



CATENE A RULLI

ROLLER CHAINS

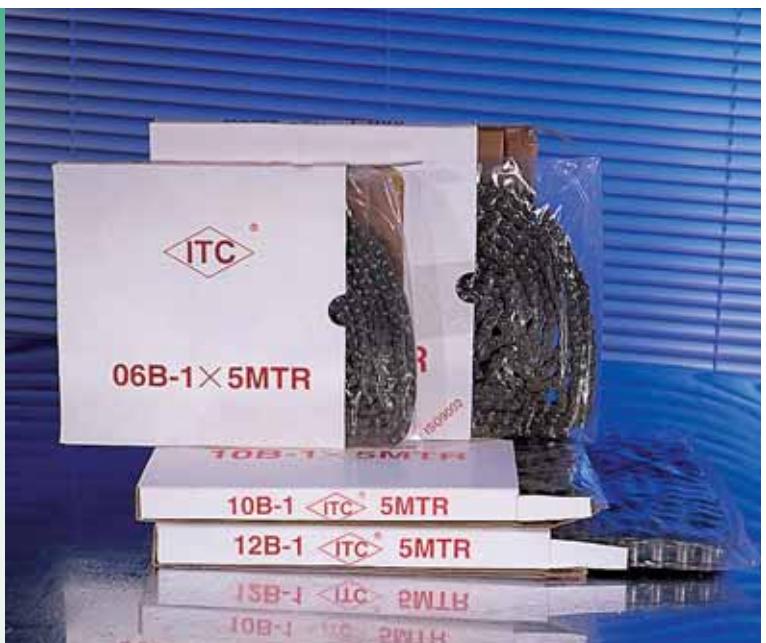




CATENE A RULLI ROLLER CHAINS

CATALOGO TECNICO GENERALE
GENERAL TECHNICAL CATALOGUE

1.5.04





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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.

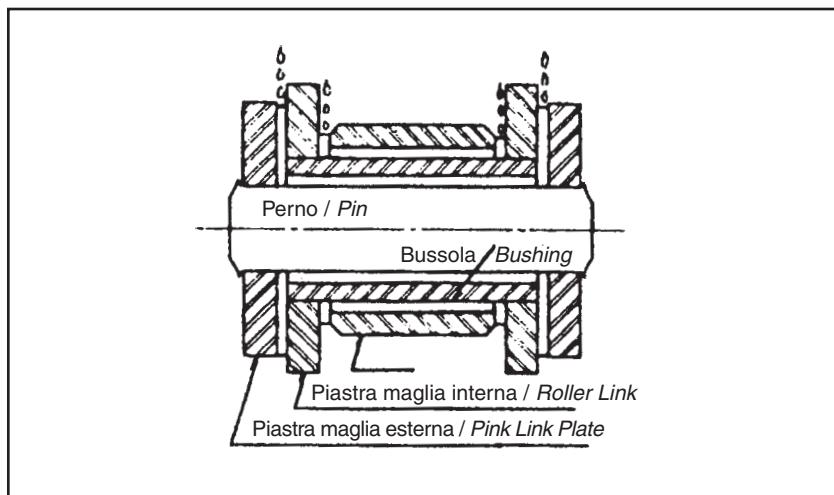
Per ovviare a questo problema, si è provveduto a creare un interstizio, tra la piastra della maglia interna e la piastra della maglia esterna. Una corretta lubrificazione, provvederà a "colmare" questa specie d'intercapedine, che riceverebbe così l'olio necessario ad una corretta lubrificazione. Il velo 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 determinate performances and life of a transmission with roller chains, is the **lubrication**.*

A good and correct lubrication enables a greater efficacy in motion and when 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 in**, 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 noisiness of the transmission.*



Gli oli consigliabili sono quelli d'elevata qualità. È inutile utilizzare grassi od oli particolarmente ricchi. La caratteristica che fa diventare ottima, una buona lubrificazione, è dettata da una buona viscosità dell'olio impiegato, nonché dalla temperatura standard dell'ambiente nel quale lavora la catena.

Per questo ulteriore motivo, esistono degli oli, in grado di lavorare a temperature particolarmente elevate. È tuttavia consigliabile, per questo capitolo, affidarsi alle specifiche raffigurate nel riquadro presente in questa introduzione.

Suggested oils are those of high quality, it is useless using grease or oils particularly rich.

A good lubrication becomes excellent when the oil has a good viscosity and when the temperature of surroundings is standard.

For this reason some oils are able to perform with very high temperatures: to have more details, see the specifications expressed in the panel of this introduction.

| Temperatura °C <i>Temperature</i> | Lubrificante consigliato <i>Recommended lubricant</i> |
|--------------------------------------|--|
| Da / From -6 | a / to +5 SAE 20 |
| Da / From +5 | a / to +38 SAE 30 |
| Da / From +38 | a / to +49 SAE 40 |
| Da / From +49 | a / to +60 SAE 50 |

I metodi di lubrificazione, tuttavia, sono indispensabili, ed in quest'ottica, "ITC", ne consiglia alcuni fondamentali.

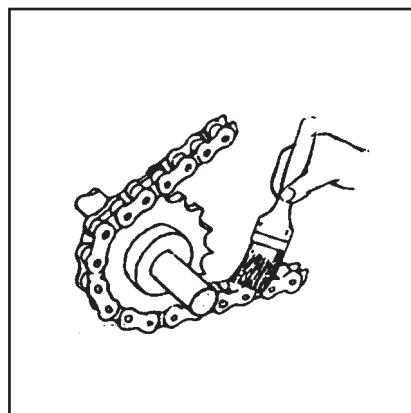
Lubrificazione manuale.

L'olio viene applicato mediante pennello o nebulizzatore, nell'interstizio esistente fra il rullo della catena ed il perno. Sarà applicato a cicli di circa 8/10 ore, od ad intervalli minori se l'applicazione portasse le parti a seccarsi anticipatamente.

Lubrication methods are essential, for this reason "ITC" advises some of them.

Manual lubrication.

The oil is applied by a brush or a nebulizer inside the space between the roller of the chain and the pin. The application has to be repeated every 8/10 hours, this cycle can be shorter if the application causes advanced drying of the parts.

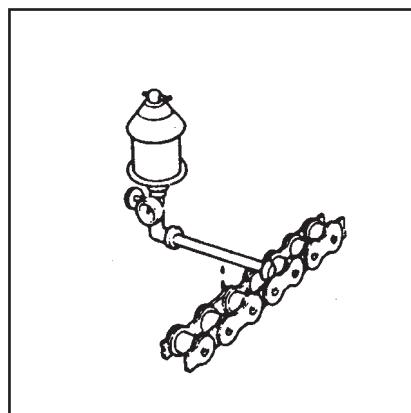


Lubrificazione a goccia.

Può avvenire utilizzando un dispositivo automatico programmabile. Tuttavia quest'applicazione è consigliata qualora la trasmissione non superi la velocità periferica di circa 3 m/sec.

Drip-feed lubrication.

By using an automatic device predisposed to programming. This application is recommended only when the transmission doesn't exceed the peripheral speed of 3 m/sec.



Lubrificazione a bagno d'olio.

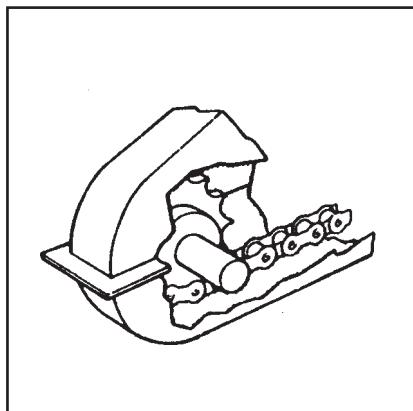
È la più semplice, dopo la lubrificazione manuale. La catena, installata all'interno di un carter, nella sua parte inferiore è a contatto con bagno d'olio, il cui livello massimo, non dovrà superare nel suo livello minimo, la mezzeria della catena medesima.

La velocità massima consigliata per questo tipo d'applicazione, è di circa 7/8 m/sec.

Bath oil lubrication.

This is the easiest after the manual one. The chain, assembled inside a carter, has its lower part in a bath oil: the maximum level doesn't have to exceed the minimum level of the center line of the chain.

Suggested speed for this kind of chain is about 7/8 m/sec.



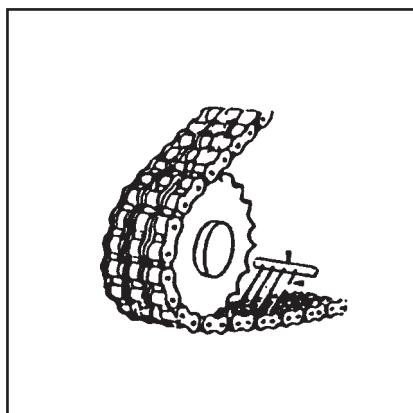
Lubrificazione forzata.

Metodo assai indicato per velocità d'esercizio particolarmente elevate (almeno 8-9 m/sec). Mediante una pompa, collegata ad un sistema centrale di lubrificazione, il getto d'olio viene direttamente orientato sulle superfici interne della catena. Il tutto, è preferibile avvenga nel punto più in basso dell'ingranamento.

Pressure lubrication.

This lubrication is suitable for very high speeds (at least 8/9 m/sec). By a pump, that is connected to a central system of lubrication, the oil is directly injected to inner surfaces of chain.

This should preferably happen in the lowest part of the gear.



FORMULARIO DI BASE, PER IL CALCOLO DELLE TRASMISSIONI A CATENA

BASIC FORMULARY TO CALCULATE TRASMISSIONS 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:

- α = 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)

F1 = coefficiente d'attrito radente tra il materiale da trasportare, sabbia, polvere di vetro, carboni, ecc. ed i canali dei trasportatore

L = lunghezza dei rami dei 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.

P1 = 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 = $\frac{P1 \times V''}{75}$

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

Q1 = potenza d'elevazione o portata in tonn./h
 $3,6 \times g \frac{P \times V''}{d} e p = \frac{d Q1}{3,6 \times g \times V''}$

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:

- α = 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)

F1 = coefficient of sliding friction between goods to transport (sand, dust of glass, carbons...) and races of transporter.

L = lenght 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

P1 = total peripheral stress, equal to V, working on wheel pitch line (sprocket or driving pulley) increased by "C" and by passive resistances of trasmission. 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 = $\frac{P1 \times V''}{75}$ the power obtained can be uprated in some cases: initial over loads for example.

Q1 = elevation power or capacity load in tonn/h

$3,6 \times g \frac{P \times V''}{d} e p = \frac{d Q1}{3,6 \times g \times V''}$

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 (scorie 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.

Ovviamente, 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 dei peso trasportato, purchè 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

Strech 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 m³. Portata richiesta tonn 4,8 ora = 12 m³. Interasse dell'elevatore mt 10.

Fissati:

$g = 0,5$
 $d = \text{mt } 0,330$
 $v = \text{mt } 1"$
 $n = 40 \text{ a } 1'$
 $Rp = \text{mt } 0,250$
 $Q = \text{kg } 5 \text{ (peso per mt di catena tazze, ganci, ect.)}$
 $q = \text{kg } 1,300 \text{ peso per mt dei materiale elevato}$

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

Assi montati su cuscinetti a sfere.

Calcolo portata:

$$Q_1 = 3,6 g \frac{p}{d} v'' \text{ e quindi: } 4,8 = 3,6 g \frac{p}{d} \times l = 4,8 = \\ 3,6 \times 0,5 \times \frac{p}{0,330} \times l =$$

da cui:

$$p = \frac{d Q_1}{3,6 \times g \times v''} = \frac{0,330 \times 4,8}{3,6 \times 0,5 \times l} = \frac{1,58}{1,8} \\ = \text{kg } 0,880 \text{ (peso di ogni tazza teoricamente piena).}$$

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 $L = 10 \text{ mt} = \text{a } 31,5 \text{ tazze a kg } 0,880 \text{ cad.} \\ (= x g = 0,5) = 0,440 \text{ kg cad.}$

Quindi $N. 31,5 \text{ tazze} \times \text{kg } 0,440 = \text{kg } 13,325 \text{ per } 10 \text{ mt di } L.$

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

Calcolo della potenza occorrente:

$$P = (q + Q) \times L \\ P_1 = P + C + \text{resistenze passive} \\ P = (q + Q) \times L = (1,300 + 5) \times 10 = \text{kg } 65 \sim \\ P_1 = 65 + C + (\text{resistenze passive}) = (65 + 0,2 P) + \\ + 0,15 = (P + C) = 78 + (0,15 \times 78) = \text{kg } 90.$$

Conseguentemente:

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

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 rulli di scorrimento non lubrificati ($F = 0,33$) del 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 m³ more or less. Capacity 4,8 ton per hour = 12 m³. 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 $e = 0,85.$ Axed assembled on roller bearings.

Calculation of capacity:

$$Q_1 = 3,6 g \frac{b}{v} v'' \text{ therefore: } 4,8 = 3,6 g \frac{p}{d} \times l = 4,8 = \\ 3,6 \times 0,5 \times \frac{p}{0,330} \times l =$$

from where:

$$p = \frac{d Q_1}{3,6 \times g \times v''} = \frac{0,330 \times 4,8}{3,6 \times 0,5 \times l} = \frac{1,58}{1,8} \\ = 0,880 \text{ kg (weight of every cup, full).}$$

Infact:

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

Check of capacity:

For $L = 10 \text{ mt} = \text{a } 31,5 \text{ cups of kg } 0,880 \text{ cad.} \\ (= x g = 0,5) = 0,440 \text{ kg each.}$

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 $1,3325 \times 3660,$ = kg 4,800.

Calculation of necessary power:

$$P = (q + Q) \times L \\ P_1 = P + C + \text{passive resistances} \\ P = (q + Q) \times L = (1,300 + 5) \times 10 = \text{kg } 65 \sim \\ P_1 = 65 + C + (\text{passive resistances}) = (65 + 0,2 P) + \\ + 0,15 = (P + C) = 78 + (0,15 \times 78) = \text{kg } 90.$$

Therefore:

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

EXAMPLE No 2

Orizontal flat top chain conveyors or orizontal 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.

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

La potenza ottenuta sarà maggiorata a seconda dei casi, (lunghezza del trasportatore, natura del carico e del 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 il materiale. Distanza fra i centri degli assi di comando e di rinvio 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:

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

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

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

$$P = 9.634 - 2278 = 7356 \text{ kg che è lo sforzo periferico agente sulla circonferenza primitiva delle ruote di comando.}$$

Lo sforzo motore così determinato dovrà essere aumentato delle resistenze passive a seconda di quanto visti precedentemente, per ottenere P_1 .

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

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 $(7356 + (50 \times 136) \times 0,39)$. 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
 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.

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

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:

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

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

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

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

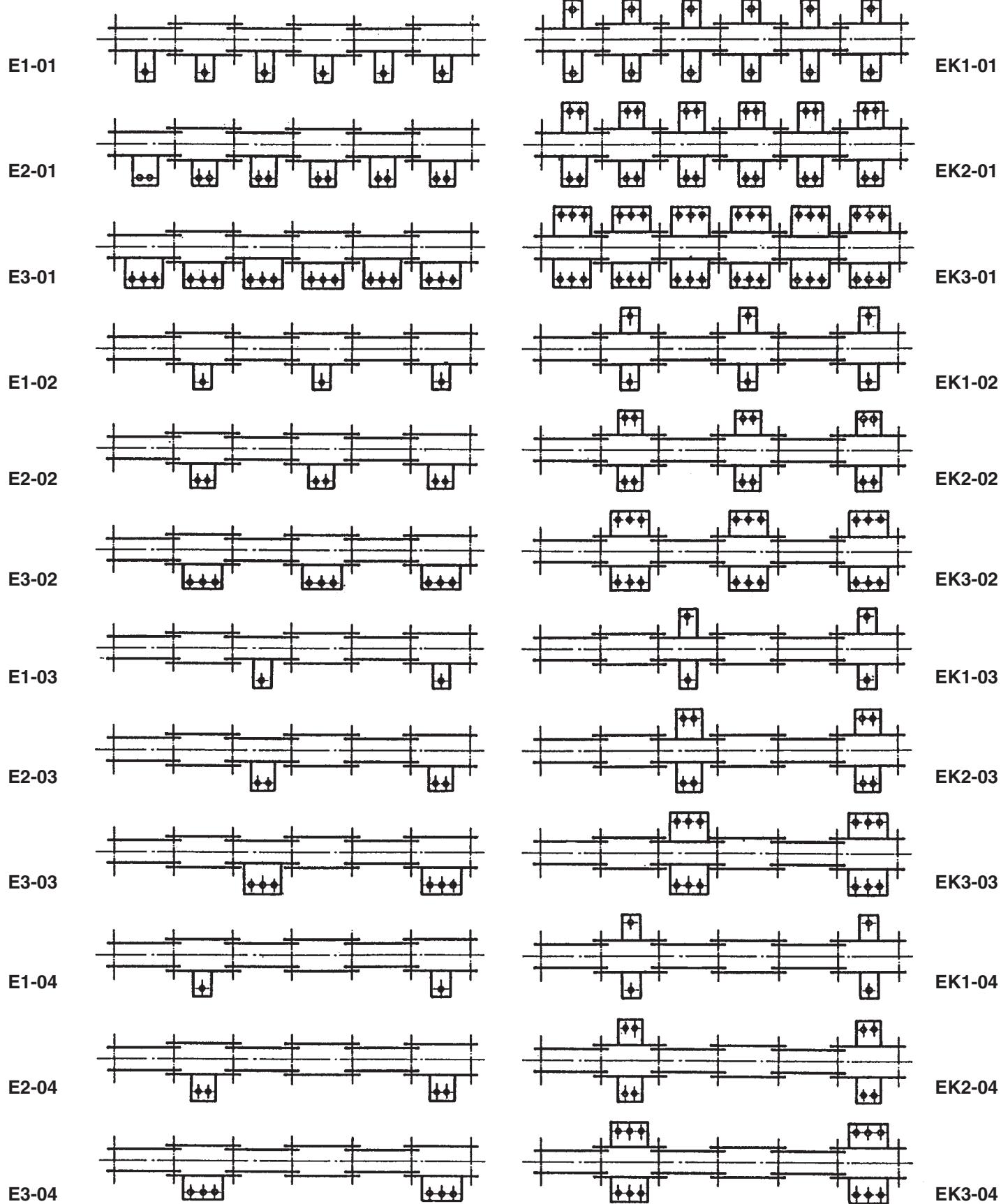
$$N \text{ power to apply in HP, will be: } = \frac{P_1 \times v''}{75}$$

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 $(7356 + (50 \times 136) \times 0,39)$.

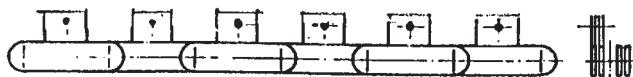
The bending tension of axles will be = 11912 kg whereas $9634 + 2278$.

For calculations of previous conveyors, we have to proceed as above, important is to pay particular attention to 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.

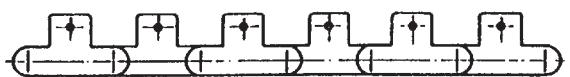
GLI ATTACCHI “ITC” ED IL LORO MONTAGGIO “ITC” ATTACHMENTS AND THEIR ASSEMBLING



GLI ATTACCHI "ITC" ED IL LORO MONTAGGIO "ITC" ATTACHMENTS AND THEIR ASSEMBLING



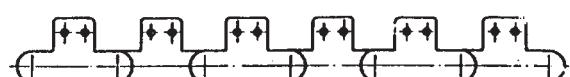
EM 35-01



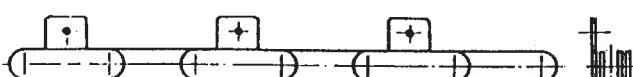
EM 1-01



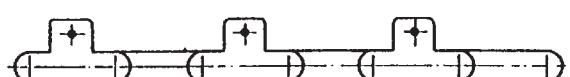
EM 35/2-01



EM 2-01



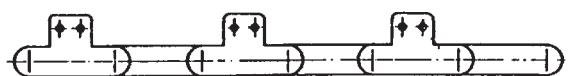
EM 35-02



EM 1-02



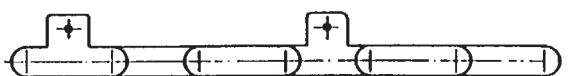
EM 35/2-02



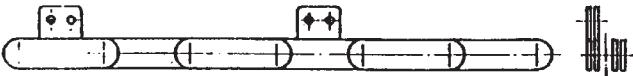
EM 2-02



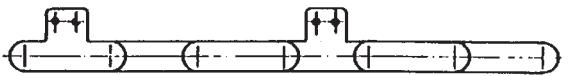
EM 35-03



EM 1-03



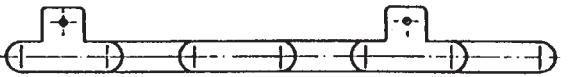
EM 35/2-03



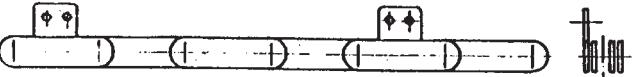
EM 2-03



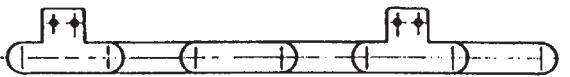
EM 35-04



EM 1-04



EM 35/2-04



EM 2-04

TRASPORTO LEGGERO / LIGHT TRANSPORT

Ecco qui di seguito elencate, le normative basilari, osservate durante i processi produttivi. Sono fra i più alti esempi di standard qualitativi che fanno di ITC, un marchio d'altissima affidabilità e qualità.

MATERIALI:

- Catene standard al carbonio: tutti i componenti delle catene, subiscono un trattamento termico. Le parti assoggettate ad usura, quali perni e bussole, ad esempio, vengono ulteriormente indurite, con trattamenti di cementazione e tempra ad induzione, in atmosfera controllata, e se il caso lo richiedesse, su alcune di esse, verrebbe attuata anche una cromizzazione. Il controllo di laboratorio, garantisce l'efficacia totale di tutti questi processi di trattamenti protettivi.
- Altre tipologie di catene, subiscono trattamenti superficiali di differente potere protettivo:
 - Zincatura o zincocromatura
 - Tropicalizzazione
 - Nichelatura
 - Trattamenti galvanici speciali
- Catene in acciaio Inox (AISI 304 L)
Per la massima resistenza all'attacco di agenti chimici (anticorrosione).

PRESTIRAGGIO O PRECARICO:

Tutte le catene **ITC**, facenti parte della linea “**TRASPORTO LEGGERO**”, vengono precaricate e rodate, secondo predeterminati criteri tecnomeccanici, per assicurare una corretta applicazione in ogni campo lavorativo, inducendo alle catenarie, particolare resa, contro usura, danneggiamenti ed allungamenti.

SPEZZONI E COMPOSIZIONI VARIE:

Per le applicazioni particolareggiate, richiedenti speciali impieghi, con tratti (rami) di catenarie con lunghi sviluppi e necessarie tolleranze sul totale dei medesimo, **ITC** fornisce catene spezzonate e/o composte, secondo le richieste dell'Utilizzatore, eseguendo oltre chè l'operazione suppletiva di composizione dello spezzone, anche adeguati controlli sugli sviluppi stessi, contrassegnandone le zone di connessione, onde agevolarne l'operazione di montaggio.

MANUTENZIONE E LUBRIFICAZIONE:

Tutte le catene **ITC**, della linea “**TRASPORTO LEGGERO**”, vengono sottoposte a lubrificazione di carattere Standard, al momento del confezionamento ed imballaggio. Lubrificazioni specifiche, con olii e grassi particolari, possono venire eseguiti (a richiesta), con utilizzo di lubrificanti particolarmente adatti all'usura (Bisolfuro di molibdeno), alle alte temperature (220-240°C).

CATENE SPECIALI SU SPECIFICHE DEL CLIENTE:

ITC produce qualsiasi tipologia di catena, destinata a qualsivoglia comparto produttivo. Ogni tipo d'applicazione o problematica, viene risolta a livello produttivo, dai vari centri di produzione, evidenziati nelle fotografie, raffigurate nella prima parte di questo catalogo. A seguito di eventuali ulteriori accordi, **ITC** può produrre catene d'ogni tipo e formato, anche in regime d'**ESCLUSIVA**.

We would like to remind you, general and basic rules that are followed during production process: qualitative standards are the highest, in order to grant all our customers a reliable brand.

MATERIALS:

- Standard carbon chains: all chains components, are thermally treated. Part usually more exposed to wear (sleeves and pins for example) are even more hardened with casehardening and induction hardening operations. These treatments take place in a controlled atmosphere and if necessary a further chromizing operation could occur. A laboratory control guarantees the total efficacy of all these protective operations.
- Other chains are superficially treated with different protective operations:
 - galvanizing or zinc-chromium plating
 - tropicalization
 - nichel-plating
 - special galvanic treatments
- Stainless steel chains (AISI 304 L)
For the highest resistance against chemical agents (anticorrosion)

PRE-STREACHING OR PRE-LOADING:

All **ITC** chains, belonging to “**LIGHT TRANSPORT**” are pre-loaded and broken in, in accordance with technical-mechanics rules which assure a correct application in every field of working. In this way all chains have a great resistance against wear, elongations and damages.

CUT DOWN SIZES AND DIFFERENT COMPOSITIONS:

For special applications, where very long chains and particular tolerances are presents, **ITC** can supply you with cut down size chains and/or chains as per customers requirements. Infact besides cutting the chains as per request, **ITC** executes all controls on them and indicates the connection parts, to facilitate mounting operation.

UPKEEP AND LUBRICATION:

All **ITC** chains belonging to “**LIGHT TRANSPORT**” are previously treated with standard lubrication, during packing operation. Special lubrications with particular oils and grease, can be, under request, executed: lubricants suitable for high temperatures (220-240°C) and against wear (bisulphide of molybdenum) can be used.

SPECIAL CHAINS AS PER CUSTOMER'S REQUIREMENT:

ITC produces all types of chains, for all types of productive compartment. Any kind of application or problem is solved during productive level from different production centers, that are showed with pictures in the first part of this catalogue. If further agreements are presents, **ITC** can produce any type of chain also with **EXCLUSIVITY**.

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI “SERIE ISO” (Norme europee) “ISO SERIES” ROLLER CHAINS (European rules)

Questa denominazione, raggruppa quelle catene a rulli, abitualmente costruite secondo precise normative, adottate dall'unificazione di sistemi tecnologici e di misurazione, di alcuni Paesi europei, fra i quali l'Italia, la Francia, la Germania ed il Regno Unito.

L'unificazione di questi sistemi (ISO/R 606-1982/DIN 8187), consente la totale eliminazione di divergenze costruttivo-dimensionali, fino ad ora esistenti, fra le catene a rulli costruiti nei vari Paesi europei, con l'ottenimento di una coerente e vantaggiosa equivalenza, facilitandone al tempo stesso una logica e meno costosa intercambiabilità. Le catene a rulli della “SERIE ISO” sono quelle con il maggior impiego in Europa, per le trasmissioni di potenza. Queste catene della “SERIE ISO” sono costruite, quindi disponibili da standard, con 1, 2, 3 ed anche 4 file di rulli.

Es.: catena ad 1 fila di rulli (semplice)

This name includes all roller chains that are normally manufactured in accordance with accurate rules accepted and recognized by some European countries, such as Italy, France, Germany and U.K. The unification of these technological and measuring systems (ISO/R 606-1982/DIN 8187), eliminates any manufacturing difference previously existing among roller chains constructed in different European countries.

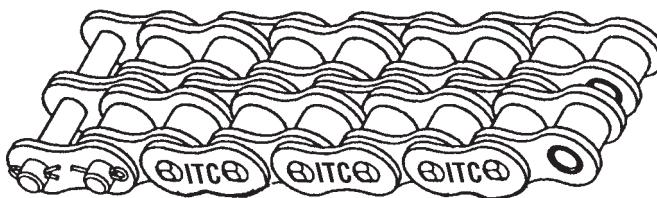
In this way the product is interchangeable and equivalent. “ISO SERIES” chains are the most used in Europe for power transmission: these can be standard, single-double-triples strands or even with 4 strands of rollers.

Example: single strand roller chain



Es.: catena a 2 file di rulli (doppia)

Example: double strands roller chain



CATENE A RULLI “SERIE AMERICANA” (ANSI-ASA) “AMERICAN SERIES” ROLLER CHAINS (ANSI-ASA)

Sono costruite secondo l'unificazione Americana, denominata (ANSI B 29.1) e, si propone, come alternativa alle corrispondenti della “Serie ISO” sopra riportate. Per facilitarne i criteri di scelta, vengono abitualmente elencate e raffigurate separatamente da quelle della “Serie ISO”, sebbene il loro campo applicativo è pressoché identico a queste, col vantaggio però, rispetto alla “Serie ISO”, derivante da una maggiore resistenza alla fatica, dovuta alla loro caratteristica progettuale. Caratteristica che ha reso il sistema unificato “ANSI B 29.1”, largamente adottato anche in Europa.

Per facilitarne l'appellativo, denomineremo le catene di questa unificazione Americana, con la sigla “ASA”. Le catene a rulli ITC della serie “ASA”, normalmente sono disponibili, come per la “Serie ISO”, ad 1, a 2, 3 ed anche 4 file di rulli.

Manufactured in accordance with the American unification, they are an alternative to “ISO series” above named. To make their choice easier, these chains are separately indicated even if their application field is almost the same as “ISO series”: the main difference is their higher endurance to stress, coming from a planning characteristic. Thanks to this characteristic the “ANSI B 29.1” system, is widely used in Europe too.

We call this chains “ASA”, and the “ITC” chains of “ASA” series are the same as above: standard, single-double-triple strands or even with 4 strands of rollers.

TRASPORTO LEGGERO / LIGHT TRANSPORT

I prodotti "ITC" sono da sempre in costante perfezionamento.

Da sempre "ITC" rivolge particolare attenzione verso investimenti, tendenti a valorizzare la qualità e l'affidabilità dei suoi prodotti, a totale garanzia di un corretto funzionamento.

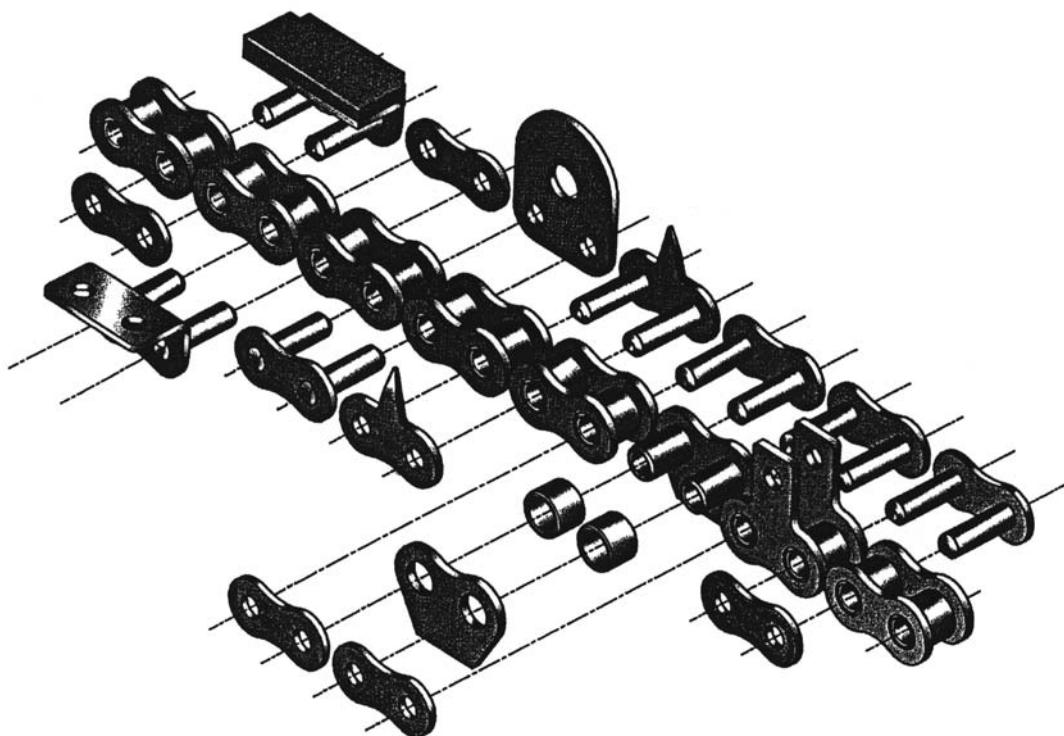
Tutto questo ha consentito ad "ITC" di perfezionare piani di sviluppo e di progettazione dei propri prodotti, migliorandone i già elevati standard qualitativi, ampiamente riconosciuti dall'elevato numero di utilizzatori, sparsi in tutto il mondo.

Processo produttivo, controllo dimensionale e funzionale, lubrificazione e collaudo, e per finire confezionamento e relativo imballaggio, sono un tutt'uno, che s'identifica nell'**ALTA QUALITÀ** oramai raggiunta da "ITC", che ha di recente ottenuto la certificazione "**ISO 9002**" rispondente ai più rigidi canoni di controllo.

The "ITC" products have always been in continuous improvement, "ITC" attaches particular importance to investments, in order to improve and develop the quality and reliability of its products for a total safe working. In this way "ITC" is constantly perfecting development designs and projects for its products, improving therefore the already high qualitative standards, widely known from many users all around the world.

Productive process, dimensional and functional control, lubrication, acceptance test, and packing are carefully carried and to obtain high quality in which "ITC" identify it self.

*"ITC" has recently obtained the "**ISO 9002**" quality system certification, to guarantee all the customers a product manufactured in accordance with the strictest rules.*



TRASPORTO LEGGERO / LIGHT TRANSPORT

MODALITÀ D'IDENTIFICAZIONE DI UNA CATENA A RULLI “ITC” CON ATTACCHI *IDENTIFICATION OF AN “ITC” ROLLER CHAIN WITH ATTACHMENTS*

Gli attacchi sotto raffigurati, possono essere assemblati, su di 1 solo lato, oppure sui 2 lati della catena “ITC”. È inoltre possibile identificare questi attacchi, utilizzando le designazioni sotto riportate:

The following attachments can be assembled on one side or on both sides of “ITC” chain. To identify these attachments the following designations can be used.

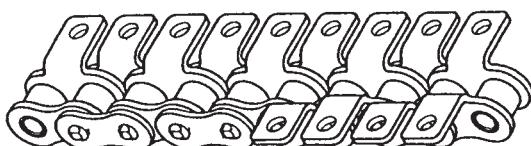
Attacchi da 1 solo lato / One side attachments

E1 E2 EM35 EM35-2 Etc.

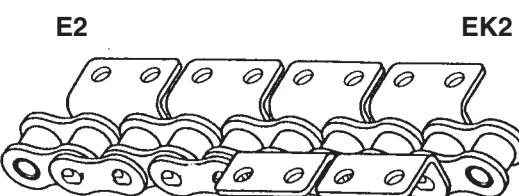
Attacchi sui 2 lati / Both sides attachments

EK1 EK2 EM1 EM2 Etc.

E1



EK1



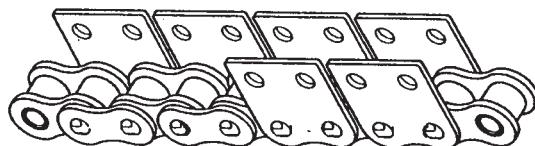
E2

EM35

EM1



EM35-2



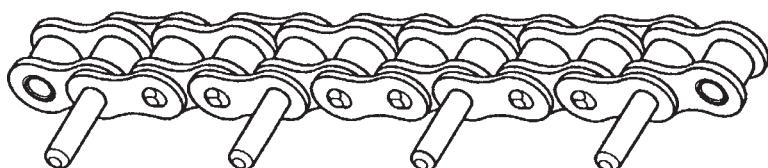
EM2

Quando però l'attacco, non è un'aletta, ma bensì un perno sporgente, la sigla d'identificazione muta come da suggerimento sotto riportato:

ED1 = ovvero quando l'attacco (in questo caso perno sporgente) è costituito da 1 pezzo per ogni maglia.

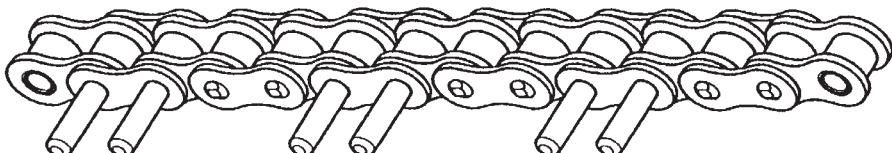
ED2 = ovvero quando l'attacco (in questo caso “perno sporgente”) è costituito da 2 pezzi per ogni maglia.

