-00	103	381.79	500.06
SS40SL -143-00	103			SS40SL -154-00	89	424.66	542.93
SS40SL-144-00	88	381.79	500.06	SS40SL -155-00	104	278.61	396.88
SS40SL -145-00	116	570.71	688.98	SS40SL -156-00	102	424.66	542.93
SS40SL -146-00	111	470.69	588.96	SS40SL -157-00	111	381.79	500.06
SS40SL -147-00	96			SS40SL -158-00	108		
SS40SL -148-00	86			SS40SL -159-00	108	468.31	586.56
SS40SL -149-00	81	424.66	542.93	SS40SL -160-00	116		
SS40SL -150-00	97			SS40SL -175-00	107	381.79	500.06
SS40SL -151-00	87			SS40SL -176-00	100	424.66	542.93

## Catene per macchine asfaltatrici / Paver Machine Chains



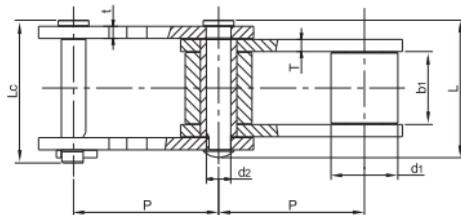
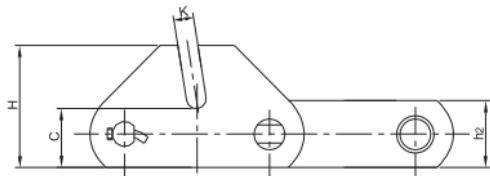
Cod. Attacco ATT.No.	A	B	C
	mm	mm	mm
RP150	375	483	50.8
RP190	477	585	50.8



Catena N°  Chain No.	Passo Pitch	Diam. Ruolo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Q min
	P	d, max	b, min	d, max	l <sub>c</sub> max	h <sub>c</sub> max	T	KN
	mm	mm	mm	mm	mm	mm	mm	
MSR1594	69.85	31.75	25.6	14.22	76.8	31.75	7.9	106.73

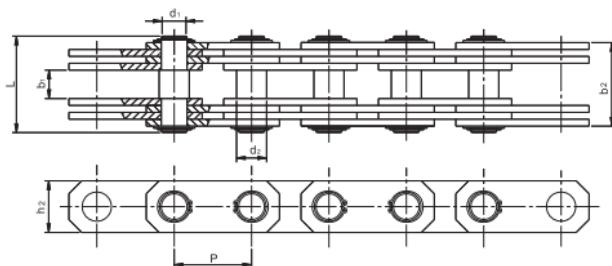


## Catene da trasporto per bitumazione / Conveyor Chains For Asphalt Production



Catena Chain No	Passo Pitch	Diam. Ruolo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre e attacchi						Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
						h2 max	H	C	K	t/T	Q min		
	P	d1 max	b1 min	d2 max	L max	Lc max	mm	mm	mm	mm	mm	KN	Kg/m
MSR2856-M16	152.4	69.85	76.2	25.4	149.1	149.1	69.85	127.0	61.47	20.62	12.70	622.8	39.5

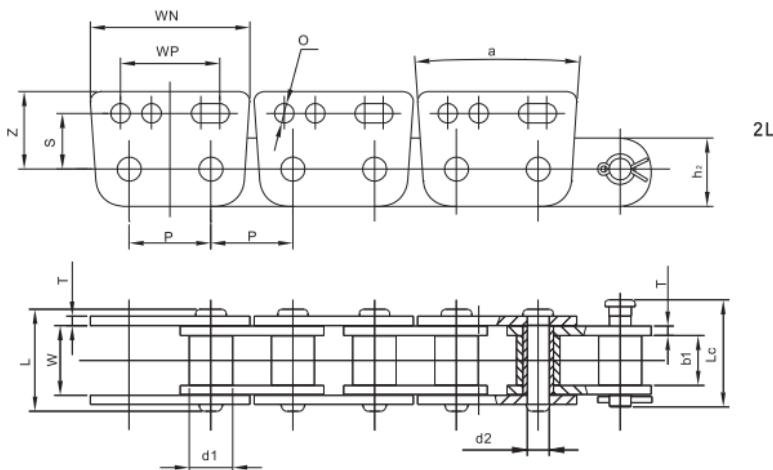
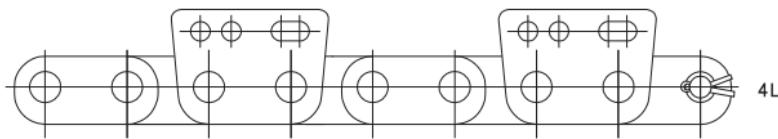
## Catene per trafilettori / Draw Bench Chains



Catena Chain No.	Passo Pitch	Altezza piastra Plate depth	Distanza tra le piastre interne Inner distance	Distanza tra le piastre esterne Outer distance	Largh. catena ribadita Pin length	Diametro Perno Pin diameter	
	P	$h_2$	$b_1$	$b_2$	L	$d_1$	$d_2$
	mm	mm	mm	mm	mm	mm	mm
LB40	200	130,2	85	235	256	65	75
LB65	250	150,2	100	278	304	75	84

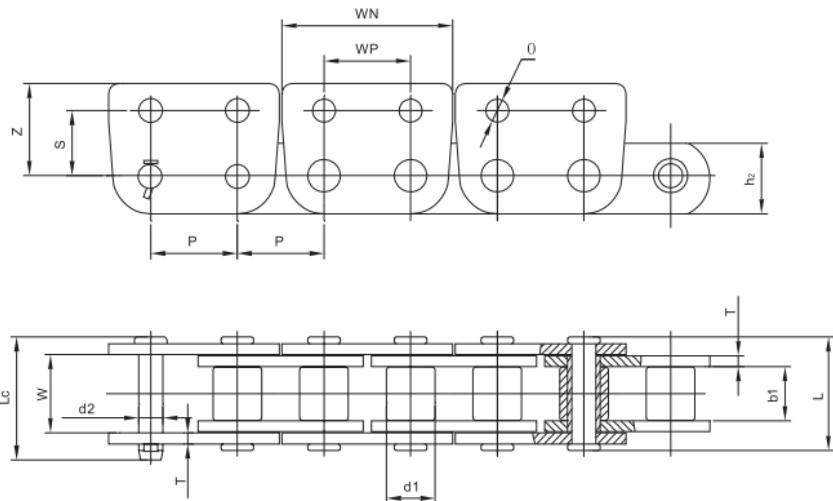


## Catene trasporto per scavatori / Trencher Chains



Catena Chain No.	Passo Pitch	Dimensioni Dimensions														Carico di rottura medio Average tensile strength $Q_0$	Peso aprox. Weight per meter $q$
		$d_1$ max	$d_2$ max	$b_1$ min	W min	$h_2$ max	L max	$L_c$ max	T	O	WN	WP	a	S	Z		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	/	mm	mm		
4210-2LSK-3	42.01	22.23	11.11	25.4	35.5	34.9	53.3	54.9	4.8	10	81.66	50.8	8"	28.6	39.7	115.2	7.85
4210-4LSK-3							52.6										7.10

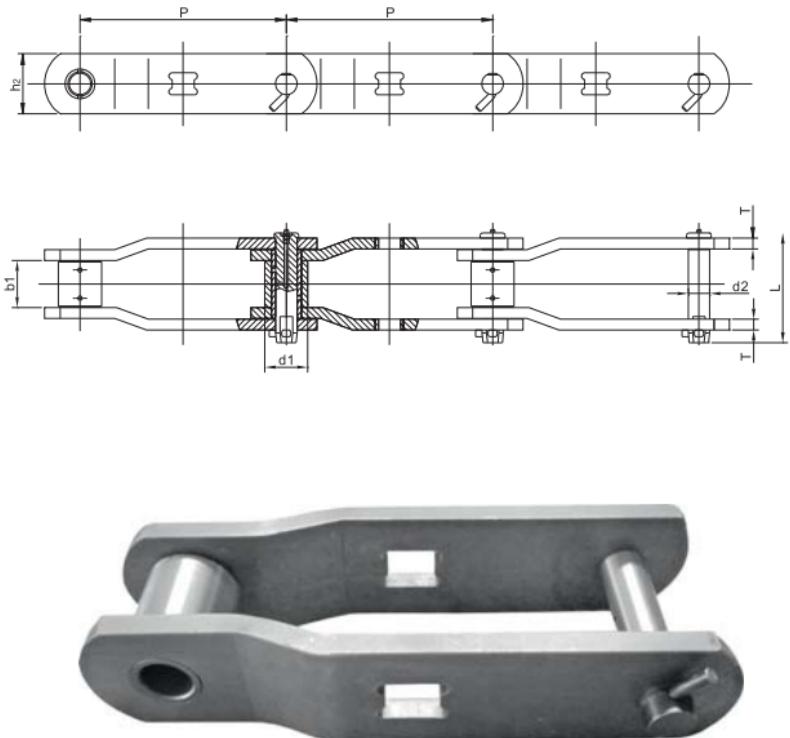
## Catene trasporto per scavatori / Trencher Chains



Catena Chain No.	Passo Pitch	Dimensioni Dimensions													Carico di rottura medio Average tensile strength $Q_0$	Peso aprox. Weight per meter $q \approx$							
		P mm	d <sub>1</sub> max mm		d <sub>2</sub> max mm		b <sub>1</sub> min mm		W min mm		h <sub>2</sub> max mm		L max mm		L <sub>c</sub> max mm		T mm	O mm	WN mm	WP mm	S mm	Z mm	
			d <sub>1</sub> max mm	d <sub>2</sub> max mm	b <sub>1</sub> min mm	W min mm	h <sub>2</sub> max mm	L max mm	L <sub>c</sub> max mm	T mm	O mm	WN mm	WP mm	S mm	Z mm								
5019-2L-WSK		50.8	28.58	14.12	31.75	46.02	41.28	68.0	73.0	6.35	13.5	99.96	50.8	38.1	54.0	191.3	13.99						

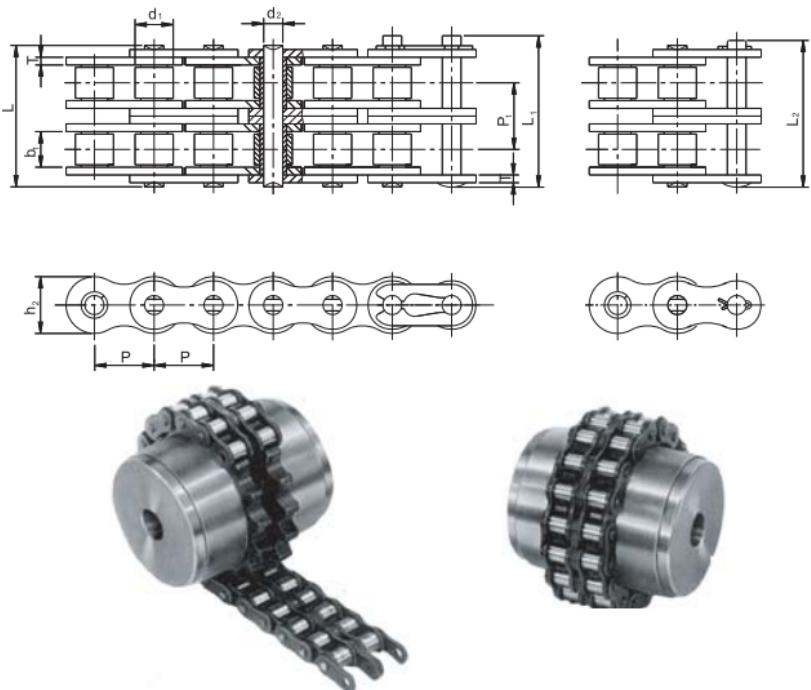


Catene a maglie false tipo 2614m14 / 2614M14 Type Cranked-link Chains



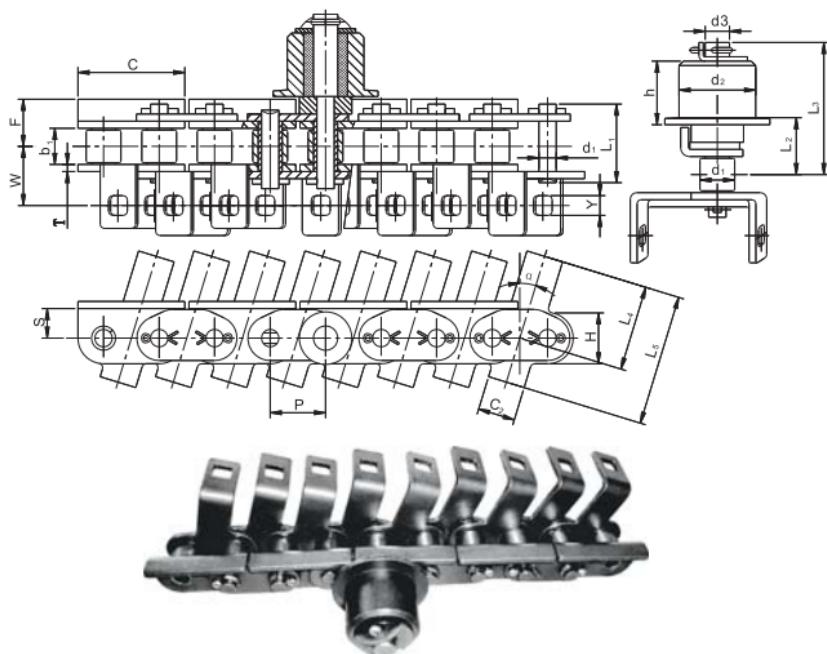
Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diametro Ruolo Roller diameter	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Altezza piastra Inner plate depth	Spessore piastre Plate thickness	Carico di rotura min. Ultimate tensile strength
	P	$b_1$ min	$d_1$ max	$d_2$ max	L max	$h_2$	T	Q min
	mm	mm	mm	mm	mm	mm	mm	KN
2614M14	304.8	69.85	63.5	31.75	161.9	88.9	15.88	900

## Giunti a catena / Coupling Chains



Catena Chain No.	Passo Pitch	Diametro Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length			Altezza piastra Inner plate depth	Passo trasvers. Transverse pitch	Spessore piastra Plate thickness	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter		
	P	d <sub>1</sub> max	d <sub>1</sub> min	d <sub>2</sub> max	L max	L <sub>1</sub> max	L <sub>2</sub> max								
	mm	mm	mm	mm	mm	mm	mm								
4012														0.16	
4014	12.700	7.95	7.85	3.96	31.00	32.60	-	12.07	14.38	1.50	27.60	35.60		0.19	
4016															0.21
5014															0.45
5016	15.875	10.16	9.40	5.08	38.90	40.30	-	15.09	18.11	2.06	43.60	56.00		0.52	
5018															0.59
6018															1.00
6020	19.050	11.91	12.57	5.94	48.60	-	52.50	18.08	22.78	2.44	62.30	82.40		1.11	
6022															1.22
8018															2.35
8020	25.400	15.88	15.75	7.92	62.70	-	67.10	24.13	29.29	3.26	111.20	143.00		2.62	
8022															2.89
10020	31.750	19.05	18.90	9.53	76.40	-	80.50	30.18	35.76	4.00	173.50	204.00		5.28	
10022															5.81
12018	38.100	22.23	25.22	11.10	96.30	-	101.60	36.20	45.44	4.80	249.10	313.80		8.14	

Catene per macchine da stampa / Chains used for printers

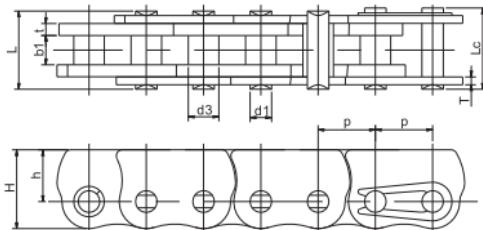


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Spessore piastra Plate thickness	Diam. Perno Pin diameter	Larg. catena ribadita Pin length	Dimensioni attacco laterale Side Roller attachment dimensions				
	P	d <sub>1</sub> max	b <sub>1</sub> min	T	d <sub>1</sub> max	L <sub>1</sub> max	d <sub>2</sub> max	h	d <sub>3</sub> max	L <sub>2</sub> max	L <sub>3</sub> max
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
PR80-1LUA-1 -2LIA-0-8LSR	25.40	15.88	15.75	3.26	7.92	35.85	35.00	29.00	11.30	25.70	60.30

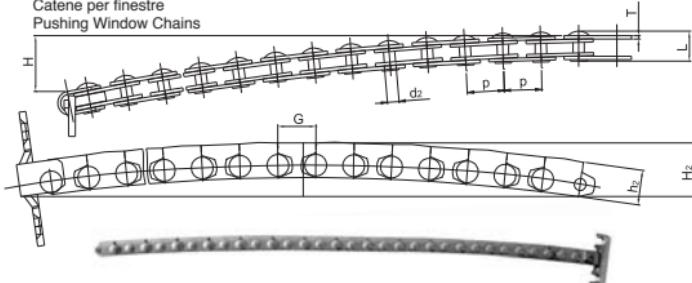
Dimensioni degli attacchi Attachment dimension										Tensile strength	Peso aprov. Weight per meter
C	S	F	W	C <sub>2</sub>	α	L <sub>4</sub>	L <sub>5</sub>	H	Y	Q min	q m
mm	mm	mm	mm	mm		mm	mm	mm	mm	kN	kg/m
50.00	13.50	21.50	27.00	17.00	17°	39.00	60.00	23.40	9.10 × 9.10	55,60	5,33

## Catene a rulli anticurvatura &amp; catene per finestre / Anti Side Bow &amp; Pushing Window Chains

Catene a Rulli anticurvatura  
Anti-Side Bow Chains



Catena Chain No	Passo Pitch	Diametro Bussola Bush diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Dimensioni piastre Plate dimensions			Carico min. Ultimate tensile strength	Peso aprox. Weight per meter
	p	d3 max	b1 min	d2 max	L max	Lc max	H max	h	t/T max	Q min	q kg/m
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m
SPC9.525	9.525	5.08	4.68	3.58	13.1	14.6	13.1	8.6	2/1.3	10.8	0.73

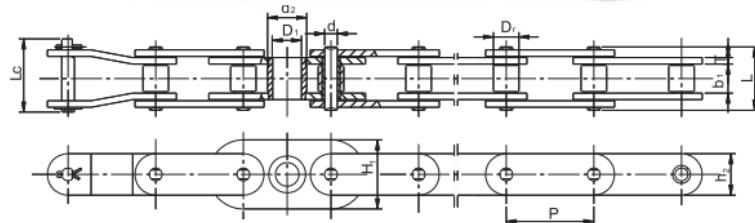
Catene per finestre  
Pushing Window Chains

Catena Chain No	Passo Pitch	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre Plate dimensions			Dimensioni piastre Plate dimensions		Peso aprox. Weight per meter
	p	d2 max	L max	h2 max	G max	T max	H	H2 max	q kg/m
	mm	mm	mm	mm	mm	mm	mm	mm	Kg/m
SPC12.65a	12.70	3.9	9.80	11.95	12.80	1.1	50 ~ 80	17.0	0.33
*SPC12.65	12.70	3.9	9.80	11.95	12.80	1.1	55 ~ 75	17.0	0.33

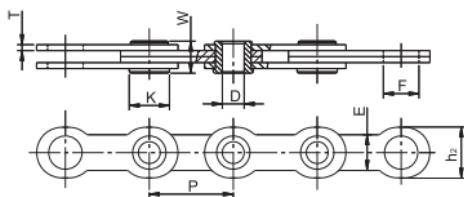
\* Catene in Acciaio INOX

\* Stainless Steel Chains

Catene per macchine tessili / Chains Used for Textile Machines



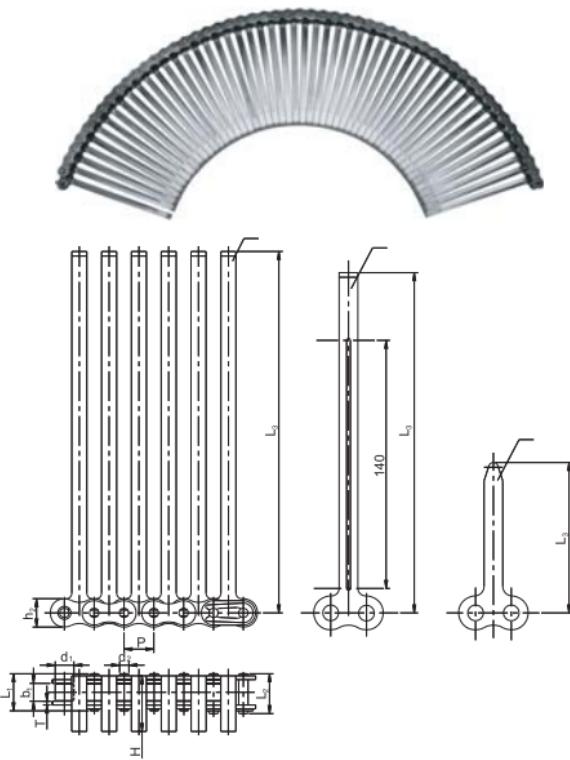
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Larg. catena ribadita Pin length		Dimensioni degli attacchi Attachment dimension		
		D <sub>r</sub> max	b <sub>1</sub> min	b <sub>2</sub> max			L max	L <sub>c</sub> max	D <sub>1</sub>	d <sub>2</sub>	H <sub>i</sub> max
	P	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
C2120H-15L C/W G1	76.20	22.23	25.22	36.20	5.65	11.10	53.80	60.40	25.00	34.00	60.00
C2140H-15L C/W G1	88.90	25.40	25.22	42.24	6.45	12.70	57.90	62.50	30.00	42.80	60.00
CP92H-15L C/W G1	92.00	25.40	25.22	42.24	6.45	12.70	57.90	62.50	30.00	42.80	60.00