*When the attachments is not a “attachment linkplates” but a extending pin, the designations are the following:
ED1 = the attachment (extending pin) is formed by 1 pcs for each link.
ED2 = the attachment (in this case “projecting pin”), is formed by 2 pcs for each link.*



ED1

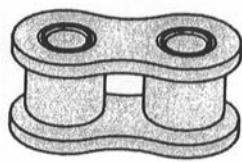
ED2



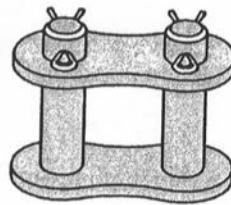
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PARTI STACCATE DETAILED DESCRIPTION

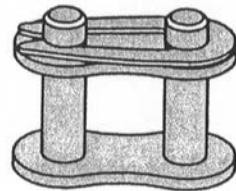
Maglia interna
Roller link



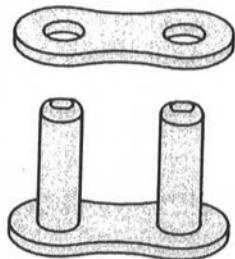
Giunto con copiglia
Connecting link with split pin



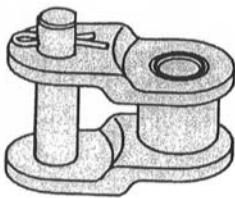
Giunto con molletta
Connecting link with spring clip



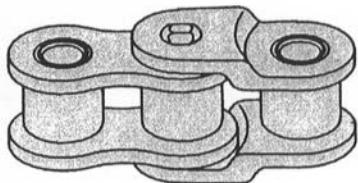
Maglia esterna
Pin link



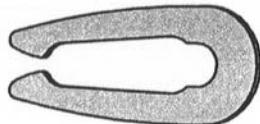
Falsa maglia con copiglia
Offset link with split pin



Falsa maglia a 3 rulli
3 rollers offset link



Molletta
Spring clip



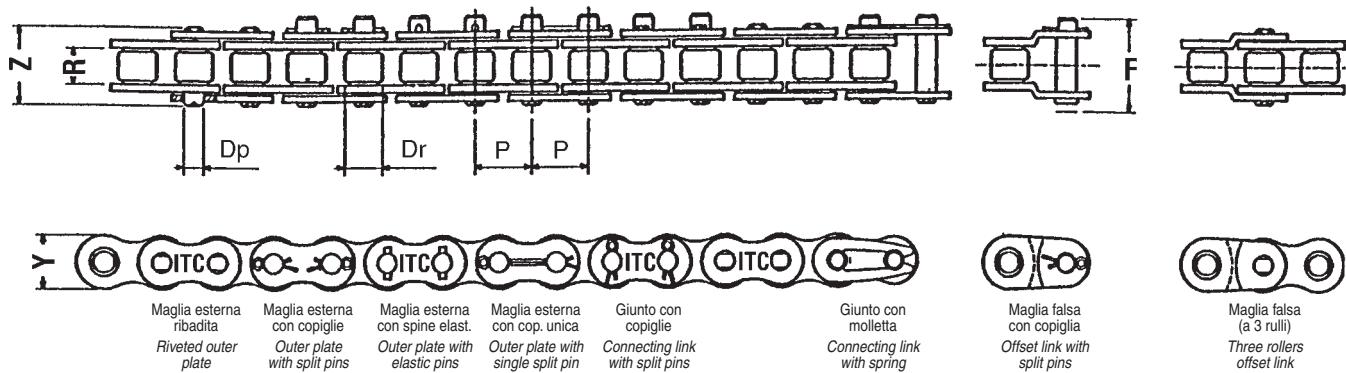
Perno
Pin



Copiglia
Split pin



TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI SEMPLICI
SINGLE STRAND ROLLER CHAINS

SERIE EUROPEA / EUROPEAN SERIES

| ISO N° | | Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|----------|-------|---------------------------|--|---|---|---|---|---|---|--|---|
| 03 B-1 | P5 | 5,00 | 3,2 | 2,5 | 1,49 | 4,1 | 7,4 | 9,9 | 6 | 2,100 | 0,08 |
| 04 B-1 | P6 | 6,00 | 4,00 | 2,8 | 1,85 | 5,00 | 7,4 | 9,9 | 8 | 2,950 | 0,14 |
| 05 B-1 | P8 | 8,00 | 5,00 | 3,00 | 2,31 | 7,11 | 8,3 | 13 | 11 | 4,650 | 0,16 |
| * 06 B-1 | 3/8 | 9,525 | 6,35 | 5,72 | 3,28 | 8,26 | 12,8 | 19 | 28 | 9,310 | 0,39 |
| 08 B-1 | 1/2 | 12,70 | 8,51 | 7,75 | 4,45 | 11,81 | 16,5 | 24 | 50 | 17,670 | 0,69 |
| 10 B-1 | 5/8 | 15,875 | 10,16 | 9,65 | 5,08 | 14,73 | 19,1 | 27 | 69 | 23,275 | 0,88 |
| 12 B-1 | 3/4 | 19,05 | 12,07 | 11,68 | 5,72 | 16,13 | 22,5 | 30 | 89 | 27,930 | 1,21 |
| 16 B-1 | 1" | 25,40 | 15,88 | 17,02 | 8,28 | 21,08 | 34,6 | 46 | 210 | 60,180 | 2,62 |
| 20 B-1 | 1"1/4 | 31,75 | 19,05 | 19,56 | 10,19 | 26,42 | 41,2 | 50 | 295 | 93,650 | 3,39 |
| 24 B-1 | 1"1/2 | 38,10 | 25,40 | 25,40 | 14,63 | 33,40 | 53,4 | 65 | 550 | 158,500 | 6,62 |
| 28 B-1 | 1"3/4 | 44,45 | 27,94 | 30,99 | 15,90 | 37,08 | 65,1 | 78 | 740 | 197,000 | 8,40 |
| 32 B-1 | 2" | 50,80 | 29,21 | 30,99 | 17,81 | 42,29 | 65,0 | 78 | 810 | 265,300 | 9,00 |
| - | 2"1/4 | 57,15 | 34,30 | 34,30 | 20,51 | 50,50 | 73,8 | 87 | 1040 | 302,500 | 13,50 |
| 40 B-1 | 2"1/2 | 63,50 | 39,37 | 38,10 | 22,89 | 52,96 | 79,9 | 102 | 1290 | 378,000 | 15,15 |
| 48 B-1 | 3" | 76,20 | 48,26 | 45,72 | 29,24 | 63,88 | 99,0 | 116 | 2050 | 559,000 | 24,65 |

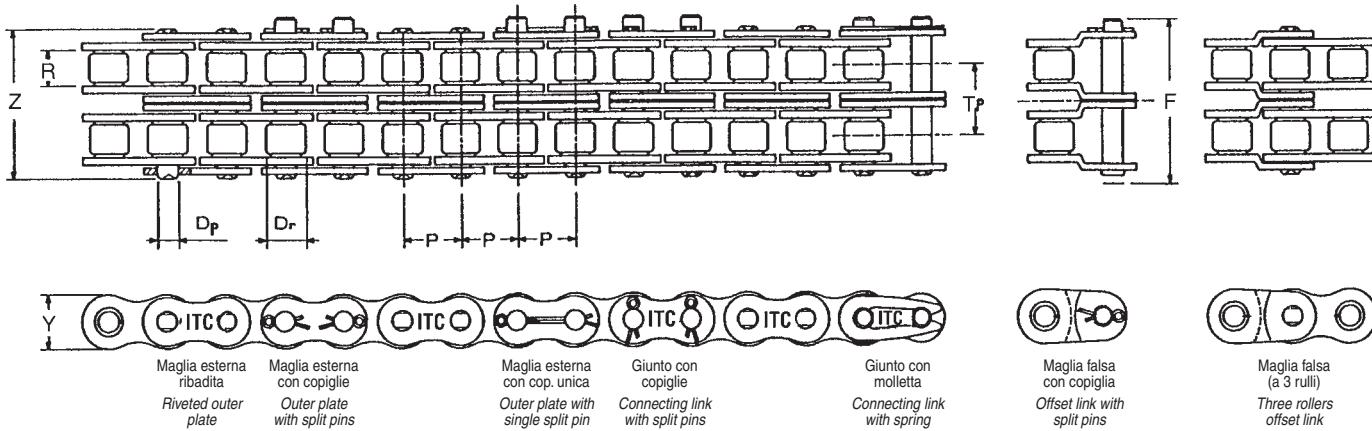
SERIE AMERICANA / AMERICAN SERIES

| ASA N° | ISO N° | Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|--------|--------|---------------------------|--|---|---|---|---|---|---|--|---|
| □ 25-1 | 04C-1 | 6,35 | 3,30 | 3,18 | 2,31 | 6,02 | 8,3 | 13 | 11 | 3,895 | 0,13 |
| □ 35-1 | 06C-1 | 9,525 | 5,08 | 4,77 | 3,58 | 9,05 | 12,5 | 17 | 27 | 9,310 | 0,33 |
| 40-1 | 08A-1 | 12,70 | 7,95 | 7,85 | 3,98 | 12,07 | 16,5 | 23 | 44 | 16,300 | 0,60 |
| 50-1 | 10A-1 | 15,875 | 10,16 | 9,40 | 5,09 | 15,09 | 20,5 | 28 | 70 | 24,700 | 1,01 |
| 60-1 | 12A-1 | 19,05 | 11,91 | 12,57 | 5,96 | 18,08 | 25,8 | 33 | 105 | 35,400 | 1,43 |
| 80-1 | 16A-1 | 25,40 | 15,88 | 15,75 | 7,94 | 24,13 | 33,5 | 40 | 180 | 61,500 | 2,57 |
| 100-1 | 20A-1 | 31,75 | 19,05 | 18,90 | 9,54 | 30,18 | 40,2 | 48 | 260 | 101,000 | 3,87 |
| 120-1 | 24A-1 | 38,10 | 22,23 | 25,22 | 11,11 | 36,20 | 50,4 | 60 | 390 | 144,500 | 5,65 |
| 140-1 | 28A-1 | 44,45 | 25,40 | 25,22 | 12,71 | 42,24 | 54,2 | 65 | 470 | 194,100 | 7,44 |
| 160-1 | 32A-1 | 50,80 | 28,58 | 31,55 | 14,29 | 48,26 | 64,5 | 77 | 645 | 245,000 | 9,74 |
| 200-1 | 40A-1 | 63,50 | 39,68 | 37,85 | 19,85 | 60,33 | 78,3 | 94 | 1.090 | 402,000 | 16,00 |
| 240-1 | 48A-1 | 76,20 | 47,63 | 47,35 | 23,81 | 72,39 | 95,5 | 115 | 1.610 | 552,000 | 24,00 |

* CON PIASTRE A PROFILO DIRITTO / STRAIGHT SIDE PLATES

□ CATENE A BUSSOLA / BUSH CHAINS

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI DOPPIE
DOUBLE STRAND ROLLER CHAINS

SERIE EUROPEA / EUROPEAN SERIES

| ISO N° | Passo Pitch | Diam. rullo max. Max roller diam. | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. | Altezza piastra max Inner plate depth Y mm | Passo trasv. Transverse pitch T _P mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Max width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso approx. Approx. weight Kg/m |
|-----------------|-------------|-----------------------------------|--|-------------------------------|--|---|--|--|---|--|----------------------------------|
| | P mm | Dr mm | R mm | D _P mm | | | | | | | |
| 04 B-2 | 6,00 | 4,00 | 2,8 | 1,85 | 5,0 | 5,5 | 13,3 | 16,2 | 14 | 5.800 | 0,23 |
| 05 B-2 | 8,00 | 5,00 | 3,00 | 2,31 | 7,11 | 5,64 | 14,0 | 20,2 | 21 | 8.600 | 0,31 |
| * 06 B-2 | 9,525 | 6,35 | 5,72 | 3,28 | 8,26 | 10,24 | 22,9 | 29,5 | 56 | 18.650 | 0,74 |
| 08 B-2 | 12,70 | 8,51 | 7,75 | 4,45 | 11,81 | 13,92 | 30,4 | 38,2 | 100 | 35.100 | 1,36 |
| 10 B-2 | 15,875 | 10,16 | 9,65 | 5,08 | 14,73 | 16,59 | 35,8 | 44,0 | 137 | 49.000 | 1,73 |
| 12 B-2 | 19,05 | 12,07 | 11,68 | 5,72 | 16,13 | 19,46 | 42,0 | 51,2 | 178 | 66.000 | 2,40 |
| 16 B-2 | 25,40 | 15,88 | 17,02 | 8,28 | 21,08 | 31,88 | 68,0 | 78,8 | 420 | 127.500 | 5,21 |
| 20 B-2 | 31,75 | 19,05 | 19,56 | 10,19 | 26,42 | 36,45 | 78,5 | 90,7 | 590 | 190.000 | 6,73 |
| 24 B-2 | 38,10 | 25,40 | 25,40 | 14,63 | 33,40 | 48,36 | 101,8 | 115,0 | 1.100 | 299.000 | 13,18 |
| 28 B-2 | 44,45 | 27,94 | 30,99 | 15,90 | 37,08 | 59,56 | 124,7 | 139,5 | 1.480 | 414.500 | 16,74 |
| 32 B-2 | 50,80 | 29,21 | 30,99 | 17,81 | 42,29 | 58,55 | 125,0 | 140,8 | 1.620 | 558.000 | 17,93 |
| 40 B-2 | 63,50 | 39,37 | 38,10 | 22,89 | 52,96 | 72,29 | 153,5 | 173,9 | 2.580 | 805.000 | 30,23 |
| 48 B-2 | 76,20 | 48,26 | 45,72 | 29,24 | 63,88 | 91,21 | 190,4 | 211,4 | 4.100 | 1.177.000 | 49,22 |

SERIE AMERICANA / AMERICAN SERIES

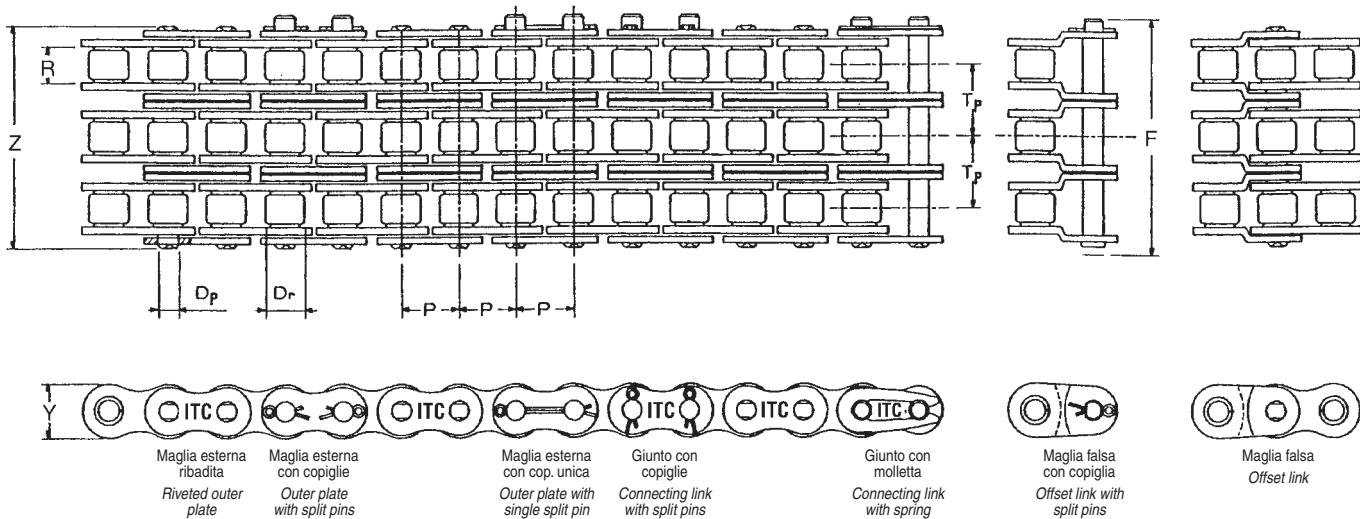
| ASA N° | ISO N° | Passo Pitch | Diam. rullo max. Max roller diam. | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. | Altezza piastra max Inner plate depth Y mm | Passo trasv. Transverse pitch T _P mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Max width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso approx. Approx. weight Kg/m |
|---------------|--------------|-------------|-----------------------------------|--|-------------------------------|--|---|--|--|---|--|----------------------------------|
| | | P mm | Dr mm | R mm | D _P mm | | | | | | | |
| □ 25-2 | 04C-2 | 6,35 | 3,30 | 3,18 | 2,31 | 6,02 | 6,40 | 14,6 | 19,4 | 22 | 8.200 | 0,25 |
| □ 35-2 | 06C-2 | 9,525 | 5,08 | 4,77 | 3,58 | 9,05 | 10,13 | 22,1 | 28,7 | 53 | 19.600 | 0,66 |
| 40-2 | 08A-2 | 12,70 | 7,95 | 7,85 | 3,98 | 12,07 | 14,38 | 30,9 | 38,6 | 88 | 34.300 | 1,20 |
| 50-2 | 10A-2 | 15,875 | 10,16 | 9,40 | 5,09 | 15,09 | 18,11 | 38,4 | 46,6 | 140 | 52.000 | 2,00 |
| 60-2 | 12A-2 | 19,05 | 11,91 | 12,57 | 5,96 | 18,08 | 22,70 | 48,8 | 58,0 | 210 | 74.500 | 2,84 |
| 80-2 | 16A-2 | 25,40 | 15,88 | 15,75 | 7,94 | 24,13 | 29,29 | 62,7 | 73,5 | 360 | 129.400 | 5,09 |
| 100-2 | 20A-2 | 31,75 | 19,05 | 18,90 | 9,54 | 30,18 | 35,76 | 76,5 | 88,7 | 520 | 211.800 | 7,68 |
| 120-2 | 24A-2 | 38,10 | 22,23 | 25,22 | 11,11 | 36,20 | 45,44 | 96,0 | 109,2 | 780 | 302.000 | 11,22 |
| 140-2 | 28A-2 | 44,45 | 25,40 | 25,22 | 12,71 | 42,24 | 48,87 | 103,5 | 118,3 | 940 | 407.900 | 14,74 |
| 160-2 | 32A-2 | 50,80 | 28,58 | 31,55 | 14,29 | 48,26 | 58,55 | 123,5 | 139,3 | 1.290 | 513.800 | 19,31 |
| 200-2 | 40A-2 | 63,50 | 39,68 | 37,85 | 19,85 | 60,33 | 71,55 | 150,4 | 170,8 | 2.180 | 843.200 | 31,76 |
| 240-2 | 48A-2 | 76,20 | 47,63 | 47,35 | 23,81 | 72,39 | 87,83 | 183,4 | 204,4 | 3.220 | 1.157.100 | 47,70 |

* CON PIASTRE A PROFILO DIRITTO / STRAIGHT SIDE PLATES

□ CATENE A BUSSOLA / BUSH CHAIN

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI TRIPLE TRIPLE STRAND ROLLER CHAINS



SERIE EUROPEA / EUROPEAN SERIES

| ISO N° | Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Passo trasm. Transverse pitch Tp mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Max width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|-----------------|---------------------|---|--|---|--|---|--|--|--|---|------------------------------------|
| 05 B-3 | 8,00 | 5,00 | 3,00 | 2,31 | 7,11 | 5,64 | 19,9 | 23,0 | 32 | 10.200 | 0,53 |
| * 06 B-3 | 9,525 | 6,35 | 5,72 | 3,28 | 8,26 | 10,24 | 33,2 | 39,8 | 84 | 26.450 | 1,13 |
| 08 B-3 | 12,70 | 8,51 | 7,75 | 4,45 | 11,81 | 13,92 | 44,3 | 52,1 | 156 | 51.950 | 2,05 |
| 10 B-3 | 15,875 | 10,16 | 9,65 | 5,08 | 14,73 | 16,59 | 52,3 | 60,5 | 206 | 73.550 | 2,60 |
| 12 B-3 | 19,05 | 12,07 | 11,68 | 5,72 | 16,13 | 19,46 | 61,5 | 70,7 | 267 | 88.250 | 3,59 |
| 16 B-3 | 25,40 | 15,88 | 17,02 | 8,28 | 21,08 | 31,88 | 99,9 | 110,7 | 630 | 176.500 | 7,80 |
| 20 B-3 | 31,75 | 19,05 | 19,56 | 10,19 | 26,42 | 36,45 | 115,0 | 127,2 | 885 | 284.700 | 10,07 |
| 24 B-3 | 38,10 | 25,40 | 25,40 | 14,63 | 33,40 | 48,36 | 150,2 | 163,2 | 1.650 | 439.250 | 19,74 |
| 28 B-3 | 44,45 | 27,94 | 30,99 | 15,90 | 37,08 | 59,56 | 184,3 | 199,1 | 2.220 | 558.950 | 25,08 |
| 32 B-3 | 50,80 | 29,21 | 30,99 | 17,81 | 42,29 | 58,55 | 183,0 | 198,8 | 2.430 | 750.500 | 26,86 |
| 40 B-3 | 63,50 | 39,37 | 38,10 | 22,89 | 52,96 | 72,29 | 226,0 | 246,4 | 3.870 | 1.147.350 | 45,13 |
| 48 B-3 | 76,20 | 48,26 | 45,72 | 29,24 | 63,88 | 91,21 | 281,6 | 302,6 | 6.150 | 1.765.150 | 73,79 |

SERIE AMERICANA / AMERICAN SERIES

| ASA N° | ISO N° | Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Passo trasm. Transverse pitch Tp mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Max width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|--------------------------------------|--------|---------------------|---|--|---|--|---|--|--|--|---|------------------------------------|
| <input type="checkbox"/> 35-3 | 06C-3 | 9,525 | 5,08 | 4,77 | 3,58 | 9,05 | 10,13 | 32,2 | 38,9 | 80 | 29.400 | 0,99 |
| 40-3 | 08A-3 | 12,70 | 7,95 | 7,85 | 3,98 | 12,07 | 14,38 | 45,3 | 53,1 | 132 | 51.450 | 1,80 |
| 50-3 | 10A-3 | 15,875 | 10,16 | 9,40 | 5,09 | 15,09 | 18,11 | 56,4 | 64,5 | 210 | 78.000 | 3,00 |
| 60-3 | 12A-3 | 19,05 | 11,91 | 12,57 | 5,96 | 18,08 | 22,70 | 71,7 | 80,8 | 315 | 111.800 | 4,25 |
| 80-3 | 16A-3 | 25,40 | 15,88 | 15,75 | 7,94 | 24,13 | 29,29 | 91,7 | 102,5 | 540 | 194.150 | 7,61 |
| 100-3 | 20A-3 | 31,75 | 19,05 | 18,90 | 9,54 | 30,18 | 35,76 | 112,5 | 124,7 | 780 | 317.750 | 11,49 |
| 120-3 | 24A-3 | 38,10 | 22,23 | 25,22 | 11,11 | 36,20 | 45,44 | 141,7 | 154,9 | 1.170 | 453.100 | 16,79 |
| 140-3 | 28A-3 | 44,45 | 25,40 | 25,22 | 12,71 | 42,24 | 48,87 | 152,4 | 167,2 | 1.410 | 611.900 | 22,04 |
| 160-3 | 32A-3 | 50,80 | 28,58 | 31,55 | 14,29 | 48,26 | 58,55 | 182,5 | 198,3 | 1.935 | 770.800 | 28,88 |
| 200-3 | 40A-3 | 63,50 | 39,68 | 37,85 | 19,85 | 60,33 | 71,55 | 222,5 | 242,9 | 3.270 | 1.265.000 | 47,52 |
| 240-3 | 48A-3 | 76,20 | 47,63 | 47,35 | 23,81 | 72,39 | 87,83 | 271,3 | 292,3 | 4.830 | 1.735.750 | 71,40 |

* CON PIASTRE A PROFilo DIRITTO / STRAIGHT SIDE PLATES

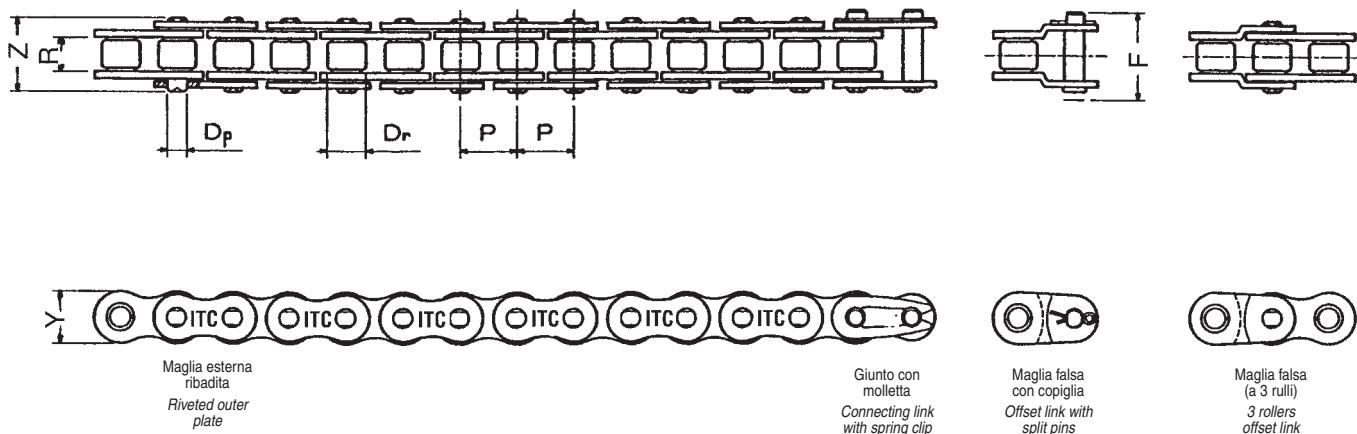
CATENE A BUSSOLA / BUSH CHAINS

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI ROLLER CHAINS

CATENE PER BICICLETTA E CICLOMOTORI
CHAINS FOR BICYCLES AND MOTOR CYCLES

Nota: Tutte le dimensioni indicate, sono espresse in mm.
Note: All dimensions are expressed in mm.



| APPELLATIVO TYPE | ISO N° | Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|---------------------|--------|---------------------------|--|---|---|---|---|---|---|--|---|
| 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 | 8,51 | 5,21 | 4,45 | 11,81 | 14,5 | 22 | 40 | 17.900 | 0,60 |
| | - | 15,875 | 10,16 | 6,48 | 5,08 | 14,73 | 17,5 | 26 | 54 | 23.565 | 0,80 |

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI, PER CURVE (serie SIDE BOW) (*SIDE BOW series*) ROLLER CHAINS

Si tratta di catene a rulli; snodabili nei piani verticale ed orizzontale.

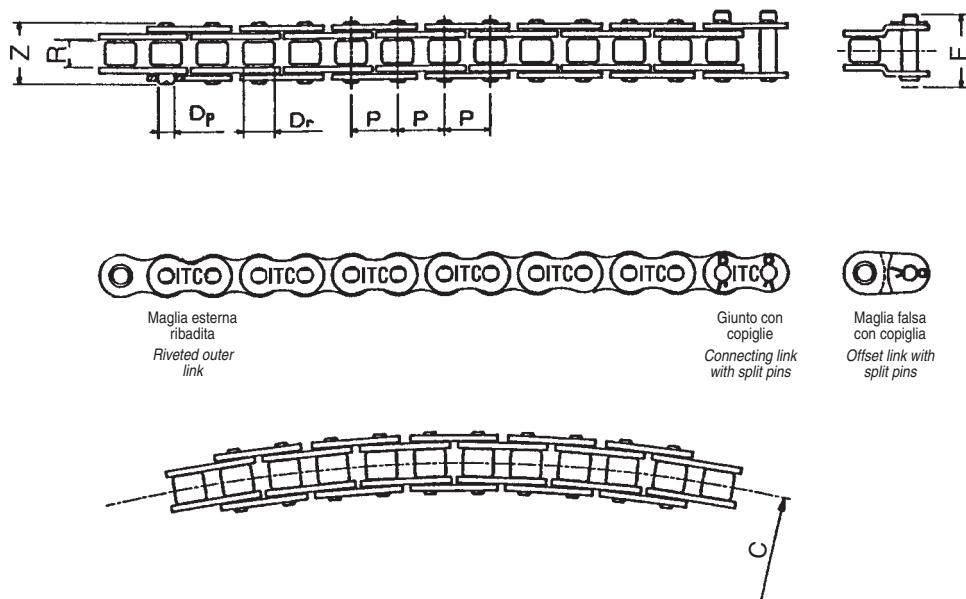
Comunemente utilizzate come catene per trasporto, nel caso si debbano eseguire particolari percorsi curvilinei, fino a raggiungere curve di 180°, od anche, per la motorizzazione di rulli per trasportatori con tappeti a percorso curvilineo.

Su richiesta, si possono fornire catene con attacchi speciali.

These are untied roller chains on both vertical and horizontal surface. Normally used as chains for transport and especially requested when curvilinear ways are present, these chains can reach 180° curves.

They are also suitable for the motorization of rollers for conveyors with curvilinear way.

Under request, chains with special attachments can be supplied.



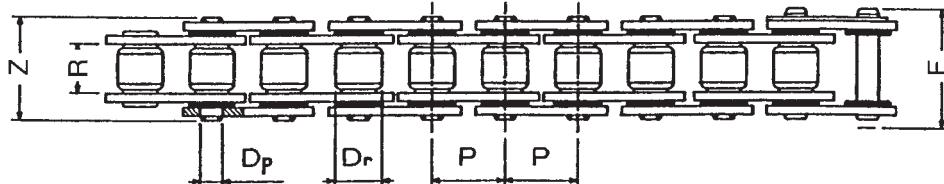
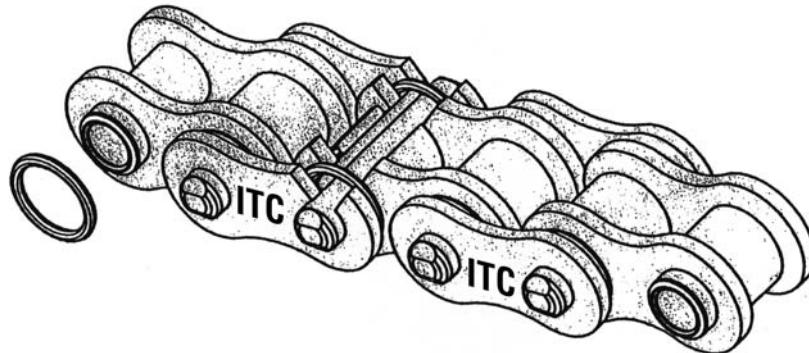
| TIPO DI CATENA TYPE OF CHAIN | Carico rottura Breaking load kg. ca. | Peso per metro Weight per mt. kg. ca. | P | R | Dr | F | Raggio minimo di curvatura Min. radius of curvature C |
|---------------------------------|--|---|-----------------|-------|-------|------|---|
| | | | millimetri / mm | | | | |
| ASA 35 SB | 820 | 0,30 | 9,525 = 3/8" | 4,9 | 5,08 | 17 | 255 |
| ASA 40 SB | 1100 | 0,60 | 12,7 = 1/2" | 7,95 | 7,95 | 23 | 360 |
| ASA 50 SB | 2100 | 1,00 | 15,875 = 5/8" | 9,5 | 10,16 | 28 | 410 |
| ASA 60 SB | 2750 | 1,40 | 19,05 = 3/4" | 12,7 | 11,9 | 33 | 550 |
| ASA 80 SB | 6100 | 2,40 | 25,4 = 1" | 15,88 | 15,88 | 35,5 | 915 |
| C 2050 SB | 2100 | 0,70 | 31,75 = 1 1/4" | 9,5 | 10,16 | 28 | 770 |

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI, CON O-RING ROLLER CHAINS WITH O-RING

Negli impieghi critici, laddove la lubrificazione richiesta è di vitale importanza, il sistema di sigillatura delle parti sottoposte ad usura, fra perni e bussola, è salvaguardato dall'adozione della guarnizione ad anello "O-Ring". Tale applicazione si rende necessaria nel caso in cui, non sia possibile attivare la lubrificazione tradizionale.

Where uses are critic and lubrication is very important, the sealing system of the parts under wear and tear (between pins and sleeve) is protected by using the "O-Ring" seal. This application is necessary when the traditional lubrication cannot be performed.



Maglia esterna
ribadita
Riveted outer
plate

Giunto con
molletta
Connecting link
with spring

| ISO N° | Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. int. min. Width between plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|---------|---------------------------|--|---|---|---|---|---|---|--|---|
| 1/2' OR | 12,70 | 8,51 | 7,75 | 4,45 | 12,00 | 20,30 | 24 | 52 | 21.150 | 0,79 |
| 5/8' OR | 15,875 | 10,16 | 6,48 | 5,31 | 14,90 | 21,20 | 25 | 74 | 30.200 | 1,12 |
| 5/8' OR | 15,875 | 10,16 | 9,65 | 5,31 | 14,90 | 24,50 | 28 | 90 | 30.200 | 1,22 |
| 3/4' OR | 19,05 | 11,91 | 12,58 | 5,96 | 18,08 | 27,60 | 34 | 118 | 35.750 | 1,58 |

AISI 304 L

GRADO DI RESISTENZA ALLA CORROSIONE

CORROSION RESISTANCE GUIDE

| AGENTE CORROSIVO CORROSIVE AGENT | CONCENTRAZIONE CONCENTRATION % | TEMPERATURA TEMPERATURE °C | 304 L |
|---|--------------------------------------|----------------------------------|-------|
| ACETO / VINEGAR | | 20 | A |
| ACIDO ACETICO / ACETIC ACID | 5-100 | 20 | A |
| | 50 | Bollente / Boiling | C |
| ACIDO BUTIRRICO / BUTYRIC ACID | 5-10 | 20-65 | A |
| | 5 | 20-65 | A |
| ACIDO CITRICO / CITRIC ACID | 15 | Bollente / Boiling | A |
| ACIDO CLORIDRICO / HYDROCHLORIC ACID | | 20 | E |
| | 5 | 20 | A |
| ACIDO CROMICO / CHROMIC ACID | 10 | Bollente / Boiling | C |
| | 10 | 20 | A |
| ACIDO FORMICO / FORMIC ACID | 10 | 50 | B |
| | 1 | 20 | A |
| ACIDO FOSFORICO / PHOSPHORIC ACID | 5-10 | 20 | C |
| | 5 | 20 | A |
| ACIDO LATTICO / LACTIC ACID | 5 | 65 | B |
| | 10 | 20 | A |
| | 10 | Bollente / Boiling | B |
| | 5-50 | 20 | A |
| ACIDO NITRICO / NITRIC ACID | 50 | Bollente / Boiling | A |
| | 100 | Bollente / Boiling | D |
| ACIDO OLEICO / OLEIC ACID | 100 | 20 | B |
| | 5 | 20 | A |
| | 5 | Bollente / Boiling | E |
| ACIDO SOLFORICO / SULPHURIC ACID | 50 | 20 | D |
| | 50 | Bollente / Boiling | E |
| | 100 | 20 | A |
| | 100 | Bollente / Boiling | D |
| ACIDO TARTARICO / TARTAR ACID | 10 | 20-65 | A |
| ACQUA DOLCE / WATER | | | A |
| ACQUA MARINA / SEA WATER | | | A |
| ALCOOL ETILICO / ETHYL ALCOHOL | | 20 - Bollente / Boiling | A |
| ALCOOL METILICO / METHYL ALCOHOL | | 20 | A |
| AMMONIACA / ACQUA AMMONIA | | 65 | C |
| | | 20 | A |
| BENZINA / GASOLINE | | 20 | A |
| BIRRA / BEER | | | A |
| CAFFÈ / COFFEE | | Bollente / Boiling | A |
| CARBONATO DI SODIO / SODIUM CARBONATE | 5 | 20-65 | A |
| CLOROFORMIO / CHLOROFORM | | 20 | A |
| CLORURO FERRICO / FERRIC CHLORIDE | 1 | 20 | B |
| | 5 | 20 | D |
| CLORURO DI SODIO / SODIUM CHLORIDE | 5-20 | 20-65 | A |
| CLORURO DI ZINCO / ZINC CHLORIDE | 5 | 20 | A |
| GELATINA / GELATINE | | | A |
| GLICERINA / GLYCERINE | | | A |
| IDROSSIDO DI CALCIO / HYDROXIDE CALCIUM | 10-20 | Bollente / Boiling | A |
| | 50 | Bollente / Boiling | C |
| KETCHUP / KETCHUP | | 20 | A |
| LATTE / MILK | | 65 | A |
| MAYONNAISE / MAYONNAISE | | 20 | A |
| SAPONE / SOAP | | 20 | A |
| SCIROPPO / SYRUP | | | A |
| SOLFATO DI ZINCO / ZINC SULPHATE | 5-100 | 20 | A |
| SUCCHI DI FRUTTA / FRUIT JUICE | | | A |
| TISOLFATO DI SODIO / SODIUM THIOSULFATE | 5-10 | 20-65 | A |
| TRICLOROETILENE / TRICHLOROETHYLENE | 100 | 20 | C |
| VERNICI / PAINT | | | A |
| VINO / WINE | | | A |
| WHISKY / WHISKY | | | A |
| ZUCCHERO DI CANNA / CANE SUGAR | | | A |

A: ECCELLENTE / EXCELLENT (Corrosion Rate below 0.0089 mm/month)

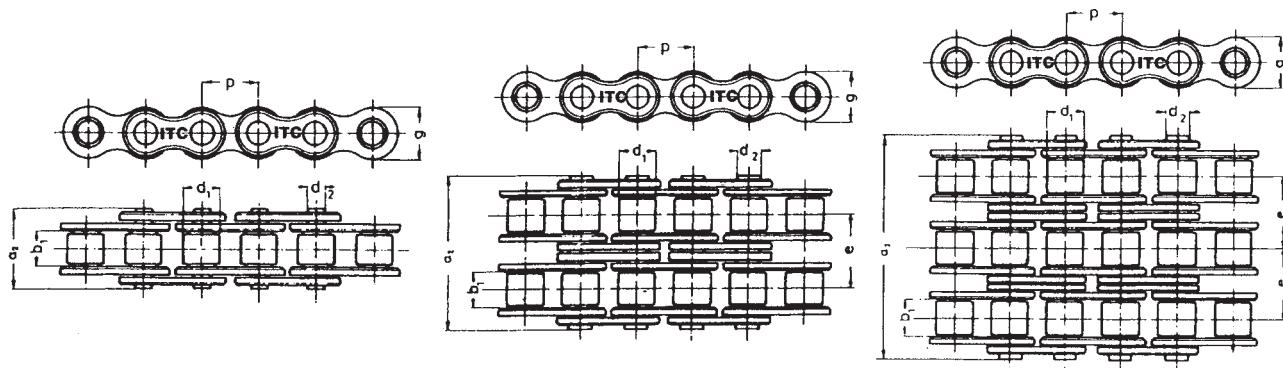
B: SODDISFALENTE / SATISFACTORY (Corrosion Rate 0.0089-0.089 mm/month)

C: MARGINALE / MARGINALE (Corrosion Rate 0.089-0.25 mm/month)

D: INSODDISFALENTE / UNSATISFACTORY (Corrosion Rate 0.25-0.89 mm/month)

E: NON RACCOMANDABILE / NOT RECOMMENDABLE (Corrosion Rate over 0.89 mm/month)

CATENE A RULLI IN ACCIAIO “INOX AISI 304” “AISI 304” STAINLESS STEEL ROLLER CHAINS



CATENA A RULLI SEMPLICE - DIN 8187 “AISI 304” SINGLE STRAND ROLLER CHAIN - DIN 8187 “AISI 304”

| ISO N° | p | | b ₁ mm min. | d ₂ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | F _B min N | q kg/m ≈ |
|--------|--------|------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|----------------------------|----------------|
| | mm | inch | | | | | | | |
| 05B-1 | 8 | — | 3,00 | 2,31 | 5,00 | 8,6 | 7,11 | 2.400 | 0,18 |
| 06B-1 | 9,525 | 3/8" | 5,72 | 3,28 | 6,35 | 13,5 | 8,26 | 6.000 | 0,41 |
| 08B-1 | 12,7 | 1/2" | 7,75 | 4,45 | 8,51 | 17,0 | 11,81 | 10.000 | 0,70 |
| 10B-1 | 15,875 | 5/8" | 9,65 | 5,08 | 10,16 | 19,6 | 14,73 | 13.000 | 0,95 |
| 12B-1 | 19,05 | 3/4" | 11,68 | 5,72 | 12,07 | 22,7 | 16,13 | 17.000 | 1,25 |
| 16B-1 | 25,4 | 1" | 17,02 | 8,28 | 15,88 | 36,1 | 21,08 | 37.000 | 2,70 |

CATENA A RULLI DOPPIA - DIN 8187 “AISI 304” DOUBLE STRAND ROLLER CHAIN - DIN 8187 “AISI 304”

| ISO N° | p | | b ₁ mm min. | d ₂ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | e mm | F _B min N | q kg/m ≈ |
|--------|--------|------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|---------|----------------------------|----------------|
| | mm | inch | | | | | | | | |
| 06B-2 | 9,525 | 3/8" | 5,72 | 3,28 | 6,35 | 23,8 | 8,26 | 10,24 | 10.000 | 0,78 |
| 08B-2 | 12,7 | 1/2" | 7,75 | 4,45 | 8,51 | 31,0 | 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 | 25,4 | 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 “AISI 304”

| ISO N° | p | | b ₁ mm min. | d ₂ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | e mm | F _B min N | q kg/m ≈ |
|--------|--------|------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|---------|----------------------------|----------------|
| | mm | inch | | | | | | | | |
| 06B-3 | 9,525 | 3/8" | 5,72 | 3,28 | 6,35 | 34,0 | 8,26 | 10,24 | 14.000 | 1,2 |
| 08B-3 | 12,7 | 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 | 25,4 | 1" | 17,02 | 8,28 | 15,88 | 99,9 | 21,08 | 31,88 | 99.000 | 8,0 |

CATENA A RULLI SEMPLICI - DIN 8188 “AISI” ASA “AISI 304” SINGLE STRAND ROLLER CHAIN - DIN 8188 “AISI” ASA “AISI 304”

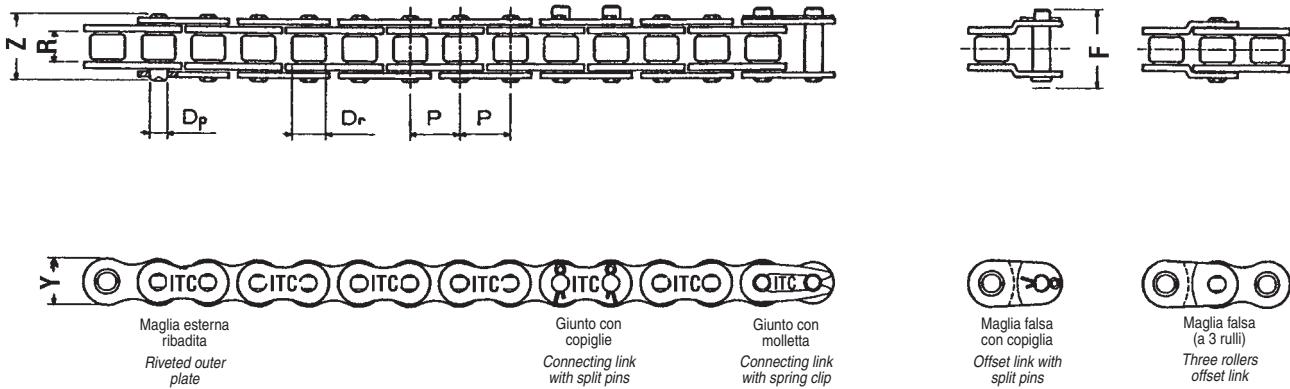
| ASA N° | p | | b ₁ mm min. | d ₂ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | e mm | F _B min N | q kg/m ≈ |
|--------|--------|------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|---------|----------------------------|----------------|
| | mm | inch | | | | | | | | |
| 40-1 | 12,7 | 1/2" | 7,95 | 3,96 | 7,92 | 17,8 | 12,07 | 10.000 | 0,61 | |
| 50-1 | 15,875 | 5/8" | 9,53 | 5,08 | 10,16 | 21,8 | 15,09 | 14.000 | 1,01 | |
| 60-1 | 19,05 | 3/4" | 12,70 | 5,94 | 11,91 | 26,9 | 18,08 | 19.000 | 1,47 | |
| 80-1 | 25,4 | 1" | 15,88 | 7,92 | 15,88 | 33,5 | 24,13 | 37.000 | 2,57 | |

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI, CON TRATTAMENTO DI NICHELATURA SUPERFICIALE ROLLER CHAINS, WITH SUPERFICIAL NICKEL-PLATED TREATMENT

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, e 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 tecno-mecaniche.

These chains are superficially treated 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).



SERIE EUROPEA / EUROPEAN SERIES

| ISO N° | Passo Pitch P mm | Diam. rullo max. Max. roller diam. Dr mm | Largh. Int. min. Width between plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|--------------|---------------------------|---|---|---|---|---|---|---|--|---|
| 06B-1 | 9,525 | 6,35 | 5,72 | 3,28 | 8,26 | 12,8 | 19 | 28 | 9.500 | 0,39 |
| 08B-1 | 12,70 | 8,51 | 7,75 | 4,45 | 11,81 | 16,5 | 24 | 50 | 17.950 | 0,69 |
| 10B-1 | 15,875 | 10,16 | 9,65 | 5,08 | 14,73 | 19,1 | 27 | 69 | 22.900 | 0,88 |
| 12B-1 | 19,05 | 12,07 | 11,68 | 5,72 | 16,13 | 22,5 | 30 | 89 | 27.000 | 1,21 |
| 16B-1 | 25,40 | 15,88 | 17,02 | 8,28 | 21,08 | 34,6 | 46 | 210 | 61.000 | 2,62 |

TRASPORTO LEGGERO / LIGHT TRANSPORT

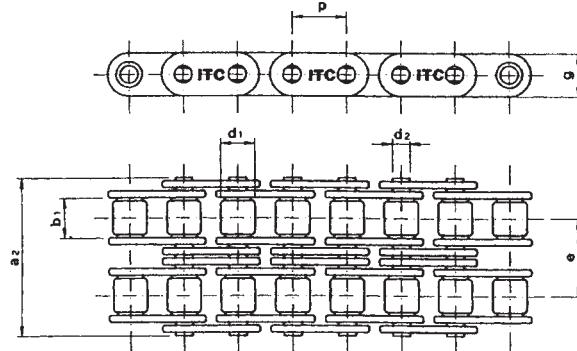
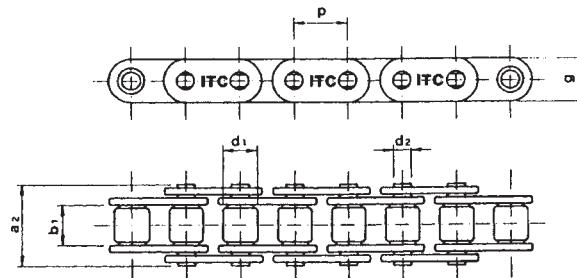
CATENE A RULLI, CON PIASTRE A PROFILO DIRITTO ROLLER CHAINS WITH STRAIGHT SIDE PLATES

Particolamente adatte all'utilizzo in applicazioni, laddove si renda necessario trasportare scatole, o cartonati in genere, pallets.

Dette catene, scorrendo sulle piastre, strisciando, evitano eventuali danneggiamenti alle parti a contatto con essa, dei colli trasportati.

Particularly suitable for pallets, boxes and cardboards transports.

These chains slide on plates, avoiding therefore possible damages of transported packages.



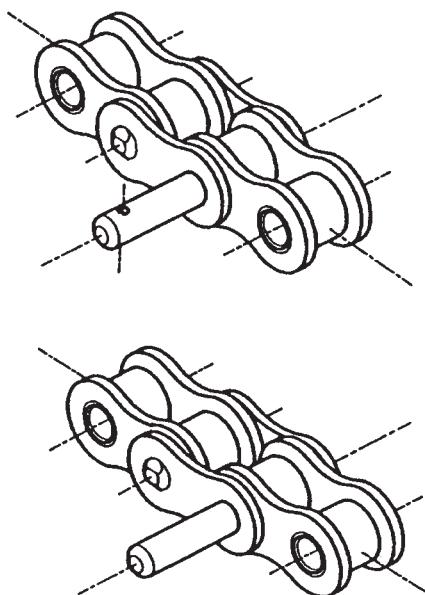
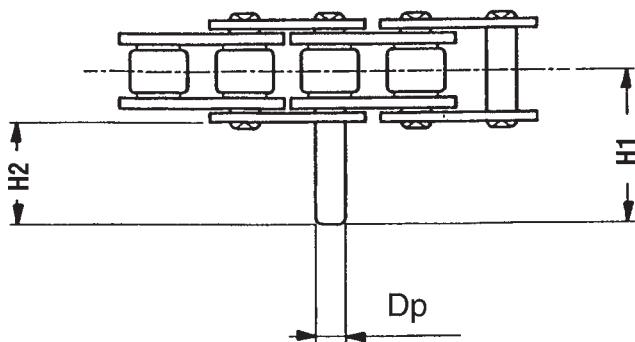
CATENA A RULLI SEMPLICE - DIN 8187 SINGLE STRAND ROLLER CHAIN - DIN 8187

| ISO N° | p | | b ₁ mm min. | d ₂ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | F _B min N | q kg/m ≈ |
|--------------|--------|--------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|----------------------------|----------------|
| | mm | inch | | | | | | | |
| 08B-1 | 12,7 | 1/2" | 7,75 | 4,45 | 8,51 | 17 | 11,5 | 18.900 | 0,78 |
| 10B-1 | 15,875 | 5/8" | 9,65 | 5,08 | 10,16 | 19,6 | 13,9 | 22.700 | 1,03 |
| 12B-1 | 19,05 | 3/4" | 11,68 | 5,72 | 12,07 | 22,7 | 16,1 | 29.500 | 1,30 |
| 16B-1 | 25,4 | 1" | 17,02 | 8,28 | 15,88 | 36,1 | 21 | 58.000 | 2,90 |
| 20B-1 | 31,75 | 1" 1/4 | 19,59 | 10,19 | 19,05 | 43,2 | 26,2 | 95.000 | 4,15 |

CATENA A RULLI DOPPIA - DIN 8187 DOUBLE STRAND ROLLER CHAIN - DIN 8187

| ISO N° | p | | b ₁ mm min. | d ₂ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | e mm | F _B min N | q kg/m ≈ |
|--------------|--------|---------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|---------|----------------------------|----------------|
| | mm | inch | | | | | | | | |
| 10B-2 | 15,875 | 5/8" | 9,65 | 5,08 | 10,16 | 36,2 | 13,9 | 16,59 | 45.400 | 1,95 |
| 12B-2 | 19,05 | 3/4" | 11,68 | 5,72 | 12,07 | 42,2 | 16,1 | 19,46 | 59.000 | 2,60 |
| 16B-2 | 25,4 | 1" | 17,02 | 8,28 | 15,88 | 68,0 | 21,0 | 31,88 | 110.000 | 5,70 |
| 20B-2 | 31,75 | 1" 1/4" | 19,59 | 10,19 | 19,05 | 79,7 | 26,2 | 35,45 | 180.000 | 7,80 |

TRASPORTO LEGGERO / LIGHT TRANSPORT

ATTACCHI "ED" PER CATENE A RULLI SEMPLICI
"ED" ATTACHMENTS FOR SINGLE STRAND ROLLER CHAINS

SERIE EUROPEA / EUROPEAN SERIES

| ISO N° | Passo Pitch | Diam. perno max Max pin diam. Dp mm | H2 mm | H1 mm |
|--------|----------------|--|----------|----------|
| | P mm | | | |
| 06B * | 9,525 | 3,28 | 11,0 | 16,5 |
| 08B | 12,70 | 4,45 | 14,9 | 22,1 |
| 10B | 15,875 | 5,08 | 17,5 | 26,1 |
| 12B | 19,05 | 5,72 | 20,7 | 30,5 |
| 16B | 25,40 | 8,28 | 33,9 | 49,9 |

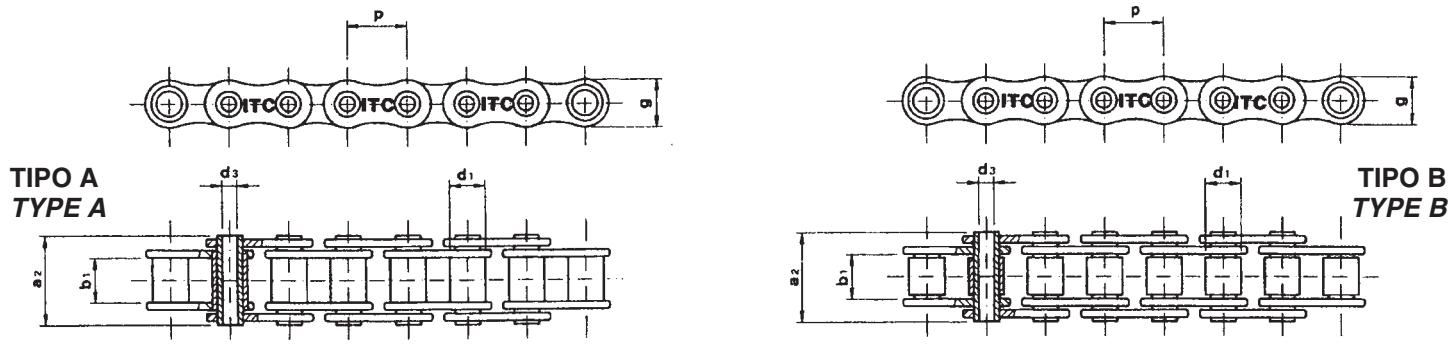
SERIE AMERICANA / AMERICAN SERIES

| ISO N° | Passo Pitch | Diam. perno max Max pin diam. Dp mm | H2 mm | H1 mm |
|--------|----------------|--|----------|----------|
| | P mm | | | |
| A 35 | 9,525 | 3,58 | 9,5 | 14,7 |
| A 40 | 12,70 | 3,98 | 9,5 | 16,7 |
| A 50 | 15,875 | 5,09 | 11,9 | 21,0 |
| A 60 | 19,05 | 5,96 | 14,3 | 25,8 |
| A 80 | 25,40 | 7,94 | 19,0 | 33,7 |
| A 100 | 31,75 | 9,54 | 23,8 | 41,7 |
| A 120 | 38,10 | 11,11 | 28,6 | 51,4 |
| A 140 | 44,45 | 12,71 | 33,0 | 57,5 |
| A 160 | 50,80 | 17,46 | 38,1 | 67,4 |

* CATENA CON PIASTRE A PROFILO DIRITTO / CHAIN WITH STRAIGHT SIDE PLATES

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENA A RULLI, A PERNI FORATI ROLLER CHAIN WITH HOLLOW PINS



| ISO N° | P | | b ₁ mm min. | d ₃ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | F _B min N | q kg/m ≈ | TIPO TYPE |
|--------------|--------|------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|----------------------------|----------------|--------------|
| | mm | inch | | | | | | | | |
| 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 |

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE SPECIALI PER MACCHINE TERMOFORMATRICI SPECIAL CHAINS FOR THERMOFORMING MACHINERIES

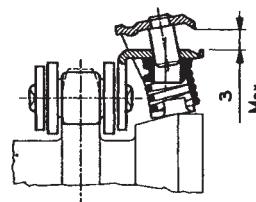
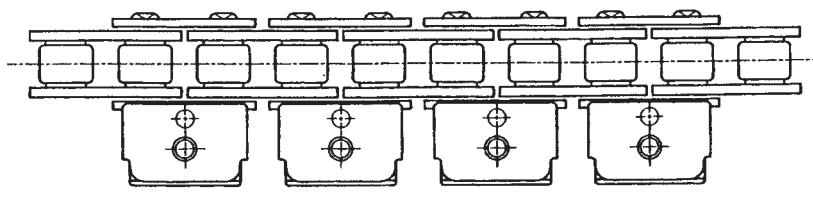
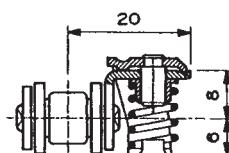
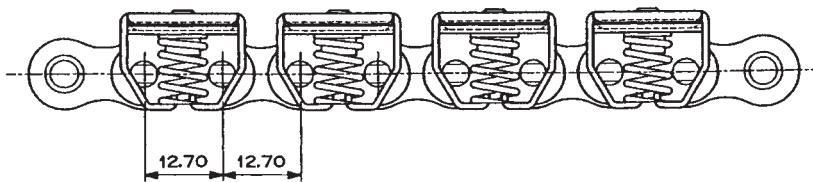
Ideate per il trasporto di films in poliuretano, queste catene (di passo 1/2x5/16), vengono utilizzate nelle macchine per l'imballaggio di prodotti alimentari, riviste, ed imballaggi in genere, laddove venga richiesta la "termo formatura a vuoto".

Di diverso spessore e consistenza può essere il film, o pellicola da trasportare, mentre per quanto concerne i componenti di detta catena, da ricordare che la "catena base" è prevista in Acciaio Nikelato superficialmente, mentre le "pinze" laterali sono previste in Acciaio inossidabile.

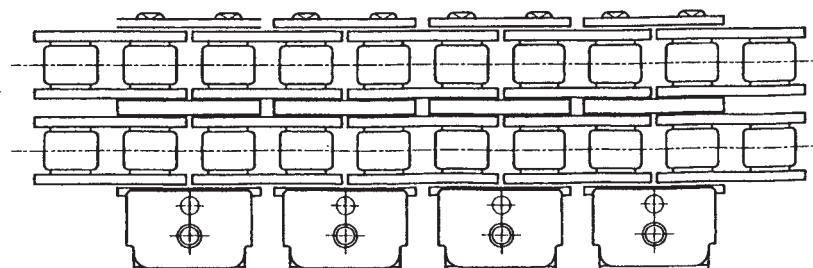
Suitable for polyurethan films transport, these chains (their pitch is 1/2x5/16) are utilized in machineries for package of any kind (foods and magazines for example) where "vacuum forming" is required.

The films can have a different thickness or consistence whereas concerning chain components, the "standard chain" has its surface made of nickel-plated steel and its lateral "pliers" made of stainless steel.

ITC-08B-1 FILM



ITC-08B-2 FILM



TRASPORTO LEGGERO / LIGHT TRANSPORT

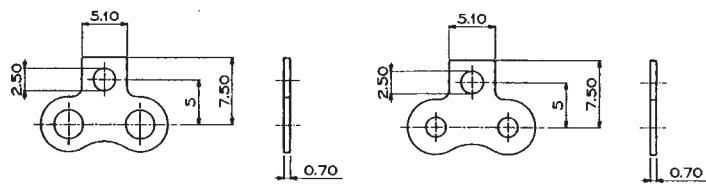
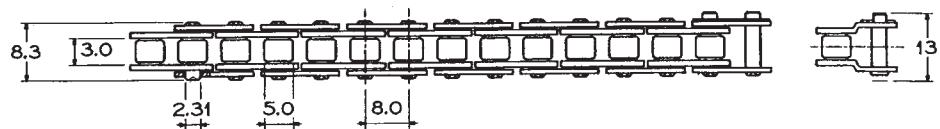
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" Passo 8 (ISO 05B) - Passo 8 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain Pitch 8 (ISO 05B) - Pitch 8 mm.

Note: All dimensions are expressed in mm.



ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



EM 35

EM1

TRASPORTO LEGGERO / LIGHT TRANSPORT

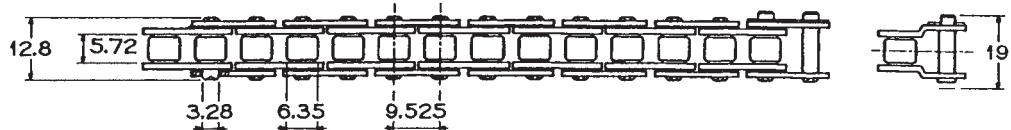
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 3/8" (ISO 06B) - Passo 9,525 mm.

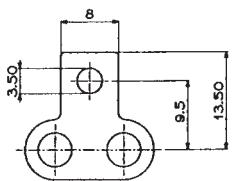
For "ITC" chain 3/8" (ISO 06B) - Pitch 9,525 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

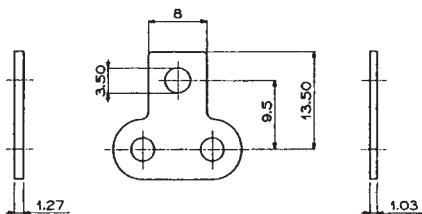
Note: All dimensions are expressed in mm.



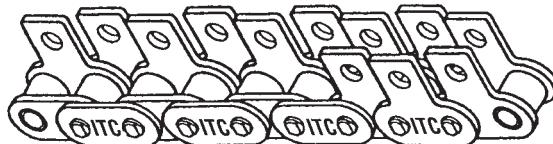
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT

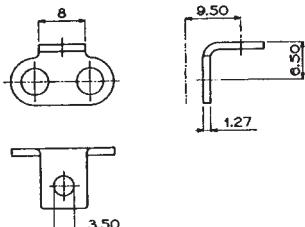


EM 35

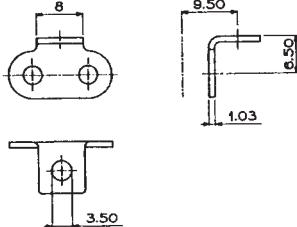


EM1

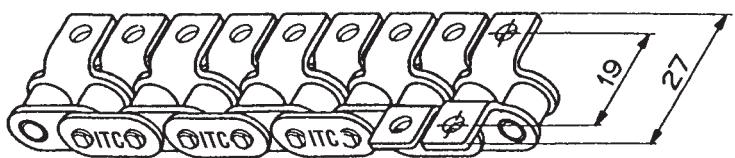
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT

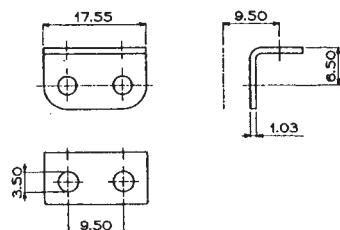


E1

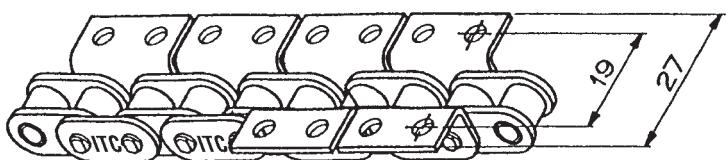


EK1

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



E2



EK2

TRASPORTO LEGGERO / LIGHT TRANSPORT

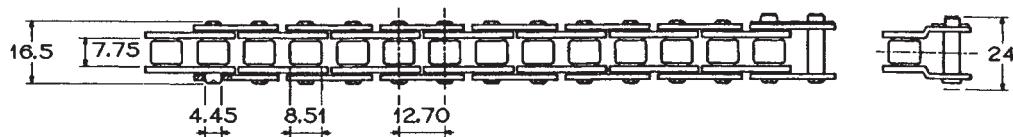
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 1/2x5/16" (ISO 08B) - Passo 12,70 mm.

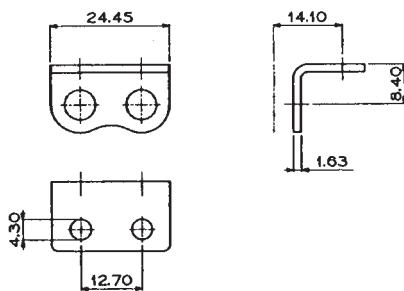
Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 1/2X5/16" (ISO 08B) - Pitch 12,70 mm.

Note: All dimensions are expressed in mm.

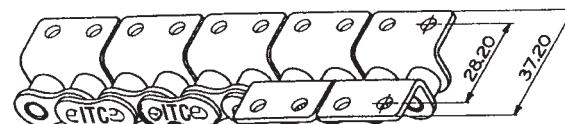


ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT

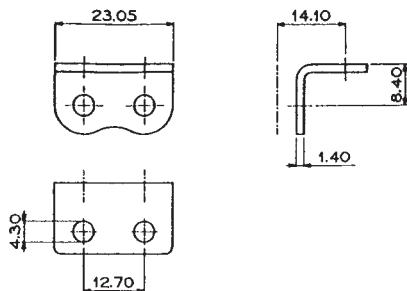


E2

EK2

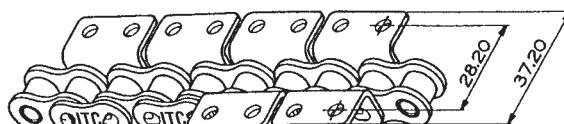


ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



E2

EK2



TRASPORTO LEGGERO / LIGHT TRANSPORT

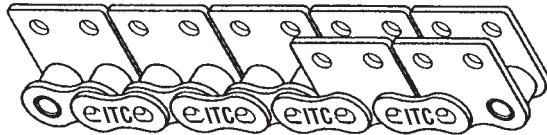
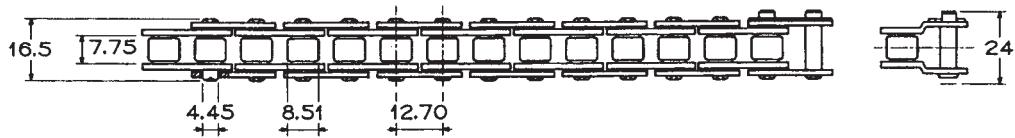
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 1/2x5/16" (ISO 08B) - Passo 12,70 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 1/2X5/16" (ISO 08B) - Pitch 12,70 mm.

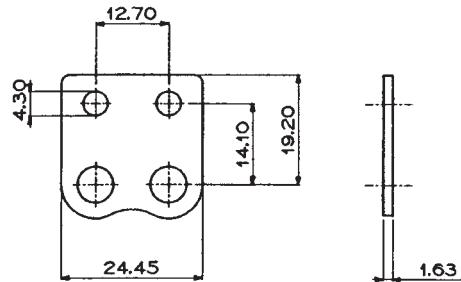
Note: All dimensions are expressed in mm.



EM35-2

EM2

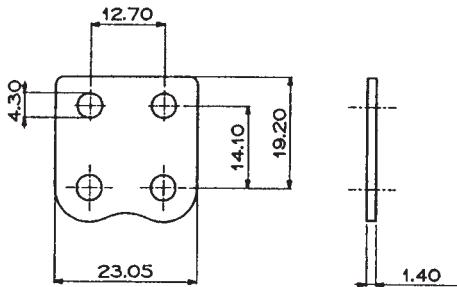
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



EM35-2

EM2

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



TRASPORTO LEGGERO / LIGHT TRANSPORT

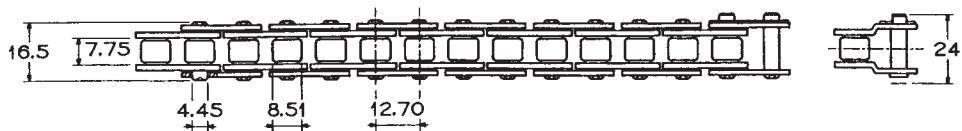
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 1/2x5/16" (ISO 08B) - Passo 12,70 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

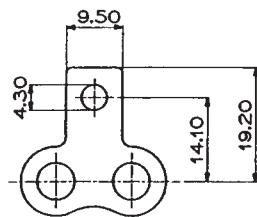
For "ITC" chain 1/2X5/16" (ISO 08B) - Pitch 12,70 mm.

Note: All dimensions are expressed in mm.

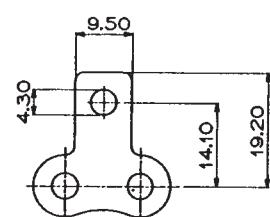
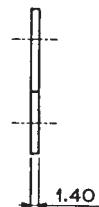


ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT

EM1

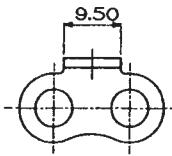


ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT

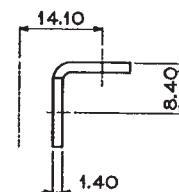


EM35

ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT

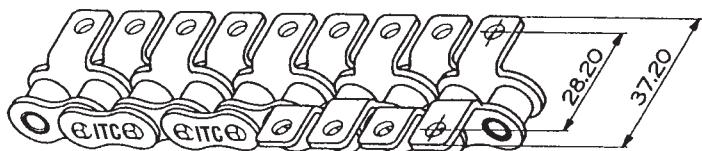


ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



E1

EK1



TRASPORTO LEGGERO / LIGHT TRANSPORT

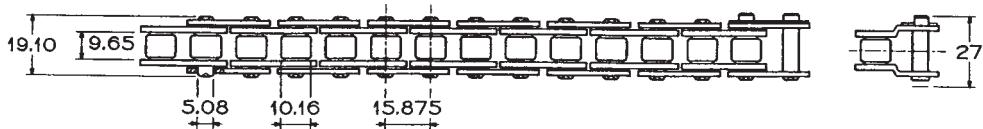
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 5/8" (ISO 10B) - Passo 15,875 mm.

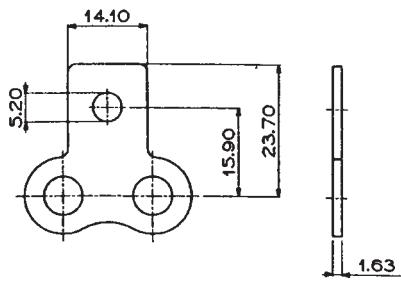
For "ITC" chain 5/8" (ISO 10B) - Pitch 15,875 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

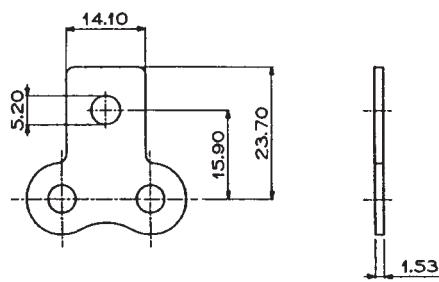
Note: All dimensions are expressed in mm.



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



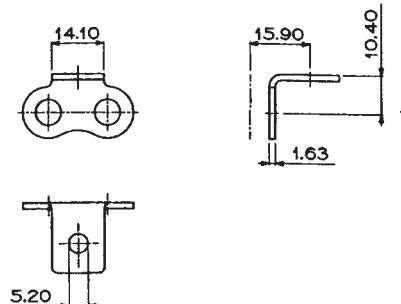
**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



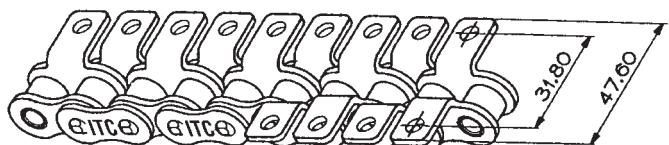
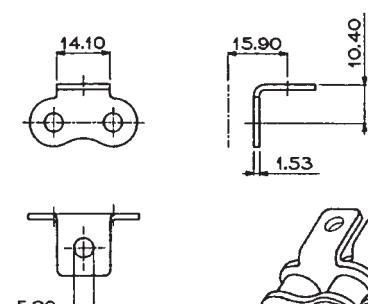
EM35

EM1

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



E1

EK1

TRASPORTO LEGGERO / LIGHT TRANSPORT

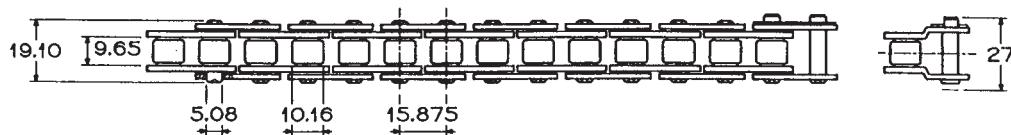
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 5/8" (ISO 10B) - Passo 15,875 mm.

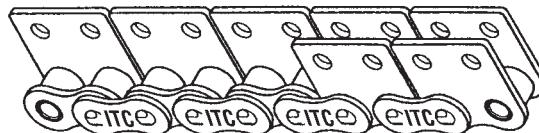
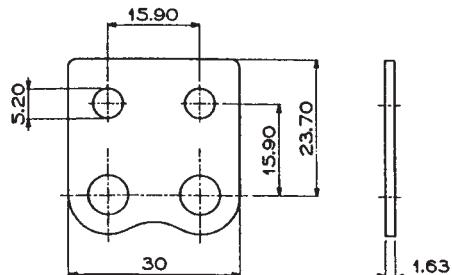
Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 5/8" (ISO 10B) - Pitch 15,875 mm.

Note: All dimensions are expressed in mm.



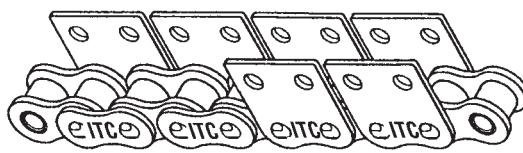
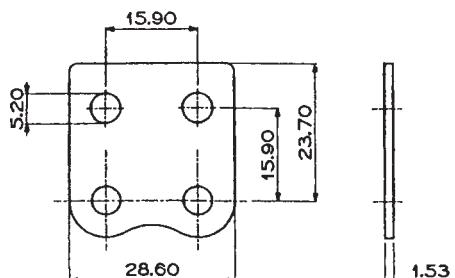
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



EM35-2

EM2

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



EM35-2

EM2

TRASPORTO LEGGERO / LIGHT TRANSPORT

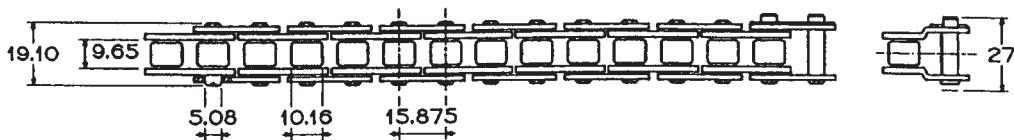
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 5/8" (ISO 10B) - Passo 15,875 mm.