Catena Chain No.	Passo Pitch	Dimensioni bussola Bushing			Dimensioni piastre Link Plate			
		D	W	K	h <sub>2</sub>	E	F	T
	P	mm	mm	mm	mm	mm	mm	mm
HL36.5	36.51	9.50	14.80	17.50	22.00	15.50	14.50	2.60

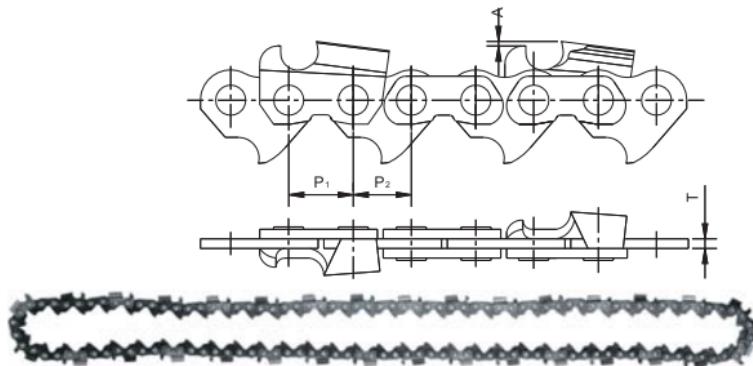
Note: Card flat chain, used for cotton fiber

Note: Usata per fibre di cotone



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Altezza piastra Inner plate depth	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Spessore piastra Plate thickness	Dimensioni attacchi Attachment dimensions		Carico di rotura min. Ultimate tensile strength	Peso aprox. Weight per meter	Attacco Tipo Attachment Type
		d <sub>1</sub> max	b <sub>1</sub> min	h <sub>2</sub> max	d <sub>2</sub> max	L <sub>1</sub> max	L <sub>2</sub> max		T	L <sub>3</sub>	H		
		mm	mm	mm	mm	mm	mm		mm	mm	mm		
50HAO	15.875	10.16	9.40	15.09	5.08	22.10	24.10	2.44	192.30	29.80	21.80	3.35	I
60AO	19.05	11.91	12.57	18.08	5.94	26.90	31.50	2.44	181/80, 130	32.90/-	31.10	3.41/2.25, 2.80	II / III

## Catene per motoseghe / Saw Chains

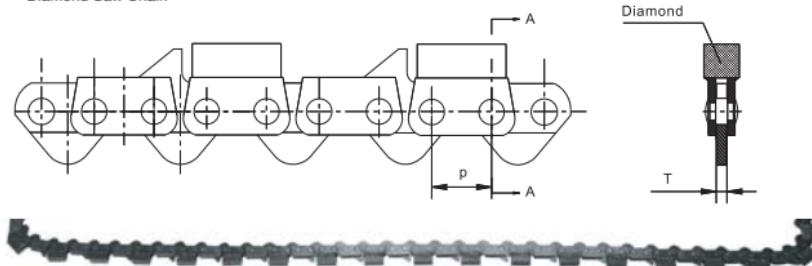


Catena LY LY Chain No.	Passo 1 Pitch1	Passo 2 Pitch2	Altezza di taglio Depth gauge setting	Spessore piastra di guida Transmission-plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	
	P <sub>1</sub> mm	P <sub>2</sub> mm	A mm			Q <sub>min</sub> kN	Q <sub>avg</sub> kN
	JL9d-3	9.52	9.33	0.65	1.30	3.50	4.20
JL8-3		8.25	8.25	0.65	1.30	6.00	
JL8-5		8.25	8.25	0.65	1.50	7.00	
JL9-3		9.52	9.33	0.65	1.30	7.00	
JL9-5		9.52	9.33	0.65	1.50	8.00	
JL10-6		10.26	10.26	0.76	1.60	8.50	

\* δ Tolleranza dello spessore delle piastre

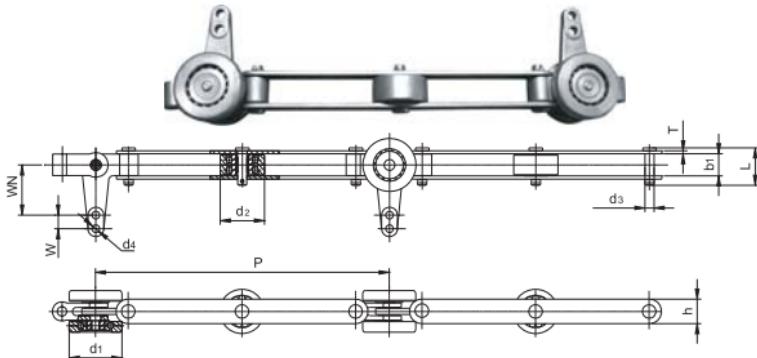
\* δ indicates tolerance of transmission-plate thickness.

Catena Diamantata per motosega  
Diamond Saw Chain

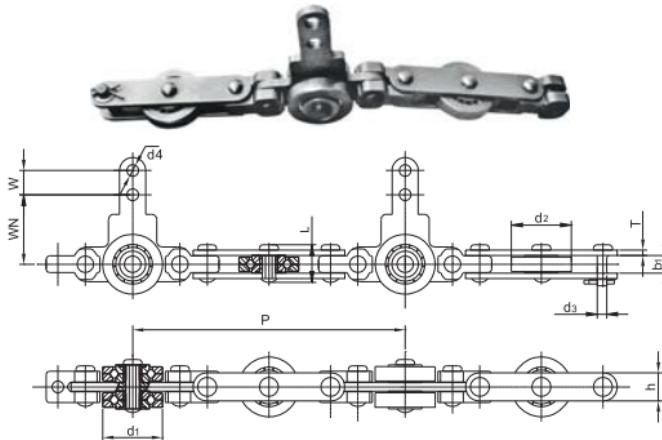


Catena Chain No.	Passo Pitch	Spessore piastra di guida Transmission-plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength
	P mm	T mm	Q kN	Q <sub>avg</sub> kN
	Yj9	9.95	1.80	7.93

## Catene per trasporto e sollevamento / Hanging Conveyor Chains



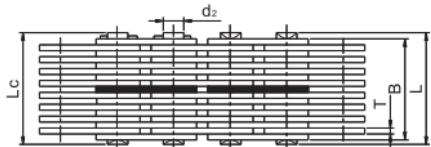
Catena Chain No.	Passo Pitch	Diametro Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre Plate dimensions		Dimensioni attacchi Attachment dimensions			
	P	d <sub>1</sub>	d <sub>2</sub>	b <sub>1</sub>	d <sub>1</sub>	L	h	T	W	d <sub>4</sub>	WN
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
P304.8XG	304.8	55	46	22.8	9.8	40	25.6	3.2	14	7.9	52



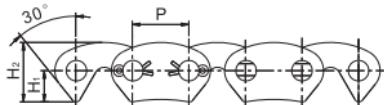
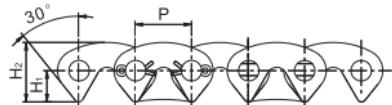
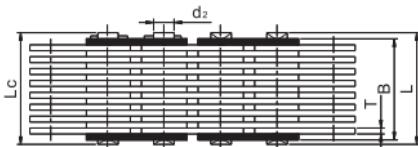
Catena Chain No.	Passo Pitch	Diametro Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre Plate dimensions		Dimensioni attacchi Attachment dimensions			
	P	d <sub>1</sub>	d <sub>2</sub>	b <sub>1</sub>	d <sub>1</sub>	L	h	T	W	d <sub>4</sub>	WN
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
P152.4XG	152.4	33.3	9.9	6.4	22.1	15.9	3	13.5	6.5	38.8	

## Catene silenziose / Silent Chains

A Guida Centrale  
Middle guide



A guida Laterale  
Side guide



### SERIE AMERICANA / AMERICAN SERIES

Catena GB GB Chain No.	Passo Pitch	Larghez. Catena Chain width	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Distanza del centro del foro Distance from hole center to tooth	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Guida from	Numero Piastre Number of plates	Carico di rottura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso approx. Weight per meter	
		P mm	B min mm	d <sub>1</sub> max mm									
CL06	9,525	13,5	3,96	18,5	20,0	5,3	10,0	1,5	Esterno Centrale	9	10,0	11,2	0,60
		16,5		21,5	23,0				Esterno Centrale	11	12,5	14,0	0,73
		19,5		24,5	26,0				Esterno Centrale	13	15,0	16,8	0,85
		22,5		27,5	29,0				Esterno Centrale	15	17,5	19,6	1,00
		25,5		33,5	35,0				Esterno Centrale	19	22,5	25,2	1,26
CL08	12,70	19,5	5,08	24,5	26,0	7,0	13,4	1,5	Esterno Centrale	13	23,4	26,2	1,15
		22,5		27,5	29,0				Esterno Centrale	15	27,4	30,6	1,33
		25,5		30,5	32,0				Esterno Centrale	17	31,3	35,0	1,50
		28,5		33,5	35,0				Interni Iniziale	19	35,2	39,4	1,68
		34,5		39,5	41,0				Interni Iniziale	23	43,0	48,1	2,04
		40,5		45,5	47,0				Interni Iniziale	27	50,8	56,8	2,39
		46,5		51,5	53,0				Interni Iniziale	31	56,6	65,6	2,74
CL10	15,875	52,5	5,94	57,5	59,0	8,7	16,7	2,0	Interni Iniziale	35	66,4	74,3	3,10
		30,0		37,0	38,2				Interni Iniziale	15	45,6	50,6	2,21
		38,0		45,0	46,2				Interni Iniziale	19	58,6	65,0	2,80
		46,0		53,0	54,2				Interni Iniziale	23	71,7	79,5	3,39
		54,0		61,0	62,4				Interni Iniziale	27	84,7	94,0	3,99
		62,0		69,0	70,4				Interni Iniziale	31	97,7	108,4	4,58
CL12	19,05	38,0	6,90	45,0	46,5	10,5	20,0	2,0	Interni Iniziale	19	70,0	77,6	3,37
		46,0		53,0	54,5				Interni Iniziale	23	86,0	95,4	4,08
		54,0		61,0	62,8				Interni Iniziale	27	102,0	113,2	4,78
		62,0		69,0	70,8				Interni Iniziale	31	117,0	129,8	5,50
		70,0		77,0	78,8				Interni Iniziale	35	133,0	147,6	6,20
		45,0		52,0	53,5				Interni Iniziale	15	111,0	123,2	5,31
CL16	25,40	51,0	8,90	58,0	59,5	14,0	26,7	3,0	Interni Iniziale	17	125,0	138,7	6,02
		57,0		64,0	65,5				Interni Iniziale	19	141,0	156,5	6,37
		69,0		76,2	77,7				Interni Iniziale	23	172,0	190,9	8,15
		81,0		88,2	89,7				Interni Iniziale	27	203,0	225,3	9,57
		93,0		100,2	101,7				Interni Iniziale	31	235,0	260,8	10,98
		57,0	10,84	66,6	69,6				Interni Iniziale	19	165,0	183,1	8,42
CL20	31,75	69,0		78,6	81,6				Interni Iniziale	23	201,0	223,1	10,19
		81,0		90,6	93,6				Interni Iniziale	27	237,0	262,5	11,96
		93,0		102,6	105,6				Interni Iniziale	31	273,0	303,0	13,73
		105,0		114,6	117,6				Interni Iniziale	35	310,0	341,0	15,50
		117,0		126,6	129,6				Interni Iniziale	39	346,0	380,6	17,27

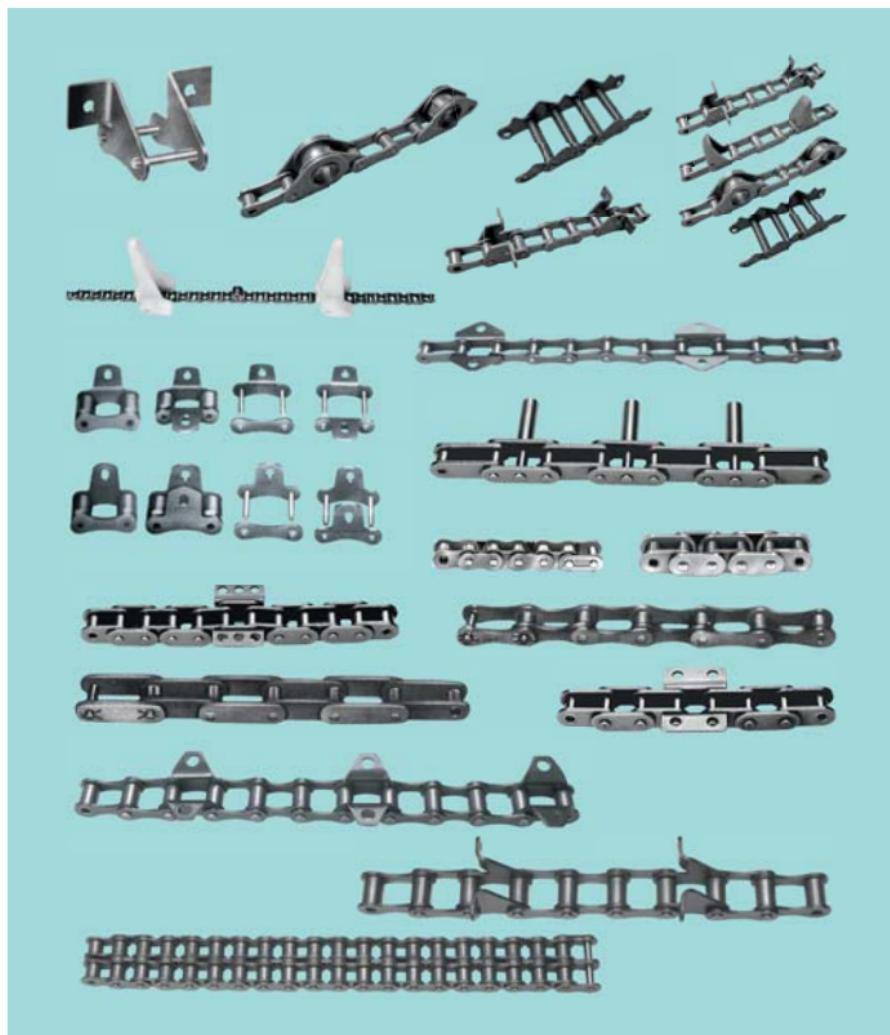
# CATENE SERIE AGRICOLA

## AGRICULTURAL CHAINS

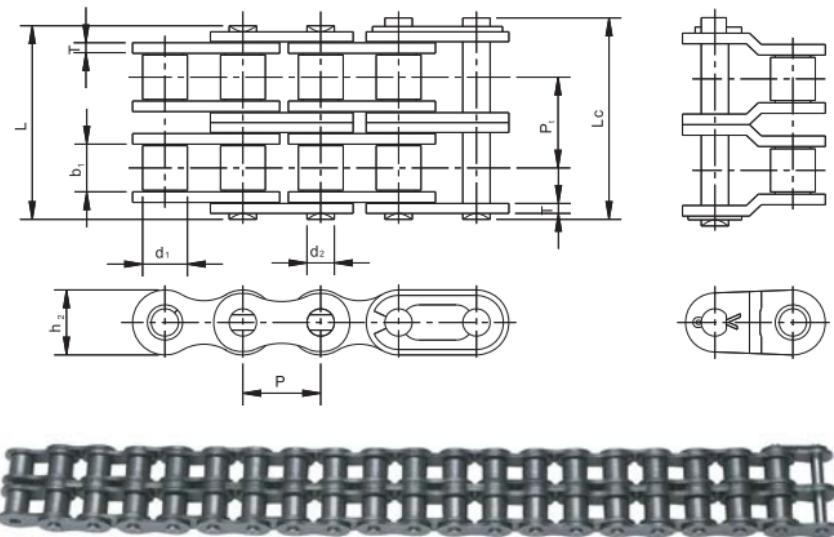
6



Catene serie agricola / Agricultural Chains

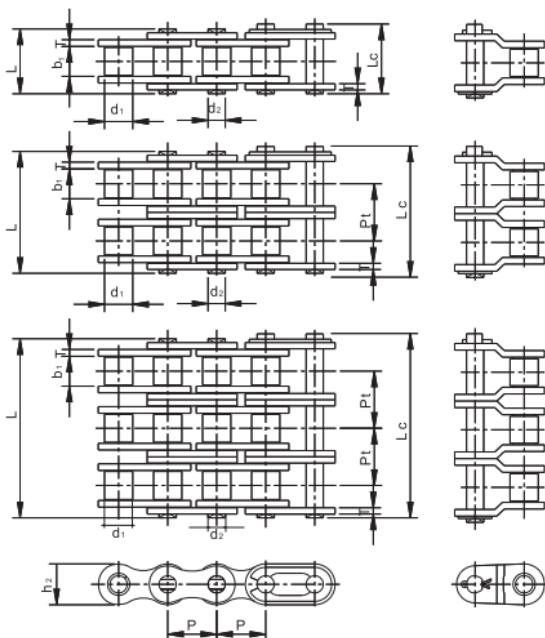


## Catene per uso agricolo per semina e raccolta / Walking Tractor Chains and Ratay Tillage Chains



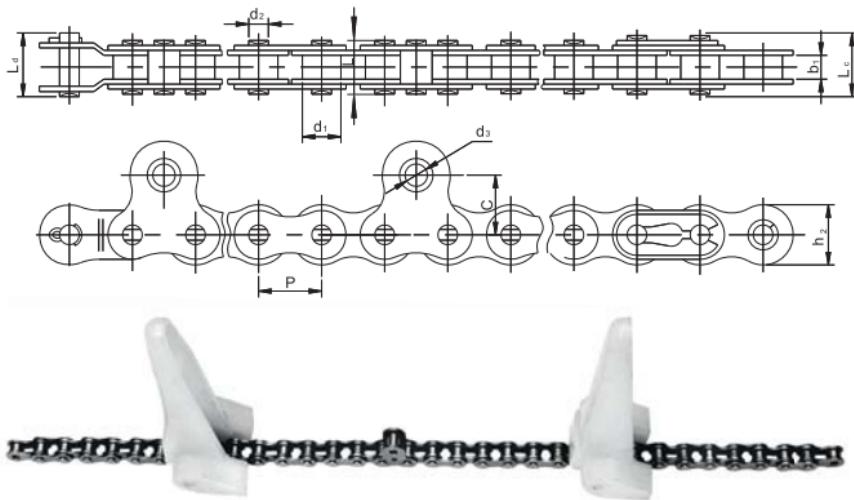
Catena ISO/DIN ISO/DIN Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Plate depth $h_2$ max	Spessore piastra Plate thickness $T$	Passo trasversale Transverse pitch $P_t$	Carico di rotura min. Ultimate tensile strength $Q_{U_i}$ min	Carico di rotura medio Average tensile strength $Q_i$	Peso approx. kg/m
		$d_1$ max	$b_1$ min	$d_2$ max	$L$ max	$L_c$ max						
		mm	mm	mm	mm	mm						
08B-2	12.70	8.51	7.75	4.45	31.00	33.00	11.81	1.60	13.92	31.1/32.0	37.4	1.34
12A-2	19.05	11.91	12.57	5.94	48.80	51.50	18.08	2.44	22.78	62.3/63.6	82.4	2.92
12AH-2	19.05	11.91	12.57	5.94	56.00	60.60	18.08	3.26	26.11	62.3/63.6	85.0	3.71
16A-2	25.40	15.88	15.75	7.92	62.70	67.10	24.13	3.26	29.29	111.2/113.4	143.0	5.15

## Catene standard / Standard Chains



ISO/DIN Catena No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena rodata		Altezza piastra Plate depth h <sub>0</sub> max	Spessore piastra Plate thickness T	Passo trasverso Transverse pitch P <sub>t</sub>	Carico di rotura min. Ultimate tensile strength Q <sub>U</sub> (ISO/DIN) min	Carico di rotura medio Average tensile strength Q <sub>0</sub>	Tipo Type q =
	P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	L <sub>c</sub> max						
	mm	mm	mm	mm	mm	mm						
06B-1	12.70	8.51	7.75	4.45	16.70	18.20	11.80	1.60	-	17.80/18.00	19.40	0.69
06B-3	12.70	8.51	7.75	4.45	45.10	46.10	11.80	1.60	13.92	44.50/47.50	57.80	2.03
10A-1	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.06	-	21.80/22.20	29.40	1.02
10A-2	15.875	10.16	9.40	5.08	38.90	40.40	15.09	2.06	18.11	43.60/44.40	58.10	2.00
12A-1	19.05	11.91	12.57	5.94	25.90	27.70	18.00	2.44	-	31.10/31.80	41.50	1.50
16A-1	25.40	15.88	15.75	7.92	32.70	35.00	24.00	3.26	-	55.60/56.70	69.40	2.60
16A-1	25.40	15.88	15.75	7.92	36.20	37.70	24.00	4.00	-	55.60/56.70	71.40	3.10