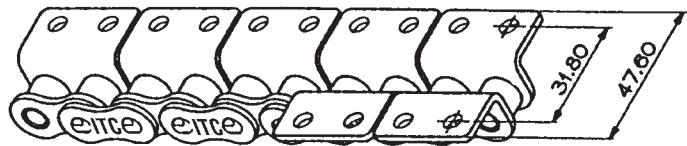
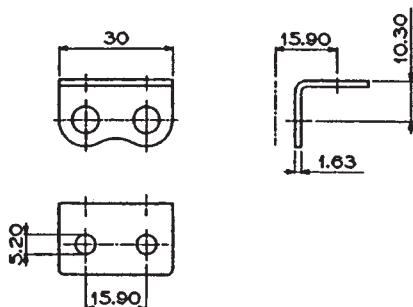
For "ITC" chain 5/8" (ISO 10B) - Pitch 15,875 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



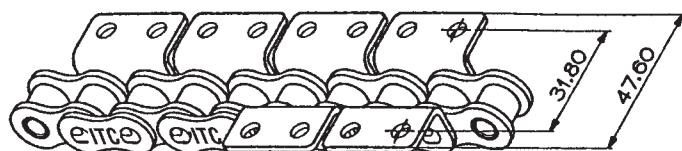
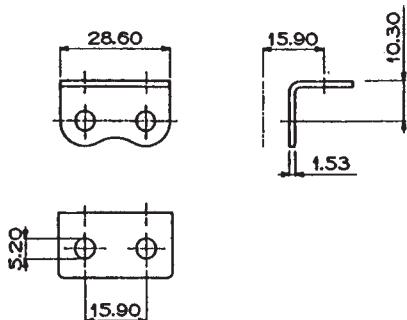
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



E2

EK2

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



E2

EK2

TRASPORTO LEGGERO / LIGHT TRANSPORT

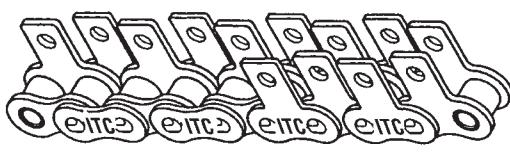
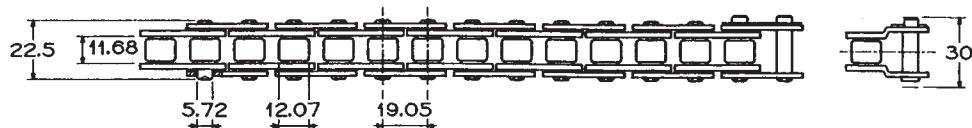
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 3/4" (ISO 12B) - Passo 19,05 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 3/4" (ISO 12B) - Pitch 19,05 mm.

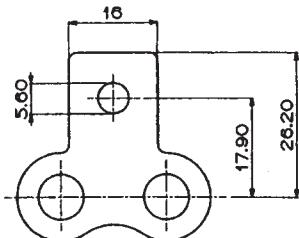
Note: All dimensions are expressed in mm.



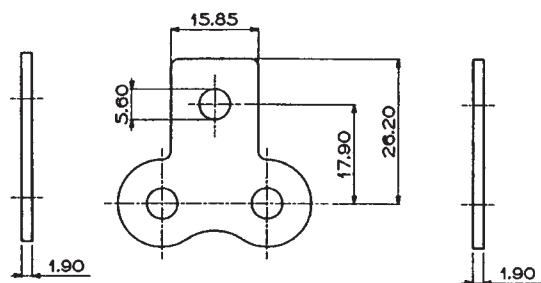
EM35

EM1

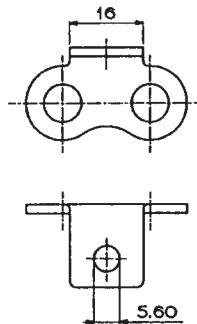
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



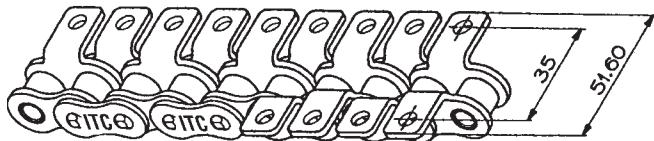
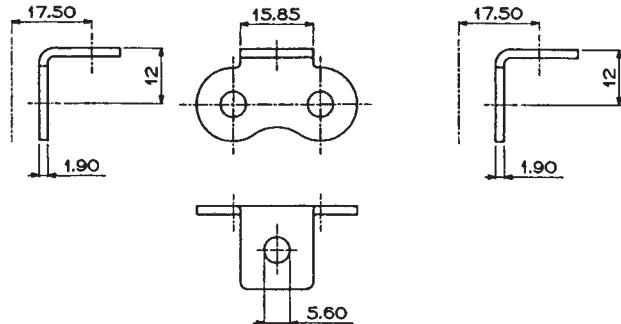
ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



E1

EK1

TRASPORTO LEGGERO / LIGHT TRANSPORT

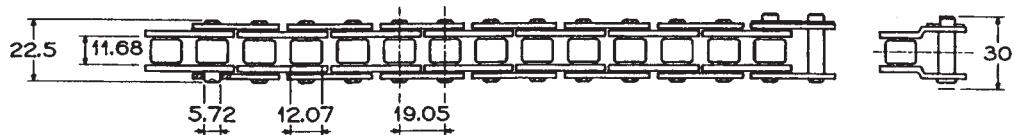
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 3/4" (ISO 12B) - Passo 19,05 mm.

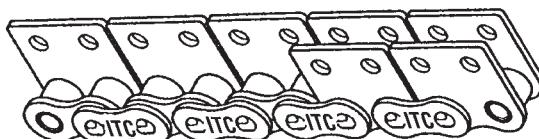
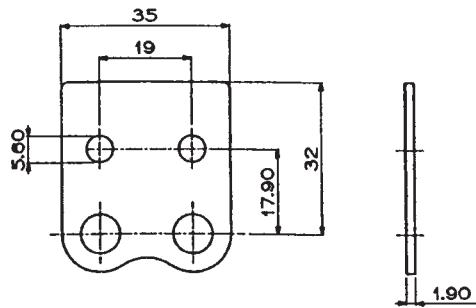
Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 3/4" (ISO 12B) - Pitch 19,05 mm.

Note: All dimensions are expressed in mm.



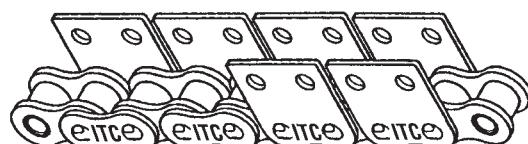
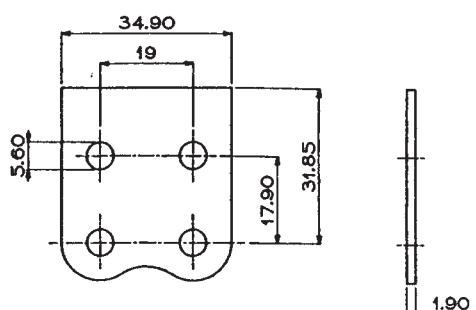
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



EM35-2

EM2

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



EM35-2

EM2

TRASPORTO LEGGERO / LIGHT TRANSPORT

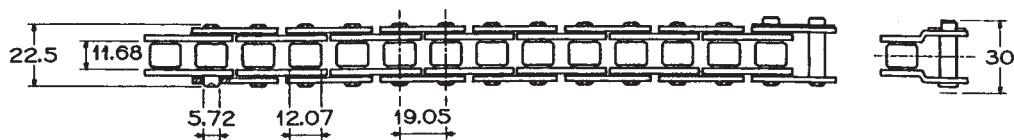
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 3/4" (ISO 12B) - Passo 19,05 mm.

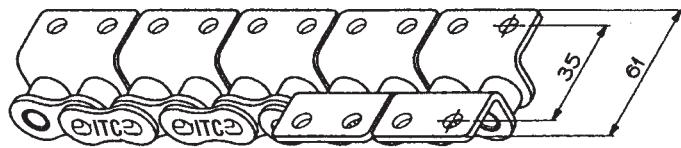
Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 3/4" (ISO 12B) - Pitch 19,05 mm.

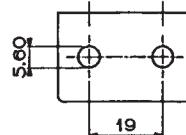
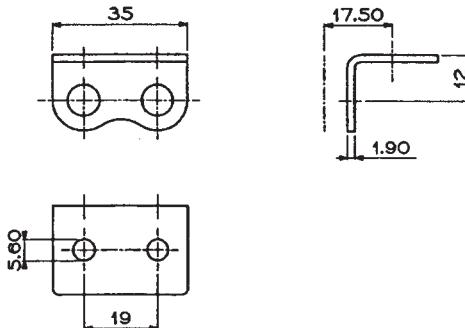
Note: All dimensions are expressed in mm.



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**

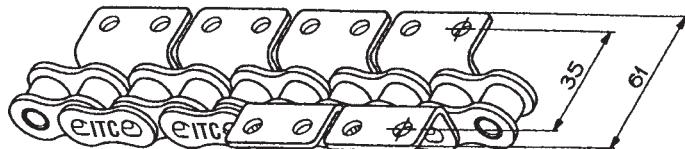


E2

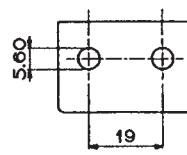
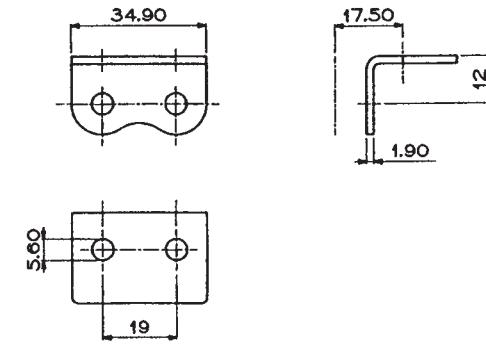


EK2

**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



E2



EK2

TRASPORTO LEGGERO / LIGHT TRANSPORT

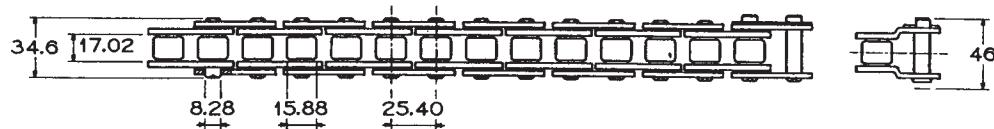
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 1" (ISO 16B) - Passo 25,4 mm.

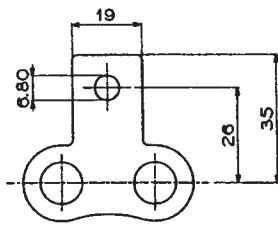
For "ITC" chain 1" (ISO 16B) - Pitch 25,4 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

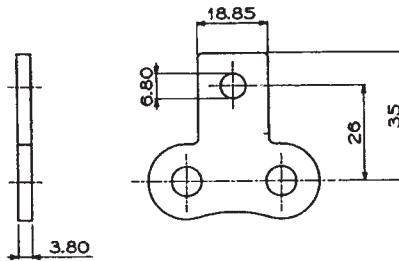
Note: All dimensions are expressed in mm.



ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT

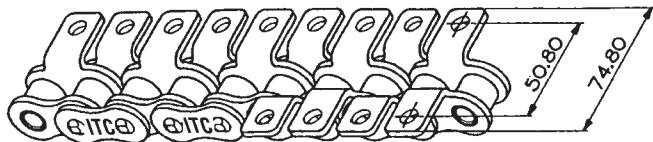
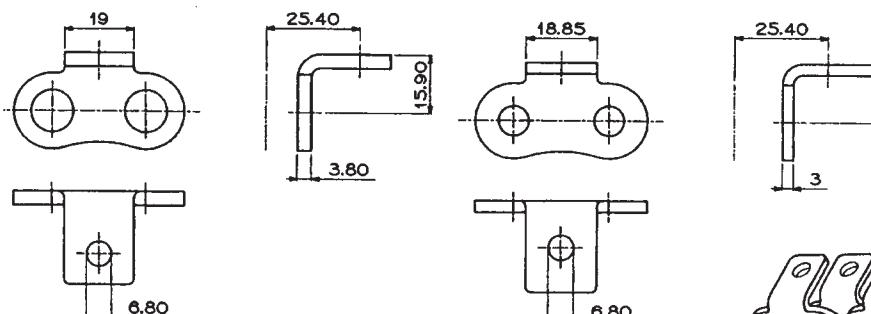


ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



EM35

EM1



E1

EK1

TRASPORTO LEGGERO / LIGHT TRANSPORT

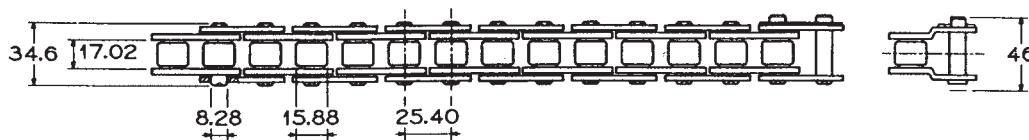
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 1" (ISO 16B) - Passo 25,4 mm.

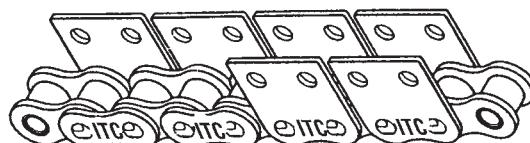
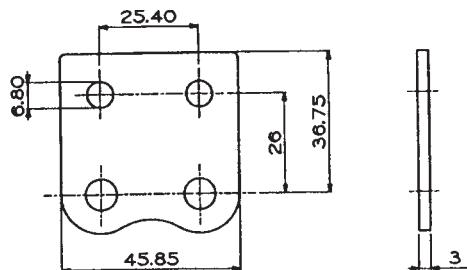
Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 1" (ISO 16B) - Pitch 25,4 mm.

Note: All dimensions are expressed in mm.

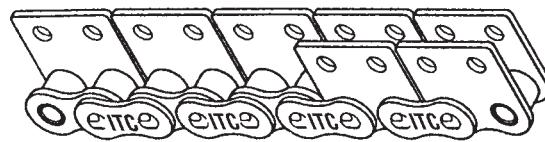
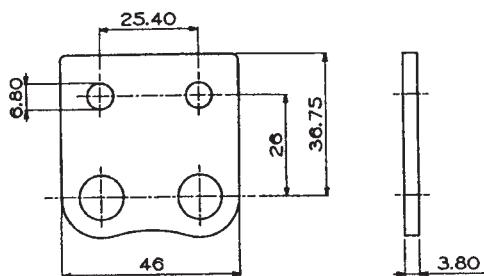


ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



EM35 EM2

ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



EM35-2 EM2

TRASPORTO LEGGERO / LIGHT TRANSPORT

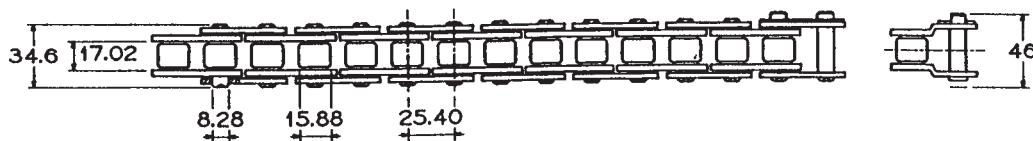
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 1" (ISO 16B) - Passo 25,4 mm.

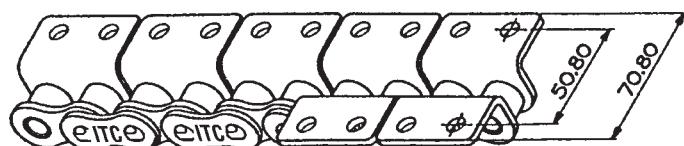
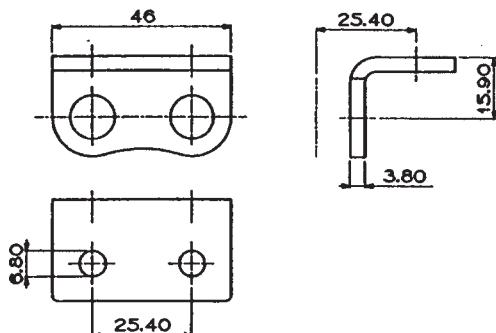
For "ITC" chain 1" (ISO 16B) - Pitch 25,4 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



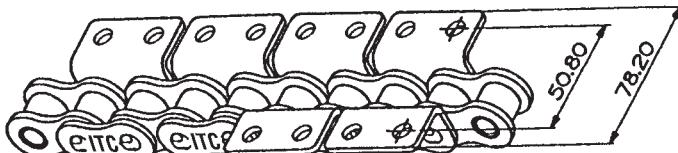
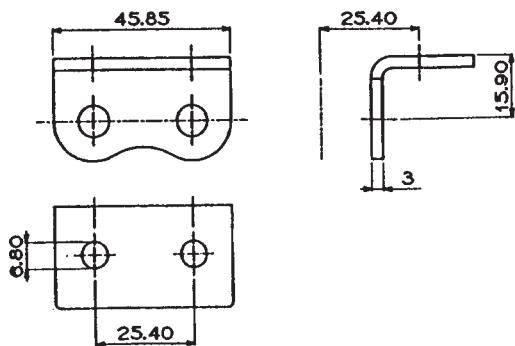
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



E2

EK2

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



E2

EK2

TRASPORTO LEGGERO / LIGHT TRANSPORT

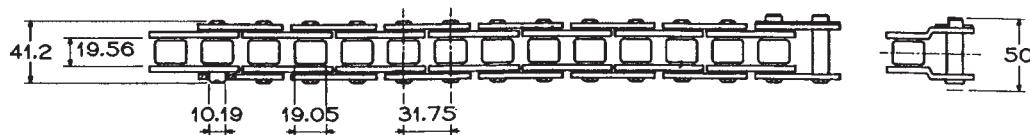
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" 1" 1/4 (ISO 20B) - Passo 31,75 mm.

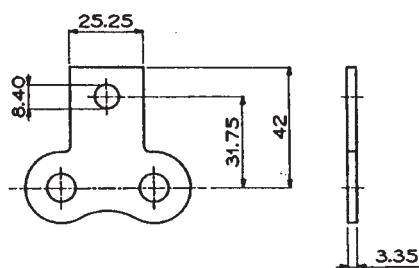
Nota: Tutte le dimensioni indicate, sono espresse in mm.

For "ITC" chain 1" 1/4 (ISO 20B) - Pitch 31,75 mm.

Note: All dimensions are expressed in mm.



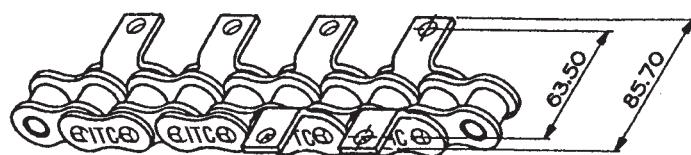
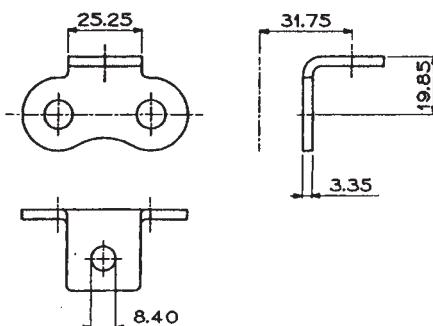
ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



EM35

EM1

ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



E1

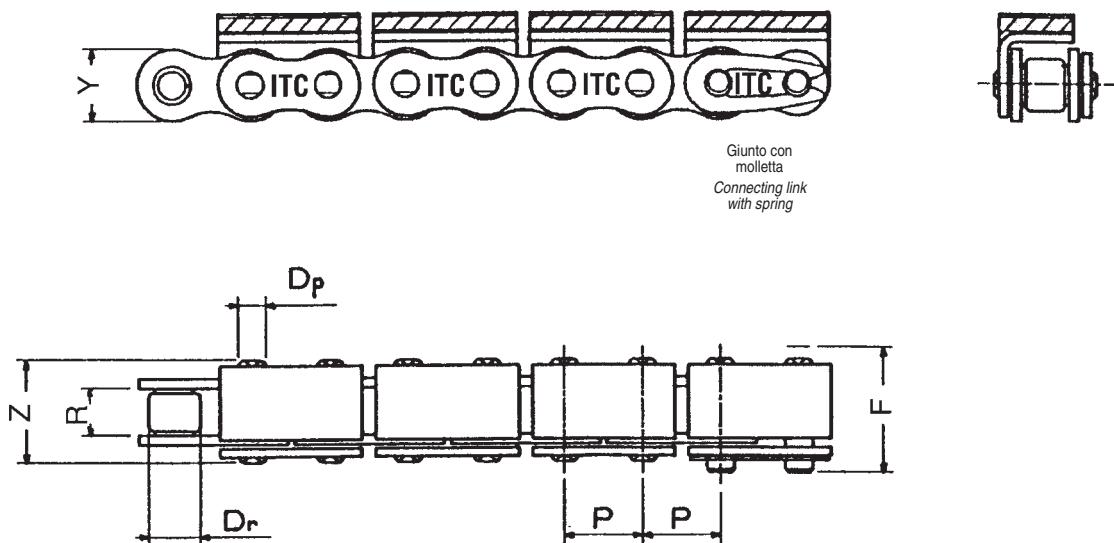
EK1

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE CON CAVALLOTTI “ITC” VULCANIZZATI CHAINS WITH “ITC” VULCANIZED BENT - ATTACHMENTS

Il concepimento di queste catene, è dettato soprattutto dalla particolarità dell'impiego nell'industria vetraria, laterizi e del legno, laddove l'esigenza di un appoggio gommato, vulcanizzato su di una catena di base, risolve ampiamente le problematiche inerenti a tali applicazioni.

These chains are suitable for any application requiring a rubbered support, vulcanized on a standard chain. These types are particularly requested in glass industry, tiles and wood factories.



SERIE EUROPEA / EUROPEAN SERIES

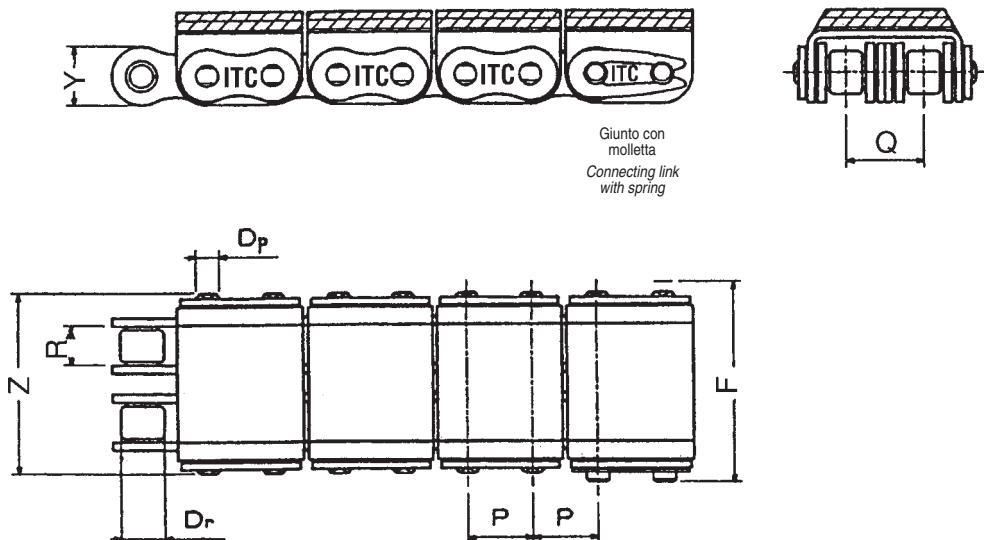
| Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx. Approx. weight Kg/m |
|-------------------------------|--|---|---|---|---|---|---|--|--|
| 9,525 | 6,35 | 5,72 | 3,28 | 8,26 | 12,8 | 19 | 28 | 9.510 | 0,55 |
| 12,70 | 8,51 | 7,75 | 4,45 | 11,81 | 16,5 | 24 | 50 | 18.050 | 0,89 |
| 15,875 | 10,16 | 6,48 | 5,08 | 14,73 | 15,7 | 24 | 52 | 23.770 | 0,98 |

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE CON CAVALLOTTI "ITC" VULCANIZZATI CHAINS WITH "ITC" VULCANIZED BENT - ATTACHMENTS

Per talune applicazioni, e sostanzialmente per le catene a doppia fila di rulli, il cavallotto, può essere fornito, senza il piattello vulcanizzato in gomma.

For some applications, mainly concerning double strand roller chains, bent attachment can be supplied without vulcanized cup in rubber.



SERIE EUROPEA / EUROPEAN SERIES

| Passo Pitch | Diam. rullo max. Max roller diam. | Largh. Int. min. Width between inner plates | Diam. perno max Max pin diam. | Aitezza piastra max Inner plate depth | Q mm | Largh. catena ribad. max Width over connecting pins | Ingombro catena max Width over bearing pins | Superf. di lavoro Working surface | Carico di rottura medio Medium breaking load | Peso approx Approx. weight |
|----------------|--|--|-------------------------------------|--|---------|--|--|--|---|-------------------------------------|
| P mm | Dr mm | R mm | D _p mm | Y mm | | Z mm | F mm | mm ² | N | Kg/m |
| 12,70 | 8,51 | 7,75 | 4,45 | 11,81 | 13,92 | 34,5 | 38 | 100 | 34.050 | 2,05 |
| * 12,70 | 8,51 | 7,75 | 4,45 | 11,81 | 13,92 | 34,5 | 38 | 100 | 34.050 | 1,95 |
| 15,875 | 10,16 | 9,65 | 5,08 | 14,73 | 16,59 | 39,0 | 45 | 137 | 47.560 | 2,80 |
| * 15,875 | 10,16 | 9,65 | 5,08 | 14,73 | 16,59 | 39,0 | 45 | 137 | 47.560 | 2,64 |

* Catena con cavallotto, ma senza piattello vulcanizzato / Chain with bent attachment, without vulcanized cup

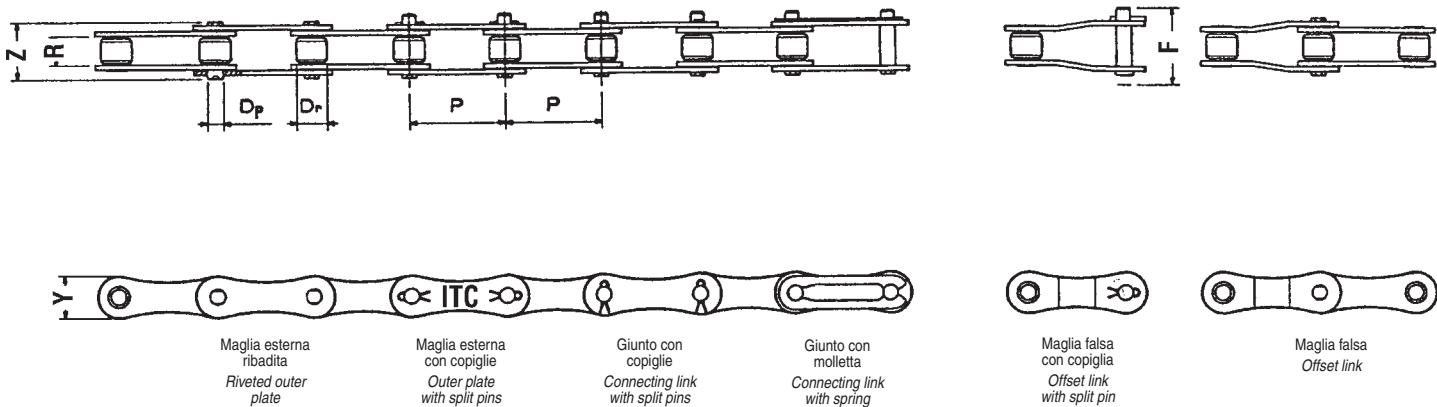
TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE A RULLI “ITC” CON “passo lungo” “ITC” ROLLER CHAINS WITH “LONG-PITCH”

Catene di derivazione esecutiva dalle tipologie Europea ed Americana, dalle quali differiscono per le dimensioni del passo, che è doppio, pur mantenendo inalterate le dimensioni dei perni, bussole e rulli integrali, equivalenti alle grandezze corrispondenti.

Solitamente, trovano impiego per la loro semplicità, ed economicità, in trasmissioni aventi interassi particolarmente lunghi, e con carichi e velocità di valore relativamente contenuto.

These chains come from European and American types: pins, sleeves and integral rollers dimensions are identical, whereas the pitch changes, it's in these case double. Usually because of their very low costs and simplicity, are assembled in transmissions having very long distance between centers, low speeds and light loads.



SERIE EUROPEA / EUROPEAN SERIES

| ITC N° | ISO N° | Passo Pitch | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface | Carico di rottura medio Medium breaking load | Peso approx Approx. weight |
|--------|--------|----------------|--|---|---|---|---|---|--|---|-------------------------------------|
| C2126 | 208B | 25,40 | 8,51 | 7,75 | 4,45 | 11,81 | 16,5 | 24 | 50 | 18.050 | 0,52 |
| C2136 | 210B | 31,75 | 10,16 | 9,65 | 5,08 | 14,73 | 19,1 | 27 | 69 | 23.750 | 0,58 |

SERIE AMERICANA / AMERICAN SERIES

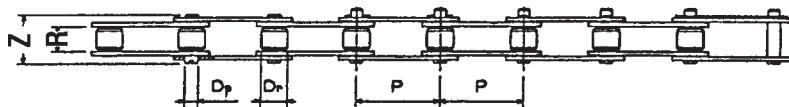
| ITC N° | ISO N° | Passo Pitch | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface | Carico di rottura medio Medium breaking load | Peso approx Approx. weight |
|--------|--------|----------------|--|---|---|---|---|---|--|---|-------------------------------------|
| C2050 | 210A | 31,75 | 10,16 | 9,40 | 5,09 | 15,09 | 20,5 | 28 | 70 | 25.220 | 0,65 |
| C2060H | - | 38,10 | 11,91 | 12,57 | 5,96 | 18,08 | 29,6 | 36 | 115 | 36.100 | 1,26 |

TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE PER TRASPORTO A “PASSO LUNGO” “LONG-PITCH” TRANSPORT CHAINS

Normalmente vengono definite catene a “passo allungato”, e vengono abitualmente utilizzate soprattutto nei trasportatori leggeri.

Usually known as “extended pitch” chains, these are habitually assembled in light transports.



“CON RULLI STANDARD”
“WITH STANDARD ROLLERS”



Maglia esterna
ribadita
Riveted outer
plate

Maglia esterna
con copiglie
Outer plate
with split pins

Giunto con
copiglie
Connecting link
with split pins

Giunto con
molletta
Connecting link
with spring



Maglia falsa
con copiglia
Offset link
with split pin



Maglia falsa
(3 rulli)
Three rollers
offset link

SERIE AMERICANA / AMERICAN SERIES

| ITC N° | ISO N° | Passo Pitch P mm | Diam. rullo max. Max roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|-----------------|--------|---------------------------|--|---|---|---|---|---|---|--|---|
| C2040 | C208AS | 25,40 | 7,95 | 7,85 | 3,98 | 12,07 | 16,05 | 23 | 44 | 16.650 | 0,50 |
| C2050 | C210AS | 31,75 | 9,40 | 9,40 | 5,09 | 15,09 | 20,5 | 28 | 70 | 25.200 | 0,85 |
| * C2050H | - | 31,75 | 9,40 | 9,40 | 5,09 | 15,09 | 23,0 | 30 | 74 | 25.200 | 0,90 |
| C2060H | - | 38,10 | 12,57 | 12,57 | 5,96 | 18,08 | 29,6 | 36 | 115 | 36.150 | 1,49 |
| C2080H | - | 50,80 | 15,75 | 15,75 | 7,94 | 24,13 | 36,6 | 43 | 190 | 62.800 | 2,38 |
| C2100H | - | 63,50 | 18,90 | 18,90 | 9,54 | 30,18 | 43,7 | 52 | 275 | 103.700 | 3,71 |
| C2120H | - | 76,20 | 25,22 | 25,22 | 11,11 | 36,20 | 53,8 | 64 | 410 | 146.500 | 5,35 |

* Eseguita con piastre rinforzate ed 1 foro centrale di diametro 7 mm. su tutte le piastre
With reinforced plates and 1 central hole of 7 mm diam. on every plates

TRASPORTO LEGGERO / LIGHT TRANSPORT

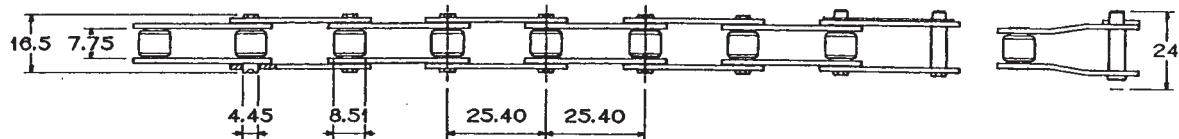
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" E2126 - Passo 25,4 mm.

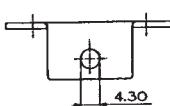
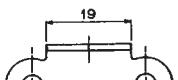
For "ITC" chain E2126 - Pitch 25,4 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

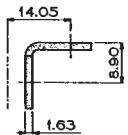
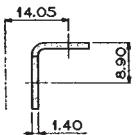
Note: All dimensions are expressed in mm.



ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



E1

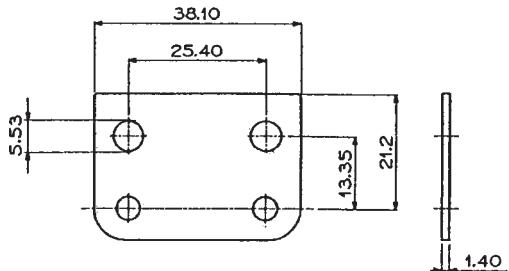
EK1



EM35

EM1

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



TRASPORTO LEGGERO / LIGHT TRANSPORT

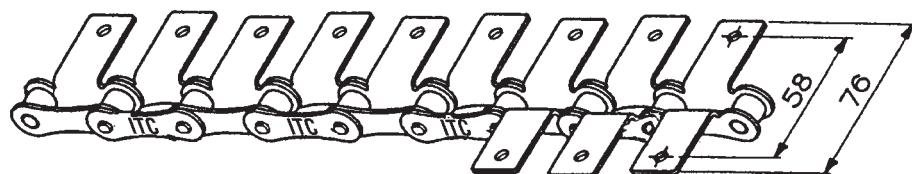
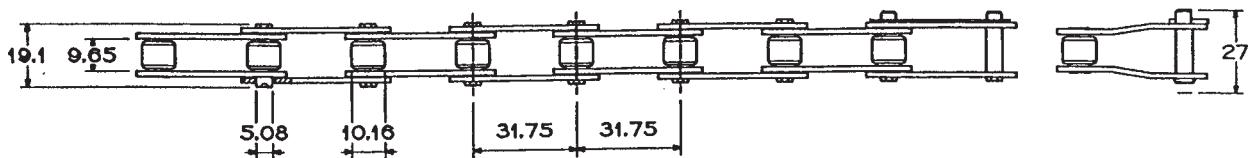
GLI ATTACCHI STANDARD STANDARD ATTACHMENTS

Per catena "ITC" E2136 - Passo 31,75 mm.

For "ITC" chains E2136 - Pitch 25,4 mm.

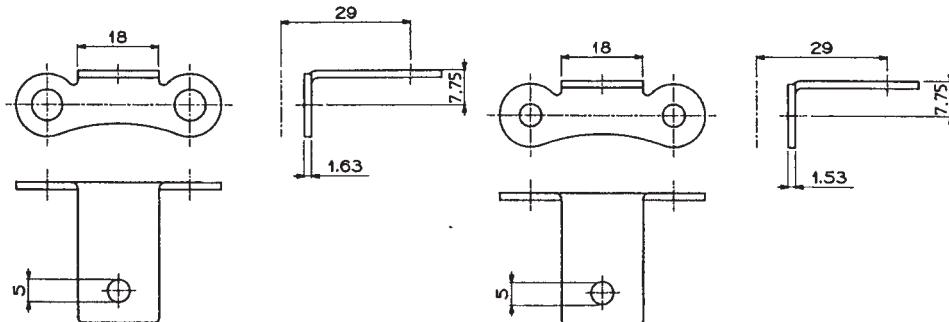
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

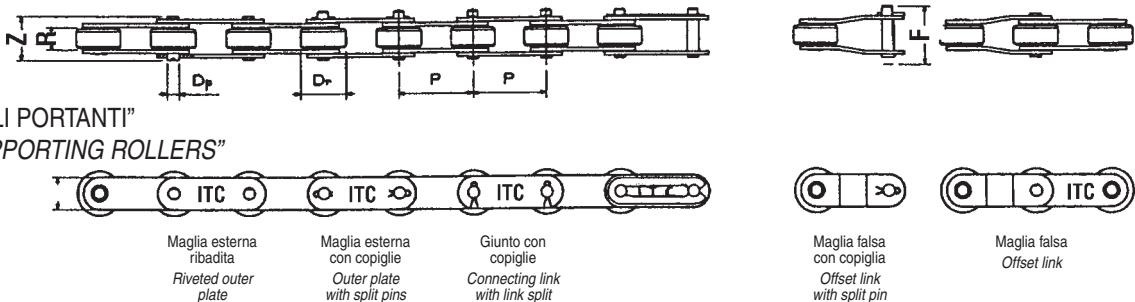


E1

EK1



TRASPORTO LEGGERO / LIGHT TRANSPORT

CATENE PER TRASPORTO A "PASSO LUNGO"
"LONG-PITCH" TRANSPORT CHAINS

SERIE AMERICANA / AMERICAN SERIES

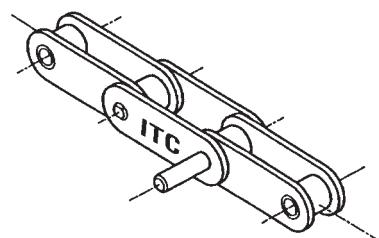
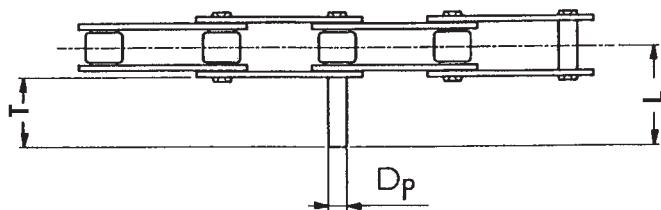
| ITC N° | ISO N° | Passo Pitch mm | Diam. rullo max. Max roller diam. Dr mm | Largh. int. min. Width between inner plates R mm | Diam. perno max Max pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. catena ribad. max Width over connecting pins Z mm | Ingombro catena max Width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|----------|--------|-------------------|---|--|---|--|--|--|---|--|---------------------------------------|
| C2042 | C208AL | 25,40 | 15,88 | 7,85 | 3,98 | 12,07 | 16,05 | 23 | 44 | 16.650 | 0,86 |
| C2052 | C210AL | 31,75 | 19,05 | 9,40 | 5,09 | 15,09 | 20,5 | 28 | 70 | 25.200 | 1,34 |
| * C2052H | - | 31,75 | 19,05 | 9,40 | 5,09 | 15,09 | 23,0 | 30 | 74 | 25.200 | 1,39 |
| C2062H | - | 38,10 | 22,23 | 12,57 | 5,96 | 18,08 | 29,6 | 36 | 115 | 36.150 | 2,20 |
| C2082H | - | 50,80 | 28,58 | 15,75 | 7,94 | 24,13 | 36,6 | 43 | 190 | 62.800 | 3,42 |
| C2102H | - | 63,50 | 39,67 | 18,90 | 9,54 | 30,18 | 43,7 | 52 | 275 | 103.700 | 5,94 |
| C2122H | - | 76,20 | 44,45 | 25,22 | 11,11 | 36,20 | 53,8 | 64 | 410 | 146.500 | 8,47 |

* Eseguita con piastre rinforzate ed 1 foro centrale di diametro 7 mm. su tutte le piastre

With reinforced plates and 1 central hole of 7 mm diam. on every plates

TRASPORTO LEGGERO / LIGHT TRANSPORT

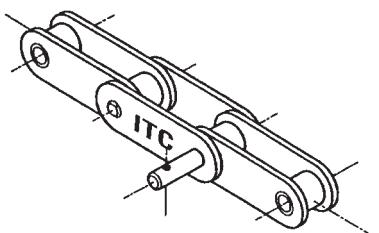
ATTACCHI “ED1” PER CATENE A RULLI A “PASSO LUNGO” “ED1” ATTACHMENTS FOR “LONG-PITCH” ROLLER CHAINS



| ITC N° | Passo Pitch mm | Diam. perno max Max pin diam. mm | T mm | L mm |
|--------|----------------------|---|---------|---------|
| C2040 | 25,40 | 3,98 | 9,5 | 16,7 |
| C2042 | 25,40 | 3,98 | 9,5 | 16,7 |
| C2050 | 31,75 | 5,09 | 11,9 | 21,0 |
| C2052 | 31,75 | 5,09 | 11,9 | 21,0 |
| C2050H | 31,75 | 5,09 | 11,9 | 21,8 |
| C2052H | 31,75 | 5,09 | 11,9 | 21,8 |
| C2060H | 38,10 | 5,96 | 14,6 | 27,8 |
| C2062H | 38,10 | 5,96 | 14,6 | 27,8 |
| C2080H | 50,80 | 7,94 | 19,0 | 35,3 |
| C2082H | 50,80 | 7,94 | 19,0 | 35,3 |
| C2100H | 63,50 | 9,54 | 23,8 | 43,4 |
| C2102H | 63,50 | 9,54 | 23,8 | 43,4 |
| C2020H | 76,20 | 11,11 | 28,6 | 52,4 |
| C2122H | 76,20 | 11,11 | 28,6 | 52,4 |

Il perno “ED1”, può essere fornito, a richiesta, con dimensioni e lunghezze variabili.

“ED1” pin can be supplied, under request, with different dimensions and lenghts.



Il perno “ED1”, può essere fornito, a richiesta, completo di foro per copiglia, posto nella sua parte sporgente.

“ED1” pin can be supplied, under request, with a hole for split pin inserted in its extending part.

TRASPORTO LEGGERO / LIGHT TRANSPORT

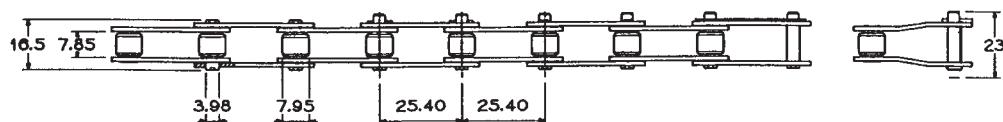
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2040 - Passo 25,4 mm.

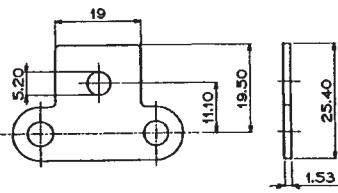
For “ITC” chains C2040 - Pitch 25,4 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

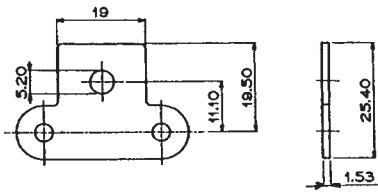
Note: All dimensions are expressed in mm.



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



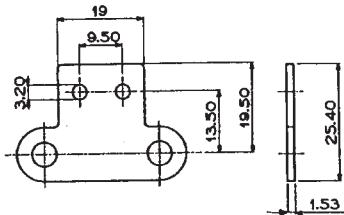
**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



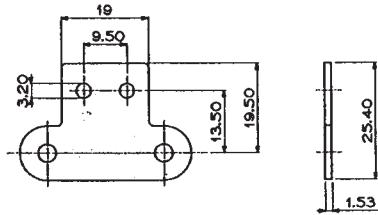
EM35

EM1

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



EM35-2

EM2

TRASPORTO LEGGERO / LIGHT TRANSPORT**GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO”
STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS**

Per catena “ITC” C2040 - Passo 25,4 mm.

For “ITC” chain C2040 - Pitch 25,4 mm.

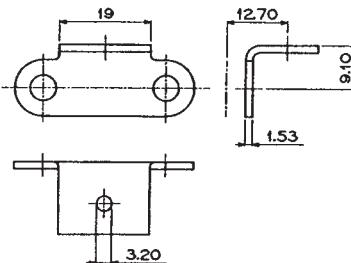
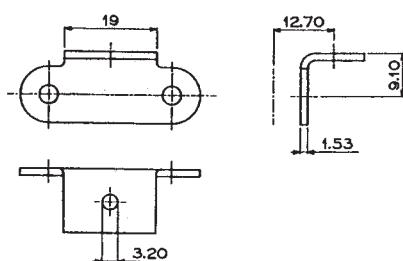
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



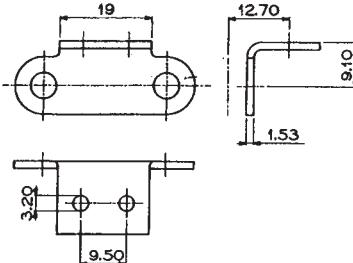
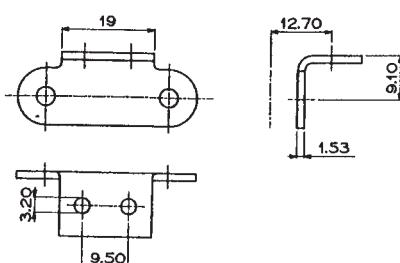
E1

EK1

ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENTATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT

E2

EK2

ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENTATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT

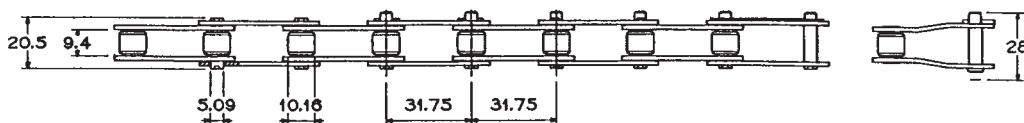
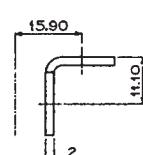
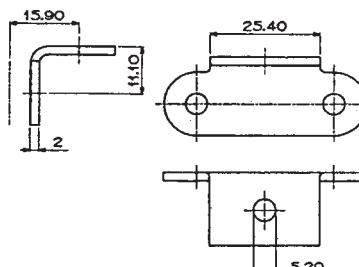
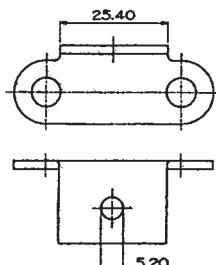
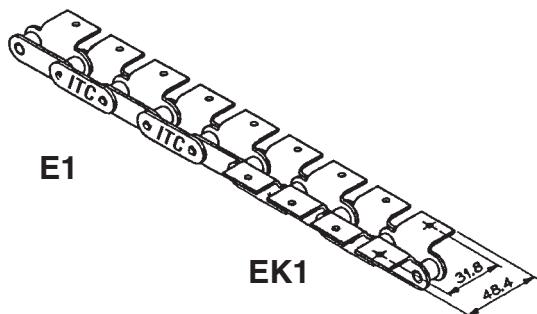
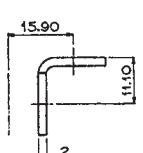
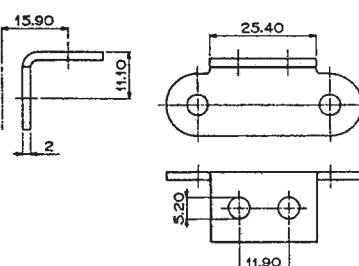
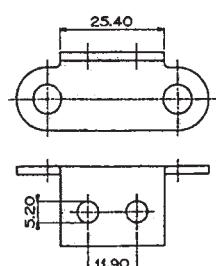
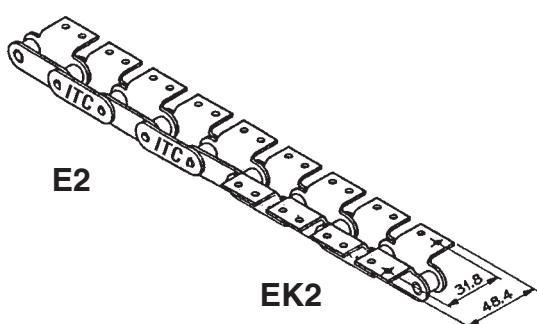
TRASPORTO LEGGERO / LIGHT TRANSPORT**GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO”
STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS**

Per catena “ITC” C2050 - Passo 31,75 mm.

For “ITC” chain C2050 - Pitch 31,75 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT****ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT****ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT****ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**

TRASPORTO LEGGERO / LIGHT TRANSPORT

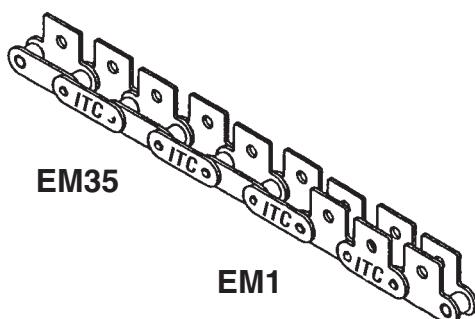
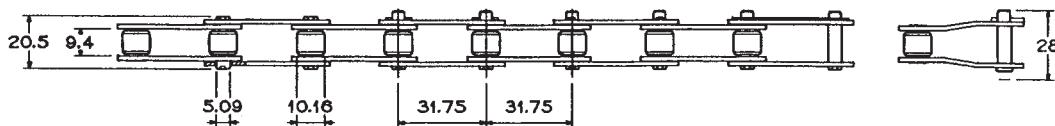
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2050 - Passo 31,75 mm.

For “ITC” chain C2050 - Pitch 31,75 mm.

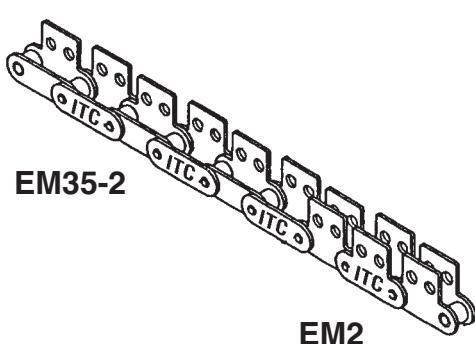
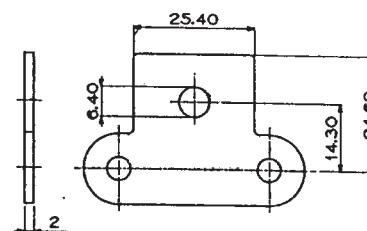
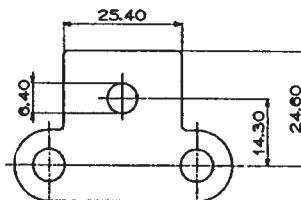
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



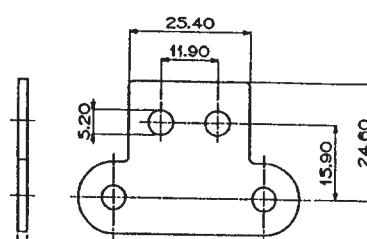
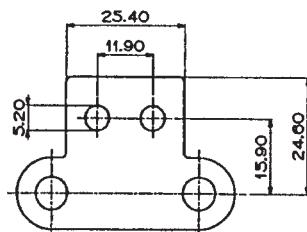
ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT

ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



TRASPORTO LEGGERO / LIGHT TRANSPORT

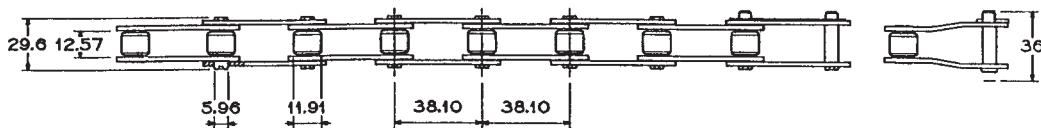
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2060H - Passo 38,10 mm.

For “ITC” chain C2060H - Pitch 38,10 mm.

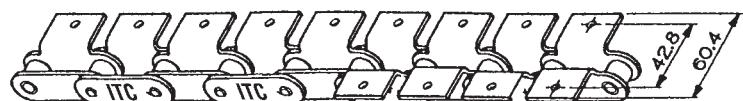
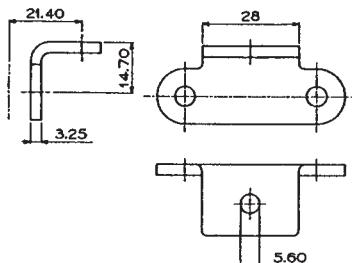
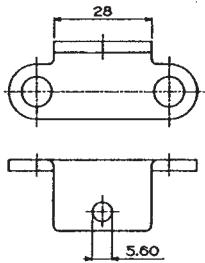
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**

**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**

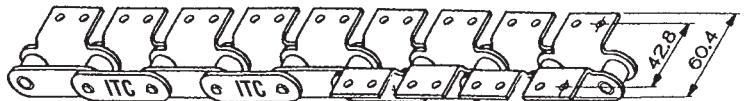
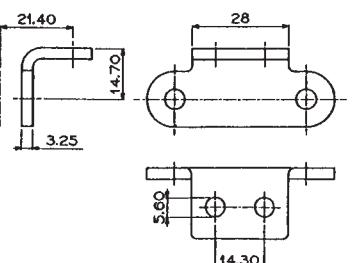
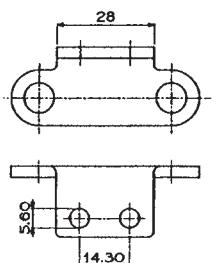


E1

EK1

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**

**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



E2

EK2

TRASPORTO LEGGERO / LIGHT TRANSPORT

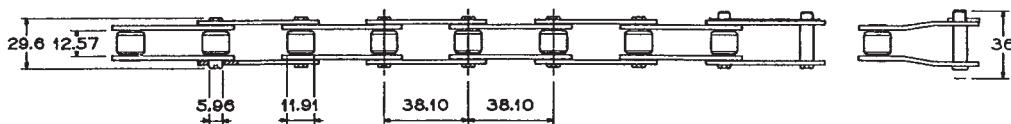
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2060H - Passo 38,10 mm.

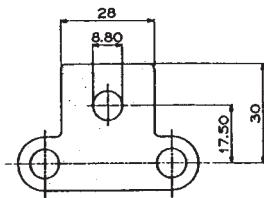
For “ITC” chain C2060H - Pitch 38,10 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

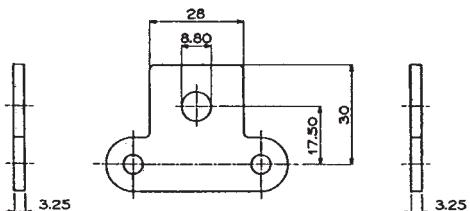
Note: All dimensions are expressed in mm.



ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



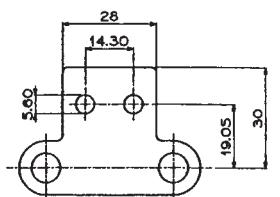
ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



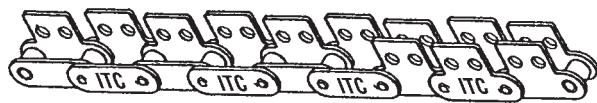
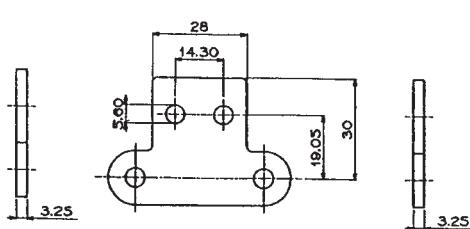
EM35

EM1

ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



EM35-2

EM2

TRASPORTO LEGGERO / LIGHT TRANSPORT

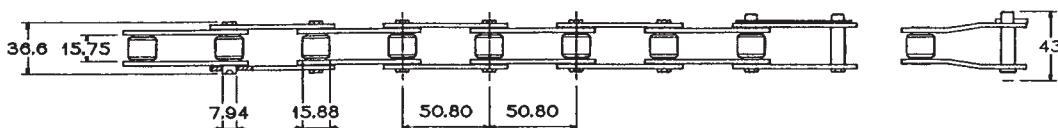
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2080H - Passo 50,80 mm.

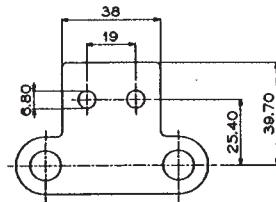
For “ITC” chain C2080H - Pitch 50,80 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

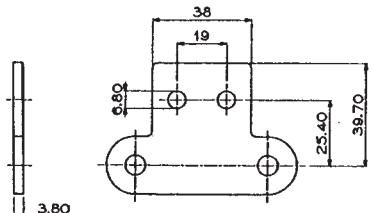
Note: All dimensions are expressed in mm.



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**

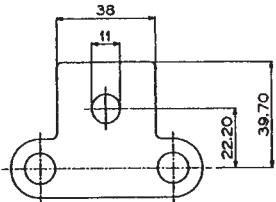


EM35-2

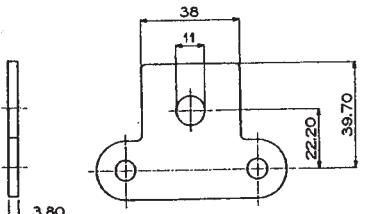


EM2

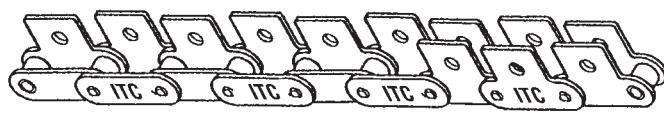
**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



EM35



EM1

TRASPORTO LEGGERO / LIGHT TRANSPORT

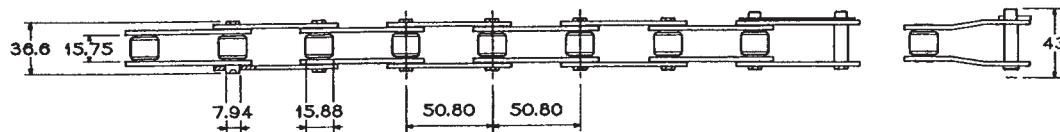
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2080H - Passo 50,80 mm.

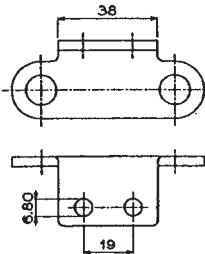
For “ITC” chain C2080 - Pitch 50,80 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

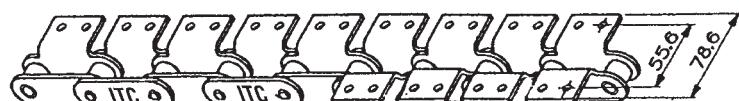
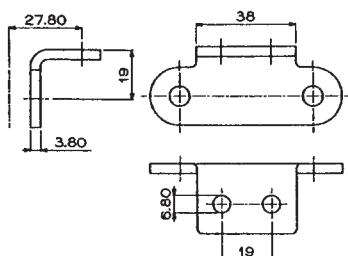
Note: All dimensions are expressed in mm.



ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



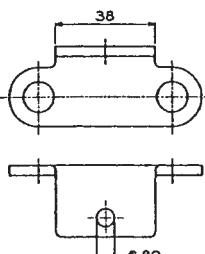
ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



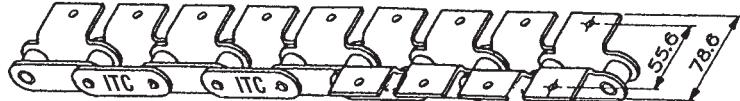
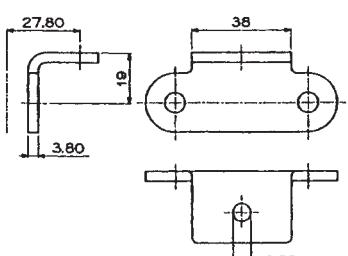
E2

EK2

ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT



ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT



E1

EK1

TRASPORTO LEGGERO / LIGHT TRANSPORT

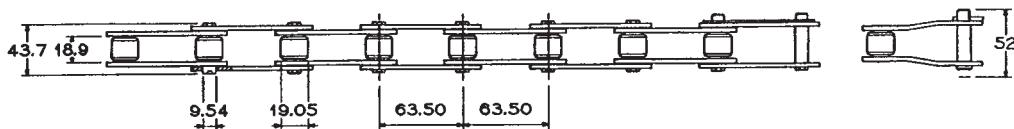
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2100H - Passo 63,50 mm.

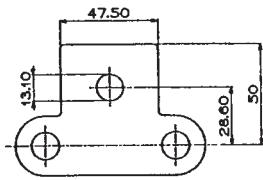
For “ITC” chain C2100H - Pitch 63,50 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

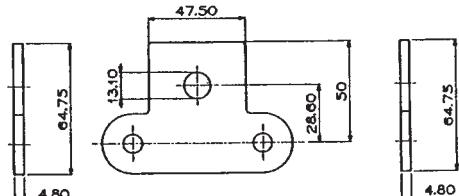
Note: All dimensions are expressed in mm.



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



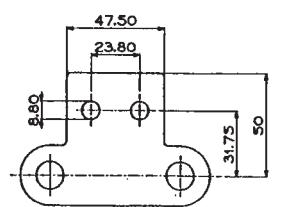
**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



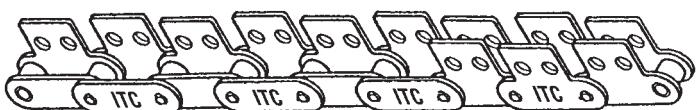
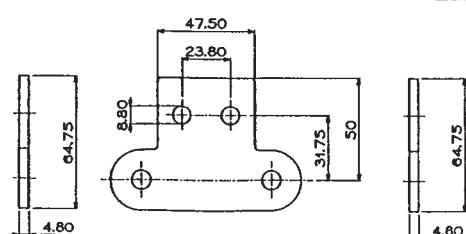
EM35

EM1

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



EM35-2

EM2

TRASPORTO LEGGERO / LIGHT TRANSPORT

GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

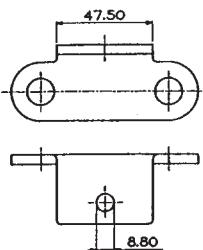
Per catena “ITC” C2100H - Passo 63,50 mm.

For “ITC” chain C2100H - Pitch 63,50 mm.

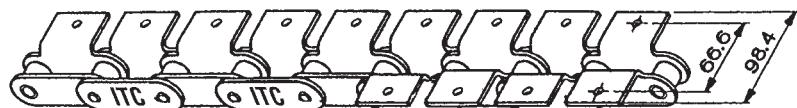
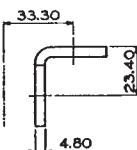
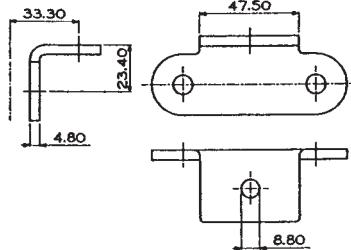
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



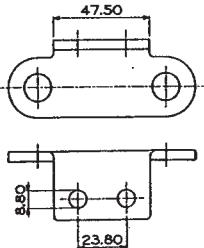
**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



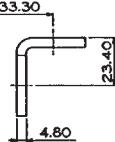
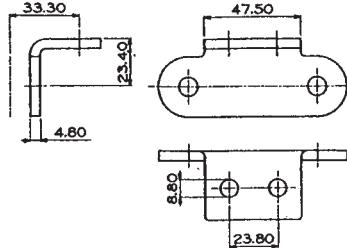
E1

EK1

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



E2

EK2

TRASPORTO LEGGERO / LIGHT TRANSPORT

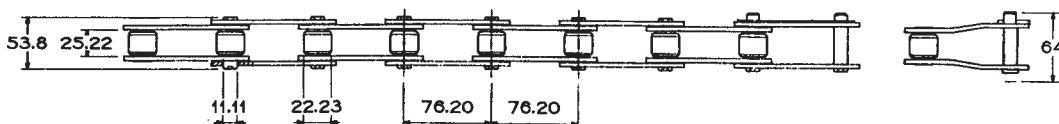
GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

Per catena “ITC” C2120H - Passo 76,20 mm.

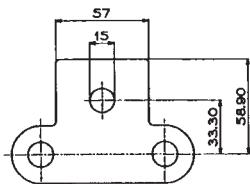
For “ITC” chain C2120H - Pitch 76,20 mm.

Nota: Tutte le dimensioni indicate, sono espresse in mm.

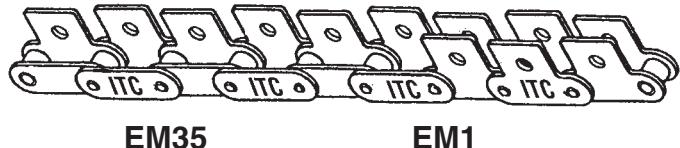
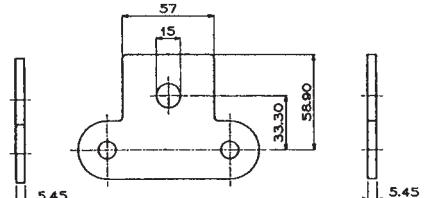
Note: All dimensions are expressed in mm.



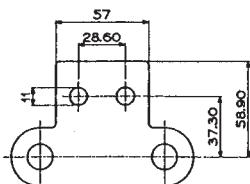
**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



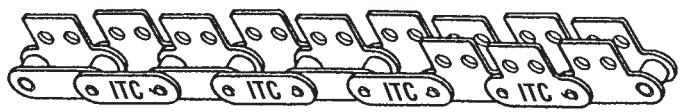
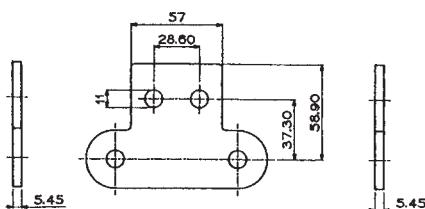
**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**



**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



TRASPORTO LEGGERO / LIGHT TRANSPORT

GLI ATTACCHI STANDARD PER CATENE A “PASSO LUNGO” STANDARD ATTACHMENTS FOR “LONG-PITCH” CHAINS

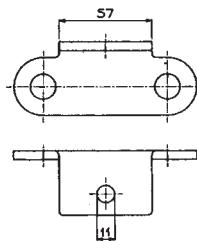
Per catena “ITC” C2120H - Passo 76,20 mm.

For “ITC” chain C2120H - Pitch 76,20 mm.

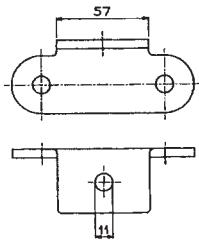
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**

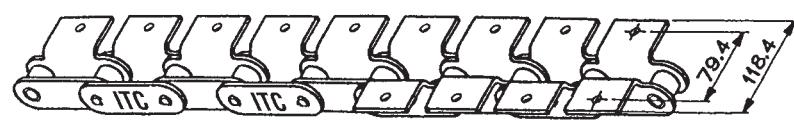


**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**

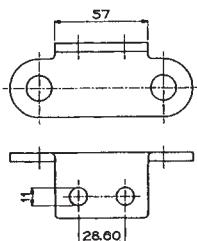


E1

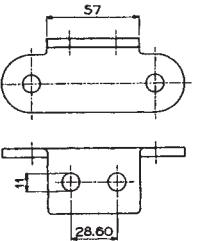
EK1



**ATTACCO MAGLIA INTERNA
INNER PLATE ATTACHMENT**

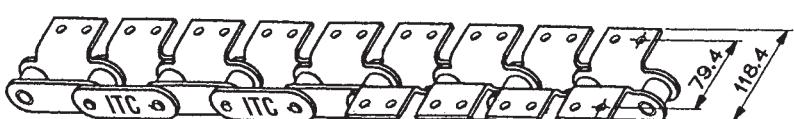


**ATTACCO MAGLIA ESTERNA
OUTER PLATE ATTACHMENT**



E2

EK2



TRASPORTO LEGGERO / LIGHT TRANSPORT

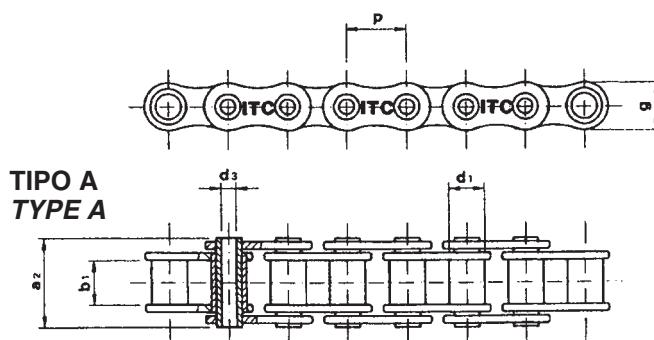
CATENE A RULLI A “PERNI FORATI” ROLLER CHAIN WITH HOLLOW PINS

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

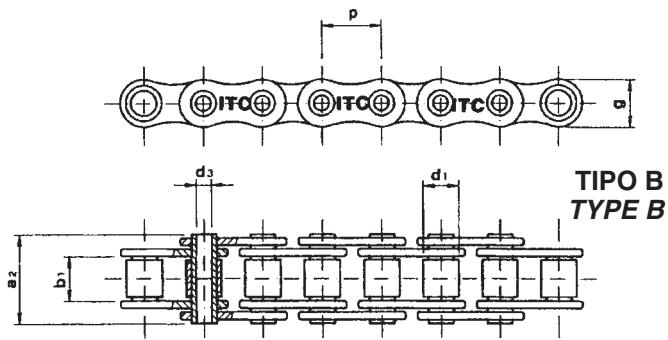
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Especially manufactured to help the users in adopting different attachments, easily adaptable in accordance with unified rules.

Note: All dimensions are expressed in mm.



TIPO A
TYPE A



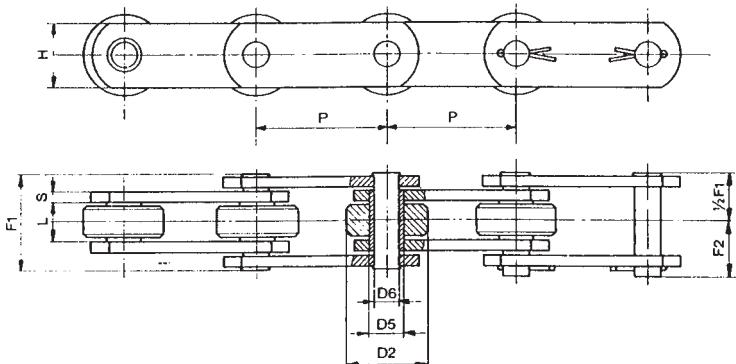
TIPO B
TYPE B

| ISO N° | p | | b ₁ mm min. | d ₃ mm | d ₁ mm max. | a ₂ mm max. | g mm max. | F _B min N | q kg/m ≈ | TIPO TYPE |
|--------------|--------|------|------------------------------|----------------------|------------------------------|------------------------------|-----------------|----------------------------|----------------|--------------|
| | mm | inch | | | | | | | | |
| 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 |

TRASPORTO PESANTE / HEAVY TRANSPORT

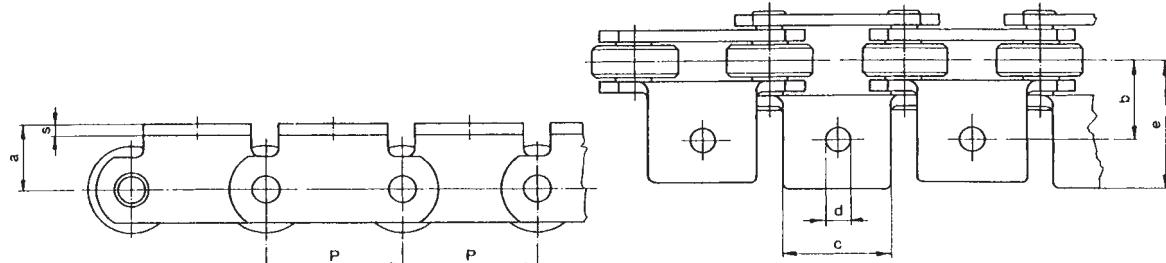
CATENE NON UNIFICATE NOT UNIFIED CHAINS

CATENE PER TRASPORTATORI CHAINS FOR CONVEYORS



A PERNI PIENI / FULL PINS TYPE

| Catena N° Chain 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° Chain 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 |

Visioni 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)

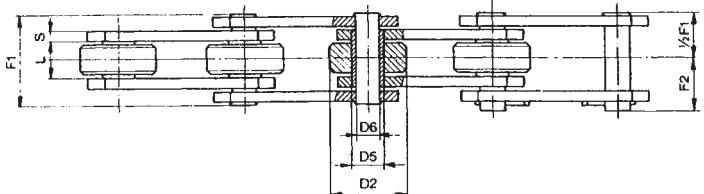
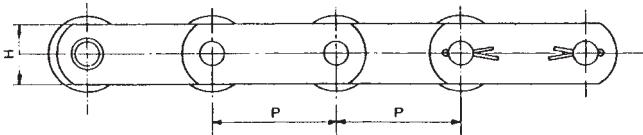
Alternative types:

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

TRASPORTO PESANTE / HEAVY TRANSPORT

CATENE NON UNIFICATE NOT UNIFIED CHAINS

CATENE PER TRASPORTATORI
CHAINS FOR CONVEYORS



A PERNI PIENI / FULL PINS TYPE

| Catena N° Chain 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:

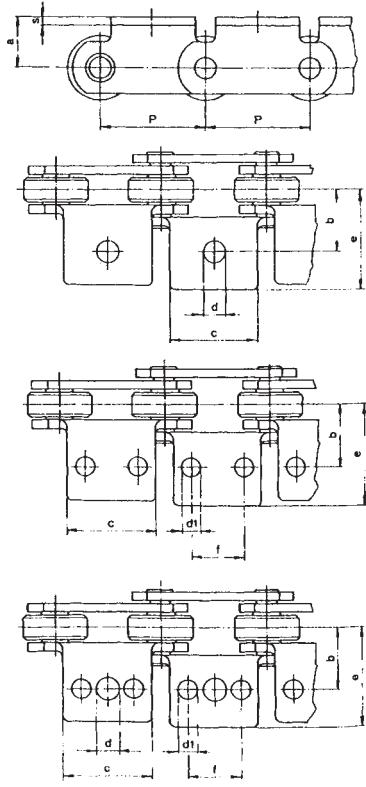
- Rulli in nylon, delrin, etc.
- A rulli flangiati
- A bussole
- Trattamento di zincatura - nichelatura - cadmatura
- * Catena a piastre sagomate
- Esecuzione in acciaio inossidabile
- * Attacchi a 1 foro
- Attacchi a 2 fori
- ▲ Attacchi a 3 fori
- Attacchi saldati

Alternative types:

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

ATTACCHI / ATTACHMENTS

| Catena N° Chain N° | mm | P mm | a mm | b mm | c mm | d mm | d1 mm | e mm | f mm | s mm | Sovrap. unit. attacco Attachment unitary over-weight Kg/m |
|-----------------------|-------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---|
| E 400 | * ■ | 50 | 32/35 | 31 | 60 | 10 | 8,5 | 48,5 | 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 |



TRASPORTO PESANTE / HEAVY TRANSPORT

CATENE NON UNIFICATE NOT UNIFIED CHAINS

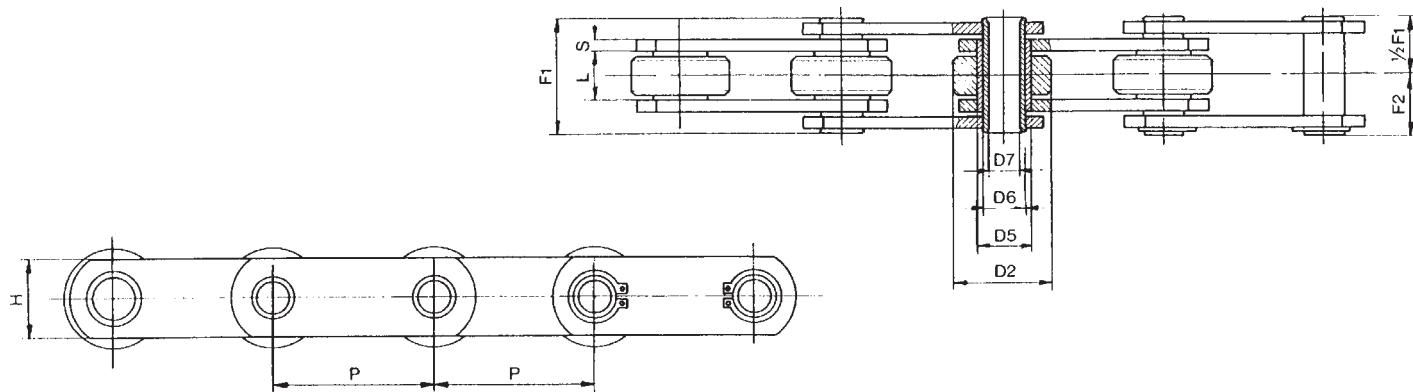
CATENE PER TRASPORTATORI

Nota: Tutte le dimensioni indicate, sono espresse in mm.