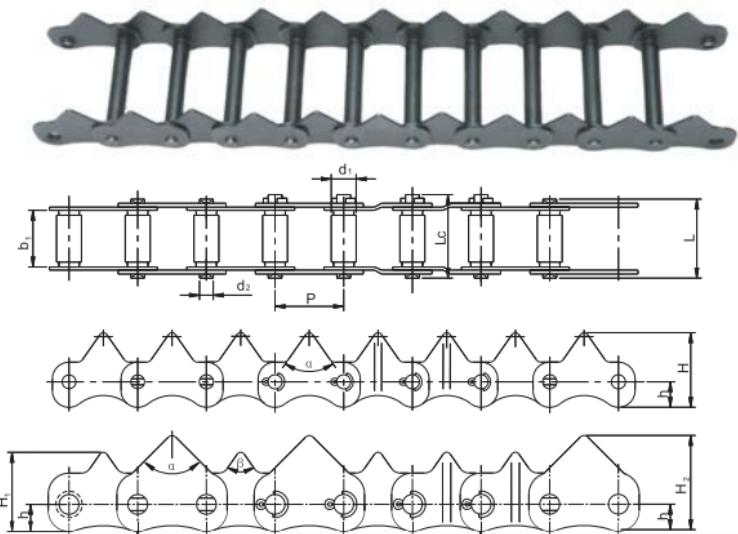
## Catene da sollevamento per uso agricolo / Agricultural leaf chains



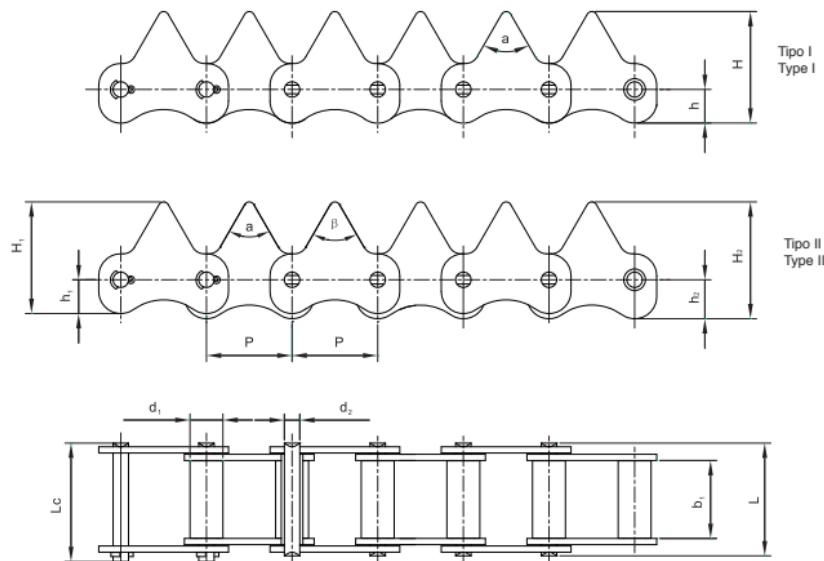
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length			Altezza piastra Inner plate depth	Dimensioni degli attacchi Attachment dimension		Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength
		P	d <sub>1</sub> max	b <sub>1</sub> min	d <sub>2</sub> max	L max	L <sub>c</sub> max	L <sub>r</sub> max	d <sub>3</sub>	C		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN
Y#415	12.7	7.77	4.8	3.95	13.3	15.10	16.2	12.0	3.96	12.0	15.68	16.2
#415S(a)	12.7	7.77	4.8	3.95	13.3	14.40	-	10.4	4.45	12.0	14.20	16.2
#415S(b)	12.7	7.77	4.8	3.95	13.3	14.40	-	10.4	4.45	12.0	14.20	16.2

Le Catene #415s (a), #415(b) differiscono solo per il numero di attacchi  
#415s (a), #415(b) only differ in the number of attachments

## Catene standard / Standard Chains

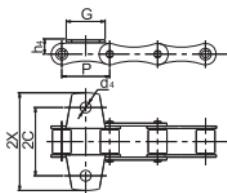


Catena ISO/DIN ISO/DIN Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Angolo dente Tooth angle Angle	Dimensioni piastra Plate dimensions		Carico di rotura min. Ultimate tensile strength Q min kN	Tipo Type
		$d_1$ max	$b_1$ min	$d_2$ max	$L$ max	$L_c$ max		$a$	$h$		
		mm	mm	mm	mm	mm		mm	mm		
3318T	33	10.1	18	7	29.5	32.0	70°	13	38	19.6	I
3322T	33	10.1	22	7	33.5	36.0	70°	13	38	19.6	I
3325T	33	10.1	25	7	36.5	39.0	70°	13	38	19.6	I
3325Ta	33	10.1	25	7	35.2	37.4	90°	13	38	19.6	I
3330T1	33	10.1	30	7	41.5	44.0	60°	13	43	19.6	I
3330T2	33	10.1	30	7	41.5	44.0	70°	13	38	19.6	I
3330Ta	33	12.8	30	7	39.5	42.5	70°	13	38	19.6	I
3358T	33	10.1	58	7	69.5	72.0	70°	10	43	19.6	I
3358Ta	33	10.1	58	7	68.5	70.8	75°	10	43	19.6	I
3558T	35	10.1	58	7	69.35	71.65	90°	15	48	22.5	I
3358b	33	12.8	58	9.5	70.1	72.8	$\alpha: 90^\circ$ $\beta: 75^\circ$	13	$H_1: 38$ $H_2: 46$	19.6	II
3558C/C'b	33	12.7	58	9.5	70.3	72.9	$\alpha: 90^\circ$ $\beta: 70^\circ$	13	$H_1: 38$ $H_2: 46$	19.6	II

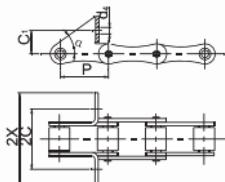


Catera ISO/DIN ISO/DIN Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Angolo dente Tooth angle	Dimensioni piastra Plate dimensions		Carico di rottura min. Ultimate tensile strength	Tipo Type
		$d_1$ max	$b_1$ min	$d_2$ max	$L$ max	$L_c$ max		$h$	$H$	$Q$ min	
		mm	mm	mm	mm	mm	Angle	mm	mm	kN	
		33	12.7	30	5.94	43.5	45.6	60°	$h_1: 13$ $h_2: 15$	$H_1: 45$ $H_2: 45$	19.6
3330a	33	12.7	30	5.94	43.5	45.6	70°	13	38	19.6	I
3322	33	12.7	22	5.94	35.5	37.6	70°	15	40	19.6	I
3358	33	12.7	58	7.0	70.9	73.5	$\alpha: 90^\circ$ $\beta: 75^\circ$	13	$H_1: 38$ $H_2: 48$	19.6	II

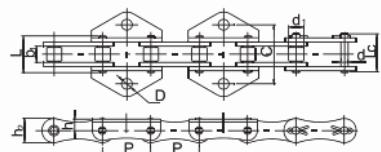
### Catene GS38 / GS38 Combine Chains



Catena Chain No	P	G	2C	2X	$h_s$	$d_s$
	mm	mm	mm	mm	mm	mm
GS38P2	38.0	17.2	52	72	15	11.1

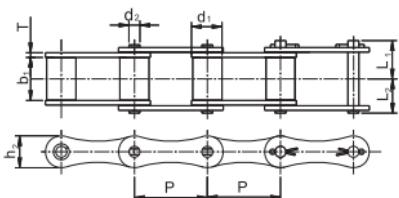


Catena Chain No	P	C1	2C	2X	$\alpha$	$d_s$
	mm	mm	mm	mm	Angle	mm
GS38Ld2	38.0	30	52	72	47°	6.5



Catena Chain No	P	$b_1$	$d_s$	d	L	$L_c$	$h_2$	h	C	D
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
212AWK	38.1	12.57	11.91	5.94	25.60	27.70	18.08	10.00	45.00	8.50

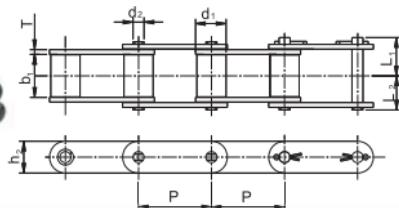
## Tipo MR, tipo RF e attacchi / MR Type, RF Type and Attachment Links



1 Tipo MR / MR Type

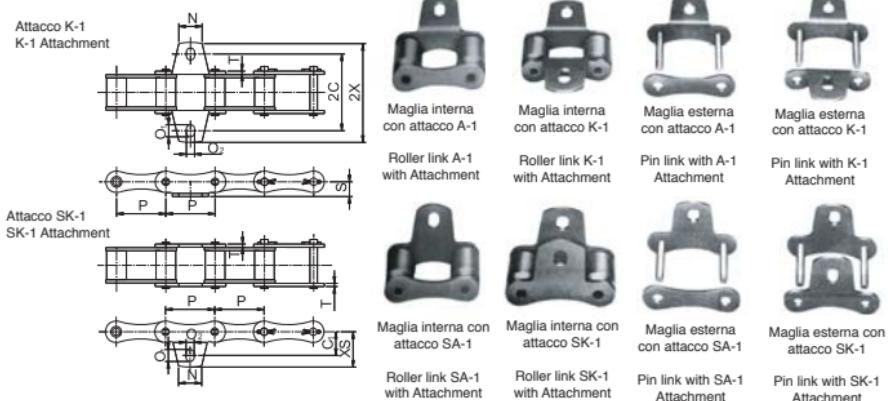


2 Tipo MR / MR Type



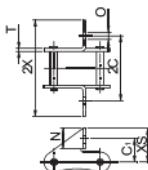
Catena Chain No	Passo Pitch	Diam. Ruolo Roller diameter	Larghezza interna Width between inner plates	Perno Pin			Piastra Plate		Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub>	b <sub>1</sub>	d <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	T	h <sub>1</sub>	Q(min)	q kg/m
	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m
S32(MR32)	29.21	11.43	15.9	4.44	14.45	13.05	1.5	12.8	900	0.75
S42(MR42)	34.925	14.27	19.1	7.00	19.05	16.85	2.5	19.0	3,000	1.61
S52(MR52)	38.10	15.24	22.2	5.72	20.80	18.40	2.5	16.4	2,000	1.57
S55(MR55)	41.40	17.78	22.2	5.72	20.80	18.40	2.5	16.6	2,000	1.64
S45(MR45)	41.40	15.24	22.2	5.72	20.80	18.40	2.5	16.6	2,000	1.44
S62(MR62)	41.91	19.05	25.4	5.72	20.75	20.05	2.5	16.8	2,900	1.87
C550(RF550)(CA550)	41.40	16.80	20.2	7.15	20.85	17.35	2.7	20.0	5,100	1.95
C620(RF620)(CA620)	42.01	17.68	25.0	7.15	24.15	21.05	3.2	20.0	5,100	2.38

## Attacchi / Attachment Links



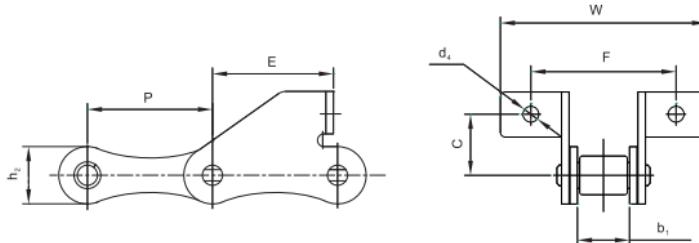
Catena Chain No.	Passo Pitch $\bar{P}$	Dimensioni degli attacchi / Attachment dimension									Peso aggiornabile per attacco Additional weight per A-Attachment kg/att
		2C	C <sub>1</sub>	N	O <sub>1</sub>	O <sub>2</sub>	S	T	2X	XS	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	
S32(MR32)	29.21	42.86	17.3	17.0	6.86	5.2	8.6	1.5	59.9	25.9	0.003
S42(MR42)	34.925	54.00	23.6	23.6	10.10	6.9	14.0	2.5	75.0	34.2	0.013
S52(MR52)	38.10	58.70	22.1	16.0	8.56	6.9	11.4	2.5	76.5	30.8	0.010
S55(MR55)	41.40	54.00	19.8	22.0	10.10	6.9	11.4	2.5	74.0	29.9	0.012
S45(MR45)	41.40	54.00	19.8	22.0	10.10	6.9	11.4	2.5	74.0	29.9	0.010
S62(MR62)	41.91	66.70	24.6	24.0	13.20	6.9	11.4	2.5	95.3	38.6	0.011

Guida con Attacchi SD-1  
SD-1 Attachment links



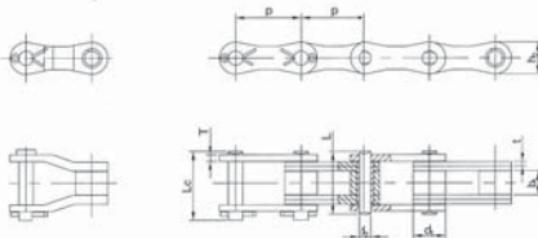
Catena Chain No.	Passo Pitch $\bar{P}$	Dimensioni degli attacchi / Attachment dimension									Peso aggiornabile per attacco Additional weight per A-Attachment kg/att
		2C	C <sub>1</sub>	N	O <sub>1</sub>	O <sub>2</sub>	S	T	2X	XS	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	
S52(MR52)	38.1	58	20	16	6.6	6.6	2.5	86	28	0.018	
S55(MR55)	41.4	58	20	16	6.6	6.6	2.5	86	28	0.019	
S45(MR45)	41.4	58	20	16	6.6	6.6	2.5	86	28	0.019	

## Catene da agricoltura con attacchi tipo C / S Type Steel Agricultural Chain with Attachments

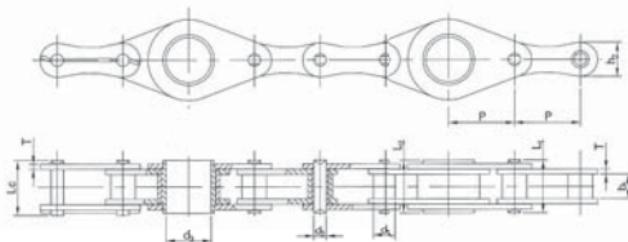


Catena Chain NO.	P	b1	C	E	F	W	d4	h2
	mm	mm	mm	mm	mm	mm	mm	mm
S32SD	29.21	15.88	20.0	19.2	58.0	78.0	6.4	13.2
S45W-F1	41.40	22.23	20.0	37.0	58.0	87.0	6.6	17.3
S45W-F4	41.40	22.23	20.5	33.2	58.0	85.6	6.6	17.3
S45F1	41.40	22.23	21.0	25.0	62.4	83.4	8.5	17.3
S52SD	38.10	22.23	20.0	19.2	62.0	88.5	6.4	17.3
S52F4	38.10	15.8	20.6	37.0	53.8	69.5	6.4	16.7
S52F8	38.10	22.23	20.6	37.0	60.7	76.4	6.4	17.3
S52F9	38.10	18.5	20.0	18.5	54.5	71.0	6.5	16.5
S52LSD	38.10	16.4	20.0	17.5	54.5	71.0	6.5	16.5
S55F2	41.40	22.23	20.0	37.0	58.0	87.0	6.4	17.3
S55F3	41.40	22.23	20.5	33.2	58.0	85.6	6.6	17.3
S55F4	41.40	22.23	20.0	37.0	58.0	87.0	6.6	17.3
S55F6	41.40	22.23	20.0	30.0	58.0	87.0	6.4	17.3
S55F7	41.40	22.23	20.5	33.2	62.0	85.6	6.6	17.3
S62SD	41.91	26.2	20.0	32.6	61.4	92.0	6.4	17.3

Catene per agricoltura con attacchi tipo C / S Type Steel Agricultural Chain

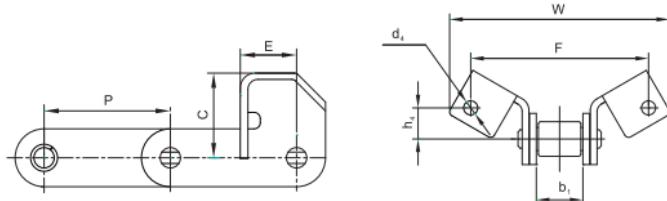


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength
		P mm	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	L max mm	L <sub>c</sub> max mm		
	CA650a	50.8	25.0	19.0		11.28	49.2	53.7	25.0
CA650c			19.0						90.0
									130.0

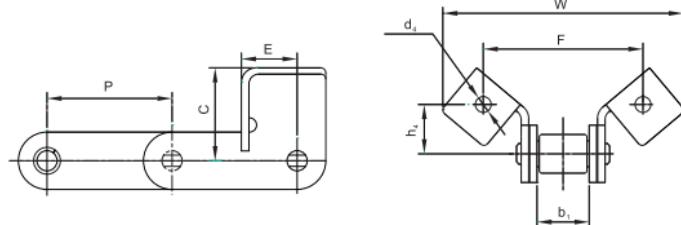


Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Diametro interno perno forato Hollow pin inner diameter	Largh. catena ribadita Pin length		Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	
		P mm	d <sub>1</sub> max mm	b <sub>1</sub> min mm	d <sub>2</sub> max mm	d <sub>3</sub> min mm	L <sub>1</sub> max mm	L <sub>2</sub> max mm	L <sub>c</sub> max mm	h <sub>2</sub> max mm	T mm
CA650bF1	50.8	19.05	19.05	9.54	35.0	41.1	41.1	42.6	26.7	4.00	80.0

## Catene per agricoltura con attacchi tipo C / C Type Steel Agricultural Chain with Attachments

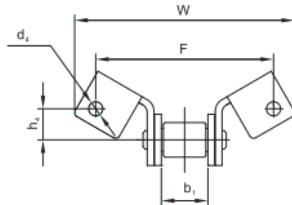
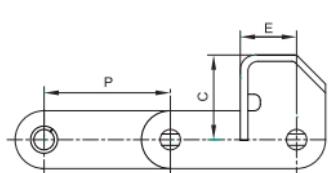


Catena Chain NO.	P	b1	E	C	F	W	H4	d4
	mm	mm	mm	mm	mm	mm	mm	mm
CA55OF14	41.40	19.81	20.24	31.75	79.40	101.60	15.90	8.33
CA55OF16	41.40	20.00	22.30	39.00	78.00	109.20	17.70	8.00

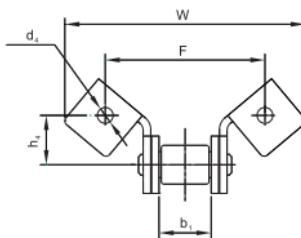
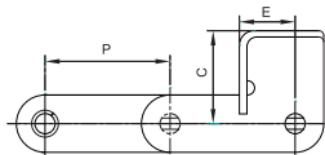


Catena Chain NO.	P	b1	E	C	F	W	H4	d4
	mm	mm	mm	mm	mm	mm	mm	mm
CA55OF15	41.40	19.81	24.00	35.26	61.98	95.25	19.05	6.73
CA55OF17	41.40	19.81	23.68	40.89	114.30	143.70	20.57	9.91
CA55VF13	41.40	19.05	25.40	59.60	79.35	135.45	28.60	8.74
CA55OF18	41.40	19.81	24.00	35.26	61.98	95.25	19.05	8.33

Catene per agricoltura con attacchi tipo C / C Type Steel Agricultural Chain with Attachments

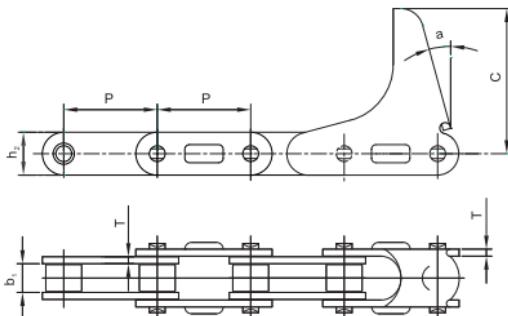


Catena Chain NO.	P mm	b1 mm	E mm	C mm	F mm	W mm	H4 mm	d4 mm
CA550F14	41.40	19.81	20.24	31.75	79.40	101.60	15.90	8.33
CA550F16	41.40	20.00	22.30	39.00	78.00	109.20	17.70	8.00

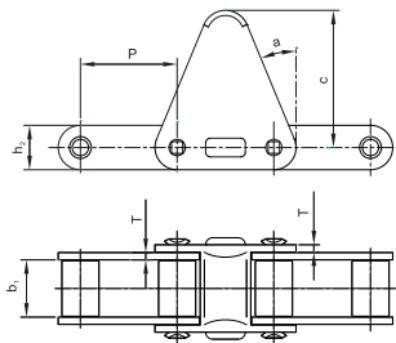


Catena Chain NO.	P mm	b1 mm	E mm	C mm	F mm	W mm	H4 mm	d4 mm
CA550F15	41.40	19.81	24.00	35.26	61.98	95.25	19.05	6.73
CA550F17	41.40	19.81	23.68	40.89	114.30	143.70	20.57	9.91
CA550VF13	41.40	19.05	25.40	59.60	79.35	135.45	28.60	8.74
CA550F18	41.40	19.81	24.00	35.26	61.98	95.25	19.05	8.33

## Catene per agricoltura con attacchi tipo C / C Type Steel Agricultural Chain with Attachments

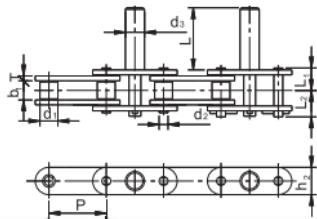


Catena Chain NO.	$P$	$b_1$	$h_2$	$T$	$C$	$a$
	mm	mm	mm	mm	mm	mm
CA555-C6E	41.40	12.70	19.30	3.10	63.50	15*
CA555-C6EJ	41.40	12.70	19.30	3.25	66.00	15*

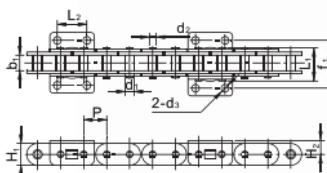
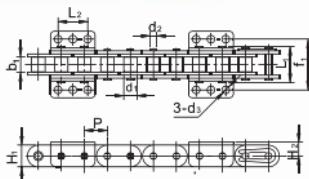
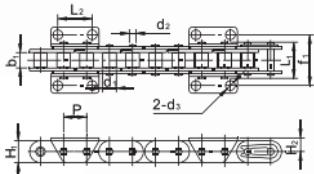


Catena Chain NO.	$P$	$b_1$	$h_2$	$T$	$C$	$a$
	mm	mm	mm	mm	mm	mm
CA620-C30E	42.01	24.51	20.20	3.25	58.70	22.5*

## Catene standard / Standard Chains



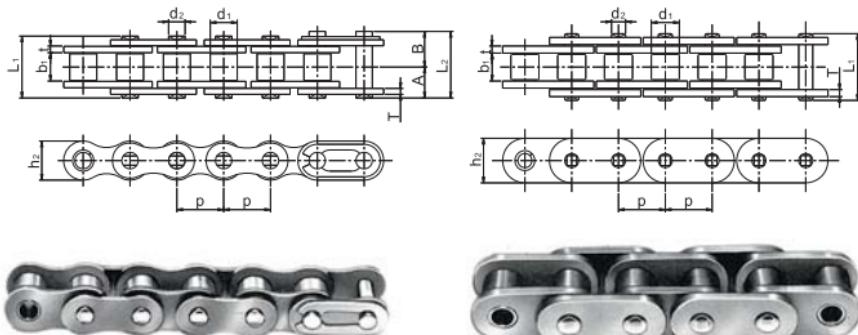
Catena Chain No.	Passo Pitch P	Dimensioni / Dimension								
		d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	b <sub>1</sub>	T	h <sub>1</sub>	L	L <sub>1</sub>	L <sub>2</sub>
		mm	mm	mm	mm	mm	mm	mm	mm	mm
C2060HsR (C2060H W/D-5 1/2")	38.1	11.91	5.94	12.7	12.57	3.36	18.08	41.2	14.95	19.55
C2060HsR (C2060H W/D-5 9/16")	38.1	11.91	5.94	14.28	12.57	3.26	18.08	41.2	14.95	19.55



Catena Chain No.	Passo Pitch P	Diam. Rullo d <sub>1</sub> max	Larghezza interna min	Diametro Perno d <sub>2</sub> max	Dimensione del perno più lungo L <sub>1</sub> max	Altezza piasta H <sub>1</sub> max	Altezza dell'attacco H <sub>2</sub> max	Distanza tra i fori degli attacchi L <sub>2</sub> mm	Diametro foro degli attacchi d <sub>3</sub> mm	Distanza fori degli attacchi sx e dx f <sub>1</sub> mm	Carico di rotura min. Q kN
		mm	mm	mm	mm	mm	mm	mm	mm	mm	min.
P19.05K2	19.05	11.91	12.57	5.94	33.27	18.08	11.90	28.45	8.74	46.74	31.1
P19.05K3	19.05	11.91	12.57	5.94	33.27	18.08	11.90	22.86	6.81	42.01	31.1
*P28.57Z	28.57	11.68	15.87	7.94	33.40	22.23	13.67	28.57	9.04	46.74	50.0

\* Indica catene e bussole, d1 indica il diametro esterno della bussole

\* Indicates chains and bushes, d1 indicates the external diameter of the bush.



Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Perno Pin						Piastra Plate			Carico di rottura medio Average tensile strength $Q_u$	Maximum allowable load $Q_1$	Peso approx. $q$ kg/m	
				$p$ mm	$b_1$ mm	$d_1$ mm	$d_2$ mm	A mm	B mm	(A+A) $L_1$ mm	(A+B) $L_2$ mm	1/T mm	$h_1$ mm			
TNJ 415	12.70	4.76	7.75	3.64	55	6.9	11.00	12.4	1.1	9.5	1,000(9.8)	220(2.16)	0.34			
TNJ 515S				3.97	64	7.9	12.80	14.3	1.5	11.7	1,850(18.1)	380(3.73)	0.51			
TNJ 420				6.35	7.77	3.97	72	8.7	14.40	15.9	1.5	11.7	1,850(18.1)	380(3.73)	0.55	
TNJ 40				7.95	7.95	3.97	8.02	9.53	16.05	17.55	1.5	11.7	1,850(18.1)	370(3.63)	0.41	
TNJ 40 FHR				7.95	7.95	3.97	-	18.10	-	2.0	12.0	2,700(26.5)	450(4.42)	0.48		
TNJ 428 H				7.95	8.50	4.51	9.05	10.55	18.10	19.6	2.0	11.7	2,300(22.6)	450(4.42)	0.7	
TNJ 520	15.875	9.53	10.16	8.47	9.93	16.95	18.40	2.0	14.6	3,050(29.9)	650(6.37)	0.89				
TNJ 50				5.09	10.15	11.6	20.30	21.75	2.0	14.6	3,050(29.9)	650(6.37)	1.01			
TNJ 50 FHR				-	-	21.95	-	2.4	15.0	4,050(39.7)	810(7.94)	1.37				
TNJ 630 HA	19.05	9.53	11.91	5.96	-	-	25.40	-	3.2	17.5	5,100(50.0)	980(9.61)	1.65			
TNJ 630 FR				9.53	14.28	7.11	-	27.20	-	4.0/3.2	18.4	7,000(68.6)	1,350(13.24)	2.41		
TNJ 635 FR				11.10	12.70	7.11	-	28.60	-	4.0/3.2	18.4	7,200(70.6)	1,400(13.73)	2.33		
TNJ 640 FR				12.70	14.28	7.11	-	28.60	-	3.2	18.4	5,900(57.9)	1,300(12.75)	2.37		
TNJ 60 FHR				11.91	5.96	-	-	28.60	-	3.2	18.0	5,250(51.5)	1,250(12.26)	2.07		
TNJ 5745 FR	22.225	14.30	15.60	7.94	-	-	35.60	-	4.8/4.0	23.0	9,400(92.2)	1,050(16.18)	3.57			
TNJ 80 HHA	25.40	15.88	18.25	9.54	-	-	42.50	-	6.0/4.8	24.0	12,500(122.6)	2,250(22.06)	4.82			
TNJ 80 FHR				15.88	7.94	-	35.60	-	4.0	24.0	12,200(119.6)	2,050(20.10)	3.51			
TNJ 90 HHA	28.575	17.80	21.30	11.11	-	-	47.40	-	6.3/5.5	30.4	17,250(169.20)	3,100(30.40)	6.53			
TNJ 100 HHA	31.75	19.05	23.80	12.71	-	-	51.80	-	7.1/6.4	33.5	19,940(195.5)	3,400(33.34)	7.94			
TNJ 100 HLL				19.05	9.54	-	-	43.45	-	4.8	30.0	19,000(186.3)	3,300(32.36)	4.88		
TNJ 100 FHR				19.05	9.54	-	-	43.45	-	4.8	30.1	15,000(147.1)	3,200(31.38)	5.18		
TNJ 120 HLL	38.10	25.40	22.23	11.1	-	-	53.70	-	5.6	36.0	20,000(196.1)	4,300(42.17)	6.94			
TNJ 120 FHR				-	-	-	-	-	36.2	36.2	19,550(191.7)	4,200(41.19)	7.32			



# CATENE ACCIAIO INOX AISI 304 CATENE CON TRATTAMENTI SUPERFICIALI

AISI 304 STAINLESS STEEL ROLLER CHAINS  
ENVIRONMENT CHAINS

7



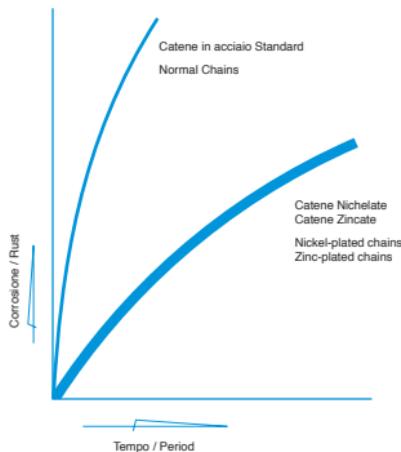
## Catene nichelate e catene zincate / Nickel-plated Chains and Zinc-plated Chains

Applicazioni: Adatte ad ambienti in cui gli agenti contaminanti si depositano e si accumulano, esposte al contatto con l'acqua per il settore alimentare, tessile, cartario, automazione industriale e ovunque siano richieste resistenza alle aggressioni ambientali e affidabilità.

### Applications:

Suitable for environments into which moisture accumulates, power transmission in water, food processing equipment, office printing and textile machines, as well as places where resistance to environmental attacks and reliability are required.

Chain performance refer to ISO JIS, ANSI standard.



Catene Nichelate  
Catene Zincate  
Nickel-plated chains  
Zinc-plated chains



Catene in acciaio  
Standard  
Normal Chains



## Trattamento superficiale Dacromet / Dacromet-plated

**CARATTERISTICHE:**

- **Colore:** Bianco chiaro
- **Resistenza alla Temperatura:** trattamento superficiale fino a 250° C
- **Carico Ammissibile:** Pari alle Catene standard Maggiore resistenza rispetto alle catene Inox, nessun fenomeno di infrangimento in presenza di idrogeno
- **Resistenza alla usura:** pari alle catene standard
- **Resistenza alla Ossidazione:** In confronto ai trattamenti superficiali elettrochimici

CATENE	METODO	DURATA
TRATT. SUP. ELETROCHIMICO	NEBBIA SALINA	48-96
CATENA PROTETTA	NEBBIA SALINA	300-1000

**FEATURE:**

- **Color:** light white
- **Temperature tolerance:** high temperature resistance of the chain coat up to 250° C
- **Allowable load:** same as normal chains (higher strength than stainless steel chains, no hydrogen breaking like electroplate chain)
- **Wear resistance:** Same as normal chains
- **Antirust:** compare with electroplate chains

ITEMS	ANTIRUET TEST METHOD	DUARABLE TIME (HOUR)
ELECTROPLATE CHAIN	SALT FOG	48-96
HIGHGUARD CHAIN	SALT FOG	300-1000

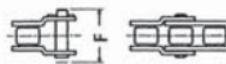
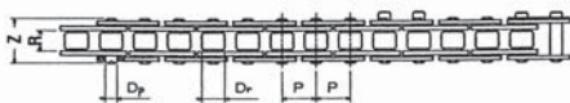
## Catene a rulli, con trattamento di nichelatura superficiale / Roller Chains, with Superficial Nickel-plated Treatment

Catene da trasporto leggero

Light transport chains

Trattasi di catene trattate superficialmente e con caratteristiche di resistenza all'ossidazione ed alla corrosione, assai vicine, come efficacia, alla qualità delle catene INOX, rispetto alle quali però, presentano carichi di rottura e di lavoro, assai più elevate, uguali, per resistenza, a quelle in acciaio legato e/o al carbonio. Dette catene, sono da impiegarsi in condizioni ambientali assai difficili, in presenza di agenti aggressivi, ed nei casi in cui, la sollecitazione alla resistenza ad attacchi di liquidi ed acidi, renda necessaria una protezione superficiale dei componenti, pur non alterandone le connotazioni tecnomeccaniche.

*These chains are treated on the surface to increase their resistance to corrosion and oxidation, becoming in this way very similar to stainless steel types. The most important difference from those is their greater capacity of standing higher breaking load and loads, quality that usually belong to steel and/or carbon chains. These chains are usually assembled in very difficult working conditions, where aggressive agents are present or when the resistance against acids and liquids involves a superficial protection of components (techno-mechanics characteristics do not change).*



Giunto con caviglie  
Connecting link with split pins

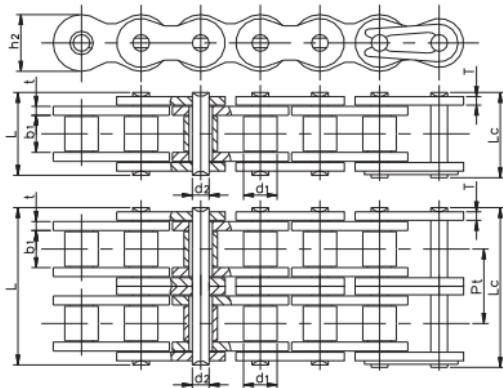


Maglia laterale  
(a 3 ruoli)  
Three rollers offset link

### SERIE EUROPEA / EUROPEAN SERIES

ISO N°	Passo Pitch mm	Diam. ruolo max Max roller diam. Dr mm	Largh. int. min. Width between plates H mm	Diam. pemo max Max pin diam. Dp mm	Altezza piastre max Inner plate depth Y mm	Largh. catena ribat. max Width over connecting pins Z mm	Ingbimbo catena max Width over bearing pins F mm	Superf. di lavoro Working surface mm²	Carico medio di rottura Medium breaking load N	Peso approx Approx. weight Kg/m
<b>06B1</b>	9,525	6,35	5,72	3,28	8,26	12,8	19	28	9.500	0,39
<b>08B1</b>	12,70	8,51	7,75	4,45	11,81	16,5	24	50	17.950	0,69
<b>10B1</b>	15,875	10,16	9,65	5,08	14,73	19,1	27	69	22.900	0,88
<b>12B1</b>	19,05	12,07	11,68	5,72	16,13	22,5	30	89	27.000	1,21
<b>16B1</b>	24,40	15,88	17,02	8,28	21,08	34,6	46	210	61.000	2,62

## Catene a rulli esenti da lubrificazione / Lubrication free Roller Chains



Bussola sinterizzata  
esente da lubrificazione  
Lubrication free sintered  
bush

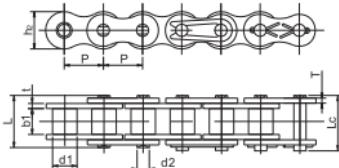
## SERIE AMERICANA / AMERICAN SERIES

Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribidita Pin length	Altezza piastra Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso aprox. Weight per meter	
		$d_1$ max	$b_1$ min	$d_1$ max	$L$ max			$t/T$	$P_t$	$Q$ min	
		mm	mm	mm	mm			mm	mm	KN/LB	
08SLR	12.70	8.51	7.75	4.45	16.7	18.2	11.80	1.6	—	18.0/4091	0.69
08SLRF1	12.70	8.51	7.75	4.45	17.3	18.7	11.80	1.6	—	18.0/4091	0.72
10SLR	15.875	10.16	9.65	5.08	19.5	20.9	14.70	1.7	—	22.4/5091	0.93
10SLRF1	15.875	10.16	9.65	5.08	19.9	21.6	14.70	1.7	—	22.4/5091	0.97
12SLR	19.05	12.07	11.68	5.72	22.5	24.2	16.00	1.85	—	29.0/6591	1.15
12SLRF1	19.05	12.07	11.68	5.72	22.9	24.7	16.00	1.85	—	29.0/6591	1.19
16SLR	25.40	15.88	17.02	8.28	36.1	37.4	21.00	4.15/3.10	—	60.0/13636	2.71
16SLRF1	25.40	15.88	17.02	8.28	36.7	39.7	21.00	4.15/3.10	—	60.0/13636	2.73
40SLR	12.70	7.95	7.85	3.96	16.6	17.8	12.00	1.5	—	14.1/3205	0.62
50SLR	15.875	10.16	9.40	5.08	20.7	22.2	15.09	2.03	—	22.0/5045	1.02
60SLR	19.05	11.91	12.57	5.94	27.5	29.3	18.00	3.25/3.42	—	34.2/7772	1.65
80SLR	25.40	15.88	15.75	7.92	32.7	35.0	24.00	3.25	—	56.7/12886	2.60
08SLR-2	12.70	8.51	7.75	4.45	31.2	32.2	11.80	1.6	13.92	32.0/7273	1.34
10SLR-2	15.875	10.16	9.65	5.08	36.1	37.5	14.70	1.7	16.59	44.5/10114	1.84
12SLR-2	19.05	12.07	11.68	5.72	42.0	43.6	16.00	1.85	19.46	57.8/13136	2.31
16SLR-2	25.40	15.88	17.02	8.28	68.0	69.3	21.00	4.15/3.10	31.88	106.0/24091	5.42
40SLR-2	12.70	7.95	7.85	3.96	31.0	32.2	12.00	1.5	14.38	28.2/6409	1.12
50SLR-2	15.875	10.16	9.40	5.08	38.9	40.4	15.09	2.03	18.11	44.4/10091	2.00
60SLR-2	19.05	11.91	12.57	5.94	50.3	52.1	18.00	3.25/3.42	22.78	68.4/15544	3.21
80SLR-2	25.40	15.88	15.75	7.92	62.7	64.3	24.00	3.25	29.29	113.4/25773	5.15

## Catene in acciaio inox / Stainless Steel Chains

Le Catene in Acciaio inossidabile sono adatte ad applicazioni che richiedono elevata resistenza termica ( da -20°C a +400° C ), resistenza alla corrosione e pulizia. Possono essere dotate di attacchi a seconda dell'applicazione

Stainless Steel Chains are suitable for applications that require high temperature resistance ( -20° C +400° C ), corrosion resistance and cleanliness. They can also be equipped with attachments for conveyor purpose.