CHAINS FOR CONVEYORS

Note: All dimensions are expressed in mm.

A PERNI FORATI HOLLOW PINS CHAIN



| Catena N° Chain 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 | 38.000 | 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 |

Versioni alternative:

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

Alternative types:

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

TRASPORTO PESANTE / HEAVY TRANSPORT

CATENE NON UNIFICATE NOT UNIFIED CHAINS

CATENE PER TRASPORTATORI

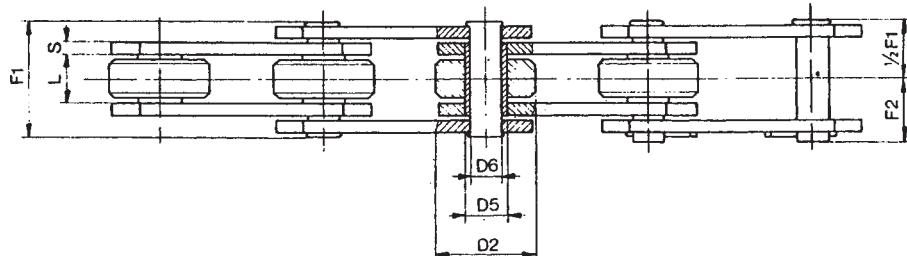
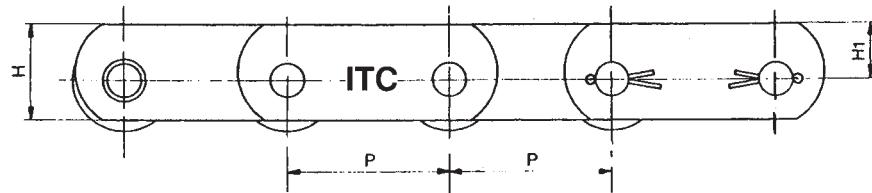
Nota: Tutte le dimensioni indicate, sono espresse in mm.

CHAINS FOR CONVEYORS

Note: All dimensions are expressed in mm.

A PIASTRE DISASSATE - NON UNIFICATE

MISALIGNED PLATES - NOT STANDARD



| Catena N° Chain 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 |

Versioni alternative:

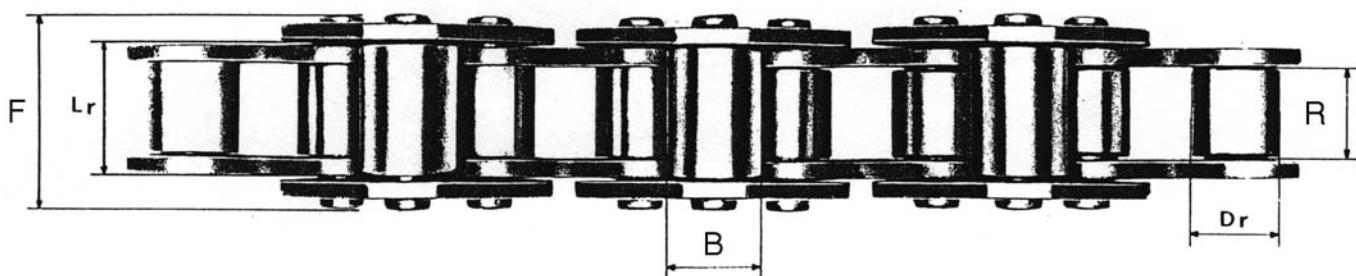
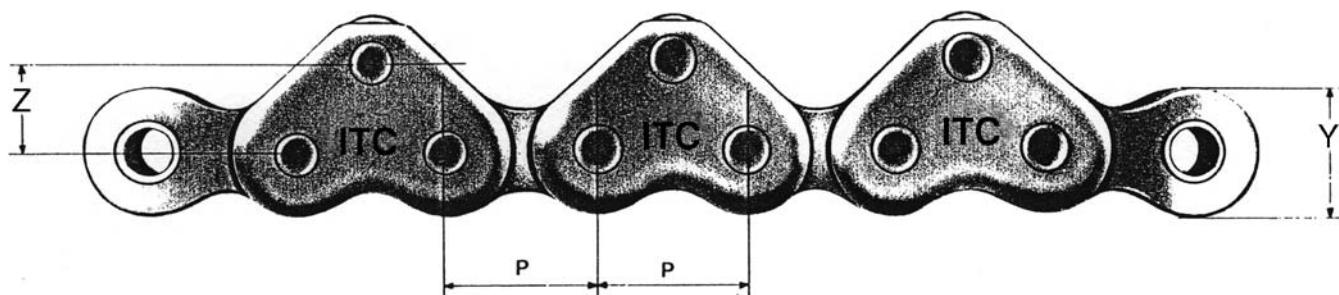
- Trattamento di zincatura - nichelatura - cadmatura

Alternative types:

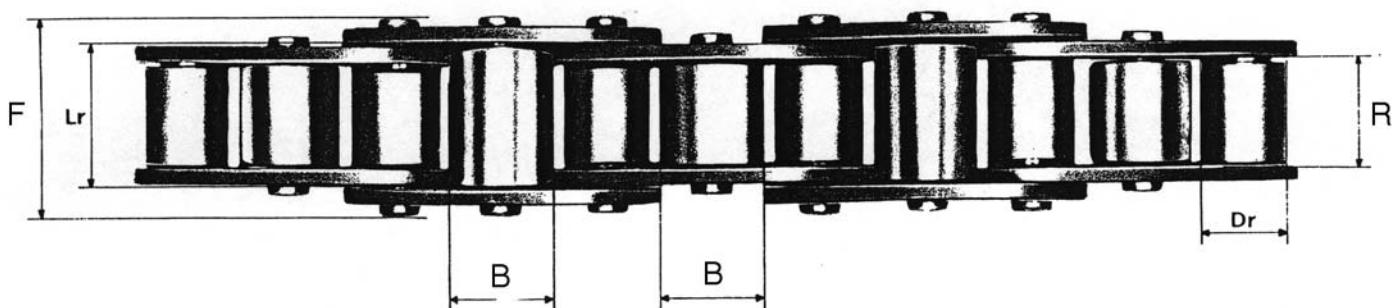
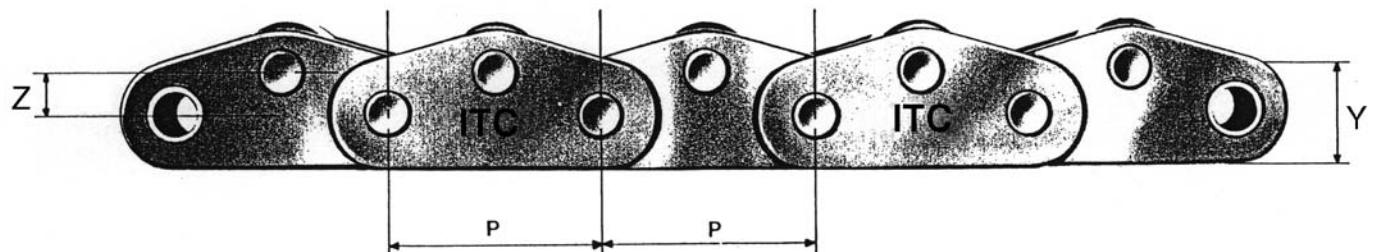
- Galvanization zinc plating - nickel plating - cadmium plating treatment

CATENE PER ACCUMULO / STORAGE CHAINS

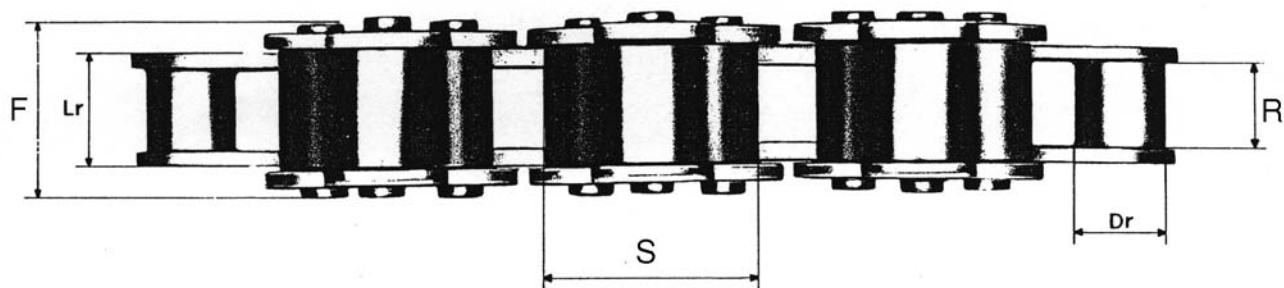
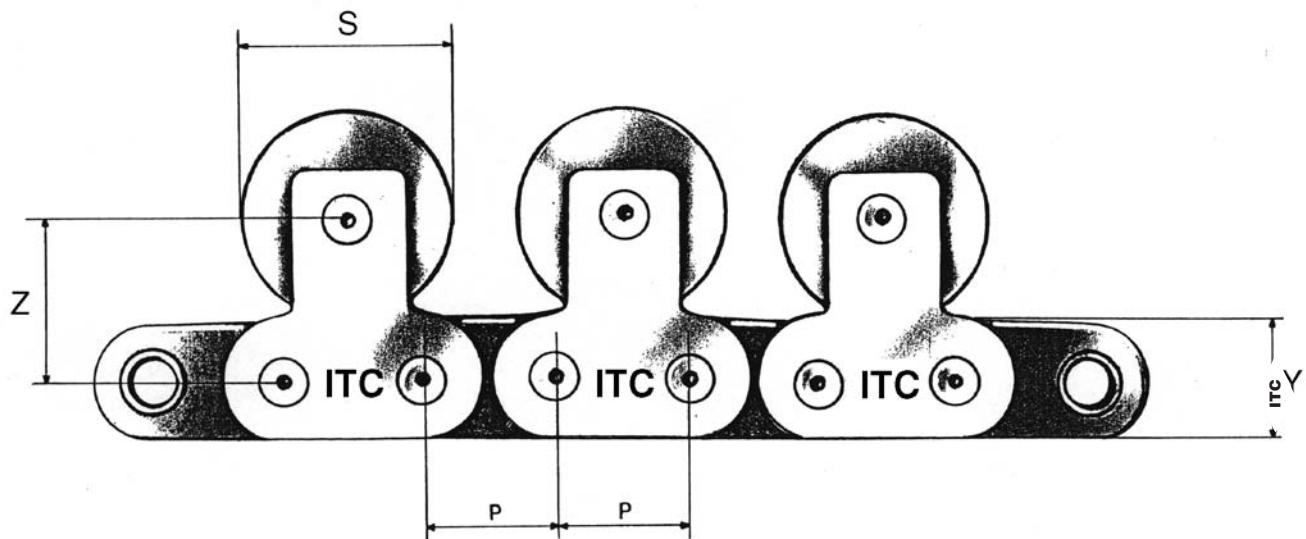
CATENE A RULLI SEMPLICI CON RULLO SUPERIORE FOLLE SINGLE STRAND ROLLER CHAINS WITH IDLE UPPER ROLLER



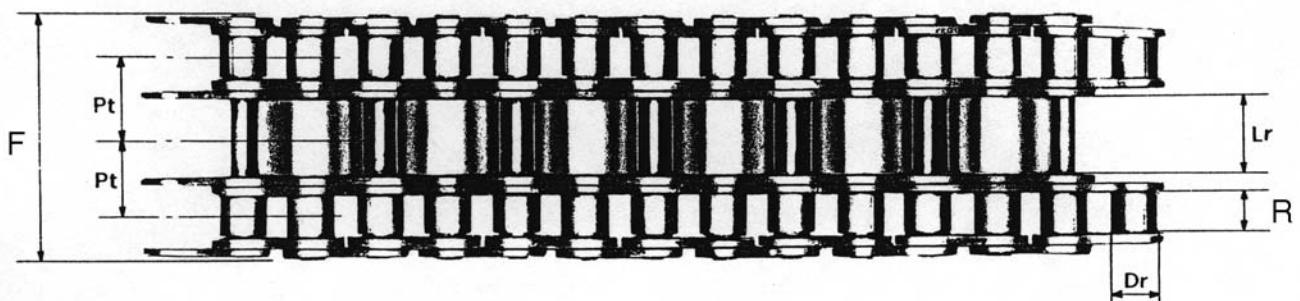
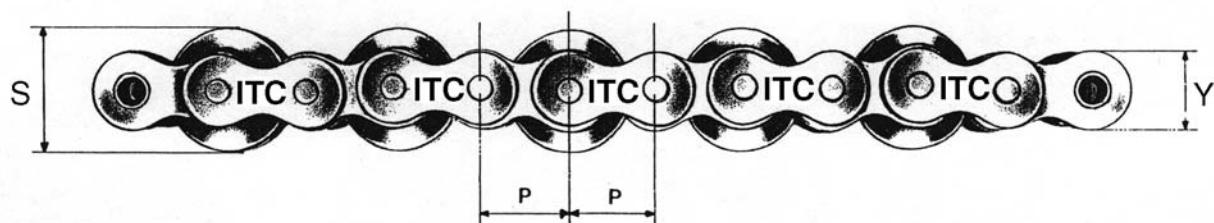
| Codice Ref. | Passo Pitch P mm | Largh. interna Width between inner plates R mm | Diam. rullo Roller diameter Dr mm | Altezza piastra Inner plate depth Y mm | Ingombro perno Width over bearing pins F mm | Diam. rullo folle Diameter of idle roller B mm | Larghezza rullo folle Width of idle roller Lr mm | Interasse verticale Vertical distance between centers Z mm | Carico medio di rotura Medium breaking load Kg |
|-------------|---------------------|---|--------------------------------------|---|--|---|---|---|--|
| E 16-ACC | 25,40 | 17,02 | 15,88 | 23,5 | 35,0 | 30 | 24 | 26 | 6.500 |
| E 20-ACC | 31,75 | 19,56 | 19,05 | 27,2 | 42,0 | 20 | 28 | 19 | 8.500 |

CATENE PER ACCUMULO / STORAGE CHAINS
**CATENE A RULLI SEMPLICI CON RULLO SUPERIORE FOLLE
SINGLE STRAND ROLLER CHAINS WITH IDLE UPPER ROLLER**


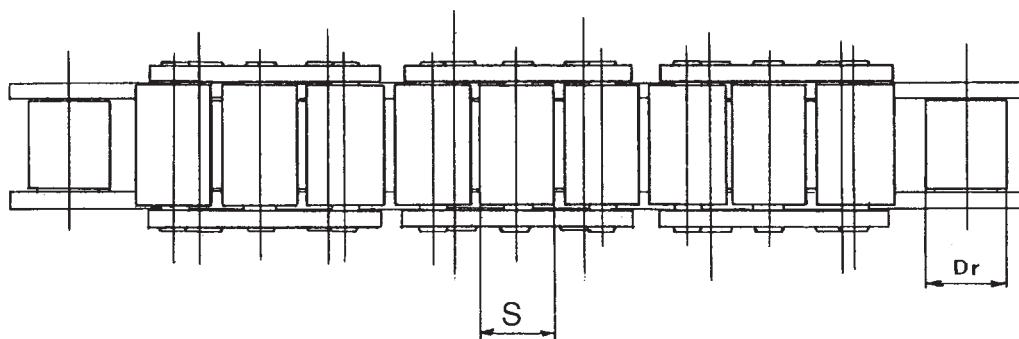
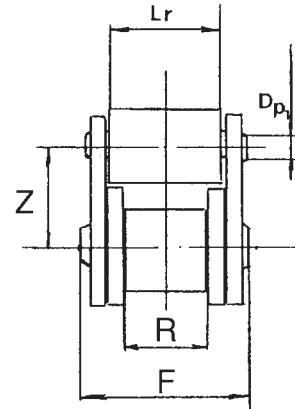
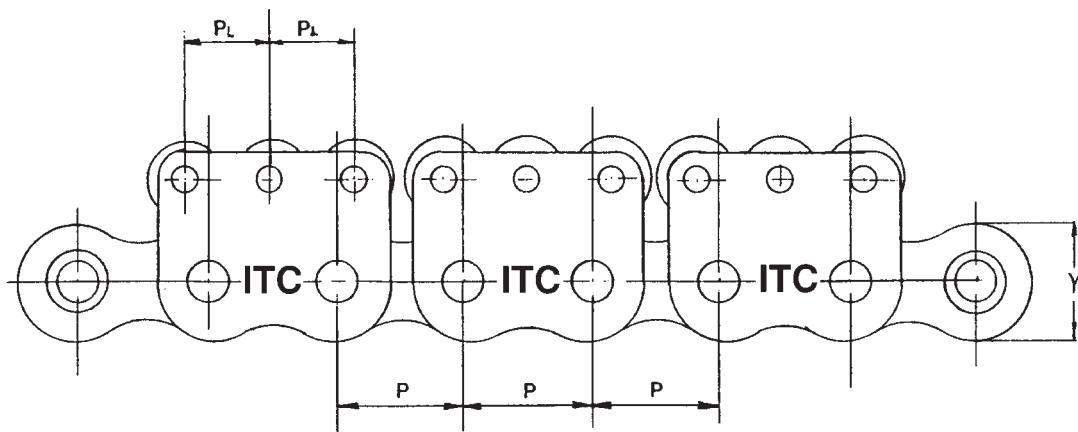
| Codice Ref. | Passo Pitch | Larg. interna Width between inner plates | Diam. rullo Roller diameter | Altezza piastra Inner plate depth | Ingombro perno Width over bearing pins | Diam. rullo folle Diameter of idle roller | Larghezza rullo folle Width of idle roller | Interasse verticale Vertical distance between centers | Carico medio di rotura Medium breaking load |
|----------------|----------------|--|--------------------------------|--------------------------------------|--|--|---|---|---|
| | P mm | R mm | Dr mm | Y mm | F mm | B mm | Lr mm | Z mm | Kg |
| E 50-ACC | 50 | 26 | 20 | 25 | 47 | 24 | 33 | 10 | 4.200 |

CATENE PER ACCUMULO / STORAGE CHAINS
**CATENE A RULLI SEMPLICI CON RULLO SUPERIORE FOLLE
SINGLE STRAND ROLLER CHAINS WITH IDLE UPPER ROLLER**


| Codice Ref. | Passo Pitch mm | Largh. interna Width between inner plates R mm | Diam. rullo Roller diameter Dr mm | Altezza piastra Inner plate depth Y mm | Ingombro perno Width over bearing pins F mm | Diam. rullo folle Diameter of idle roller B mm | Larghezza rullo folle Width of idle roller Lr mm | Interasse verticale Vertical distance between centers Z mm | Carico medio di rottura Medium breaking load Kg |
|-----------------|-------------------|---|--------------------------------------|---|--|---|---|---|---|
| E 6-ACC | 9,525 | 5,72 | 6,35 | 8,26 | 13,50 | 12 | 8,3 | 10,2 | 1.000 |
| E 8-ACC | 12,70 | 7,75 | 8,51 | 11,90 | 16,50 | 15 | 10,7 | 14,5 | 1.900 |
| E 10-ACC | 15,875 | 9,65 | 10,16 | 14,73 | 19,60 | 20 | 13,2 | 18,8 | 2.500 |
| E 12-ACC | 19,05 | 11,68 | 12,07 | 17,50 | 22,70 | 20 | 15,5 | 19,5 | 3.000 |
| E 16-ACC | 25,40 | 17,02 | 15,88 | 23,20 | 36,10 | 23 | 24,0 | 23,6 | 6.500 |

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. interna Width between inner plates R mm | Diam. rullo Roller diameter Dr mm | Altezza piastra Inner plate depth Y mm | Passo trasvers. pitch Pt mm | Diam. rullo folle Diameter of idle roller B mm | Larghezza rullo folle Width of idle roller Lr mm | Interasse verticale Vertical distance between centers Z mm | Carico medio di rotura 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 | 25,40 | 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 | 48,36 | 152 | 45 | 47,0 | 29.000 |

CATENE PER ACCUMULO / STORAGE CHAINS**CATENE PER TRASPORTATORI, CON TRE RULLI FOLLI
CONVEYORS CHAINS, WITH THREE IDLE ROLLERS**

| Codice Ref. | Passo Pitch P mm | Largh. interna Width between inner plates R mm | Diam. rullo Roller diameter Dr mm | Altezza piastra Inner plate depth Y mm | Ingombro perno Width over bearing pins F mm | Diam. rullo folle Diameter of idle roller S mm | Largh. rullo folle Width of idle roller Lr mm | Interasse verticale Vertical distance between centers Z mm | Interasse longitudin. Longitudinal distance between centers P_L mm | Diam. perno sup. Upper pin diameter D_{p_1} mm | Carico medio di rotura Medium breaking load Kg |
|-------------|---------------------|---|--------------------------------------|---|--|---|--|---|---|---|--|
| E 316-ACC | 25,4 | 17,02 | 15,88 | 23,5 | 35 | 15 | 24 | 19,9 | 16,5 | 5,05 | 6.500 |

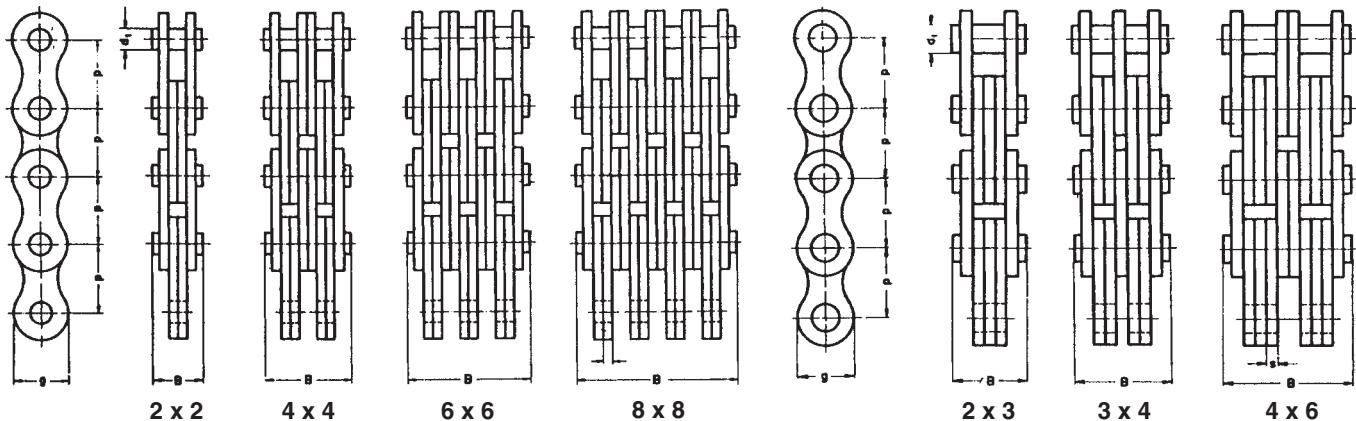


TRAZIONE / TRACTION

CATENE FLEYER A PIASTRE MULTIPLE FLEYER CHAINS WITH MULTIPLE PLATES

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



| Catena tipo Type | Passo Pitch P Pollici / Inches | mm | Composizione piastre Lacing | Diam. perno Max pin diam. d ₁ max mm | Altezza piastre Max plate depth g max. mm | Spessore piastre Plate thickness s mm | Larghezza catena Max chain width B mm | Superficie di lavoro Working surface cm ² | Carico di rottura minimo Min. breaking load N | Peso Weight kg/m |
|---|---|--------|-----------------------------------|--|--|--|--|--|--|------------------------|
| Catene Fleyer, serie americana (AL) / Fleyer chains american series (AL) | | | | | | | | | | |
| AL 422 | | | 2 x 2 | | | | 8,1 | 0,12 | 14.100 | 0,35 |
| AL 444 | 1/2 | 12,7 | 4 x 4 | 3,96 | 10,2 | 1,5 | 14,5 | 0,23 | 28.200 | 0,67 |
| AL 466 | | | 6 x 6 | | | | 20,9 | 0,35 | 42.300 | 1,0 |
| AL 522 | | | 2 x 2 | | | | 10,5 | 0,2 | 22.000 | 0,63 |
| AL 544 | 5/8 | 15,875 | 4 x 4 | 5,08 | 12,8 | 2,0 | 18,7 | 0,4 | 44.000 | 1,2 |
| AL 566 | | | 6 x 6 | | | | 27,1 | 0,6 | 66.000 | 1,75 |
| AL 622 | | | 2 x 2 | | | | 12,6 | 0,28 | 37.000 | 0,93 |
| AL 644 | 3/4 | 19,05 | 4 x 4 | 5,94 | 14,8 | 2,4 | 22,5 | 0,57 | 63.600 | 1,6 |
| AL 666 | | | 6 x 6 | | | | 32,0 | 0,85 | 95.400 | 2,5 |
| AL 688 | | | 8 x 8 | | | | 43,0 | 1,14 | 127.200 | 3,3 |
| AL 844 | 1 | 25,4 | 4 x 4 | 7,92 | 20,5 | 3,05 | 30,8 | 1,01 | 113.400 | 3,3 |
| AL 866 | | | 6 x 6 | | | | 44,4 | 1,52 | 170.000 | 4,9 |
| AL 1044 | 1 1/4 | 31,75 | 4 x 4 | 9,53 | 25,7 | 4,0 | 37,3 | 1,52 | 177.000 | 4,9 |
| AL 1066 | | | 6 x 6 | | | | 54,0 | 2,29 | 265.500 | 7,3 |
| AL 1266 | 1 1/2 | 38,1 | 6 x 6 | 11,1 | 29,4 | 4,7 | 63,3 | 3,12 | 381.000 | 10,5 |
| AL 1288 | | | 8 x 8 | | | | 83,0 | 4,17 | 508.000 | 14,0 |
| AL 1466 | 1 3/4 | 44,45 | 6 x 6 | 12,7 | 36,0 | 5,5 | 74,5 | 4,2 | 558.000 | 13,0 |
| AL 1666 | 2 | 50,8 | 6 x 6 | 14,27 | 41,2 | 6,3 | 85,0 | 5,39 | 642.000 | 18,0 |

TRAZIONE / TRACTION

CATENE FLEYER A PIASTRE MULTIPLE

FLEYER CHAINS WITH MULTIPLE PLATES

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

| Catena tipo Type | Riferimento Ref. DIN | Passo Pitch P Pollici / Inches | mm | Composizione piastre Lacing | Diam. perno Max pin diam. d ₁ max mm | Altezza piastre Max plate depth g max. mm | Spessore piastre Plate thickness s mm | Larghezza catena Max chain width B mm | Superficie di lavoro Working surface cm ² | Carico di rottura minimo Min. breaking load N | Peso Weight kg/m |
|---|----------------------------|---|--------|-----------------------------------|--|--|--|--|--|--|------------------------|
| Catene Fleyer, serie americana (BL) / Fleyer chains american series (BL) | | | | | | | | | | | |
| BL 423 | LH 0823 | | | 2 x 3 | | | | 12,4 | 0,3 | 22.200 | 0,65 |
| BL 434 | LH 0834 | | | 3 x 4 | | | | 16,7 | 0,41 | 33.300 | 0,9 |
| BL 444 | LH 0844 | 1/2 | 12,7 | 4 x 4 | 5,08 | 11,6 | 1,95 | 18,7 | 0,41 | 44.400 | 1,02 |
| BL 446 | LH 0846 | | | 4 x 6 | | | | 22,8 | 0,61 | 44.400 | 1,26 |
| BL 466 | LH 0866 | | | 6 x 6 | | | | 27,1 | 0,61 | 66.600 | 1,51 |
| BL 523 | LH 1023 | | | 2 x 3 | | | | 14,8 | 0,43 | 32.600 | 0,9 |
| BL 534 | LH 1034 | | | 3 x 4 | | | | 19,9 | 0,57 | 48.900 | 1,32 |
| BL 544 | LH 1044 | 5/8 | 15,875 | 4 x 4 | 5,94 | 14,6 | 2,35 | 22,5 | 0,57 | 65.200 | 1,51 |
| BL 546 | LH 1046 | | | 4 x 6 | | | | 27,4 | 0,86 | 65.200 | 1,86 |
| BL 566 | LH 1066 | | | 6 x 6 | | | | 32,0 | 0,86 | 97.800 | 2,24 |
| BL 623 | LH 1223 | | | 2 x 3 | | | | 19,7 | 0,76 | 48.900 | 1,76 |
| BL 634 | LH 1234 | | | 3 x 4 | | | | 26,4 | 1,0 | 73.400 | 2,43 |
| BL 644 | LH 1244 | 3/4 | 19,05 | 4 x 4 | 7,92 | 17,8 | 3,1 | 29,5 | 1,0 | 97.800 | 2,76 |
| BL 646 | LH 1246 | | | 4 x 6 | | | | 35,9 | 1,5 | 97.800 | 3,43 |
| BL 666 | LH 1266 | | | 6 x 6 | | | | 42,4 | 1,5 | 146.700 | 4,1 |
| BL 823 | LH 1623 | | | 2 x 3 | | | | 24,6 | 1,11 | 84.500 | 3,0 |
| BL 834 | LH 1634 | | | 3 x 4 | | | | 33,1 | 1,48 | 126.700 | 4,15 |
| BL 844 | LH 1644 | 1 | 25,4 | 4 x 4 | 9,53 | 23,6 | 4,0 | 37,4 | 1,48 | 169.000 | 4,72 |
| BL 846 | LH 1646 | | | 4 x 6 | | | | 45,5 | 2,22 | 169.000 | 5,86 |
| BL 866 | LH 1666 | | | 6 x 6 | | | | 54,0 | 2,22 | 253.500 | 7,0 |
| BL 1023 | LH 2023 | | | 2 x 3 | | | | 28,6 | 1,56 | 115.700 | 4,35 |
| BL 1034 | LH 2034 | | | 3 x 4 | | | | 38,7 | 2,09 | 173.600 | 6,05 |
| BL 1044 | LH 2044 | 1 1/4 | 31,75 | 4 x 4 | 11,1 | 29,2 | 4,7 | 43,6 | 2,09 | 231.400 | 6,9 |
| BL 1046 | LH 2046 | | | 4 x 6 | | | | 53,3 | 3,12 | 231.400 | 8,5 |
| BL 1066 | LH 2066 | | | 6 x 6 | | | | 63,3 | 3,12 | 347.200 | 10,25 |
| BL 1223 | LH 2423 | | | 2 x 3 | | | | 33,6 | 2,1 | 151.200 | 5,8 |
| BL 1234 | LH 2434 | | | 3 x 4 | | | | 45,5 | 2,79 | 226.800 | 8,0 |
| BL 1244 | LH 2444 | 1 1/2 | 38,1 | 3 x 4 | 12,7 | 34,4 | 5,5 | 51,2 | 2,79 | 302.400 | 9,1 |
| BL 1246 | LH 2446 | | | 4 x 6 | | | | 62,7 | 4,2 | 302.400 | 11,4 |
| BL 1266 | LH 2466 | | | 6 x 6 | | | | 74,5 | 4,2 | 453.600 | 13,6 |
| BL 1288 | LH 2488 | | | 8 x 8 | | | | 97,8 | 5,4 | 604.800 | 17,9 |
| BL 1423 | LH 2823 | | | 2 x 3 | | | | 38,2 | 2,7 | 191.300 | 7,9 |
| BL 1434 | LH 2834 | | | 3 x 4 | | | | 51,7 | 3,6 | 286.900 | 11,0 |
| BL 1444 | LH 2844 | 1 3/4 | 44,45 | 4 x 4 | 14,27 | 40,8 | 6,3 | 58,2 | 3,6 | 382.600 | 12,6 |
| BL 1446 | LH 2846 | | | 4 x 6 | | | | 71,5 | 5,4 | 382.600 | 15,7 |
| BL 1466 | LH 2866 | | | 6 x 6 | | | | 85,0 | 5,4 | 642.000 | 18,8 |
| BL 1623 | LH 3223 | | | 2 x 3 | | | | 42,1 | 3,8 | 289.100 | 9,0 |
| BL 1634 | LH 3234 | | | 3 x 4 | | | | 57,0 | 5,0 | 433.600 | 12,5 |
| BL 1646 | LH 3246 | 2 | 50,8 | 4 x 6 | 17,46 | 47,9 | 7,0 | 78,9 | 7,6 | 578.200 | 17,8 |
| BL 1666 | LH 3266 | | | 6 x 6 | | | | 93,8 | 7,6 | 867.200 | 21,3 |
| BL 1688 | LH 3288 | | | 8 x 8 | | | | 123,3 | 10,0 | 1.156.400 | 28,3 |