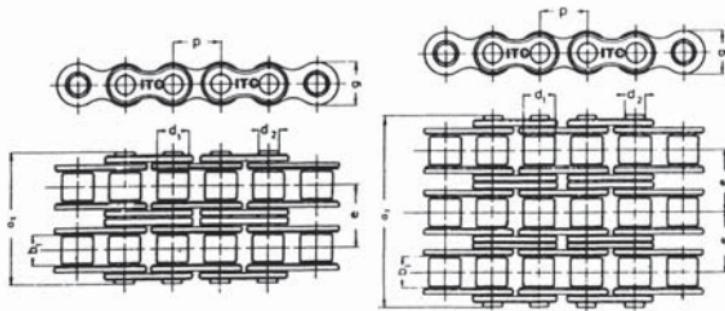
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastre Inner plate depth	Spessore piastre Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
		P	d1 max	b1 min	d2 max	L max	Lc max			
		mm	mm	mm	mm	mm	mm			
*25SS	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80	2.50	0.15
*35SS	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	5.50	0.33
40SS	12.70	7.95	7.85	3.96	16.60	17.80	12.20	1.50	9.70	0.63
41SS	12.70	7.77	6.25	3.58	13.75	15.00	9.910	1.30	6.00	0.46
50SS	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.06	15.3	1.03
60SS	19.05	11.91	12.57	5.94	25.90	27.70	18.00	2.44	21.8	1.51
80SS	25.40	15.88	15.75	7.92	32.70	35.00	24.00	3.26	38.9	2.60
100SS	31.75	19.05	18.90	9.53	40.40	44.70	30.00	4.00	59.0	3.94
120SS	38.10	22.23	25.22	11.10	50.30	54.30	35.70	4.80	72.5	5.72
140SS	44.45	25.40	25.22	12.70	54.40	59.00	41.00	5.60	94.0	7.70
04BSS	6.00	4.00	2.80	1.85	6.80	7.80	5.00	0.60	2.00	0.11
05BSS	8.00	5.00	3.00	2.31	8.20	8.90	7.10	0.80	3.50	0.20
#06BSS	9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	6.20	0.41
08BSS	12.70	8.51	7.75	4.45	16.70	18.20	11.80	1.60	12.0	0.70
10BSS	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	14.5	0.94
12BSS	19.05	12.07	11.68	5.72	22.50	24.20	16.00	1.85	18.5	1.16
16BSS	25.40	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.10	40.0	2.13
20BSS	31.75	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	59.0	3.73
24BSS	38.10	25.40	25.40	14.63	53.40	57.80	33.20	6.0/4.8	104.0	7.20
32BSS	50.80	29.21	30.99	17.81	66.00	71.00	42.00	7.0/6.0	150.0	10.22

Catene a Bussole: d1 indica il diametro esterno della bussola

Bushing: d1 the table indicates the external diameter of the bushing

Catene a Piastre diritte: per le dimensioni delle catene a passo lungo in acciaio inox, vedere le catene standard; per le dimensioni delle catene doppie e triple in acciaio inox vedere le catene standard  
 Straight side plates chains: for the dimension of double pitch stainless steel chains refer to standard chains; for the dimension of triple strand stainless steel chains refer to standard chains

## Catene a rulli in acciaio "inox aisi 304" / "Aisi 304" Stainless Steel Roller Chains



Catena a rulli doppia - DIN 8187 "AISI 304"  
Double strand roller Chain - DIN 8187 "ASI 304"

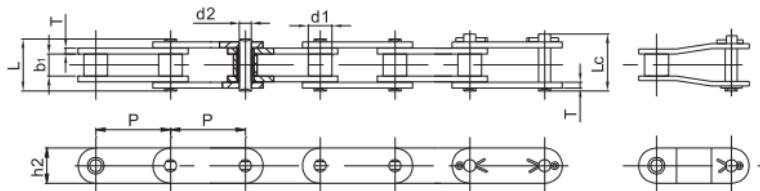
ISO N°	P		b1	d2	d1	a2	g	e	Fb	q
	mm	inch	mm min.	mm	min max	mm max	min max	mm	mm N	kg/m ≈
06B-2	9,525	3/8"	5,72	3,28	6,35	23,8	8,26	10,24	10.000	0,78
08B-2	12,70	1/2"	7,75	4,45	8,51	21,0	11,81	13,92	20.000	1,35
10B-2	15,875	5/8"	9,65	5,08	10,16	36,2	14,73	16,59	24.000	1,85
12B-2	19,05	3/4"	11,68	5,72	12,07	42,2	16,13	19,46	31.000	2,50
16B-2	24,40	1"	17,02	8,28	15,88	68,0	21,08	31,88	68.000	5,40

Catena a rulli tripla - DIN 8187 "AISI 304"  
Triple strand roller Chain - DIN 8187 "ASI 304"

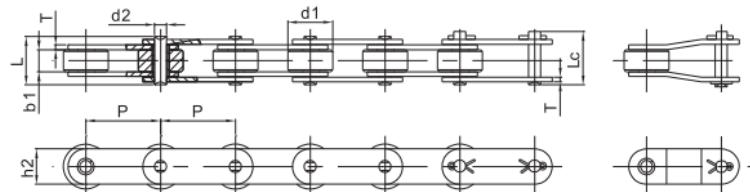
ISO N°	P		b1	d2	d1	a2	g	e	Fb	q
	mm	inch	mm min.	mm	min max	mm max	min max	mm	mm N	kg/m ≈
06B-3	9,525	3/8"	5,72	3,28	6,35	34,0	8,26	10,24	14.000	1,2
08B-3	12,70	1/2"	7,75	4,45	8,51	44,9	11,81	13,92	30.000	2,0
10B-3	15,875	5/8"	9,65	5,08	10,16	52,8	14,73	16,59	38.000	2,8
12B-3	19,05	3/4"	11,68	5,72	12,07	61,7	16,13	19,46	52.000	3,8
16B-3	24,40	1"	17,02	8,28	15,88	99,9	21,08	31,88	99.000	8,0

Catene da trasporto a passo lungo in acciaio inossidabile / Double Pitch Stainless Steel Conveyor Chains

Rullo Standard / Small Roller type

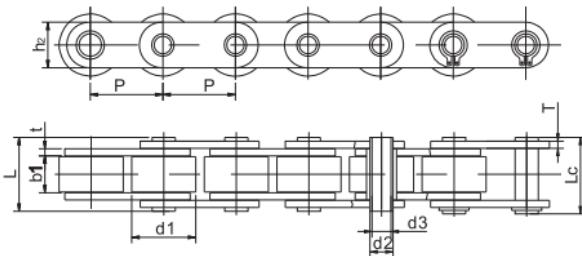


Rullo Maggiорato / Large Roller type



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribattuta Pin length		Altezza piastre Inner plate depth	Spessore piastre Plate thickness	Carico di rotura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d1 max	b1 min	d2 max	L max	Lc max			Q min	q m
	mm	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m
C2040SS	25.40	7.95	7.85	3.96	16.6	17.8	12.0	1.50	9.6	0.51
C2042SS		15.88								0.85
C2040HSS	25.40	7.95	7.85	3.96	18.8	19.9	12.0	2.03	9.6	0.66
C208BSS	25.40	8.51	7.75	4.45	16.7	18.2	11.8	1.60	12.0	0.56
C208BLSS		15.88								0.90
C2050SS	31.75	10.16	9.40	5.08	20.7	22.2	15.0	2.03	15.2	0.79
C2052SS		19.05								1.29
C2060SS	38.10	11.91	12.57	5.94	25.9	27.7	18.0	2.42	21.7	1.13
C2062SS		22.23								1.63
C2060HSS	38.10	11.91	12.57	5.94	29.2	31.6	18.0	3.25	21.7	1.46
C2062HSS		22.23								3.10
C2080SS	50.80	15.88	15.75	7.92	32.7	36.5	24.0	3.25	38.9	2.11
C2082SS		28.58								3.16
C2080HSS	50.80	15.88	15.75	7.92	36.2	39.4	24.0	4.0	38.9	2.57
C2082HSS		28.58								3.63
C2100SS	63.50	19.05	18.90	9.53	40.4	44.7	30.0	4.0	60.0	3.05
C2102SS		39.67								4.89
C2100HSS	63.50	19.05	18.90	9.53	43.6	46.9	30.0	4.8	60.0	3.61
C2102HSS		39.67								5.45

## Catena da trasporto a passo lungo perno forato in acciaio inox / Stainless Steel Hollow Pin Chains



Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter		Largh. catena ribadita Pin length		Altezza piastre Inner plate depth	Spessore piastre Plate thickness	Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per meter
	P	d1 max	b1 min	d2 max	d3 min	L max	Lc max			Q min	q m
	mm	mm	mm	mm	mm	mm	mm	mm	mm	KN	Kg/m
C2042HPSS	25.40	15.88	7.85	5.63	4.00	16.5	17.6	12.0	1.50	7.70	0.79
C2052HPSS	31.75	19.05	9.53	7.22	5.12	20.5	21.8	15.0	2.03	14.3	1.27
C2062HPSS	38.10	22.23	12.70	8.31	6.00	25.8	26.8	17.0	2.42	16.8	1.74
C2082HPSS	50.80	28.58	15.75	11.40	8.05	32.4	33.8	24.0	3.25	35.0	2.86
C2042H-HPSS	25.40	15.88	7.85	5.63	4.00	18.8	19.9	12.0	2.03	7.70	0.96
C2052H-HPSS	31.75	19.05	9.53	7.22	5.12	22.1	23.4	15.0	2.42	14.3	1.46
C2062H-HPSS	38.10	22.23	12.70	8.31	6.00	29.2	30.2	17.0	3.25	16.8	2.02
C2082H-HPSS	50.80	28.58	15.75	11.40	8.05	36.2	37.6	24.0	4.00	35.0	3.30
P200HBaSS-F	200.0	90.00	32.98	43.00	35.20	-	59.0	64.0	4.00	30.0	9.40

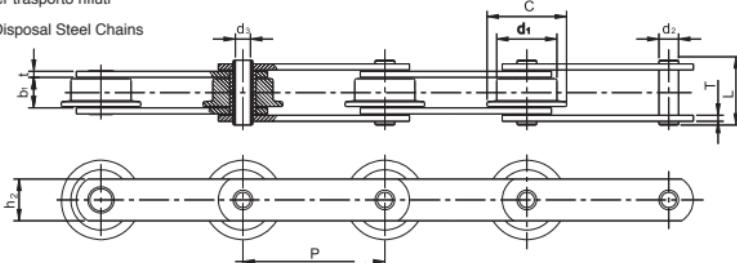
Nota: Rullo flangiato

Note: Flange roller

## Catene per trasporto rifiuti / Sewage Disposal Steel Chains-715 Stainless Steel Chains

Catene per trasporto rifiuti

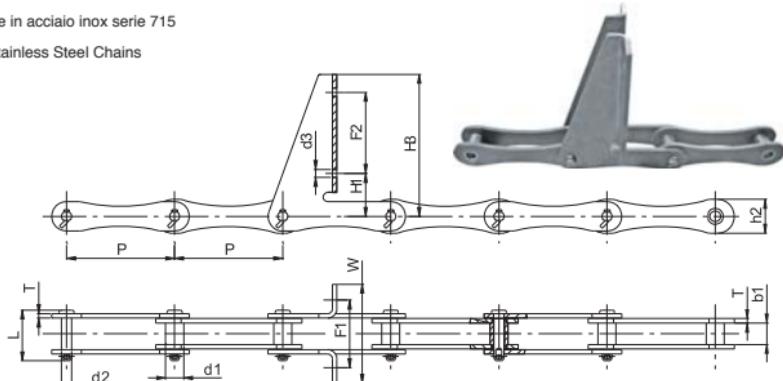
Sewage Disposal Steel Chains



Catena Chain No.	Passo Pitch	Larghezza interna width between inner plates		Diam. Rullo Roller diameter		Dimensioni Perno Pin dimensions		Largh. catena ribadita Pin length	Dimensioni piastre Plate dimensions			Carico di rottura min. Ultimate tensile strength		Carico di rottura medio Average tensile strength $Q_0$	Peso aprox. Weight per meter $q$ $=$ $\text{kg/m}$
		$b_1$ min	$d_1$ max	$C$ max	$d_2$ max	$d_3$ max	$L$ max		$h_2$ max	$T$ max	$t$ max	$Q$ min			
		mm	mm	mm	mm	mm	mm		mm	mm	mm	kN			
W152	152.4	25.40	66.7	85.7	27.1	20.0	58.8	50.0	5.0	7.0	110.0	122.1		10.50	

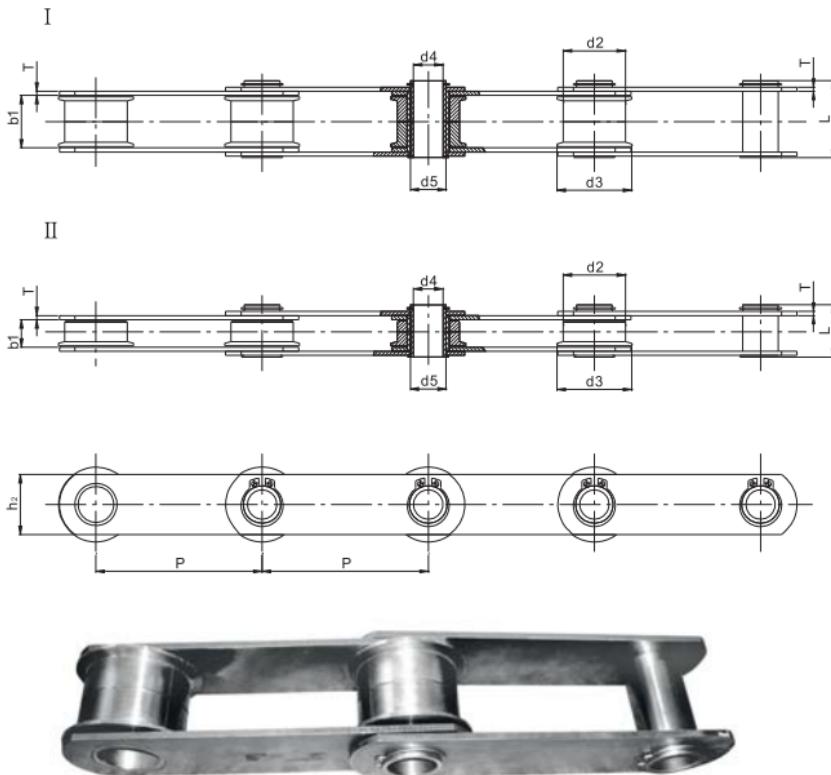
Catene in acciaio inox serie 715

715 Stainless Steel Chains



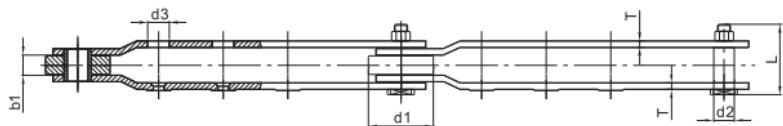
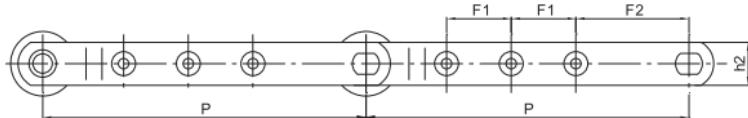
Catena Chain No.	Passo Pitch	Diametro bussola Bush Dimensions	Larghezza interna Width between inner plates	Altezz a piastre Plate depth	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre e attacchi Plate and accessory dimensions						Spessore piasta Plate thickness	Carico di rottura min. Ultimate tensile strength $Q$ $\text{min}$ $\text{kN}$
		$d_1$ max	$b_1$ min	$h_2$	$d_2$ max	$L$ max	$d_3$	$W$	$F_1$	$H_3$	$H_1$	$F_2$		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
715SS-F228-10LK2	152.4	25.4	30.23	47.75	14.22	71.75	11.18	139.7	95.25	200.15	60.45	114.3	6.35	146.8
715SS-F226-10LK2	152.4	25.4	30.23	47.75	14.22	71.63	11.18	139.7	95.25	157.7	60.45	66.8	6.35	146.8

## Catene con trattamento anticorrosivo / Water Treatment Stainless Steel Chains



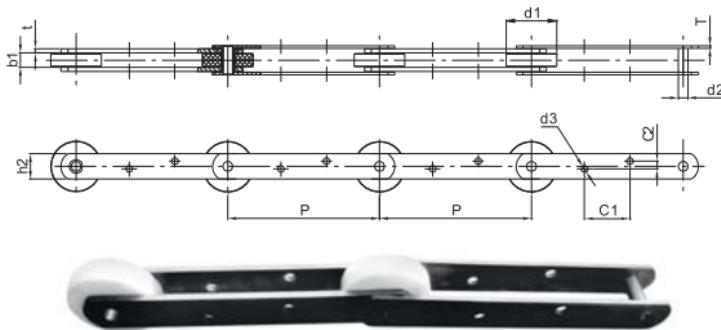
Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter		Diametro Perno Pin diameter		Largh. catena ribadita Pin length	Altezza piastre Inner plate depth	Spessore piastra Plate thickness	Carico di rottura min. Ultimate tensile strength	Tipo Type
			P	b1 min	d2 max	d3 max					
			mm	mm	mm	mm	mm	mm	mm	KN	
P200HSS-SP-F	200	62.98	75	90	35.2	43	93.1	72	5	30	I
P200HBaSS-F	200	33	75	90	35.2	43	59	64	4	30	II
P200HBbSS-F	200	33	75	90	35.5	43	63.14	72	5	30	II

Catene con trattamento anticorrosivo / Water Treatment Stainless Steel Chains

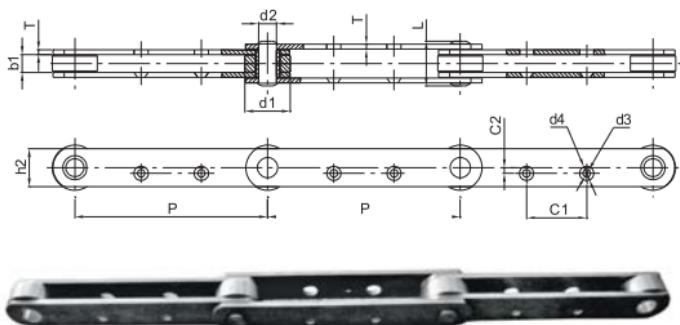


Catena No.	Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo	Diametro Perno	Larg. catena ribadita	Dimensioni piastre					Carico di rottura min. Ultimate tensile strength
			Roller diameter	Pin diameter	Pin length	Plate dimensions					
	P	b <sub>1</sub> min	d <sub>1</sub> max	d <sub>2</sub> max	L max	h <sub>2</sub> max	T	d <sub>3</sub>	F <sub>1</sub>	F <sub>2</sub>	Q min
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN
P300SS(W)-1LGK-3	300.0	19	60	19.05	65.8	40	6	20	60	105	64

## Catene con trattamento anticorrosivo / Water Treatment Stainless Steel Chains



Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Diametro Perno Pin diameter	Dimensioni piastre Plate dimensions						Carico di rottura min. Ultimate tensile strength	
					Dimensioni piastre Plate dimensions							
					$P$	$b_1$ min	$d_1$ max	$d_2$ max	$h_2$ max	T		
P300SS-1LGK-2	300.0	29	100	19.05	50	5	8	13	90	15.5	78.8	kN



Catena Chain No.	Passo Pitch	Larghezza interna Width between inner plates	Diam. Rullo Roller diameter	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Dimensioni piastre Plate dimensions						Carico di rottura min. Ultimate tensile strength	
						Dimensioni piastre Plate dimensions							
						$P$	$b_1$ min	$d_1$ max	$d_2$ max	L max	$h_2$ max	T	$o_3$
P203.2SS-1LGK-2	203.2	19.05	47.6	19.05	47.5	40	5	8.3	15	63.5	6	66.74	kN



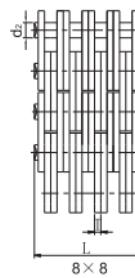
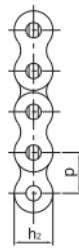
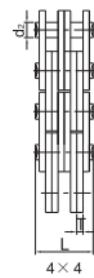
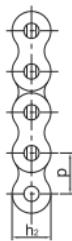
# CATENE FLEYER

## LEAF CHAINS

8



Composizione piastre / Leaf Chains Plates Lacing type



## Catene fleyer serie AL / AL Leaf Chains Series

Catena ANSI ANSI Chain No.	Passo Pitch	Composizione piastre Plates lacing	Altezza piastra Plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter
	P		$h_2$ max	T	$d_2$ max	L max	Q min	$Q_0$	q =
	mm			mm	mm	mm	kN	kN	kg/m
AL422	12.70	2 × 2	10.40	1.50	3.96	7.90	14.10	16.90	0.39
AL444		4 × 4				14.40	28.20	35.20	0.74
AL466		6 × 6				20.50	42.30	52.70	1.10
AL522	15.875	2 × 2	12.80	2.06	5.08	10.30	22.00	27.50	0.61
AL544		4 × 4				18.90	44.00	55.00	1.19
AL566		6 × 6				26.90	66.00	82.50	1.79
AL622	19.05	2 × 2	15.60	2.44	5.94	12.40	37.00	44.40	0.86
AL644		4 × 4				22.70	64.00	76.80	1.69
AL666		6 × 6				32.40	101.00	121.20	2.52
AL822	25.40	2 × 2	20.50	3.26	7.92	16.00	56.70	68.60	1.54
AL844		4 × 4				29.40	113.40	135.60	3.00
AL866		6 × 6				42.50	170.00	202.30	4.46
AL1022	31.75	2 × 2	25.60	4.00	9.53	19.60	88.50	107.10	2.37
AL1044		4 × 4				35.90	177.00	203.60	4.68
AL1066		6 × 6				52.30	265.00	315.80	7.00
AL1222	38.10	2 × 2	30.50	4.80	11.10	24.30	127.00	151.10	3.65
AL1244		4 × 4				43.80	254.00	299.70	7.05
AL1266		6 × 6				63.00	381.00	426.30	10.44
AL1422	44.45	2 × 2	36.40	5.65	12.70	28.07	151.23	182.37	4.79
AL1444		4 × 4				51.30	372.70	413.60	10.34
AL1466		6 × 6				74.56	559.00	620.40	15.16
AL1622	50.80	2 × 2	41.60	6.45	14.27	32.94	191.26	231.13	5.98
AL1644		4 × 4				58.06	471.00	522.80	12.98
AL1666		6 × 6				84.46	706.00	783.60	19.41