TRAZIONE / TRACTION

CATENE FLEYER A PIASTRE MULTIPLE

FLEYER CHAINS WITH MULTIPLE PLATES

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

| Catena tipo Type | Riferimento Ref. DIN | Passo Pitch P Pollici / Inches | mm | Composizione piastre Lacing | Diam. perno Max. pin diam. d ₁ max. mm | Altezza piastre Max. plate depth g max. mm | Spessore piastre Plate thickness s mm | Larghezza catena Pin len B mm | Superficie di lavoro Working surface cm ² | Carico di rottura minimo Min. breaking load N | Peso Weight kg/m |
|--|----------------------------|---|--------|-----------------------------------|--|---|--|--|--|--|------------------------|
| Catene Fleyer, serie europea / Fleyer chains, european series | | | | | | | | | | | |
| UF 922 | — | | | 2 x 2 | | | | 8,0 | | 12.000 | 0,20 |
| UF 944 | — | | | 4 x 4 | | | | 12,8 | | 23.000 | 0,40 |
| UF 966 | — | 3/8 | 9,52 | 6 x 6 | 3,60 | 7,0 | 1,30 | 18,5 | | 35.000 | 0,60 |
| UF 988 | — | | | 8 x 8 | | | | 24,0 | | 46.000 | 0,80 |
| UF 1222 | LL 0822 | | | 2 x 2 | | | | 7,9 | | 18.000 | 0,40 |
| F12-44 | LL 0844 | | | 4 x 4 | | | | 16,1 | 0,28 | 36.400 | 0,82 |
| F12-66 | LL 0866 | 1/2 | 12,7 | 6 x 6 | 4,45 | 10,2 | 1,4 | 23,4 | 0,42 | 54.600 | 1,2 |
| UF 1288 | — | | | 8 x 8 | | | | 25,9 | | 72.000 | 1,50 |
| UF 1522 | LL 1022 | | | 2 x 2 | | | | 8,9 | | 25.000 | 0,50 |
| F15-44 | LL 1044 | 5/8 | 15,875 | 4 x 4 | 5,08 | 12,8 | 1,63 | 14,9 | 0,32 | 45.400 | 0,94 |
| F15-66 | LL 1066 | | | 6 x 6 | | | | 21,4 | 0,48 | 68.100 | 1,4 |
| UF 1588 | — | | | 8 x 8 | | | | 29,3 | | 100.000 | 1,90 |
| UF 1922 | LL 1222 | | | 2 x 2 | | | | 10,5 | | 28.000 | 0,65 |
| UF 1944 | LL 1244 | 3/4 | 19,05 | 4 x 4 | 5,72 | 16,8 | 1,75 | 15,5 | | 60.000 | 1,30 |
| UF 1966 | LL 1266 | | | 6 x 6 | | | | 23,6 | | 92.000 | 1,95 |
| UF 1988 | — | | | 8 x 8 | | | | 31,5 | | 122.000 | 2,60 |
| UF 2522 | LL 1622 | | | 2 x 2 | | | | 16,0 | | 65.000 | 1,90 |
| F25-44 | LL 1644 | 1 | 25,4 | 4 x 4 | 8,28 | 20,5 | 3,05 | 29,1 | 0,99 | 116.000 | 2,8 |
| F25-66 | LL 1666 | | | 6 x 6 | | | | 41,7 | 1,49 | 174.000 | 4,2 |
| F25-88 | LL 1688 | | | 8 x 8 | | | | 54,8 | 1,98 | 232.000 | 5,2 |
| F31-44 | LL 2044 | | | 4 x 4 | | | | 33,3 | 1,42 | 190.000 | 4,2 |
| F31-66 | LL 2066 | 1 1/4 | 31,75 | 6 x 6 | 10,19 | 25,7 | 3,5 | 48,2 | 2,12 | 285.000 | 6,3 |
| F31-88 | LL 2088 | | | 8 x 8 | | | | 63,2 | 2,83 | 380.000 | 8,4 |
| F38-44 | LL 2444 | | | 4 x 4 | | | | 46,9 | 2,91 | 340.000 | 8,2 |
| F38-66 | LL 2466 | 1 1/2 | 38,1 | 6 x 6 | 14,63 | 33,0 | 5,0 | 68,3 | 4,37 | 510.000 | 12,0 |
| F38-88 | LL 2488 | | | 8 x 8 | | | | 89,7 | 5,82 | 680.000 | 16,3 |
| F44-22 | LL 2822 | | | 2 x 2 | | | | 29,4 | 1,9 | 200.000 | 4,8 |
| F44-44 | LL 2844 | 1 3/4 | 44,45 | 4 x 4 | 15,9 | 36,0 | 6,0 | 54,7 | 3,8 | 400.000 | 9,5 |
| F44-66 | LL 2866 | | | 6 x 6 | | | | 80,2 | 5,7 | 600.000 | 14,1 |
| F50-22 | LL 3222 | | | 2 x 2 | | | | 31,8 | 2,24 | 260.000 | 6,2 |
| F50-44 | LL 3244 | 2 | 50,8 | 4 x 4 | 17,81 | 41,2 | 6,3 | 59,1 | 4,47 | 520.000 | 11,9 |
| F50-66 | LL 3266 | | | 6 x 6 | | | | 85,4 | 6,71 | 780.000 | 17,8 |
| F50-88 | LL 3288 | | | 8 x 8 | | | | 112,0 | 8,94 | 1.040.000 | 23,8 |
| F63-22 | LL 4022 | | | 2 x 2 | | | | 39,5 | 3,65 | 360.000 | 9,2 |
| F63-44 | LL 4044 | 2 1/2 | 63,5 | 4 x 4 | 22,89 | 48,0 | 8,0 | 73,1 | 7,3 | 720.000 | 17,9 |
| F63-66 | LL 4066 | | | 6 x 6 | | | | 106,5 | 10,94 | 1.080.000 | 26,6 |
| F76-44 | LL 4844 | 3 | 76,2 | 4 x 4 | 29,24 | 62,0 | 10,0 | 91,2 | 11,66 | 1.120.000 | 29,6 |
| F76-66 | LL 4866 | | | 6 x 6 | | | | 131,0 | 17,5 | 1.680.000 | 44,0 |
| F 1016 | — | 5/8 | 15,875 | 2 x 2 | 5,08 | 12,8 | 2,0 | 14,3 | 0,2 | 22.000 | 0,73 |
| F 1316 | — | — | 20,637 | 2 x 2 | 7,13 | 18,4 | 3,0 | 23,1 | 0,48 | 57.500 | 1,5 |

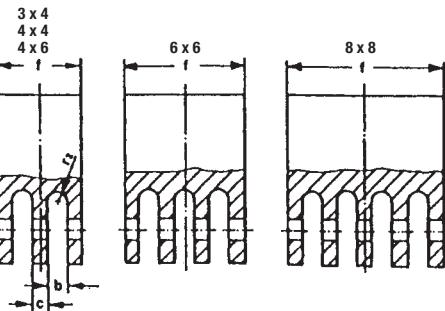
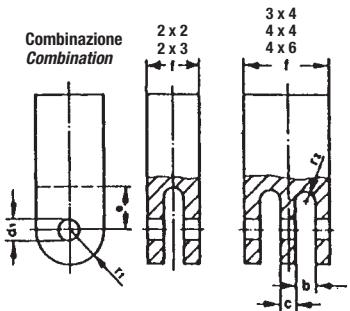
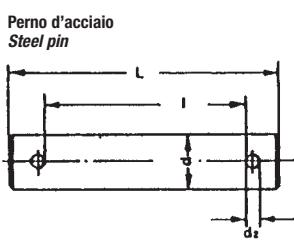
TRAZIONE / TRACTION

ATTACCHI PER CATENE FLEYER/PIASTRE INTERNE

ATTACHMENTS FOR FLEYER CHAINS/INNER PLATES

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



PERNI D'ATTACCO PER CATENE FLEYER ATTACHMENT PINS FOR FLEYER CHAINS

| Catena Tipo Type | <i>l</i> min. mm | <i>L</i> max. mm | <i>d</i> max. mm | <i>d</i> ₂ mm | | |
|---------------------|------------------------|------------------------|------------------------|--------------------------------|--|--|
| BL422/AL522 | 10,8 | 17,0 | | | | |
| BL423 | 12,7 | 18,9 | | | | |
| BL434 | 17,0 | 23,2 | | | | |
| BL444/AL544 | 19,0 | 25,2 | 5,8 | 1,6 | | |
| BL446 | 23,0 | 29,2 | | | | |
| BL466/AL566 | 27,0 | 33,3 | | | | |
| BL488/AL588 | 35,5 | 41,8 | | | | |
| BL522 | 12,8 | 19,4 | | | | |
| BL523 | 15,0 | 21,6 | | | | |
| BL534 | 20,0 | 26,6 | | | | |
| BL544/AL644 | 22,5 | 29,1 | 5,95 | 2,0 | | |
| BL546 | 27,0 | 33,7 | | | | |
| BL566/AL666 | 32,0 | 38,7 | | | | |
| BL588/AL688 | 42,5 | 49,3 | | | | |
| BL623 | 20,0 | 30,7 | | | | |
| BL634 | 27,0 | 37,7 | | | | |
| BL644/AL844 | 30,0 | 40,7 | 7,93 | 3,2 | | |
| BL646 | 37,0 | 47,7 | | | | |
| BL666/AL866 | 43,0 | 53,7 | | | | |
| BL688 | 56,5 | 67,2 | | | | |
| BL823 | 25,0 | 35,7 | | | | |
| BL834 | 33,0 | 43,7 | | | | |
| BL844/AL1044 | 37,0 | 47,7 | 9,52 | 3,2 | | |
| BL846 | 46,0 | 56,7 | | | | |
| BL866/AL1066 | 53,0 | 63,7 | | | | |
| BL888/AL1088 | 69,5 | 80,3 | | | | |
| BL1023 | 30,0 | 42,4 | | | | |
| BL1034 | 39,2 | 51,6 | | | | |
| BL1044/AL1244 | 44,2 | 56,6 | 11,09 | 4,0 | | |
| BL1046 | 54,2 | 66,6 | | | | |
| BL1066/AL1266 | 63,2 | 75,6 | | | | |
| BL1088/AL1288 | 79,9 | 92,4 | | | | |
| BL1223 | 34,5 | 46,9 | | | | |
| BL1234 | 46,2 | 58,6 | | | | |
| BL1244/AL1444 | 50,0 | 64,4 | 12,7 | 4,0 | | |
| BL1246 | 63,5 | 76,0 | | | | |
| BL1266/AL1466 | 75,3 | 87,8 | | | | |
| BL1288/AL1488 | 98,6 | 111,1 | | | | |
| BL1423 | 38,7 | 51,1 | | | | |
| BL1434 | 52,2 | 64,6 | | | | |
| BL1444 | 58,6 | 71,1 | 14,27 | 4,0 | | |
| BL1446 | 71,7 | 84,2 | | | | |
| BL1466 | 85,1 | 97,7 | | | | |
| BL1623 | 43,1 | 60,6 | | | | |
| BL1634 | 58,0 | 75,5 | | | | |
| BL1644 | 65,7 | 82,9 | 17,46 | 5,0 | | |
| BL1646 | 79,9 | 97,4 | | | | |
| BL1666 | 94,6 | 112,2 | | | | |
| BL1688 | 124,0 | 141,6 | | | | |

DIMENSIONI CONSIGLIATE PER PETTINE (MATERIALE 590 N/MM²) SUGGESTED DIMENSIONS FOR CHASER (MATERIAL 590 N/MM²)

| <i>f</i> max. mm | <i>b</i> min. mm | <i>c</i> max. mm | <i>d</i> ₁ mm | <i>e</i> min. mm | <i>r</i> ₁ max. mm | <i>r</i> ₂ max. mm |
|------------------------|------------------------|------------------------|-----------------------------|------------------------|-------------------------------------|-------------------------------------|
| 10,7 | 4,2 | — | | | | 2,0 |
| 12,6 | 6,4 | — | | | | 3,0 |
| 16,9 | 4,2 | 2,0 | | | | 2,0 |
| 18,9 | 4,2 | 4,0 | 5,15 | 9,0 | 6,5 | 2,0 |
| 22,9 | 6,4 | 4,0 | | | | 3,0 |
| 26,9 | 4,2 | 4,0 | | | | 2,0 |
| 35,4 | 4,2 | 4,0 | | | | 2,0 |
| 12,7 | 5,0 | — | | | | 2,0 |
| 14,9 | 7,5 | — | | | | 3,0 |
| 19,9 | 5,0 | 2,4 | | | | 2,0 |
| 22,4 | 5,0 | 4,8 | 6,0 | 11,0 | 8,0 | 2,0 |
| 26,9 | 7,5 | 4,8 | | | | 3,0 |
| 31,9 | 5,0 | 4,8 | | | | 2,0 |
| 42,4 | 5,0 | 4,8 | | | | 2,0 |
| 19,9 | 10,3 | — | | | | 5,0 |
| 26,9 | 6,8 | 3,2 | | | | 3,0 |
| 29,9 | 6,8 | 6,4 | | | | 3,0 |
| 36,9 | 10,3 | 6,4 | 8,0 | 14,0 | 9,5 | 5,0 |
| 42,9 | 6,8 | 6,4 | | | | 3,0 |
| 56,4 | 6,8 | 6,4 | | | | 3,0 |
| 24,9 | 12,8 | — | | | | 6,0 |
| 32,9 | 8,5 | 4,0 | | | | 4,0 |
| 36,9 | 8,5 | 8,0 | 9,6 | 18,0 | 12,5 | 4,0 |
| 45,9 | 12,8 | 8,0 | | | | 6,0 |
| 52,9 | 8,5 | 8,0 | | | | 4,0 |
| 69,4 | 8,5 | 8,0 | | | | 4,0 |
| 29,8 | 15,1 | — | | | | 7,0 |
| 39,0 | 10,0 | 4,7 | | | | 5,0 |
| 44,0 | 10,0 | 9,4 | 11,2 | 22,0 | 15,0 | 5,0 |
| 54,0 | 15,1 | 9,4 | | | | 7,0 |
| 63,0 | 10,0 | 9,4 | | | | 5,0 |
| 79,7 | 10,0 | 9,4 | | | | 5,0 |
| 34,3 | 17,7 | — | | | | 8,0 |
| 46,0 | 11,8 | 5,5 | | | | 5,0 |
| 49,0 | 11,8 | 11,0 | 12,8 | 26,0 | 19,0 | 5,0 |
| 63,3 | 17,7 | 11,0 | | | | 8,0 |
| 75,1 | 11,8 | 11,0 | | | | 5,0 |
| 98,4 | 11,8 | 11,0 | | | | 5,0 |
| 38,5 | 20,1 | — | | | | 10,0 |
| 52,0 | 13,4 | 6,3 | | | | 6,0 |
| 58,4 | 13,4 | 12,6 | 14,35 | 31,0 | 22,0 | 10,0 |
| 71,5 | 20,1 | 12,6 | | | | 10,0 |
| 84,9 | 13,4 | 12,6 | | | | 10,0 |
| 42,8 | 22,5 | — | | | | 10,0 |
| 57,7 | 15,0 | 7,1 | | | | 7,0 |
| 65,4 | 15,0 | 14,2 | 17,5 | 34,0 | 25,0 | 7,0 |
| 79,6 | 22,5 | 14,2 | | | | 10,0 |
| 94,3 | 15,0 | 14,2 | | | | 7,0 |
| 123,7 | 15,0 | 14,2 | | | | 7,0 |

AGRICOLTURA / AGRICULTURE

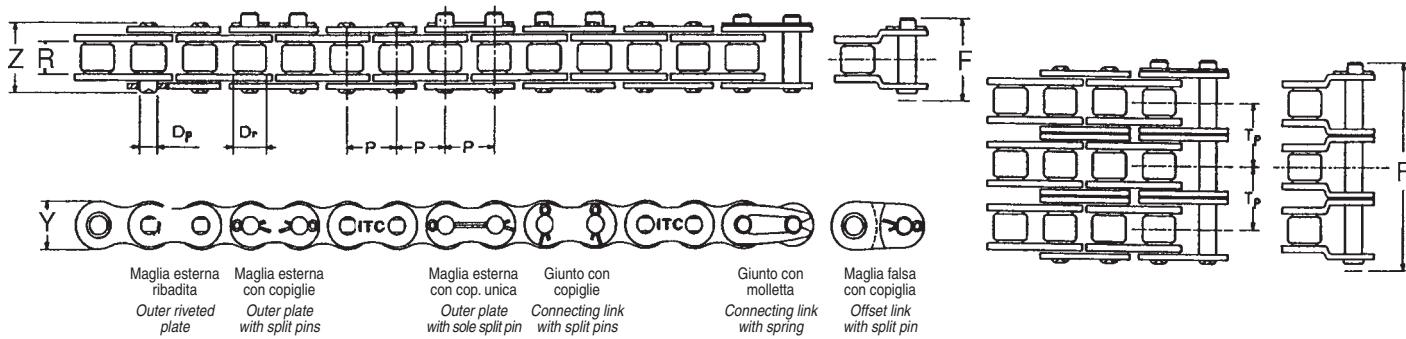
CATENE A RULLI “SERIE AMERICANA RINFORZATA” (ANSI H) “AMERICAN REINFORCED SERIES” ROLLER CHAINS (ANSI H)

Derivate dalle catene a rulli “Serie Americana”, sono distinguibili da queste, esclusivamente per lo spessore delle piastre.

Lo spessore delle piastre delle catene sotto raffigurate, fa sì che quest’ultime, vengano preferite all’impiego di trasmissioni con carichi a strappi, assai valide per l’impiego agricolo, nelle fresatrici ad esempio.

Non si tratta di catene con unificazione ISO.

The thickness of plates, marks the difference for these reinforced chains from the “American series” from which they derive. The thickness of chain plates, indicated below, grants a greater adaptability in transmissions with tearing loads: they are particularly used in agricultural sector, milling machines. These chains are not ISO unified.



SERIE AMERICANA RINFORZATA (ANSI H) / REINFORCED AMERICAN SERIES (ANSI H)

| | ANSI B29-1 | Passo Pitch P mm | Diam. rullo max. Max. roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max. pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Passo trasv. pitch Transverse pitch Tp mm | Largh. catena ribad. max Max. width over connecting pins Z mm | Ingombro catena max Max. width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|-----------------|------------|---------------------|--|--|--|--|---|---|---|---|--|---------------------------------------|
| A 60H | 60 H | 19,05 | 11,91 | 12,70 | 5,94 | 18,08 | 26,30 | 29,50 | 38,7 | 115 | 36.100 | 1,70 |
| A 60H-2 | | 19,05 | 11,91 | 12,70 | 5,94 | 18,08 | 26,30 | 55,5 | 64,7 | 230 | 72.300 | 3,40 |
| A 80H | 80 H | 25,40 | 15,88 | 15,88 | 7,92 | 24,13 | 32,80 | 36,5 | 47,3 | 190 | 62.700 | 2,98 |
| A 80H-2 | | 25,40 | 15,88 | 15,88 | 7,92 | 24,13 | 32,80 | 69,5 | 80,3 | 380 | 125.500 | 5,91 |
| A 80H-3 | | 25,40 | 15,88 | 15,88 | 7,92 | 24,13 | 32,80 | 102,3 | 113,1 | 570 | 188.000 | 8,84 |
| A 100H | 100 H | 31,75 | 19,05 | 19,05 | 9,53 | 30,18 | 39,35 | 44,0 | 56,2 | 275 | 103.000 | 4,35 |
| A 100H-2 | | 31,75 | 19,05 | 19,05 | 9,53 | 30,18 | 39,35 | 83,0 | 95,2 | 550 | 205.600 | 8,64 |
| A 100H-3 | | 31,75 | 19,05 | 19,05 | 9,53 | 30,18 | 39,35 | 122,5 | 134,7 | 325 | 309.000 | 12,93 |
| A 120H | 120 H | 38,10 | 25,40 | 25,40 | 11,10 | 36,20 | 49,20 | 54,0 | 67,2 | 410 | 146.700 | 6,50 |
| A 120H-2 | | 38,10 | 25,40 | 25,40 | 11,10 | 36,20 | 49,20 | 103,2 | 116,2 | 820 | 293.000 | 12,88 |
| A 120H-3 | | 38,10 | 25,40 | 25,40 | 11,10 | 36,20 | 49,20 | 152,4 | 165,5 | 1230 | 439.000 | 19,26 |
| A 140H | 140 H | 44,45 | 25,40 | 25,40 | 12,70 | 42,24 | 52,60 | 58,0 | 72,8 | 495 | 197.800 | 8,20 |
| A 140H-2 | | 44,45 | 25,40 | 25,40 | 12,70 | 42,24 | 52,60 | 110,5 | 125,3 | 990 | 396.000 | 16,70 |
| A 140H-3 | | 44,45 | 25,40 | 25,40 | 12,70 | 42,24 | 52,60 | 163,0 | 177,8 | 1485 | 594.000 | 24,40 |
| A 160H | 160 H | 50,80 | 31,75 | 31,75 | 14,27 | 48,26 | 61,80 | 68,0 | 83,8 | 665 | 249.200 | 10,41 |
| A 160H-2 | | 50,80 | 31,75 | 31,75 | 14,27 | 48,26 | 61,80 | 129,8 | 145,6 | 1330 | 498.500 | 20,65 |
| A 160H-3 | | 50,80 | 31,75 | 31,75 | 14,27 | 48,26 | 61,80 | 192,0 | 207,8 | 1995 | 747.000 | 30,89 |
| A 200H | 200 H | 63,50 | 38,10 | 38,10 | 19,84 | 60,33 | 78,30 | 84,9 | 101,4 | 1130 | 409.000 | 18,12 |

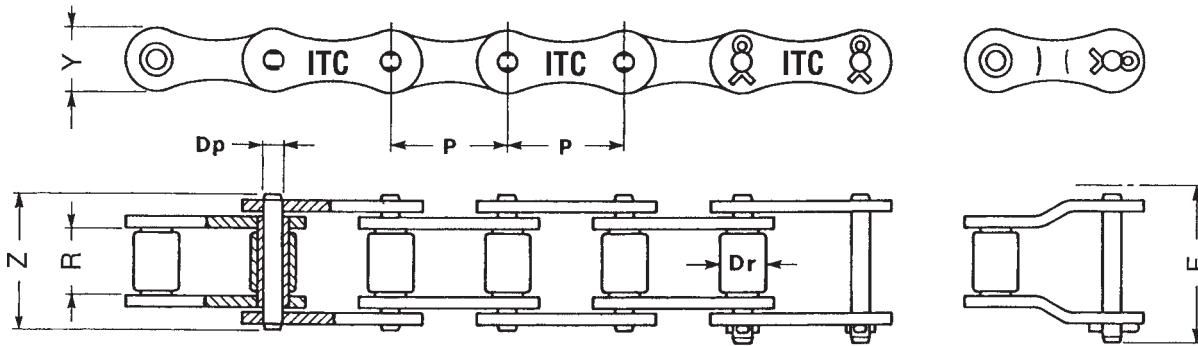
AGRICOLTURA / AGRICULTURE

SERIE AGRICOLA EUROPA (ISO)

EUROPEAN AGRICULTURAL SERIES (ISO)

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



CATENE ANCO / ANCO CHAINS

| ISO N° | Passo Pitch mm | Diam. rullo max. Max. roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max. pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Largh. perno ribad. Width over riveted pin Z mm | Ingombro catena max Max. width over bearing pins F mm | Superf. di lavoro Working surface mm² | Carico di rottura medio Medium breaking load N | Peso approx Approx. weight Kg/m |
|-------------|----------------------|---|---|---|---|--|--|---|--|---|
| S 32 | 29,21 | 11,43 | 15,88 | 4,47 | 13,50 | 26,6 | 31,8 | 90 | 20.800 | 0,75 |
| S 42 | 34,93 | 14,27 | 19,05 | 7,01 | 19,80 | 34,0 | 39,4 | 177 | 42.700 | 1,60 |
| S 45 | 41,40 | 15,24 | 22,23 | 5,74 | 17,30 | 37,7 | 43,2 | 163 | 33.270 | 1,46 |
| S 51 | 38,10 | 15,24 | 16,00 | 5,74 | 17,30 | 31,5 | 35,0 | 120 | 33.270 | 1,10 |
| S 52 | 38,10 | 15,24 | 22,23 | 5,74 | 17,30 | 37,7 | 43,2 | 163 | 33.270 | 1,56 |
| S 55 | 41,40 | 17,78 | 22,23 | 5,74 | 17,30 | 37,7 | 43,2 | 163 | 33.270 | 1,65 |
| S 62 | 41,91 | 19,05 | 25,40 | 5,74 | 17,30 | 40,4 | 45,7 | 182 | 33.270 | 1,87 |
| S 77 | 58,34 | 18,26 | 22,23 | 8,92 | 26,20 | 43,2 | 52,1 | 277 | 84.400 | 2,60 |
| S 88 | 66,27 | 22,86 | 28,58 | 8,92 | 26,20 | 50,8 | 58,4 | 334 | 84.400 | 3,25 |

AGRICOLTURA / AGRICULTURE

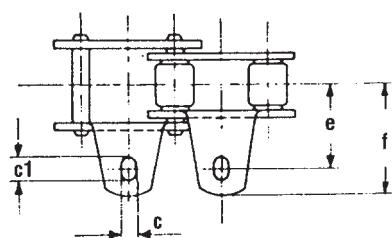
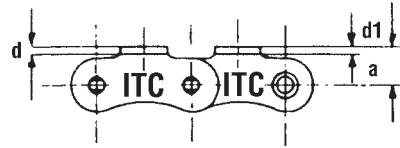
SERIE AGRICOLA EUROPA (ISO)

EUROPEAN AGRICULTURAL SERIES (ISO)

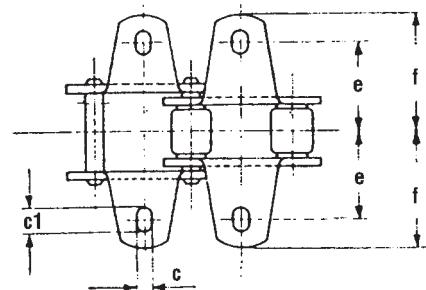
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

ATTACCHI PER TRASPORTATORI MIETITREBBIA ATTACHMENTS FOR COMBINE HARVESTER CONVEYORS



E1



EK1

| PER CATENA N° FOR CHAIN N° | Passo Pitch | P mm | a mm | c mm | c' mm | d mm | d' mm | e mm | f mm |
|-------------------------------|----------------|---------|---------|---------|----------|---------|----------|---------|---------|
| S 32 | | 29,21 | 8,6 | 5,3 | 8,0 | 1,70 | 1,70 | 21,5 | 30,5 |
| S 42 | | 34,93 | 14,0 | 8,3 | 12,5 | 2,50 | 2,50 | 27,0 | 37,5 |
| S 45 | | 41,40 | 11,4 | 8,5 | 11,7 | 2,50 | 2,50 | 27,0 | 37,5 |
| S 51 | | 38,10 | 11,4 | 8,5 | 10,1 | 2,50 | 2,50 | 24,9 | 34,0 |
| S 52 | | 38,10 | 11,4 | 8,5 | 10,1 | 2,50 | 2,50 | 29,4 | 38,8 |
| S 55 | | 41,40 | 11,4 | 8,5 | 11,7 | 2,50 | 2,50 | 27,0 | 37,5 |
| S 62 | | 41,91 | 11,4 | 8,5 | 15,0 | 2,50 | 2,50 | 33,3 | 47,7 |
| S 77 | | 58,34 | 20,8 | 8,5 | 11,7 | 4,00 | 4,00 | 38,1 | 50,9 |
| S 88 | | 66,27 | 20,8 | 8,5 | 10,1 | 4,00 | 4,00 | 48,4 | 59,8 |

AGRICOLTURA / AGRICULTURE

SERIE AGRICOLA EUROPA (ISO)

EUROPEAN AGRICULTURAL SERIES (ISO)

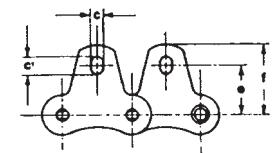
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

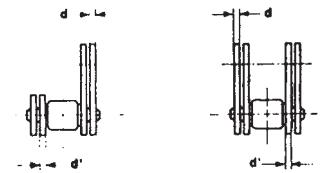
ATTACCHI PER ELEVATORI, MIETITREBBIA ATTACHMENTS FOR COMBINE HARVESTER, ELEVATORS

Tipo EM-35 EM-1 / Type EM-35 EM-1

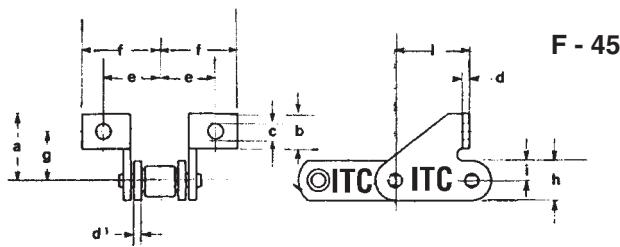
| PER CATENA N° FOR CHAIN N° | Passo Pitch | P mm | c mm | c ¹ mm | d mm | d ¹ mm | e mm | f mm | Sovrappeso unitario approx. Approx. unitary over weight attacco/attachment M-35 Kg | Sovrappeso unitario approx. Approx. unitary over weight attacco/attachment M-1 Kg |
|-------------------------------|----------------|---------|---------|----------------------|---------|----------------------|---------|---------|--|---|
| S 32 | 29,21 | 5,3 | 8,0 | 1,70 | 1,70 | 17,5 | 26,2 | 0,005 | 0,010 | |
| S 42 | 34,93 | 8,3 | 12,5 | 2,50 | 2,50 | 23,6 | 34,3 | 0,009 | 0,018 | |
| S 45 | 41,40 | 8,5 | 11,7 | 2,50 | 2,50 | 19,8 | 30,2 | 0,011 | 0,022 | |
| S 51 | 38,10 | 8,5 | 10,1 | 2,50 | 2,50 | 19,8 | 31,8 | 0,010 | 0,020 | |
| S 52 | 38,10 | 8,5 | 10,1 | 2,50 | 2,50 | 22,1 | 31,8 | 0,010 | 0,020 | |
| S 55 | 41,40 | 8,5 | 11,7 | 2,50 | 2,50 | 19,8 | 30,2 | 0,011 | 0,022 | |
| S 62 | 41,91 | 8,5 | 15,0 | 2,50 | 2,50 | 24,6 | 38,6 | 0,013 | 0,026 | |
| S 77 | 58,34 | 8,5 | 11,7 | 4,00 | 4,00 | 36,3 | 50,0 | 0,020 | 0,040 | |
| S 88 | 66,27 | 8,5 | 10,1 | 4,00 | 4,00 | 43,7 | 55,6 | 0,024 | 0,044 | |



EM - 35



EM - 1



F - 45

Tipo F-45 / Type F-45

| PER CATENA N° FOR CHAIN N° | Tipo di attacco Type of attachment | Passo Pitch | a mm | b mm | c mm | d mm | d ¹ mm | e mm | f mm | g mm | h mm | i mm | l mm | Sovrappeso unitario approx. attacco Approx. unitary over weight attachment F-1 Kg |
|-------------------------------|---|----------------|---------|---------|---------|---------|----------------------|---------|---------|---------|---------|---------|---------|--|
| CA 39 | F 45 | 38,40 | 34,50 | 21,00 | 8,40 | 2,50 | 2,50 | 25,75 | 34,90 | 24,00 | 17,20 | 8,60 | 37,50 | 0,036 |

AGRICOLTURA / AGRICULTURE

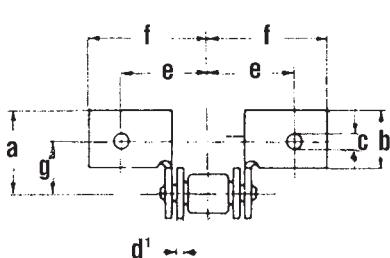
SERIE AGRICOLA EUROPA (ISO)

EUROPEAN AGRICULTURAL SERIES (ISO)

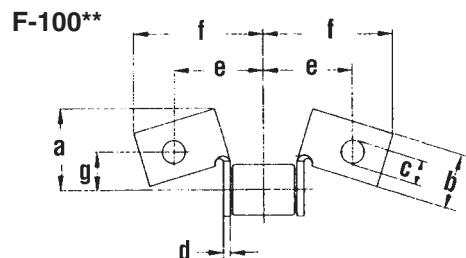
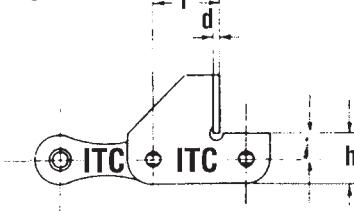
Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.

ATTACCHI PER ELEVATORI, MIETITREBBIA ATTACHMENTS FOR COMBINE HARVESTER, ELEVATORS



F-1 F-81



Tipo F-1 F-81 F-100 / Type F-1 F-81 F-100

| PER CATENA N° FOR CHAIN N° | Tipo di attacco Type of attachment | Passo Pitch | | | | | | | | | | | | |
|-------------------------------|---|----------------|---------|---------|---------|---------|---------|----------------------|---------|---------|---------|---------|---------|---------|
| | | | P mm | a mm | b mm | c mm | d mm | d ¹ mm | e mm | f mm | g mm | h mm | i mm | l mm |
| S 45 | F 1 | 41,40 | 29,0 | 19,0 | 6,5 | 2,5 | 2,5 | 31,0 | 44,6 | 19,0 | 19,0 | 19,0 | 10,0 | 31,9 |
| S 51 | F 1 | 38,10 | 29,0 | 19,0 | 6,5 | 2,5 | 2,5 | 27,2 | 34,9 | 19,0 | 19,0 | 19,0 | 10,0 | 28,7 |
| S 52 | F 1 | 38,10 | 29,0 | 19,0 | 6,5 | 2,5 | 2,5 | 31,0 | 44,6 | 19,0 | 19,0 | 19,0 | 10,0 | 28,7 |
| S 55 | F 1 | 41,40 | 29,0 | 19,0 | 6,5 | 2,5 | 2,5 | 31,0 | 44,6 | 19,0 | 19,0 | 19,0 | 10,0 | 31,9 |
| S 62 | F 1 | 41,91 | 29,0 | 19,0 | 6,5 | 2,5 | 2,5 | 32,0 | 46,1 | 19,0 | 19,0 | 19,0 | 10,0 | 32,4 |
| S 55 | F 81 | 41,4 | 29,0 | 19,0 | 6,5 | 2,5 | 2,5 | 29,0 | 44,6 | 20,0 | 19,0 | 10,0 | 10,0 | 31,9 |
| S 55 | F 100 | 41,4 | 29,0 | 19,0 | 6,5 | 2,5 | — | 31,0 | 44,6 | 19,0 | — | 10,0 | — | — |

** Attacco F-100 disponibile solo su maglia interna
F-100 attachment available only on inner plate.

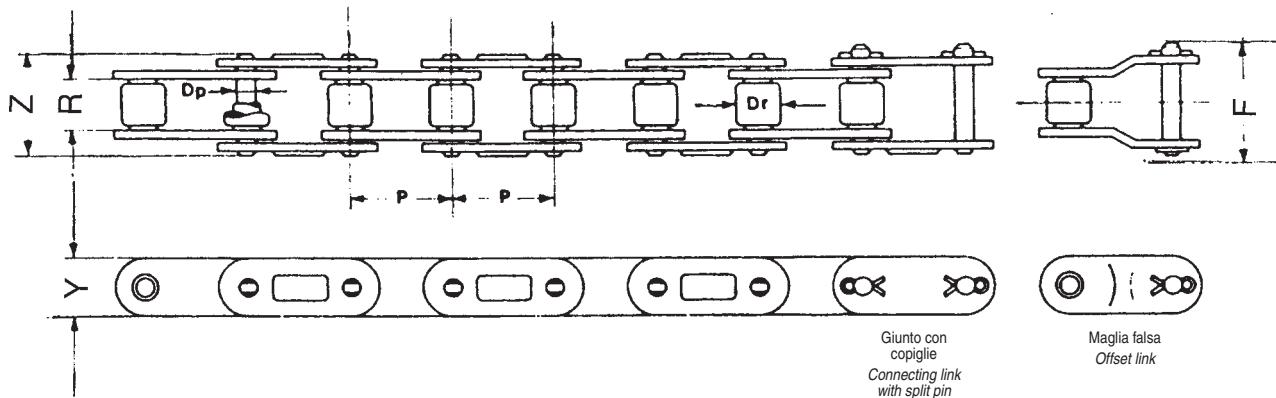
AGRICOLTURA / AGRICULTURE

SERIE AGRICOLA AMERICANA

EUROPEAN AGRICULTURAL SERIES (ISO)

Nota: Tutte le dimensioni indicate, sono espresse in mm.

Note: All dimensions are expressed in mm.