## Catene fleyer serie LL / LL Light Series Leaf Chains Series

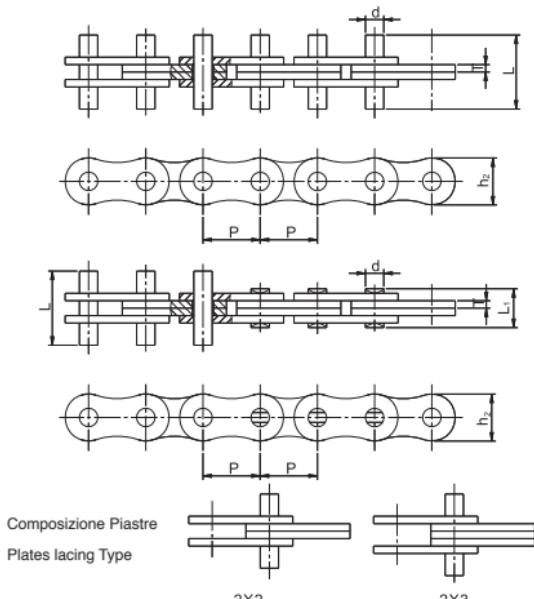
Catena ISO ISO Chain No.	Passo Pitch	Composizione piastre	Altezza piastra Plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Carico di rottura min. ISO Ultimate tensile strength ISO	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter
		P							
	mm		mm	mm	mm	mm	kN	kN	kg/m
LL0822	12.70	2 × 2	10.92	1.30	4.45	7.60	17.80	20.40	0.40
LL0844		4 × 4					13.00	31.10	0.80
LL0866		6 × 6					18.40	44.50	1.20
LL1022	15.875	2 × 2	13.72	1.65	5.08	9.30	22.20	25.50	0.50
LL1044		4 × 4					16.10	44.50	1.00
LL1066		6 × 6					22.90	66.70	1.50
LL1222	19.05	2 × 2	16.13	1.90	5.72	10.70	28.90	33.20	0.70
LL1244		4 × 4					18.50	57.80	1.30
LL1266		6 × 6					26.30	86.70	2.00
LL1622	25.40	2 × 2	21.08	3.20	8.28	17.20	58.00	66.70	1.50
LL1644		4 × 4					30.20	116.00	3.00
LL1666		6 × 6					43.20	174.00	4.40
LL2022	31.75	2 × 2	26.42	3.70	10.19	20.10	95.00	109.20	2.30
LL2044		4 × 4					35.10	190.00	4.40
LL2066		6 × 6					50.10	285.00	6.60
LL2422	38.10	2 × 2	33.40	5.20	14.63	28.40	170.00	195.50	4.40
LL2444		4 × 4					49.40	340.00	8.50
LL2466		6 × 6					70.40	510.00	12.50
LL2822	44.45	2 × 2	37.08	6.45	15.90	34.00	200.00	224.00	5.40
LL2844		4 × 4					60.00	400.00	10.50
LL2866		6 × 6					86.00	600.00	15.50
LL3222	50.80	2 × 2	42.29	6.45	17.81	35.00	260.00	291.20	6.20
LL3244		4 × 4					61.00	520.00	12.10
LL3266		6 × 6					87.00	780.00	18.00
LL4022	63.50	2 × 2	52.76	8.25	22.89	44.70	360.00	403.20	10.30
LL4044		4 × 4					77.90	780.00	20.00
LL4066		6 × 6					111.10	1080.00	29.50
LL4822	76.20	2 × 2	63.88	10.30	29.24	56.10	560.00	627.20	18.50
LL4844		4 × 4					97.40	1120.00	35.70
LL4866		6 × 6					138.90	1680.00	53.00

## Catene fleyer serie BL / LH(BL) Heavy Series Leaf Chains Series

Catena ISO ISO Chain No.	ANSI Catena ANSI Chain No.	Passo Pitch	Composizione piastre	Altezza piastra Plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Largh. catena ribadita Pin length	Carico di rottura min. ISO Ultimate tensile strength ISO	Carico di rottura medio ISO Average tensile strength	Peso aprox. Weight per meter
			P							
		mm	mm	mm	mm	mm	mm	mm	kN	kg/m
LH0822	BL422	12.70	2 × 2	12.07	2.08	5.09	11.05	22.20	27.60	0.60
LH0823	BL423		2 × 3				13.16	22.20	27.60	0.75
LH0834	BL434		3 × 4				17.40	33.40	41.40	1.03
LH0844	BL444		4 × 4				19.51	44.50	56.00	1.17
LH0846	BL446		4 × 6				23.75	44.50	56.00	1.46
LH0866	BL466		6 × 6				27.99	66.70	81.70	1.74
LH0888	BL488		8 × 8				36.45	89.00	109.40	2.33
LH1022	BL522	15.875	2 × 2	15.09	2.44	5.96	12.90	33.40	42.80	0.95
LH1023	BL523		2 × 3				15.37	33.40	42.80	1.17
LH1034	BL534		3 × 4				20.32	48.90	63.60	1.63
LH1044	BL544		4 × 4				22.78	66.70	84.50	1.85
LH1046	BL546		4 × 6				27.74	66.70	84.50	2.31
LH1066	BL566		6 × 6				32.69	100.10	125.10	2.76
LH1088	BL588		8 × 8				42.57	133.40	169.50	3.67
LH1222	BL622	19.05	2 × 2	18.11	3.30	7.94	17.37	48.90	63.60	1.55
LH1223	BL623		2 × 3				20.73	48.90	63.60	1.92
LH1234	BL634		3 × 4				27.43	75.60	102.60	2.67
LH1244	BL644		4 × 4				30.78	97.90	122.30	3.02
LH1246	BL646		4 × 6				37.49	97.90	122.30	3.75
LH1266	BL666		6 × 6				44.20	146.80	190.80	4.50
LH1288	BL688		8 × 8				57.61	195.70	238.80	6.01
LH1622	BL822	25.40	2 × 2	24.13	4.09	9.54	21.34	84.50	108.20	2.43
LH1623	BL823		2 × 3				25.48	84.50	108.20	3.02
LH1634	BL834		3 × 4				33.76	129.00	143.60	4.20
LH1644	BL844		4 × 4				37.90	169.00	214.60	4.77
LH1646	BL846		4 × 6				46.18	169.00	214.60	5.90
LH1666	BL866		6 × 6				54.46	253.60	324.50	7.10
LH1688	BL888		8 × 8				71.02	338.10	432.70	9.43
LH2022	BL1022	31.75	2 × 2	30.18	4.90	11.11	25.37	115.60	146.80	3.60
LH2023	BL1023		2 × 3				30.33	115.60	146.80	4.50
LH2034	BL1034		3 × 4				40.23	182.40	231.60	6.25
LH2044	BL1044		4 × 4				45.19	231.30	291.40	7.10
LH2046	BL1046		4 × 6				55.09	231.30	291.40	8.90
LH2066	BL1066		6 × 6				65.00	347.00	430.30	10.60
LH2088	BL1088		8 × 8				84.81	462.60	555.10	14.10

## Catene fleyer serie BL / LH(BL) Heavy Series Leaf Chains Series

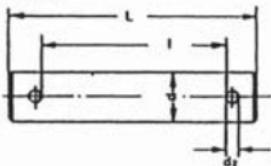
Catena ISO ISO Chain No.	Catena ANSI ANSI Chain No.	Passo	Composizione piastre	Altezza piastre	Spessore piastre	Diametro Perno	Largh. catena ribadita	Carico di rottura min. ISO Ultimate tensile strength	Carico di rottura medio	Peso aprox. Weight per meter
		P	Plates lacing	h <sub>1</sub> max	T	d <sub>2</sub> max	L max	Q min	Q <sub>0</sub>	q ≈
		mm			mm	mm	mm	kN	kN	kg/m
LH2422	BL1222	38.10	2 × 2	36.20	5.77	12.71	29.62	151.20	192.00	5,40
LH2423	BL1223		2 × 3				35.43	151.20	192.00	6,70
LH2434	BL1234		3 × 4				47.07	244.60	308.10	9,30
LH2444	BL1244		4 × 4				52.88	302.50	381.10	10,60
LH2446	BL1246		4 × 6				64.52	302.50	381.10	13,30
LH2466	BL1266		6 × 6				76.15	453.70	543.60	15,90
LH2488	BL1288		8 × 8				99.42	605.00	726.00	21,10
LH2822	BL1422	44.45	2 × 2	42.24	6.55	14.29	33.55	191.30	225.70	7,05
LH2823	BL1423		2 × 3				40.16	191.30	225.70	8,75
LH2834	BL1434		3 × 4				53.37	315.80	372.60	12,20
LH2844	BL1444		4 × 4				59.97	382.60	451.20	13,90
LH2846	BL1446		4 × 6				73.18	382.60	451.20	17,30
LH2866	BL1466		6 × 6				86.39	578.30	682.40	20,70
LH2888	BL1488		8 × 8				112.80	765.10	902.80	27,50
LH3222	BL1622	50.80	2 × 2	48.26	7.52	17.46	39.01	289.10	341.10	9,14
LH3223	BL1623		2 × 3				46.58	289.10	341.10	11,34
LH3234	BL1634		3 × 4				61.72	440.40	519.60	15,75
LH3244	BL1644		4 × 4				69.29	578.30	680.40	17,95
LH3246	BL1646		4 × 6				84.43	578.30	680.40	22,36
LH3266	BL1666		6 × 6				99.57	857.40	1000.70	26,77
LH3288	BL1688		8 × 8				129.84	1156.50	1364.60	35,60
LH4022	BL2022	63.50	2 × 2	60.33	9.91	23.81	51.74	433.70	511.70	15,80
LH4023	BL2023		2 × 3				61.70	433.70	511.70	19,80
LH4034	BL2034		3 × 4				81.61	649.40	766.20	27,70
LH4044	BL2044		4 × 4				91.57	867.40	1023.50	31,60
LH4046	BL2046		4 × 6				111.48	867.40	1023.50	39,50
LH4066	BL2066		6 × 6				131.39	1301.10	1535.20	47,40
LH4088	BL2088		8 × 8				171.22	1734.80	2046.50	63,20



Catena Chain No.	Passo Pitch	Composizione piastre Plates lacing	Altezza piastra Plate depth	Spessore piastra Plate thickness	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Carico di rottura min. Ultimate tensile strength	Peso aprox. Weight per kg/m
						L max	L <sub>1</sub> max		
	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
AL522a	15.875	2 × 2	13.03	2.06	5.08	20.50	-	24.50	0.77
AL522b						17.20	-	24.50	0.70
AL522WR-16						16.00	-	21.80	0.72
AL522WR-1 1.02/20.5						20.50	11.02	21.80	0.73
AL622a	19.05	2 × 2	15.62	3.26	5.94	23.30	16.30	44.10	1.07
AL622b				2.44	5.94		-	33.35	0.88
AL822a	25.40	2 × 2	20.83	3.26	7.92	30.00	-	55.60	1.73
BL622a	19.05	2 × 2	18.11	3.26	7.92	29.00	-	48.90	1.81
BL822a	25.40	2 × 2	24.13	-3.70 -4.09	9.54	36.00	-	169.00	2.82
BL823a		2 × 3		4.09		34.00	-	98.00	3.40
LL1022a	15.875	2 × 2	13.72	1.70	5.08	14.00	-	22.20	0.64

## Attacchi per catene fleyer -piastre interne / Attachments for Fleyer Chains-Inner Plates

Perno d'acciaio  
Steel pin



Catene d'attacco per catene fleyer

Attachment pins for fleyer chains

Catena Tipo Type	L max mm	l min mm	d max mm	d2 mm
AL 422	15,00	10,00	3,96	1,20
AL 444	22,00	16,00	3,96	1,20
AL 466	30,50	24,35	3,96	1,20
AL 488	35,50	30,45	3,96	1,20
BL422/AL522	15,00	9,00	5,08	1,60
BL423	17,40	9,30	5,08	1,60
BL434	23,00	18,00	5,08	1,60
BL444/AL544	25,00	19,00	5,08	1,60
BL446	32,00	23,00	5,08	1,60
BL466	29,00	25,00	5,08	1,60
BL466/AL566	33,50	27,50	5,08	1,60
BL488/AL588	41,80	35,80	5,08	1,60
BL522	17,00	10,50	5,94	2,00
BL523	19,00	12,00	5,94	2,00
BL534	27,70	17,50	5,94	2,00
BL544/AL644	29,00	22,50	5,94	2,00
BL546	33,50	27,10	5,94	2,00
BL566/AL666	36,50	28,90	5,94	2,00
BL566/AL666	39,00	32,00	5,94	2,00
BL588/AL688	49,30	43,10	5,94	2,00
BL623	25,50	17,50	7,92	3,20
BL634	32,50	23,50	7,92	3,20
BL634	37,80	27,00	7,92	3,20
BL644/AL844	34,50	26,00	7,92	3,20
BL546	42,00	33,50	7,92	3,20
BL546	47,4	36,60	7,92	3,20
BL666/AL866	53,50	43,00	7,92	3,20
AL888	61,00	52,00	7,92	3,20
BL588	67,00	56,20	7,92	3,20
BL622	28,00	18,00	9,53	3,20
BL623	35,50	26,00	9,53	3,20
BL834	40,70	30,00	9,53	3,20
AL1044	43,50	32,50	9,53	3,20

Catena Tipo Type	L max mm	l min mm	d max mm	d2 mm
BL834	43,80	34,00	9,53	3,20
BL844	47,80	37,10	9,53	3,20
BL846	52,00	41,50	9,53	3,20
BL846	57,00	46,00	9,53	3,20
BL866/AL1066	64,00	54,00	9,53	3,20
BL888	76,00	65,00	9,53	3,20
AL1088	80,00	70,00	9,53	3,20
BL1023	36,50	25,00	11,10	4,00
BL1034	49,50	35,00	11,10	4,00
BL1044/AL1244	51,50	40,50	11,10	4,00
BL1046	63,00	52,00	11,10	4,00
BL1066/AL1266	76,60	61,50	11,10	4,00
BL1088/AL1288	95,00	82,0	11,10	4,00
BL1223	42,00	29,00	12,70	4,00
BL1234	53,00	40,00	12,70	4,00
BL1244/AL1444	59,00	45,50	12,70	4,00
BL1246	71,00	56,00	12,70	4,00
BL1266/AL1466	82,00	68,00	12,70	4,00
BL1288/AL1488	111,00	99,00	12,70	4,00
BL1423	46,00	32,00	14,27	4,00
BL1434	59,50	45,00	14,27	4,00
BL1444	69,50	55,00	14,27	4,00
BL1446	84,00	65,00	14,27	4,00
BL1466	98,00	85,00	14,27	4,00
AL1666	100,90	93,00	14,27	4,00
AL1688	111,80	101,90	14,27	4,00
BL1623	55,80	38,00	17,46	5,00
BL1634	71,00	52,00	17,46	5,00
BL1644	78,00	61,00	17,46	5,00
BL1646	93,00	76,00	17,46	5,00
BL1666	112,00	95,20	17,46	5,00
BL1688	139,50	95,20	17,46	5,00

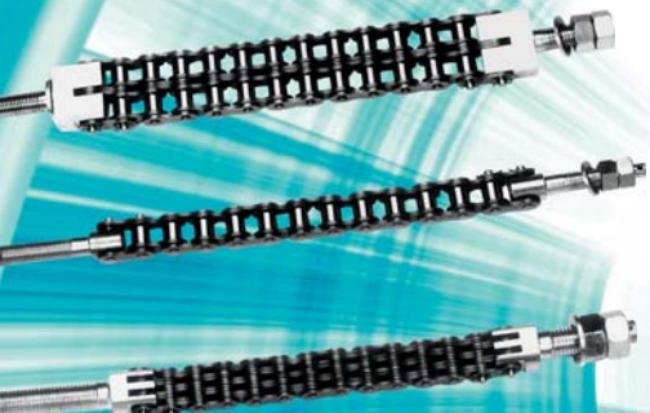
Nota: Tutte le dimensioni indicate sono espresse in mm.

Note: All dimensions are expressed in mm.

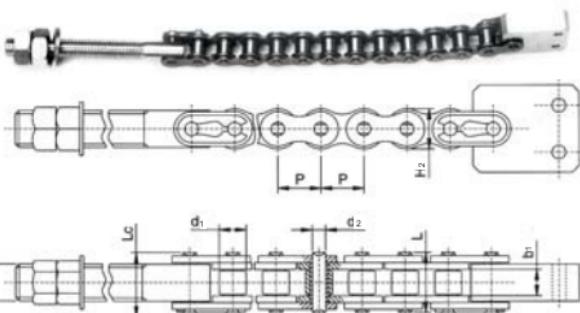
# CATENE PER SOLLEVAMENTO VEICOLI

## CAR PARKING CHAINS

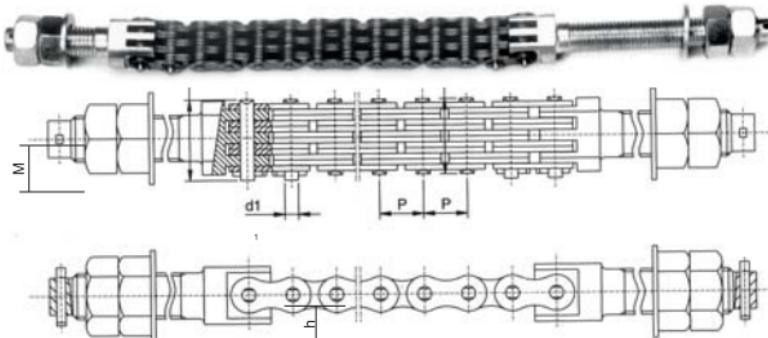
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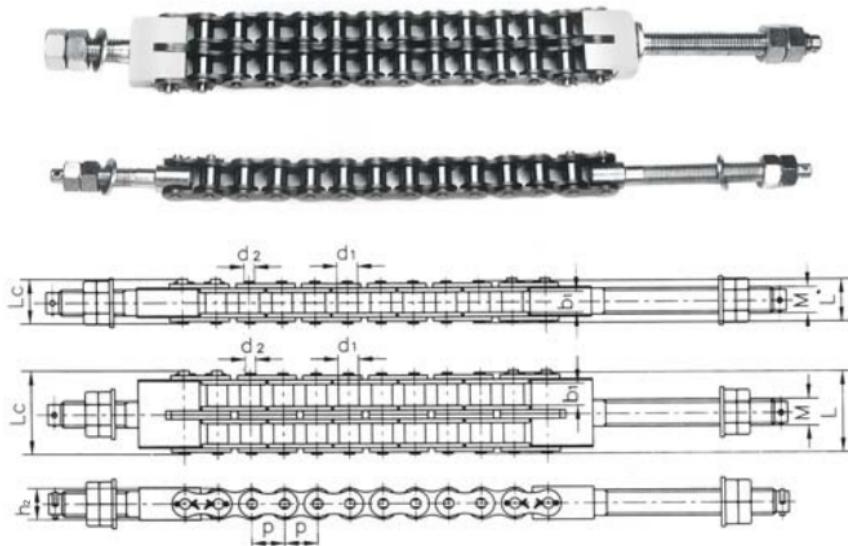
Catene per sollevamento veicoli / Car parking chains



Catena Chain No.	Passo Pitch	Diam. Ruolo Roller diameter	Larghezza Width between inner plates	Diametro Perno Pin diameter	Lagh. catena ribadita Pin length		Altezza piastre interne Inner plate depth	Bullone Type of bolt	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub> max	b <sub>1</sub>	d <sub>1</sub> max	L max	L <sub>c</sub> max					
	mm	mm	mm	mm	mm	mm					
LT40-1	12.70	7.95	7.85	3.96	16.55	18.20	12.07	M10	16.00	18.40	0.62



Catena Chain No.	Passo Pitch	Diametro Perno Pin diameter	Lagh. catena ribadita Pin length		Altezza piastre interne Inner plate depth	Bullone Type of bolt	Carico di rotura min. Ultimate tensile strength	Carico di rotura medio Average tensile strength	Peso aprox. Weight per meter
	P	d <sub>1</sub> max	L max	L <sub>c</sub> max					
	mm	mm	mm	mm					
LTAL666	19.05	5.94	32.69	35.10	15.62	M20	114	131	2.43



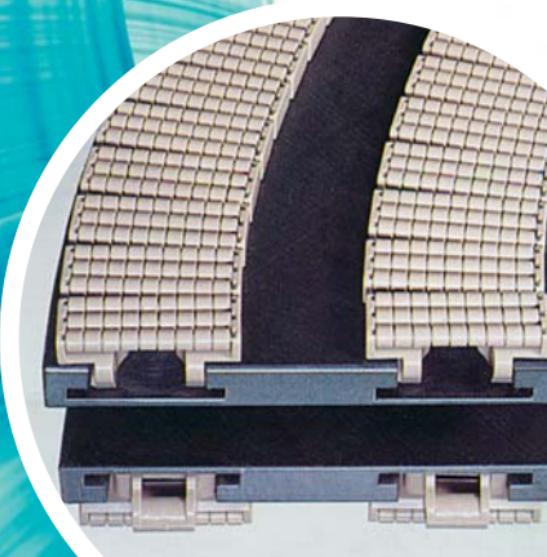
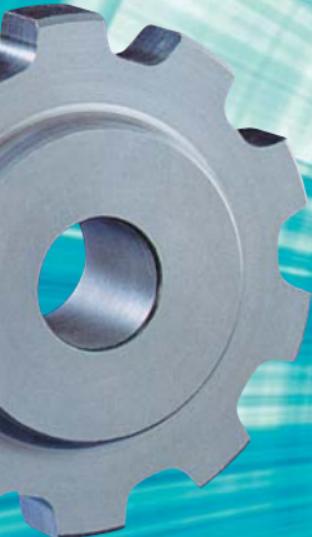
Catena Chain No.	Passo Pitch	Diam. Rullo Roller diameter	Larghezza interna Width between inner plates	Diametro Perno Pin diameter	Largh. catena ribadita Pin length		Altezza piastre interne Inner plate depth	Bullone Type of bolt	Carico di rottura min. Ultimate tensile strength	Carico di rottura medio Average tensile strength	Peso approx. Weight per meter
	$d_1$ max	$b_1$ min	$d_2$ max	L max	$L_c$ max	$h_2$ max	M nom	Q min	$Q_0$	q -	
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
LT80-1	25.40	15.88	15.75	7.92	32.7	36.5	24.0	M16/M20	71.55	81.8	2.60
LT80-2	25.40	15.88	15.75	7.92	62.7	65.8	24.0	M20	143.10	163.6	5.15
LT100-1	31.75	19.05	18.90	9.53	40.4	44.7	30.0	M24	107.85	120.0	3.91
LT100-2	31.75	19.05	18.90	9.53	76.4	80.5	30.0	M24	215.70	260.0	7.80
LT100-3	31.75	19.05	18.90	9.53	112.2	116.3	30.0	M24	323.55	345.0	11.77
LT120-1	38.10	22.23	25.22	11.10	50.3	54.3	35.7	M30	154.50	176.6	5.62



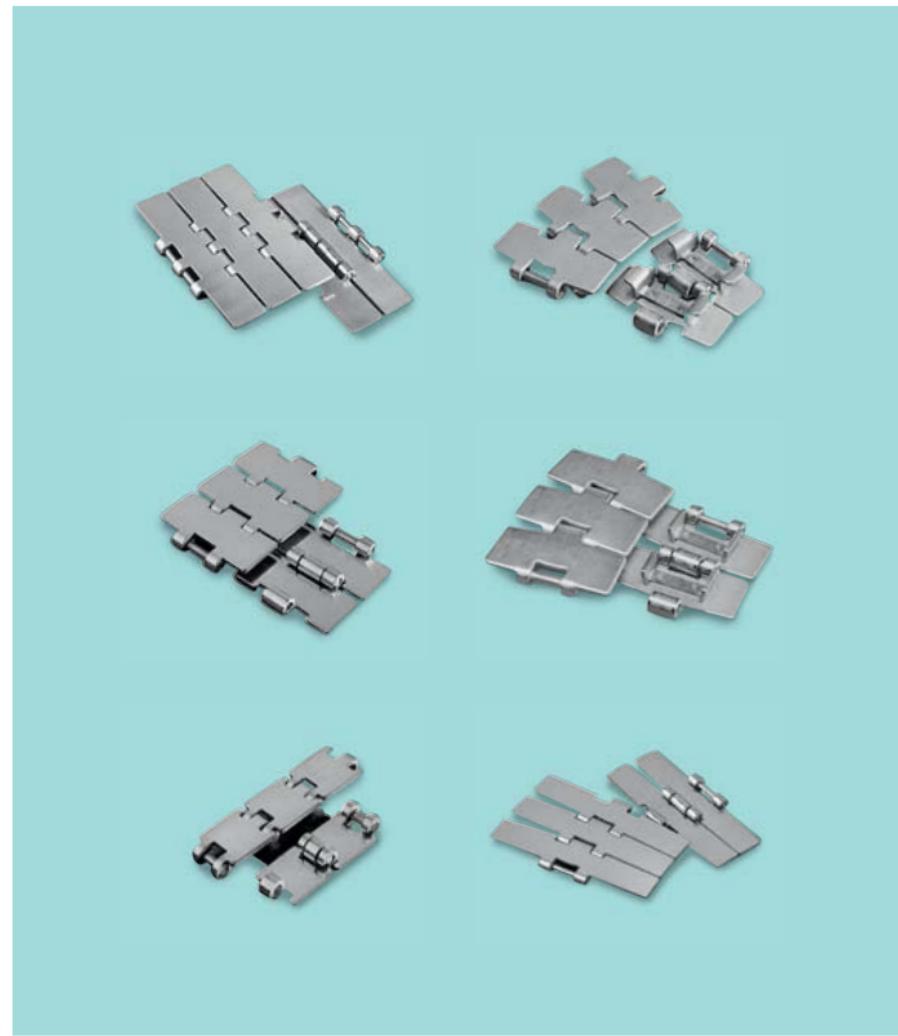
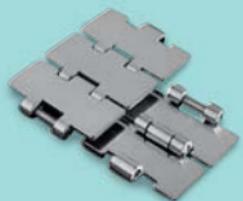
# CATENE TABLETOP

## TABLETOP CHAINS

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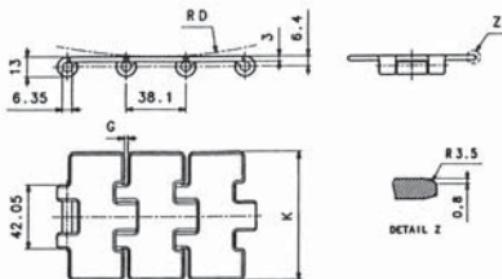
*Catene tabletop / Tabletop Chains*



## Rettilinee con tapparelle in acciaio "straight line top" "Straight Line Top" with steel flat-top chains

In funzione del tipo d'applicazione, le catene della linea "Straight line top" sono fornibili in materiali diversi. Per la resistenza più elevata all'usura, è preferibile la versione in Acciaio al carbonio bonificato (es. settori vetrario, ceramico e generalmente nei trasporti interni). Per particolari esigenze di resistenza all'usura, per impieghi ancor più probanti (percorsi abrasivi e velocità di scorrimento particolarmente elevate) è consigliata la versione in Acciaio carbo nitrate. Per l'industria dell'imballaggio invece è consigliata la versione in Acciaio inox ferritico, mentre per la massima resistenza a corrosione, è possibile fornire la versione in Acciaio inossidabile austenitico.

"Straight line top" chains can be supplied with different materials as per type of application. To obtain an higher resistance against wear the "hardened and tempered", carbon steel type should be used (ex. glass sector, tiles sector and inside transport). To even more heavy applications and to even more resistance against wear (very high sliding speeds and abrasive ways) the carbonitrided steel carbon version is recommended. For bottling industry the ferritic stainless steel type should be used, whereas for maximum resistance against corrosion the austentic stainless steel has to be mounted.



Materiale Material	Denominazione Ref.	Rif. ISO 4348 ISO Ref.	Carico rottura medio Medium breaking load Rm N	Carico snervamento medio Medium yield point Rp 0.2 N	Durezza a cuore Hardness HRC	Durezza superficiale Superficial Hardness HRC	Larghezza tapparelle Flat top chain width K mm	G mm	RD mm	Peso per unità di lunghezza Weight for unit of lenght Kg/m
<b>ACCIAIO AL CARBONIO BONIFICATO</b>	ES 815 K 2 <sup>1/2</sup> <sub>1/2</sub>	-	14.800	11.600	43	43	57.1	1.8	150	2.18
	ES 815 K 2 <sup>1/2</sup> <sub>1/2</sub>	-	14.800	11.600	43	43	66.7	1.8	150	2.40
<b>HARDENED AND TEMPERED CARBON STEEL</b>	ES 815 K 3 <sup>1/2</sup> <sub>1/2</sub>	C13S	14.800	11.600	43	43	82.6	1.8	150	2.73
	ES 815 K 3 <sup>1/2</sup> <sub>1/2</sub>	C14S	14.800	11.600	43	43	88.9	1.8	150	3.00
<b>ACCIAIO CARBONITRURATO CARBONITRIDED STEEL</b>	ES 815 K 4 <sup>1/2</sup> <sub>1/2</sub>	C16S	14.800	11.600	43	43	101.6	1.8	150	3.20
	ES 815 K 4 <sup>1/2</sup> <sub>1/2</sub>	C18S	14.800	11.600	43	43	114.3	1.8	150	3.48
	ES 815 K 6	C24S	14.800	11.600	43	43	152.4	1.8	150	4.38
	ES 815 K 7 <sup>1/2</sup> <sub>1/2</sub>	C30S	14.800	11.600	43	43	190.5	1.8	150	5.27
	SH 815 K 3 <sup>1/2</sup> <sub>1/2</sub>	C13S	11.700	9.200	40	60°	82.6	1.8	150	2.73
	SH 815 K 4 <sup>1/2</sup> <sub>1/2</sub>	C18S	11.700	9.00	40	60°	114.3	1.8	150	3.48

\* Durezza 90 HR 15N equivalenti a 60 HRC / Hardness 90 HR 15N equivalent to 60 HRC

Larghezze non indicate in tabella solo su richiesta / Width not indicated above available only under request

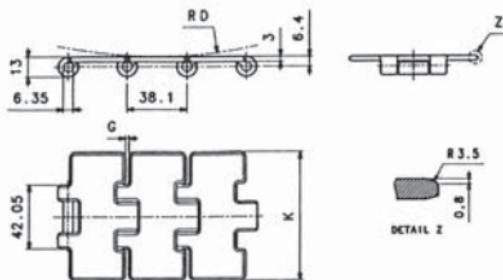
Fornite in confezioni da 80 passi (3.048 m)

Supplied in boxes of 80 pitches (3,048 m)

## Catene tabletop / Tabletop Chains

Rettilinee con tapparelle in acciaio "straight line top"

"Straight Line Top" with steel flat-top chains



Materiale Material	Denominazione Ref.	Rif. ISO ISO Ref.	Carico rottura medio Medium breaking load Rm N	Carico snervamento medio Medium yield point Rp 0,2 N	Durezza Hardness HRC	Rugosità Roughness Ra µm	Larghezza tapparelle Flat top chain width K mm		G mm	RD mm	Peso per unità di lunghezza Weight for unit of length Kg/m
<b>ACCIAIO INOSSIDABILE FERRITICO FERRITIC STAINLESS STEEL</b>	ESS 815-4 K 3 $\frac{1}{4}$	C13S	7.300	5.500	20	0.6	82.6	1.8	150	2.73	
	ESSM 815-K 3 $\frac{1}{4}$	-	10.000	5.500	20	0.6	82.6	2.8	75	2.70	
<b>"SPECIAL"</b>	ES 815 K 2 $\frac{1}{4}$	-	10.000	7.800	32	0.3	57.1	1.8	150	2.18	
	ES 815 K 2 $\frac{1}{2}$	-	10.000	7.800	32	0.3	66.7	1.8	150	2.40	
	ES 815 K 3 $\frac{1}{4}$	C13S	10.000	7.800	32	0.3	82.6	1.8	150	2.73	
	ES 815 K 3 $\frac{1}{2}$	C14S	10.000	7.800	32	0.3	88.9	1.8	150	3.00	
	ES 815 K 4	C15S	10.000	7.800	32	0.3	101.6	1.8	150	3.20	
	ES 815 K 4 $\frac{1}{2}$	C18S	10.000	7.800	32	0.3	114.3	1.8	150	3.48	
	E 815 K 6	C24S	10.000	7.800	32	0.3	152.4	1.8	150	4.38	
	ES 815 K 7 $\frac{1}{2}$	C30S	10.000	7.800	32	0.3	190.5	1.8	150	5.27	
<b>ACCIAIO INOSSIDABILE AUSTENTICO</b>	ESS 815 K 2 $\frac{1}{4}$	-	9.700	5.300	-	0.6	57.1	1.8	150	2.18	
	ESS 815 K 2 $\frac{1}{2}$	-	9.700	5.300	-	0.6	66.7	1.8	150	2.40	
	ESS 815 K 3 $\frac{1}{4}$	C13S	9.700	5.300	-	0.6	82.6	1.8	150	2.73	
	ESS 815 K 3 $\frac{1}{2}$	C14S	9.700	5.300	-	0.6	88.9	1.8	150	3.00	
<b>AUSTENITIC STAINLESS STEEL</b>	ESS 815 K 4	C15S	9.700	5.300	-	0.6	101.6	1.8	150	3.20	
	ESS 815 K 4 $\frac{1}{2}$	C18S	9.700	5.300	-	0.6	114.3	1.8	150	3.48	
	ESS 815 K 6	C24S	9.700	5.300	-	0.6	152.4	1.8	150	4.38	
	ESS 815 K 7 $\frac{1}{2}$	C30S	9.700	5.300	-	0.6	190.5	1.8	150	5.27	

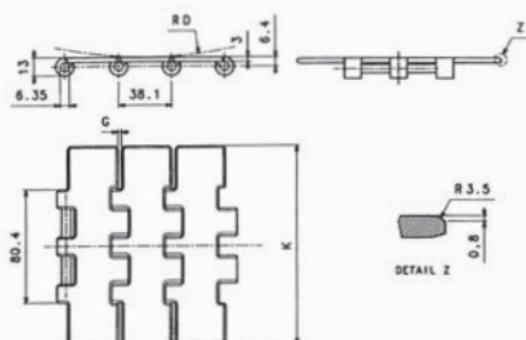
Per tutte le catene in acciaio inossidabile il carico di snervamento allo 0/2% è tale da garantire l'appartenenza al grado 1 della specifica ISO 4348 (il carico di snervamento è la caratteristica più importante ai fini della resistenza ai sovraccarichi). Larghezze non indicate in tabella solo su richiesta.

For all stainless steel chains, the 0.2% yield point grants the first grade of ISO 4348 requirements (yield point is the most important characteristic against over-loads). Width not indicated above, available only under request.

Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)

Rettilinee con tapparelle in acciaio "straight line top"

"Straight Line Top" with steel flat-top chains



#### E2815 (DOPPIA CERNIERA) / E2815 (DOUBLE HINGE)

Materiale Material	Denominazione Ref.	Rif. ISO 4348 ISO Ref.	Carico rottura medio Medium breaking load Rm N	Carico snervamento medio Medium yield point Rp 0,2 N	Durezza Hardness HRC	Larghezza tapparella Flat top chain width K mm	G mm	RD mm	Peso per unità di lunghezza Weight for unit of length Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	ES 2815 K 170*	-	28.000	17.000	43	170.5	1.8	150	5.40
ACCIAIO INOSSIDABILE FERRITICO FERRITIC STAINLESS STEEL	ES 2815-K 7/3	C30D	28.000	17.000	43	190.5	1.8	150	5.90
ACCIAIO INOSSIDABILE AUSTENTICO AUSTENTIC STAINLESS STEEL	ES 2815-K 170	-	13.300	9.600	20	170.5	1.8	150	5.40
	ES 2815-K 7/3	C30D	13.300	9.600	20	190.5	1.8	150	5.90

\* Su richiesta.

Larghezze non indicate in tabella solo su richiesta.

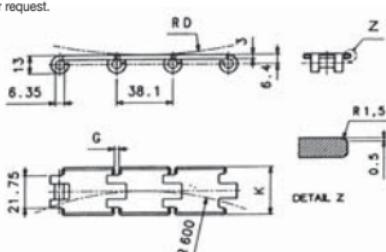
\* Under request.

Width not indicated above available only under request.

Fornite in confezioni da 80 passi (3.048 m)  
Supplied in boxes of 80 pitches (3.048 m)

#### E803

Materiale Material	Denominazione Ref.	Rif. ISO 4348 ISO Ref.	Carico rottura medio Medium breaking load Rm N	Carico snervamento medio Medium yield point Rp 0,2 N	Durezza Hardness HRC	Larghezza tapparella Flat top chain width K mm	G mm	RD mm	Peso per unità di lunghezza Weight per unit of lenght Kg/m
* SPECIAL*	E 803 K 1	-	4.900	3.800	32	31.8	2.8	75	1.1



Fornite in confezioni da 80 passi (3.048 m)  
Supplied in boxes of 80 pitches (3.048 m)

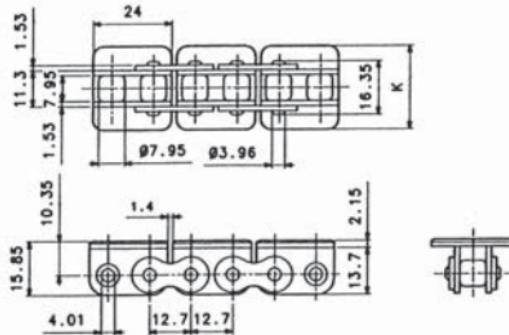
## Catene tabletop / Tabletop Chains

Rettilinee con tapparelle in acciaio "straight line top"

"Straight Line Top" with steel flat-top chains

Le catene a rulli con tapparelle in acciaio, garantiscono elevate capacità di carico e scorrevolezza. Sono particolarmente indicate dove le caratteristiche principali dell'applicazione sono carichi elevati e velocità. La versione "E844", differisce dalla "E1864" per il diverso montaggio delle tapparelle: saldate sulla E844 e montate a scatto sulla E1864 e perciò sostituibili.

Roller chains with steel flat-top chains grant high load capacity and smoothness: they are particularly suitable for applications where very high rotation speeds and heavy loads must be assured. "E844" version is different from the "E1864", because of a different assembling of flat-top chains; welden on E844 version whereas they are assembled indeed, these are release on E1844 and therefore replaceable.

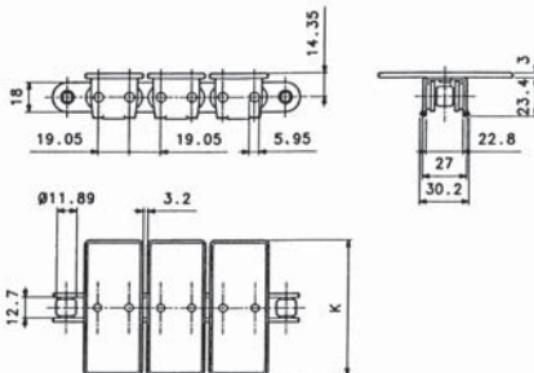


### E844

Materiale catena base Standard chain material	Materiale tapparelle Flat-top chains material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Flat top chain width K mm	Peso per unità di lunghezza Weight for unit of lenght Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	ACCIAIO AL CARBONIO CARBON STEEL	E 844 K 1	16.150	25.4	1.18
		E 844 K 1½	16.150	38.1	1.33
		E 844 K 3½	16.150	82.6	2.00
ACCIAIO AL CARBONIO CARBON STEEL	ACCIAIO INOX STAINLESS STEEL	E A 844 K 1	16.150	25.4	1.18
		E A 844 K 1½	16.150	38.1	1.33
		E A 844 K 3½	16.150	82.6	2.00
ACCIAIO INOX STAINLESS STEEL	ACCIAIO INOX STAINLESS STEEL	E SS 844 K 1	11.000	25.4	1.18
		E SS 844 K 1½	11.000	38.1	1.33
		E SS 844 K 3½	11.000	82.6	2.00

Fornite in confezioni da 240 passi (3,048 m)

Rettilinee con tapparelle in acciaio "straight line top"  
 "Straight Line Top" with steel flat-top chains



#### E1864

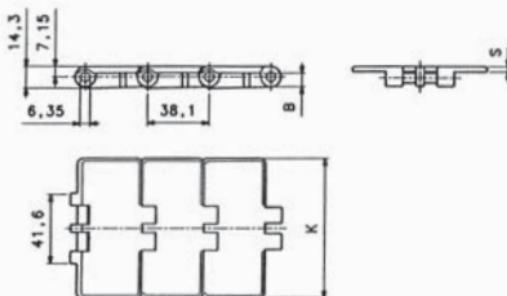
Materiale catena base Standard chain material	Materiale tapparelle Flat-top chains material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Flat top chain width K mm	Peso per unità di lunghezza Weight for unit of lenght Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	ACCIAIO AL CARBONIO CARBON STEEL	E 1864 K 3 $\frac{1}{4}$	35.000	82.6	4.20
		E 1864 K 4 $\frac{1}{2}$	35.000	114.3	4.80
		E 1864 K 6	35.000	152.4	5.70
		E 1864 K 7 $\frac{1}{2}$	35.000	190.5	6.40
ACCIAIO AL CARBONIO CARBON STEEL	ACCIAIO INOX STAINLESS STEEL	E A 1864 K 3 $\frac{1}{4}$	35.000	82.6	4.20
		E A 1864 K 4 $\frac{1}{2}$	35.000	114.3	4.80
		E A 1864 K 6	35.000	152.4	5.70
		E A 1864 K 7 $\frac{1}{2}$	35.000	190.5	6.40
ACCIAIO INOX STAINLESS STEEL	ACCIAIO INOX STAINLESS STEEL	E SS 1864 K 3 $\frac{1}{4}$	25.000	82.6	4.20
		E SS 1864 K 4 $\frac{1}{2}$	25.000	114.3	4.80
		E SS 1864 K 6	25.000	152.4	5.70
		E SS 1864 K 7 $\frac{1}{2}$	25.000	190.5	6.40

Fornite in confezioni da 160 passi (3,048 m)  
 Supplied in boxes of 160 pitches (3,048 m)

## Catene tabletop / Tabletop Chains

Rettilinee con tapparelle in acciaio "straight line top"

"Straight Line Top" with steel flat-top chains



### E820

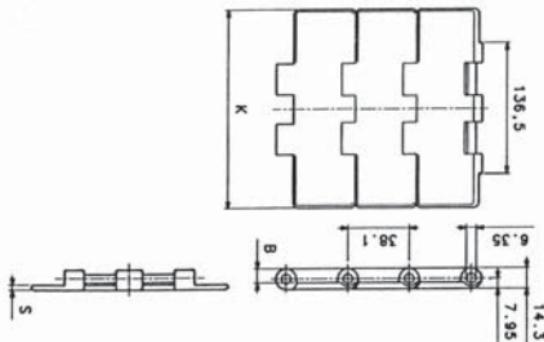
Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm			Peso per unità di lunghezza Weight for unit of lenght Kg/m
				S mm	B mm	
RESINA ACETALICA GRIGIA GRAY ACETALIC RESIN	E 820 K 3 $\frac{1}{2}$	4.600	82.6	4.0	9.5	0.84
	E 820 K 4	4.600	101.6	4.0	9.5	0.95
	E 820 K 4 $\frac{1}{2}$	4.600	114.3	4.0	9.5	1.02
	E 820 K 6	4.600	152.4	4.0	9.5	1.25
	E 820 K 7 $\frac{1}{2}$	4.600	190.5	4.0	9.5	1.47
RESINA ACETALICA ELF MARRONE CHIARO	ELF 820 K 3 $\frac{1}{2}$	4.600	82.6	4.0	9.5	0.84
	ELF 820 K 4	4.600	101.6	4.0	9.5	0.95
LIGHT BROWN ELF ACETALIC RESIN	ELF 820 K 4 $\frac{1}{2}$	4.600	114.3	4.0	9.5	1.02
	ELF 820 K 6	4.600	152.4	4.0	9.5	1.25
	ELF 820 K 7 $\frac{1}{2}$	4.600	190.5	4.0	9.5	1.47

### E831 (SPESSORE PIASTRA MAGGIORATO) / E831 (INCREASED THICKNESS OF PLATE)

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm			Peso per unità di lunghezza Weight for unit of lenght Kg/m
				S mm	B mm	
RESINA ACETALICA ELF MARRONE CHIARO	ELF 831 K 3 $\frac{1}{2}$	4.600	82.6	4.8	8.7	1.00
	ELF 831 K 4 $\frac{1}{2}$	4.600	114.3	4.8	8.7	1.24
LIGHT BROWN ELF ACETALIC RESIN	ELF 831 K 7 $\frac{1}{2}$	4.600	190.5	4.8	8.7	1.76

Fornite in confezioni da 80 passi (3.048 m)  
Supplied in boxes of 80 pitches (3.048 m)

Rettilinee con tapparelle in acciaio "straight line top"  
 "Straight Line Top" with steel flat-top chains



## E821

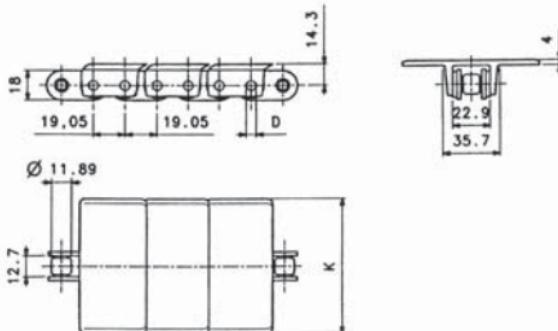
Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load R <sub>m</sub> N	Larghezza tapparelle Width of flat-top chain K mm	S mm	B mm	Peso per unità di lunghezza Weight for unit of lenght Kg/m
<b>RESINA ACETALICA GRIGIA GRAY ACETALIC RESIN</b>	E 820 K 7/ <sub>4</sub>	8.500	190.5	4.8	9.5	2.46
	E 820 K 10	8.500	254.0	4.8	9.5	2.98
	E 820 K 12	8.500	304.8	4.8	9.5	3.34
<b>RESINA ACETALICA ELF MARRONE CHIARO</b>	ELF 820 K 7/ <sub>4</sub>	8.500	190.5	4.8	9.5	2.46
<b>LIGHT BROWN ELF ACETALIC RESIN</b>	ELF 820 K 10	8.500	254.0	4.8	9.5	2.98
	ELF 820 K 12	8.500	304.8	4.8	9.5	3.34

Fornitate in confezioni da 80 passi (3,048 m)  
 Supplied in boxes of 80 pitches (3,048 m)

## Catene tabletop / Tabletop Chains

Rettilinee con tapparelle in acciaio "straight line top"

"Straight Line Top" with steel flat-top chains



### E963

Materiale catena base Material for standar chain	Denominazione Ref.	Denominazione Ref.	Carico rotura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm	Diametro perno Pin diam. D mm	Peso per unità di lunghezza Weight for unit of lenght Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	E 863 K 3 $\frac{1}{4}$	ELF 863 K 3 $\frac{1}{4}$	35.000	82.6	5.94	2.10
	E 863 K 4 $\frac{1}{2}$	ELF 863 K 4 $\frac{1}{2}$	35.000	114.3	5.94	2.33
	E 863 K 6	ELF 863 K 6	35.000	152.4	5.94	2.53
	E 863 K 7 $\frac{1}{2}$	ELF 863 K 7 $\frac{1}{2}$	35.000	190.5	5.94	2.68
ACCIAIO INOX STAINLESS STEEL	E 863 SS K 3 $\frac{1}{4}$	ELF 863 SS K 3 $\frac{1}{4}$	25.000	82.6	5.94	2.10
	E 863 SS K 4 $\frac{1}{2}$	ELF 863 SS K 4 $\frac{1}{2}$	25.000	114.3	5.94	2.33
	E 863 SS K 6	ELF 863 SS K 6	25.000	152.4	5.94	2.53
	E 863 SS K 7 $\frac{1}{2}$	ELF 863 SS K 7 $\frac{1}{2}$	25.000	190.5	5.94	2.68

Fornite in confezioni da 160 passi (3,048 m)  
Supplied in boxes of 160 pitches (3,048 m)

### E963 (CATENA BASE SIDE-BOW) / E963 (SIDE BOW CHAIN)

Materiale catena base Material for standar chain	Denominazione Ref.	Denominazione Ref.	Carico rotura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm	Diametro perno Pin diam. D mm	Peso per unità di lunghezza Weight for unit of lenght Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	E 963 K 3 $\frac{1}{4}$	ELF 963 K 3 $\frac{1}{4}$	25.200	82.6	5.08	2.02
	E 963 K 4 $\frac{1}{2}$	ELF 963 K 4 $\frac{1}{2}$	25.200	114.3	5.08	2.25
	E 963 K 6	ELF 963 K 6	25.200	152.4	5.08	2.45
	E 963 K 7 $\frac{1}{2}$	ELF 963 K 7 $\frac{1}{2}$	25.200	190.5	5.08	2.60
ACCIAIO INOX STAINLESS STEEL	E 963 SS K 3 $\frac{1}{4}$	ELF 963 SS K 3 $\frac{1}{4}$	18.200	82.6	5.08	2.02
	E 963 SS K 4 $\frac{1}{2}$	ELF 963 SS K 4 $\frac{1}{2}$	18.200	114.3	5.08	2.25
	E 963 SS K 6	ELF 963 SS K 6	18.200	152.4	5.08	2.45
	E 963 SS K 7 $\frac{1}{2}$	ELF 963 SS K 7 $\frac{1}{2}$	18.200	190.5	5.08	2.60

Fornite in confezioni da 160 passi (3,048 m)  
Supplied in boxes of 160 pitches (3,048 m)

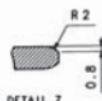
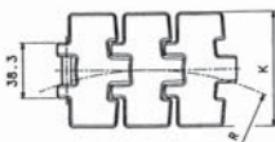
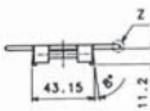
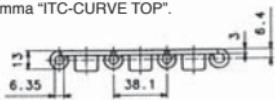
## Curvilinee con tapparelle in acciaio "curve top" "Curve Top" with steel flat-top chains

La proverbiale duttilità delle catene in acciaio della linea "CURVE TOP" per percorsi curvilinei, garantisce la massima funzionalità, anche nelle applicazioni meno propizie, risolvendo ampiamente, problemi d'ingombro e collocazione all'interno di vari reparti produttivi.

Anche in questo caso, variegata è la possibilità di utilizzare diversi tipi di materiale, la cui scelta è, ovviamente, finalizzata alle varie tipologie d'applicazione. Qui di seguito evidenziamo le varie opportunità della gamma "ITC-CURVE TOP".

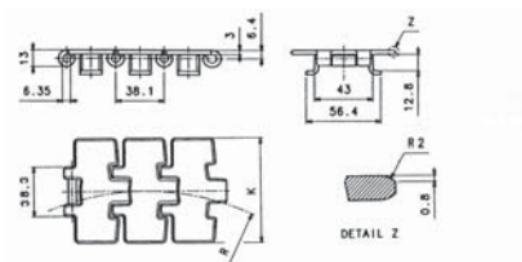
"Curve top" steel chains are specially suitable for curvilinear ways and for particular applications where encumbrance and placing problems are present.

Once again there is a possibility of choosing different types of material: this is obviously determined by the application field. Below we enumerate the type of "ITC CURVE TOP".



E981

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Carico snevamento medio Medium yield point Rp 0,2 N	Durezza Hardness HRC	Larghezza tapparelle Flat top chain width K mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of length Kg/m
"SPECIAL"	E 981 K 3 $\frac{1}{4}$	9.120	7.600	32	82.6	457.2	3.0
	E 981 K 4 $\frac{1}{4}$	9.120	7.600	32	114.3	609.6	3.7
	E 981 K 7 $\frac{1}{4}$	9.120	7.600	32	190.5	609.6	5.5



E981 T

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Carico snevamento medio Medium yield point Rp 0,2 N	Durezza Hardness HRC	Larghezza tapparelle Flat top chain width K mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of length Kg/m
"SPECIAL"	E 981 T K 3 $\frac{1}{4}$	9.120	7.600	32	82.6	457.2	3.2
	E 981 T K 4 $\frac{1}{4}$	9.120	7.600	32	114.3	609.6	3.9
	E 981 T K 7 $\frac{1}{4}$	9.120	7.600	32	190.5	609.6	5.7

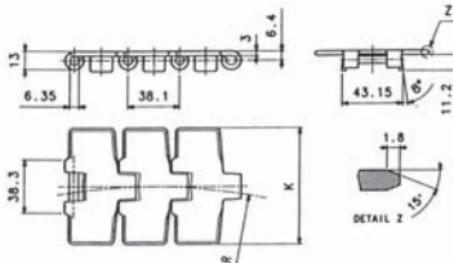
Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)

Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)

## Catene tabletop / Tabletop Chains

Curvilinee con tapparelle in resina "curve top"

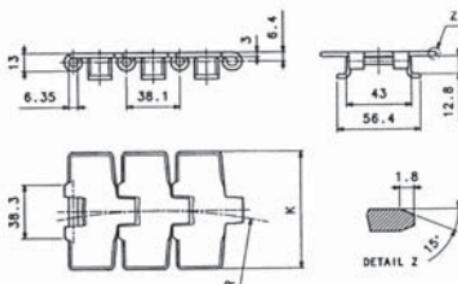
"Curve Top" with steel flat-top chains



E881

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Carico snevamento medio Medium yield point Rp 0.2 N	Durezza Hardness HRC	Larghezza tapparelle Width of flat-top chain K mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of lenght Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	ES 881 K 3 $\frac{1}{2}$	13.900	11.000	43	82.6	457	3.0
	ES 881 K 4 $\frac{1}{2}$	13.900	11.000	43	114.3	609.6	3.7
	ES 881 K 7 $\frac{1}{2}$	13.900	11.000	43	190.5	609.6	5.5
ACCIAIO INOX AUSTENTICO AUSTENTIC STAINLESS STEEL	ESS 881 K 3 $\frac{1}{2}$	8.800	5.300	-	82.6	457.2	3.0
	ESS 881 K 4 $\frac{1}{2}$	8.800	5.300	-	114.3	609.6	3.7
	ESS 881 K 7 $\frac{1}{2}$	8.800	5.300	-	190.5	609.6	5.5

Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)



E881 T

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Carico snevamento medio Medium yield point Rp 0.2 N	Durezza Hardness HRC	Larghezza tapparelle Width of flat-top chain K mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of lenght Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	ES 881T K 3 $\frac{1}{2}$	13.900	11.000	43	82.6	457	3.0
	ES 881T K 4 $\frac{1}{2}$	13.900	11.000	43	114.3	609.6	3.7
	ES 881T K 7 $\frac{1}{2}$	13.900	11.000	43	190.5	609.6	5.5
ACCIAIO INOX AUSTENTICO AUSTENTIC STAINLESS STEEL	ESS 881T K 3 $\frac{1}{2}$	8.800	5.300	-	82.6	457.2	3.0
	ESS 881T K 4 $\frac{1}{2}$	8.800	5.300	-	114.3	609.6	3.7
	ESS 881T K 7 $\frac{1}{2}$	8.800	5.300	-	190.5	609.6	5.5

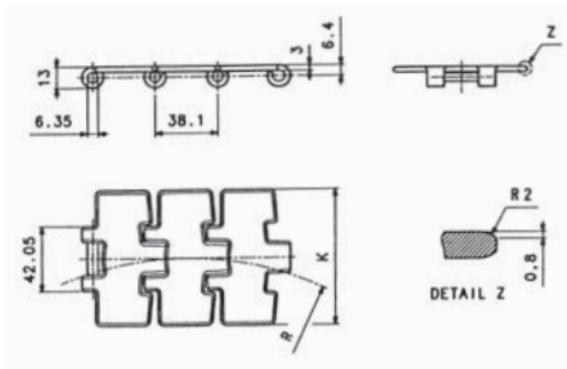
Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)

**Curvilinee con tapparelle magnetiche in acciaio "curve top"**  
**"Curve Top" with magnetic steel flat-top chains**

Le catene della serie 981 MGN, costruite in materiale speciale, sono particolarmente indicate per essere utilizzate nei trasportatori curvilinei, laddove sono richiesti avvolgimenti ed ancoraggi magnetici.

Consentono, fra l'altro, d'essere sollevate dalla guida di scorrimento, per l'esecuzione della pulizia, o per semplici esplorazioni, senza doverne eseguire lo smontaggio.

*Chains of 981 MGN series are made of special materials and are particularly suitable for winding and magnetic attachments. They can be lifted from their guide to be cleaned or when an exploration without dismantling is necessary.*



**E981 M**

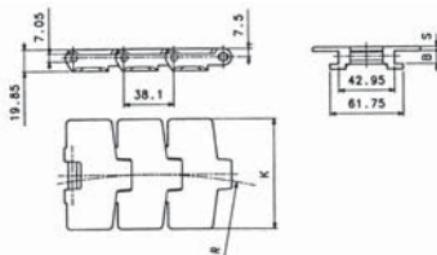
Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Carico sforamento medio Medium yield point Rp 0.2 N	Durezza Hardness HRC	Larghezza tapparelle Width of flat-top chain K mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of length Kg/m
" SPECIAL "	981 M 3 1/4	10.100	7.890	32	82.6	457	2.5
	981 M 4 1/2	10.100	7.890	32	114.3	457	3.2
	981 M 7 1/2	10.100	7.890	32	190.5	457	5.0

Fornite in confezioni da 80 passi (3,048 m)  
 Supplied in boxes of 80 pitches (3,048 m)

## Catene tabletop / Tabletop Chains

Curvilinee con tapparelle in resina "curve top"

"Curve Top" with steel flat-top chains



E880 T

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm	S mm	B mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of lenght Kg/m
RESINA ACETALICA ELF MARRONE CHIARO ELF LIGHT BROWN ACETATE RESIN	ELF 880 T K 3½/ ELF 880 T K 4½/	6.500	82.6	4.8	11.0	457.2	0.98
		6.500	114.3	4.8	11.0	609.6	1.14

Tutti i perni sono in acciaio inox austenitico  
All pins are in austenitic stainless steel

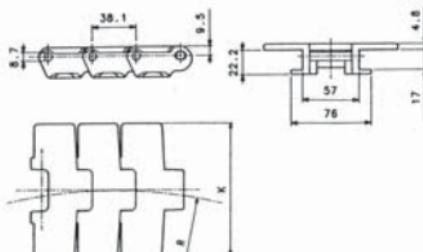
Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)

E879 T (SPESORE PIASTRA MAGGIORATO) / E879 (OVERSIZE PLATE'S THICKNESS)

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm	S mm	B mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of lenght Kg/m
RESINA ACETALICA ELF MARRONE CHIARO ELF LIGHT BROWN ACETATE RESIN	ELF 879 T K 3½/ ELF 879 T K 4½/	6.500	82.6	4.8	11.0	457.2	0.98
		6.500	114.3	4.8	11.0	609.6	1.14

Tutti i perni sono in acciaio inox austenitico  
All pins are in austenitic stainless steel

Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)



E882 T (CATENA RINFORZATA) / 882 T (REINFORCED CHAIN)

Materiale Material	Denominazione Ref.	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of lenght Kg/m
RESINA ACETALICA ELF MARRONE CHIARO ELF LIGHT BROWN ACETATE RESIN	ELF 882 T K 4½/ ELF 882 T K 7½/ ELF 882 T K 10 ELF 882 T K 12	11.500	114.3	609.6	1.98
		11.500	190.5	609.6	2.43
		11.500	254.0	609.6	2.87
		11.500	304.8	609.6	3.41

Tutti i perni sono in acciaio inox austenitico  
All pins are in austenitic stainless steel

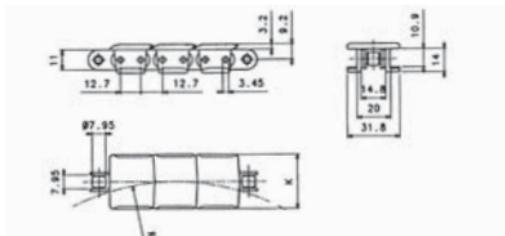
Fornite in confezioni da 80 passi (3,048 m)  
Supplied in boxes of 80 pitches (3,048 m)

## Curvilinee con tapparelle in resina "curve top"

### "Curve Top" with steel flat-top chains

Con la scorrevolezza e planarità delle tapparelle in resina "TOP LINE", è possibile la progettazione di trasportatori con lunghi sviluppi e velocità periferiche, maggiori rispetto a quelli utilizzanti normali catene a semplici tapparelle cernierate.

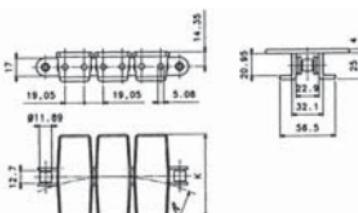
*Thanks to the smoothness and flatness of "TOP LINE" resin flat-top chains, it is possible to project conveyors with longer dimensions and higher peripheral speeds than normal flat-top chains.*



E1843 T

Materiale catena base Standard chain material	Denominazione Ref. Resina acetalfita ELF speciale marrone chiaro Special ELF acetalic resin light brown	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm	Raggio curvatura laterale Side flex radius R mm	Peso per unità di lunghezza Weight per unit of length Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	ELF 1843 T K 1½	10.000	31.8	355.6	0.75
ACCIAIO INOX STAINLESS STEEL	ELF 1843 T K 1½	7.200	31.8	355.6	0.75

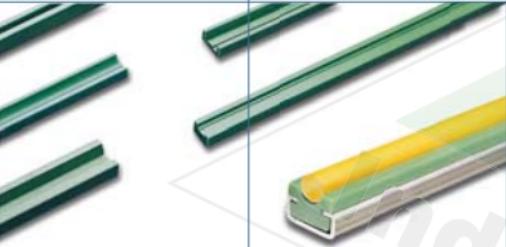
Fornite in confezioni da 240 passi (3,048 m)  
Supplied in boxes of 240 pitches (3,048 m)



E1873 T

Materiale catena base Material for standar chain	Denominazione Ref. Resina acetalfita grigia Grey acetalic resin	Denominazione Ref. Resina acetalfita ELF marrone chiaro Light brown ELF acetalic resin	Carico rottura medio Medium breaking load Rm N	Larghezza tapparelle Width of flat-top chain K mm	Raggio curvatura laterale Side flex radius D mm	Peso per unità di lunghezza Weight for unit of lenght Kg/m
ACCIAIO AL CARBONIO CARBON STEEL	E 1873 T K 3½	ELF 1873 T K 3½	25.500	82.6	355.6	2.10
	E 1873 T K 4½	ELF 1873 T K 4½	25.500	114.3	355.6	2.26
	E 1873 T K 6	ELF 1873 T K 6	25.500	152.4	457.2	2.41
	E 1873 T K 7½	ELF 1873 T K 7½	25.500	190.5	457.2	2.56
	E 1873 T K 10	ELF 1873 T K 10	25.500	254.0	457.2	2.78
ACCIAIO INOX STAINLESS STEEL	E 1873 T K 12	ELF 1873 T K 12	25.500	304.8	609.6	3.00
	E 1873 T SS K 3½	ELF 1873 T SS K 3½	18.200	82.6	355.6	2.10
	E 1873 T SS K 4½	ELF 1873 T SS K 4½	18.200	114.3	355.6	2.26
	E 1873 T SS K 6	ELF 1873 T SS K 6	18.200	152.4	457.2	2.41
	E 1873 T SS K 7½	ELF 1873 T SS K 7½	18.200	190.5	457.2	2.56
	E 1873 T SS K 10	ELF 1873 T SS K 10	18.200	254.0	457.2	2.78
	E 1873 T SS K 12	ELF 1873 T SS K 12	18.200	304.8	609.6	3.00

Fornite in confezioni da 160 passi (3,048 m)  
Supplied in boxes of 160 pitches (3,048 m)

Smontacatene <i>Chain breakers</i>			
			
		<p>Tenditori automatici e fissi per catene a rulli <i>Fixed and automatic tensioners for roller chains</i></p>	

Elementi tenditori

*Tensioning elements*



Pignoni  
tendicatena

*Sprockets for  
chain tensioners*





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**CATENE • CHAINS**

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