CATENE CA / CA CHAINS

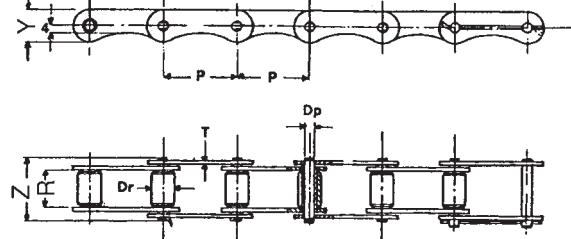
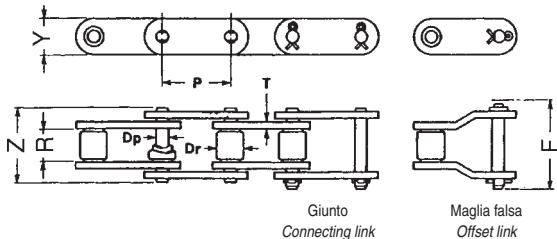
| | | Passo Pitch | Diam. rullo max. Max. roller diam. | Largh. Int. min. Width between inner plates | Diam. perno max Max. pin diam. | Altezza piastra max Inner plate depth Y mm | Largh. perno ribad. Width over riveted pin Z mm | Ingombro catena max Max. width over bearing pins F mm | Superf. di lavoro Working surface | Carico di rottura medio Medium breaking load N | Peso netto al m Approx. weight Kg/m |
|-----------|---|----------------|---|--|---|---|--|--|--|--|---|
| | | P mm | Dr mm | R mm | Dp mm | Y mm | Z mm | F mm | mm ² | | |
| CA 555 | - | 41,40 | 16,81 | 12,70 | 7,14 | 19,30 | 29,60 | 34,30 | 135 | 47.530 | 193 |
| CA 550 | - | 41,40 | 16,66 | 20,00 | 7,14 | 19,30 | 34,90 | 40,40 | 180 | 37.900 | 1,93 |
| CA 550 R | - | 41,40 | 16,81 | 19,80 | 7,18 | 19,30 | 36,25 | 41,80 | 189 | 55.870 | 2,00 |
| CA 620 • | - | 42,01 | 17,68 | 25,00 | 7,14 | 20,05 | 45,2 | 48,50 | 234 | 58.200 | 2,34 |
| CA 2063 H | - | 38,10 | 11,89 | 12,70 | 5,95 | 19,30 | 29,40 | 34,20 | 114 | 36.100 | 1,65 |

AGRICOLTURA / AGRICULTURE

SERIE AGRICOLA EUROPEA (ISO)

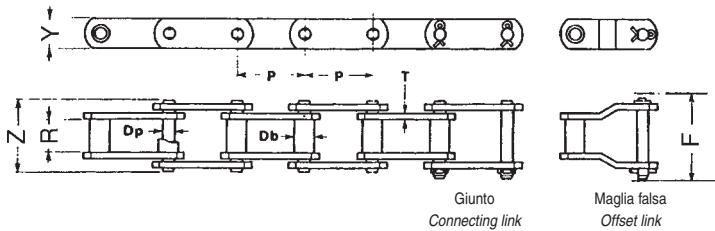
EUROPEAN AGRICULTURAL SERIES (ISO)

CS 404



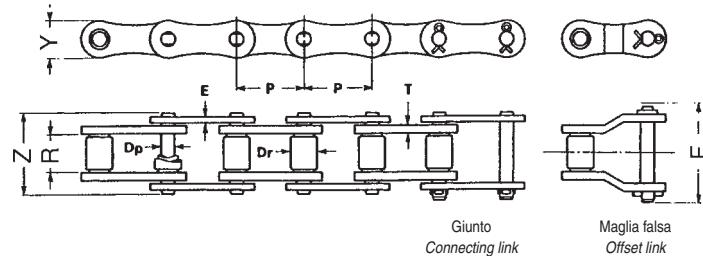
TIPO DIN STANDARD E SPECIALI / DIN TYPE - STANDARD AND SPECIALS

| | ISO N° | Passo Pitch P mm | Diam. rullo max. Max. roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max. pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Spessore piastra max Max. thickness plate T mm | Largh. perno ribad. Width over riveted pin Z mm | Ingombro catena max Max. width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso netto al m Net weight per mt Kg/m |
|----------|--------|---------------------|--|--|--|--|--|---|---|--|---|---|
| CA 39 | - | 38,40 | 15,88 | 19,00 | 6,92 | 17,20 | 2,50 | 33,10 | 38,30 | 166 | 34.200 | 1,70 |
| CA 622 • | - | 38,40 | 21,00 | 19,00 | 6,92 | 17,20 | 2,50 | 33,10 | 38,30 | 166 | 34.200 | 2,00 |
| CA 623 • | - | 38,40 | 21,00 | 19,00 | 6,92 | 17,20 | 3,00 | 34,10 | 39,50 | 166 | 34.200 | 2,10 |
| CA 624 | - | 38,40 | 15,88 | 19,00 | 8,27 | 20,50 | 3,00 | 34,40 | 44,20 | 207 | 45.600 | 1,90 |
| CA 2801 | - | 30,00 | 15,88 | 19,00 | 8,27 | 20,50 | 3,00 | 34,40 | 44,20 | 207 | 59.000 | 2,00 |
| CS 404 | - | 40,00 | 12,07 | 21,50 | 6,00 | 18,00 | 3,00 | 37,40 | 43,27 | 165 | 39.000 | 1,60 |



TIPO A BUSSOLE / SLEEVES TYPE

| | ISO N° | Passo Pitch P mm | Diam. bussola Sleeve diam. Db mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max. pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Spessore piastra max Max. thickness plate T mm | Largh. perno ribad. Width over riveted pin Z mm | Ingombro catena max Max. width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso netto al m Net weight per mt Kg/m |
|--------|--------|---------------------|--|--|--|--|--|---|---|--|---|---|
| CA 395 | - | 38,40 | 10,38 | 19,00 | 6,92 | 17,20 | 2,50 | 33,10 | 38,30 | 166 | 34.200 | 1,50 |

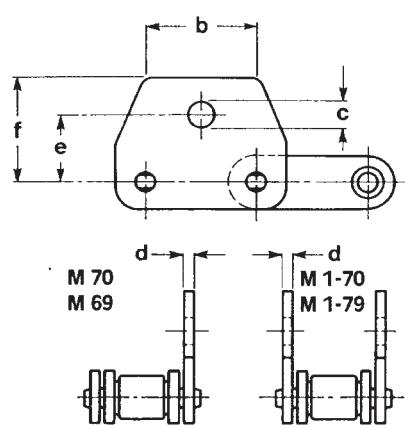
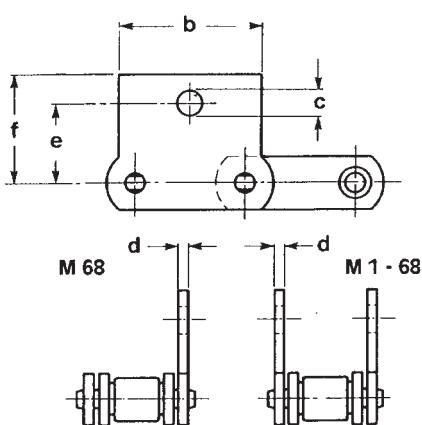
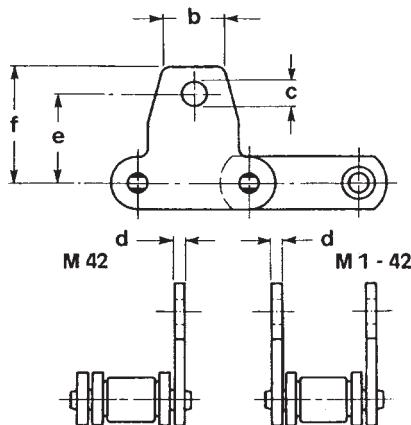


TIPO RINFORZATO / REINFORCED TYPE

| | ISO N° | Passo Pitch P mm | Diam. rullo max. Max. roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max. pin diam. Dp mm | Altezza piastra max Inner plate depth Y mm | Spessore piastra max Max. thickness plate T mm | Largh. perno ribad. Width over riveted pin Z mm | Ingombro catena max Max. width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso netto al m Net weight per mt Kg/m |
|----------|--------|---------------------|--|--|--|--|--|---|---|--|---|---|
| CA 642 | - | 41,40 | 15,88 | 19,00 | 8,27 | 22,20 | 3,00 | 34,40 | 44,20 | 207 | 56.200 | 1,90 |
| CA 643 | - | 41,40 | 15,88 | 22,20 | 8,27 | 22,20 | 4,00 | 41,00 | 48,30 | 252 | 69.500 | 2,40 |
| CA 644 • | - | 41,40 | 19,05 | 22,20 | 8,27 | 22,20 | 4,00 | 41,00 | 48,30 | 252 | 69.500 | 2,80 |
| CA 645 | - | 41,40 | 17,78 | 22,20 | 8,27 | 22,20 | 4,00 | 41,00 | 48,30 | 252 | 69.500 | 2,60 |

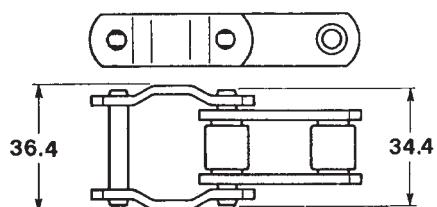
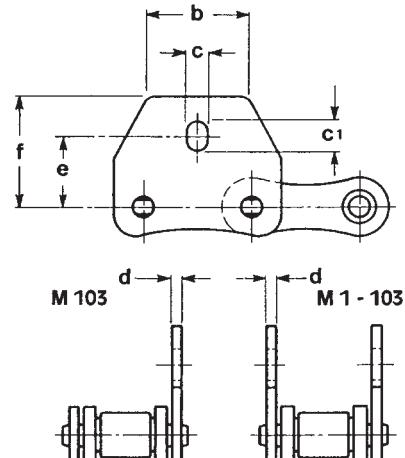
• Catena costruita solo su richiesta / Manufactured under request only

AGRICOLTURA / AGRICULTURE

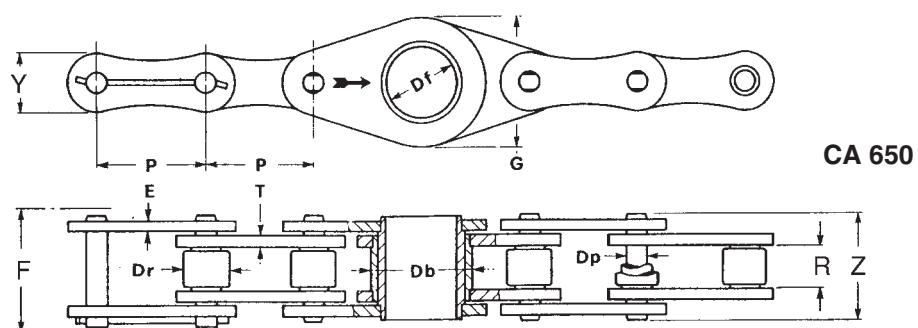
ATTACCHI SPECIALI
SPECIAL ATTACHMENTS

| | Tipo di attacco Type of attachment | Passo Pitch | P mm | b mm | c mm | c ¹ mm | d mm | e mm | f mm | Sovrappeso unitario appross. Approx. unitary over weight | attacco attachment | attacco attachment | M Kg | M1 Kg |
|--------|---------------------------------------|----------------|---------|---------|---------|----------------------|---------|---------|---------|---|-----------------------|-----------------------|---------|----------|
| CA 39 | M 42 : M 1 - 42 | 38,40 | 20,00 | 8,50 | — | — | 2,50 | 27,70 | 39,50 | 0,015 | 0,030 | 0,030 | — | — |
| CA 39 | M 69 : M 1 - 69 | 38,40 | 40,00 | 10,30 | — | — | 2,50 | 28,00 | 41,60 | 0,048 | 0,096 | 0,096 | — | — |
| CA 395 | M 42 : M 1 - 42 | 38,40 | 20,00 | 8,50 | — | — | 2,50 | 27,70 | 39,50 | 0,015 | 0,030 | 0,030 | — | — |
| CA 395 | M 69 : M 1 - 69 | 38,40 | 40,00 | 10,30 | — | — | 2,50 | 28,00 | 41,60 | 0,048 | 0,096 | 0,096 | — | — |
| CA 623 | M 68 : M 1 - 68 | 38,40 | 47,00 | 8,50 | — | — | 3,00 | 23,50 | 32,50 | 0,017 | 0,034 | 0,034 | — | — |
| CA 624 | M 70 : M 1 - 70 | 38,40 | 40,00 | 10,30 | — | — | 3,00 | 25,00 | 39,60 | 0,053 | 0,106 | 0,106 | — | — |
| CA 643 | M 103 : M 1 - 103 | 41,40 | 40,00 | 8,50 | 11,25 | 3,10 | 21,50 | 39,20 | 0,060 | 0,120 | — | — | — | — |

PIASTRA SPECIALE SALVAPERNO / SPECIAL PLATE PIN SAVER

K 108
APPLICABILE SULLE CATENE
CA 600 e CA 624K 108
TO USE WITH CA 600 AND
CA 624 CHAINS

CATENA PER RACCOLGITORE, CARRELLI AUTOCARICANTI / CHAIN FOR SELF LOADING AGRICULTURAL TRAILERS

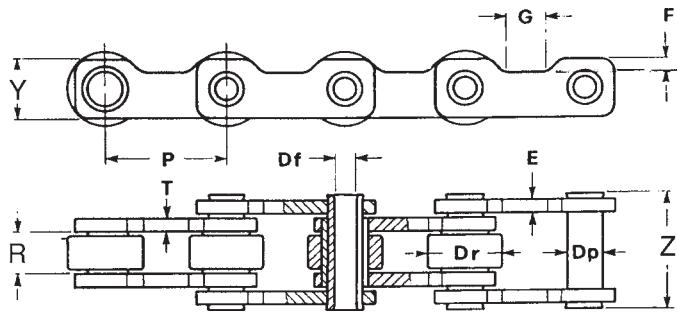


| | ISO N° | Passo Pitch | Diam. ruolo max Max. roller diam. Db mm | Larg. Int. min. Width between inner plates R mm | Diam. perno max Max. pin diam. Dp mm | Diam. foro perno Diam. hole of pin Df mm | Diametro bussola Sleeve diam. Db mm | Altezza piastre libere Free plate depth G mm | Altezza piastre max Inner plate depth Y mm | Spess. piastre int. Inner plates thickness T mm | Spess. piastre est. Outer plates thickness E mm | Larg. perno ribad. Width over riveted pin Z mm | Ingombro catena max Max. width over bearing pins F mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso netto al m Net weight per mt Kg/m |
|--------|--------|----------------|--|--|---|---|---|---|---|--|--|---|--|---|--|--|
| CA 650 | — | 50,80 | 19,05 | 19,05 | 9,52 | 35,00 | 48,00 | 63 | 26,70 | 4,00 | 4,00 | 40,20 | 46,80 | 260 | 97.800 | 3,62 |

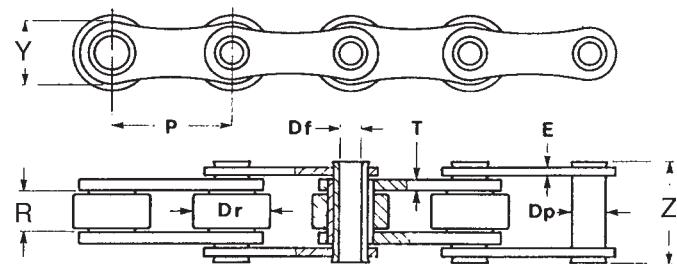
AGRICOLTURA / AGRICULTURE

CATENE A PERNI FORATI PER TRASPORTATORI AGRICOLI

HOLLOW PIN CHAINS FOR AGRICULTURAL CONVEYORS



CA 732 - CA 734



CA 73

| | ISO N° | Passo Pitch mm | Diam. ruolo max Max. roller diam. Dr mm | Largh. Int. min. Width between inner plates R mm | Diam. perno max Max. pin diam. Dp mm | Diam. foro perno diam. Df mm | Largh. piano Plane depth G mm | Prof. piano Plane depth F mm | Altezza piastre max Inner plate depth Y mm | Spess. piastre int. Inner plates thickness T mm | Spess. piastre est. Outer plates thickness E mm | Largh. perno ribad. Width over riveted pin Z mm | Superf. di lavoro Working surface mm ² | Carico di rottura medio Medium breaking load N | Peso netto al m Net weight per mt Kg/m |
|---------------|--------|----------------------|--|---|---|--|--|---|---|--|--|--|---|--|--|
| CA 732 | - | 50,80 | 31,75 | 15,70 | 15,50 | 10,30 | 16,00 | 6,00 | 27,20 | 4,00 | 4,00 | 35,20 | 367 | 67.700 | 3,73 |
| CA 733 | - | 50,80 | 31,75 | 15,70 | 15,50 | 10,30 | - | - | 27,20 | 3,70 | 3,25 | 34,00 | 352 | 53.250 | 2,99 |
| CA 734 | - | 50,80 | 31,75 | 15,70 | 15,50 | 10,30 | 16,00 | 6,00 | 27,20 | 4,80 | 4,80 | 38,40 | 392 | 82.740 | 4,08 |



CATENE RASCHIANTI / SCRAPING CHAINS

CATENE PER TRASPORTATORI RASCHIANTI SERIE EUROPEA ISO/1977 CHAINS FOR SCRAPPING CONVEYORS EUROPEAN SERIES ISO/1977

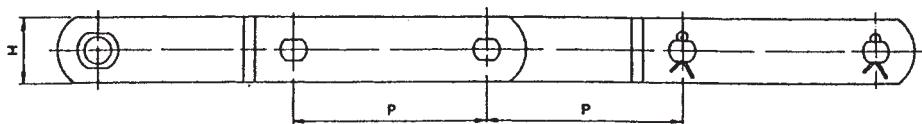
| Catena N° Chain N° | P mm | L mm | D5 mm | D6 mm | H mm | S mm | g mm | F3 mm | Carico di rottura Breaking load Kg | Peso catena Weight of chain * Kg-m |
|-----------------------|---------|---------|----------|----------|---------|---------|---------|----------|--|--|
| EMR 56 | 100 | 24 | 15 | 10 | 30 | 4 | 20 | • | 5.600 | 2,8 |
| EMR 56 | 125 | 24 | 15 | 10 | 30 | 4 | 20 | • | 5.600 | 2,6 |
| EMR 80 | 100 | 28 | 18 | 12 | 35 | 5 | 25 | • | 8.000 | 4,3 |
| EMR 80 | 125 | 28 | 18 | 12 | 35 | 5 | 25 | • | 8.000 | 4 |
| EMR 80 | 160 | 28 | 18 | 12 | 35 | 5 | 25 | • | 8.000 | 3,7 |
| EMR 112 | 100 | 32 | 21 | 15 | 40 | 6 | 35 | • | 11.200 | 6,2 |
| EMR 112 | 125 | 32 | 21 | 15 | 40 | 6 | 35 | • | 11.200 | 5,7 |
| EMR 112 | 160 | 32 | 21 | 15 | 40 | 6 | 35 | • | 11.200 | 5,3 |
| EMR 160 | 100 | 37 | 25 | 18 | 50 | 7 | 40 | • | 16.000 | 9,7 |
| EMR 160 | 125 | 37 | 25 | 18 | 50 | 7 | 40 | • | 16.000 | 8,9 |
| EMR 160 | 160 | 37 | 25 | 18 | 50 | 7 | 40 | • | 16.000 | 8,2 |
| EMR 224 | 125 | 43 | 30 | 21 | 60 | 8 | 44 | • | 22.400 | 13 |
| EMR 224 | 160 | 43 | 30 | 21 | 60 | 8 | 44 | • | 22.400 | 12 |
| EMR 224 | 200 | 43 | 30 | 21 | 60 | 8 | 44 | • | 22.400 | 11 |
| EMR 315 | 160 | 48 | 36 | 25 | 70 | 10 | 50 | • | 31.500 | 18,3 |
| EMR 315 | 200 | 48 | 36 | 25 | 70 | 10 | 50 | • | 31.500 | 16,7 |
| EMR 315 | 250 | 48 | 36 | 25 | 70 | 10 | 50 | • | 31.500 | 15,6 |

Versioni alternative:

- Coppigliata da 1 o 2 lati
- Esecuzione fori su pale raschianti
- Acciaio inossidabile

- Dimensioni libere

* Senza pale raschianti

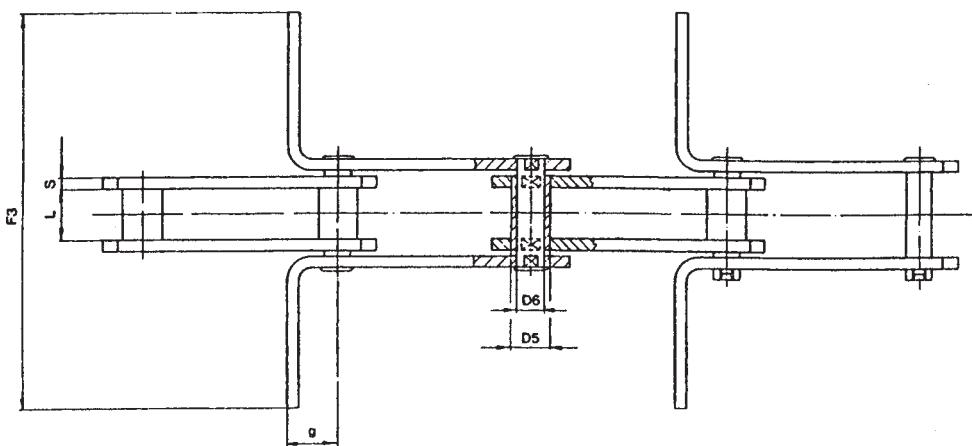


Alternative types:

- Split pin on one side or both
- With holes on scraping shovel
- Stainless steel

- Free dimensions

* Without scraping shovel



Ruote dentate su richiesta.
Gears available under request.

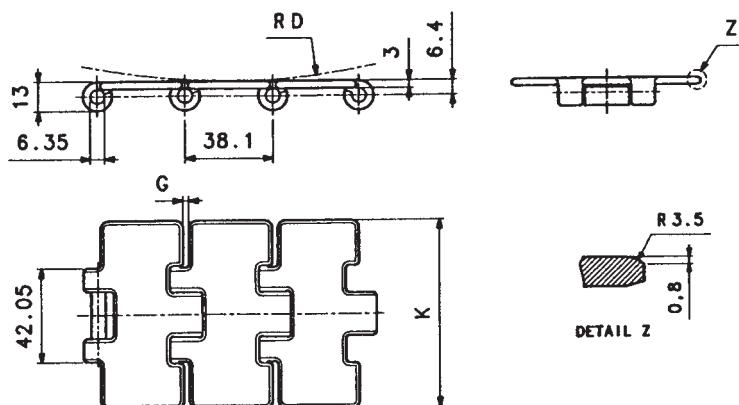


CATENE TOP LINE / TOP LINE CHAINS

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'imbottigliamento 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 inner transports). To even more heavy applications and to even more resistance against wear (very high sliding speeds and abrasive ways) the carbonitrate 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 | Durezza superficiale Superficial hardness | Larghezza tapparelle Flat top chain width K mm | G mm | RD mm | Peso per unità di lunghezza Weight per unit of lenght Kg/m |
|--|--|---------------------------|--|--|--------------------------------|---|---|---------|----------|--|
| ACCIAIO AL CARBONIO BONIFICATO HARDENED AND TEMPERED CARBON STEEL | ES 815 K 2 ¹ / ₄ | — | 14.800 | 11.600 | 43 | 43 | 57.1 | 1.8 | 150 | 2.18 |
| | ES 815 K 2 ⁵ / ₈ | — | 14.800 | 11.600 | 43 | 43 | 66.7 | 1.8 | 150 | 2.40 |
| | ES 815 K 3 ¹ / ₄ | C13S | 14.800 | 11.600 | 43 | 43 | 82.6 | 1.8 | 150 | 2.73 |
| | ES 815 K 3 ¹ / ₂ | C14S | 14.800 | 11.600 | 43 | 43 | 88.9 | 1.8 | 150 | 3.00 |
| | ES 815 K 4 | C16S | 14.800 | 11.600 | 43 | 43 | 101.6 | 1.8 | 150 | 3.20 |
| | ES 815 K 4 ¹ / ₂ | 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 ¹ / ₂ | C30S | 14.800 | 11.600 | 43 | 43 | 190.5 | 1.8 | 150 | 5.27 |
| ACCIAIO CARBONITRURATO CARBONITRIDED STEEL | SH 815 K 3 ¹ / ₄ | C13S | 11.700 | 9.200 | 40 | 60 * | 82.6 | 1.8 | 150 | 2.73 |
| | SH 815 K 4 ¹ / ₂ | C18S | 11.700 | 9.00 | 40 | 60 * | 114.3 | 1.8 | 150 | 3.48 |

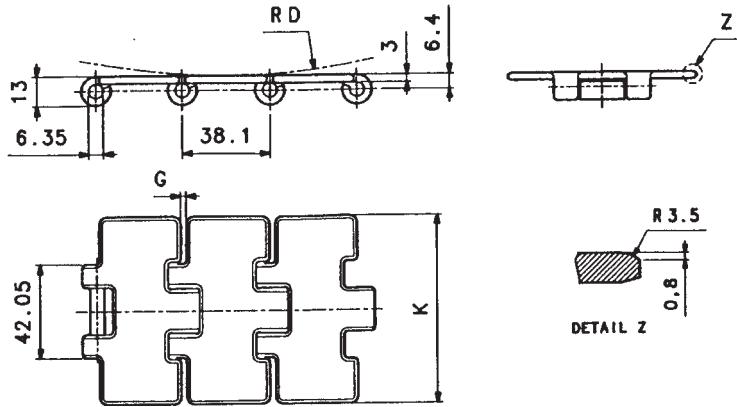
* Durezza 90 HR 15N equivalenti a 60 HRC / Hardness 90 HR 15N equivalent to 60 HRC

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

Fornite in confezione da 80 passi (3,048 m)

Supplied with 80 pitch (3,048 m) boxes

CATENE TOP LINE / TOP LINE CHAINS

RETTILINEE CON TAPPARELLE IN ACCIAIO "STRAIGHT LINE TOP"
"STRAIGHT LINE TOP" WITH STEEL FLAT-TOP CHAINS

E815 (ACCIAIO INOSSIDABILE) / E815 (STAINLESS STEEL)

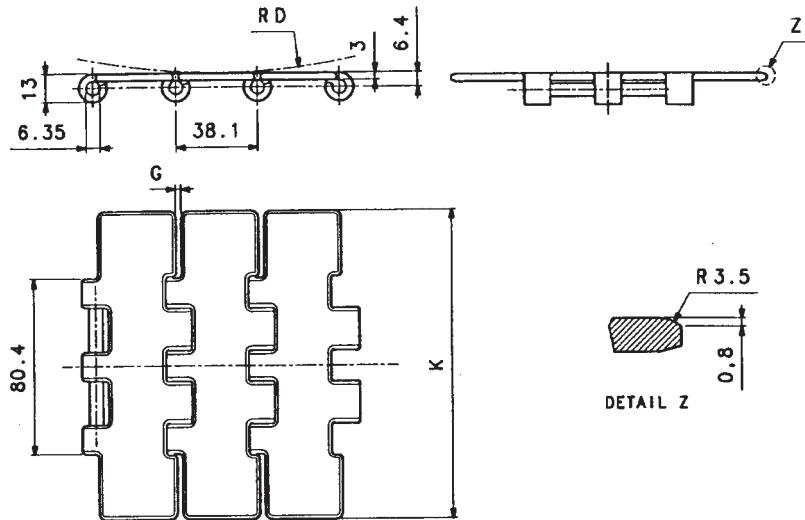
| Materiale Material | Denominazione Ref. | Rif. ISO 4348 ISO Ref. | Carico rottura medio Medium breaking load Rm N | Carico snervamento medio Medium yield point Rp 0,2 N | Durezza Hardness HRC | Rugosità Roughness Ra µm | Larghezza tapparelle Flat top chains width K mm | G mm | RD mm | Peso per unità di lunghezza Weight for unit of lenght Kg/m |
|---|-----------------------|---------------------------|---|---|----------------------------|-----------------------------------|--|---------|----------|--|
| ACCIAIO INOSSIDABILE FERRITICO <i>FERRITIC STAINLESS STEEL</i> | ESS 815-4 K 3 1/4 | C13S | 7.300 | 5.500 | 20 | 0.6 | 82.6 | 1.8 | 150 | 2.73 |
| | ESSM 815-4 K 3 1/4 | — | 10.000 | 5.500 | 20 | 0.6 | 82.6 | 2.8 | 75 | 2.70 |
| | E 815 K 2 1/4 | — | 10.000 | 7.800 | 32 | 0.3 | 57.1 | 1.8 | 150 | 2.18 |
| | E 815 K 2 5/8 | — | 10.000 | 7.800 | 32 | 0.3 | 66.7 | 1.8 | 150 | 2.40 |
| | E 815 K 3 1/4 | C13S | 10.000 | 7.800 | 32 | 0.3 | 82.6 | 1.8 | 150 | 2.73 |
| "SPECIAL" | E 815 K 3 1/2 | C14S | 10.000 | 7.800 | 32 | 0.3 | 88.9 | 1.8 | 150 | 3.00 |
| | E 815 K 4 | C15S | 10.000 | 7.800 | 32 | 0.3 | 101.6 | 1.8 | 150 | 3.20 |
| | E 815 K 4 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 |
| | E 815 K 7 1/2 | C30S | 10.000 | 7.800 | 32 | 0.3 | 190.5 | 1.8 | 150 | 5.27 |
| | ESS 815 K 2 1/4 | — | 9.700 | 5.300 | — | 0.6 | 57.1 | 1.8 | 150 | 2.18 |
| | ESS 815 K 2 5/8 | — | 9.700 | 5.300 | — | 0.6 | 66.7 | 1.8 | 150 | 2.40 |
| ACCIAIO INOSSIDABILE AUSTENITICO <i>AUSTENITIC STAINLESS STEEL</i> | ESS 815 K 3 1/4 | C13S | 9.700 | 5.300 | — | 0.6 | 82.6 | 1.8 | 150 | 2.73 |
| | ESS 815 K 3 1/2 | C14S | 9.700 | 5.300 | — | 0.6 | 88.9 | 1.8 | 150 | 3.00 |
| | ESS 815 K 4 | C15S | 9.700 | 5.300 | — | 0.6 | 101.6 | 1.8 | 150 | 3.20 |
| | ESS 815 K 4 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 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 confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048) boxes.

CATENE TOP LINE / TOP LINE CHAINS

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 | Larghezza tapparelle Flat top chains width K mm | G mm | RD mm | Peso per unità di lunghezza Weight for unit of lenght Kg/m |
|---|-----------------------|---------------------------|---|---|---------------------|--|---------|----------|--|
| ACCIAIO AL CARBONIO CARBON STEEL | ES 2815 K170* | — | 28.000 | 17.000 | 43 | 170.5 | 1.8 | 150 | 5.40 |
| ACCIAIO INOSSIDABILE FERRITICO FERRITIC STAINLESS STEEL | ESS 2815-4 K170 | C30D | 28.000 | 17.000 | 43 | 190.5 | 1.8 | 150 | 5.90 |
| ACCIAIO INOSSIDABILE AUSTENITICO AUSTENITIC STAINLESS STEEL | ESS 2815-4 K 7½ | C30D | 13.300 | 9.600 | 20 | 170.5 | 1.8 | 150 | 5.40 |
| ACCIAIO INOSSIDABILE AUSTENITICO AUSTENITIC STAINLESS STEEL | ESS 2815 K170 | — | 13.300 | 9.600 | 20 | 190.5 | 1.8 | 150 | 5.90 |
| ACCIAIO INOSSIDABILE AUSTENITICO AUSTENITIC STAINLESS STEEL | ESS 2815 K 7½ | — | 18.000 | 10.000 | — | 170.5 | 1.8 | 150 | 5.40 |
| ACCIAIO INOSSIDABILE AUSTENITICO AUSTENITIC STAINLESS STEEL | ESS 2815 K 7½ | C30D | 18.000 | 10.000 | — | 190.5 | 1.8 | 150 | 5.90 |

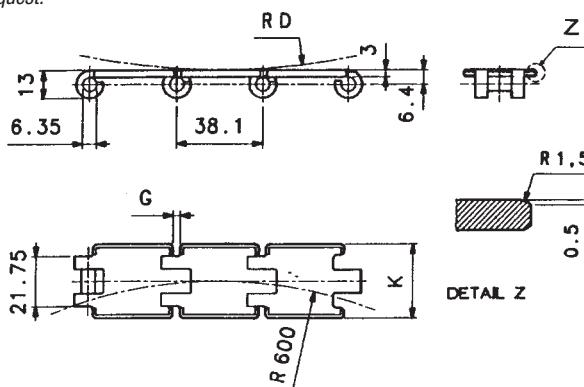
* Su richiesta.

Larghezze non indicate in tabella solo su richiesta.

Under request.

Width not indicated above, available only under request.

Fornite in confezione da 80 passi (3,048 m)
Supplied with 80 pitch (3,048 m) boxes



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 | Larghezza tapparelle Flat top chains width K mm | G mm | RD mm | Peso per unità di lunghezza Weight for unit of lenght Kg/m |
|-----------------------|-----------------------|---------------------------|---|---|---------------------|--|---------|----------|--|
| "SPECIAL" | E 803 K1¼ | — | 4.900 | 3.800 | 32 | 31.8 | 2.8 | 75 | 1.1 |

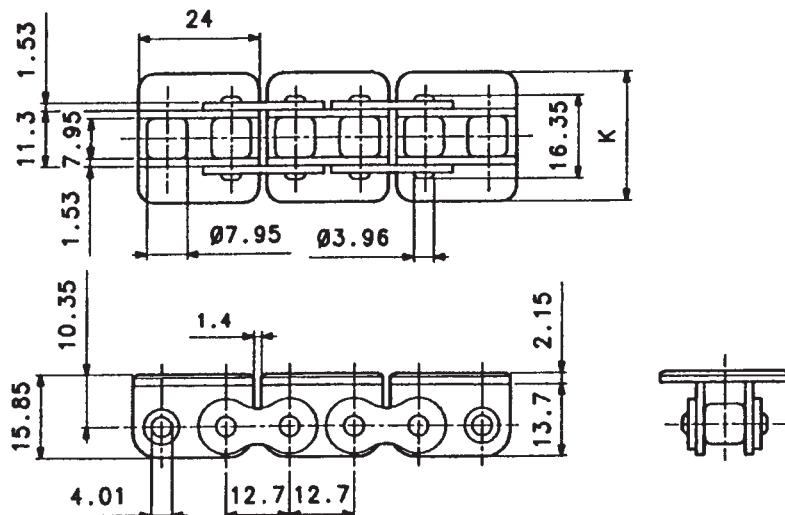
Fornite in confezione da 80 passi (3,048 m)
Supplied with 80 pitch (3,048 m) boxes

CATENE TOP LINE / TOP LINE 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 fissa montata a scatto sulla E1864 e perciò sostituibile.

Roller chains with steel flat-top chains, grant great load ability and smoothness: they are particularly suitable for applications where very high rotation speeds and heavy loads must be stood. "E844" version is different from the "E1864", because of a different assembling of flat-top chains: in fact they are welded on E844 whereas they are assembled by release on 1844, which are therefore replaceable.

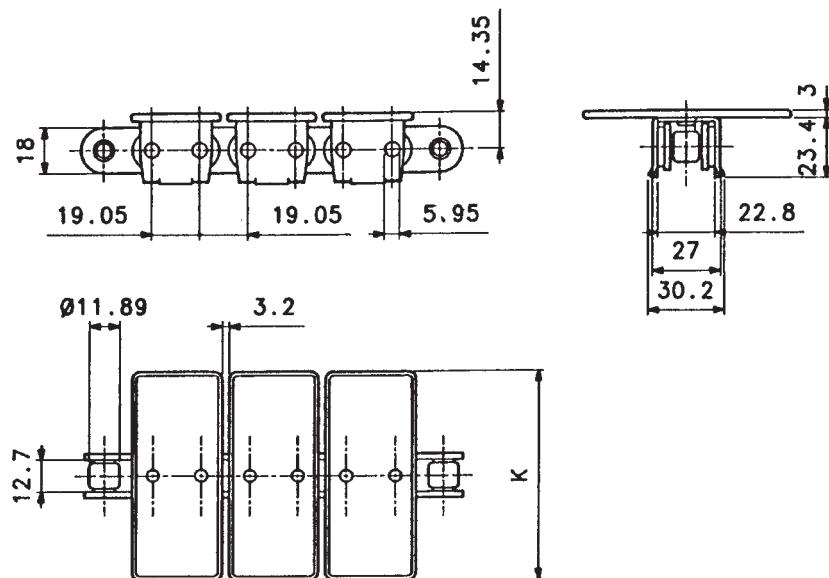


E844

| 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 chains width K mm | Peso per unità di lunghezza Weight for unit of lenght Kg/m |
|--|--|-----------------------|---|--|--|
| ACCIAIO AL CARBONIO <i>CARBON STEEL</i> | ACCIAIO AL CARBONIO <i>CARBON STEEL</i> | E 844 K 1 | 16.150 | 25.4 | 1.18 |
| | | E 844 K 1½ | 16.150 | 38.1 | 1.33 |
| | | E 844 K 3¼ | 16.150 | 82.6 | 2.00 |
| ACCIAIO AL CARBONIO <i>CARBON STEEL</i> | ACCIAIO INOX <i>STAINLESS STEEL</i> | 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 3¼ | 16.150 | 82.6 | 2.00 |
| ACCIAIO INOX <i>STAINLESS STEEL</i> | ACCIAIO INOX <i>STAINLESS STEEL</i> | 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 3¼ | 11.000 | 82.6 | 2.00 |

Fornite in confezione da 240 passi (3,048 m).
Supplied with 240 pitch (3,048) boxes.

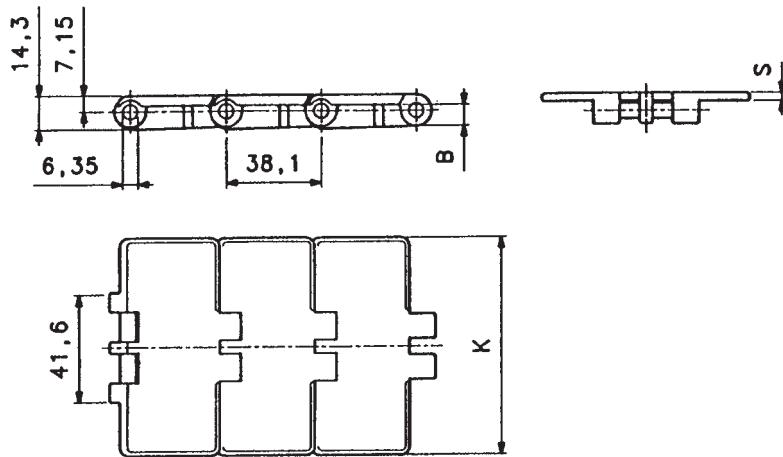
CATENE TOP LINE / TOP LINE CHAINS

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 chains width K mm | Peso per unità di lunghezza Weight for unit of lenght Kg/m |
|--|--|-----------------------------|---|--|--|
| ACCIAIO AL CARBONIO <i>CARBON STEEL</i> | ACCIAIO AL CARBONIO <i>CARBON STEEL</i> | 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 <i>CARBON STEEL</i> | ACCIAIO INOX <i>STAINLESS STEEL</i> | EA 1864 K 3 $\frac{1}{4}$ | 35.000 | 82.6 | 4.20 |
| | | EA 1864 K 4 $\frac{1}{2}$ | 35.000 | 114.3 | 4.80 |
| | | EA 1864 K 6 | 35.000 | 152.4 | 5.70 |
| | | EA 1864 K 7 $\frac{1}{2}$ | 35.000 | 190.5 | 6.40 |
| ACCIAIO INOX <i>STAINLESS STEEL</i> | ACCIAIO INOX <i>STAINLESS STEEL</i> | 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 confezione da 160 passi (3,048 m).
Supplied with 160 pitch (3,048) boxes.

CATENE TOP LINE / TOP LINE CHAINS**RETTILINEE CON TAPPARELLE IN RESINA "STRAIGHT LINE TOP"
"STRAIGHT LINE TOP" WITH RESIN FLAT-TOP CHAINS****E820**

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

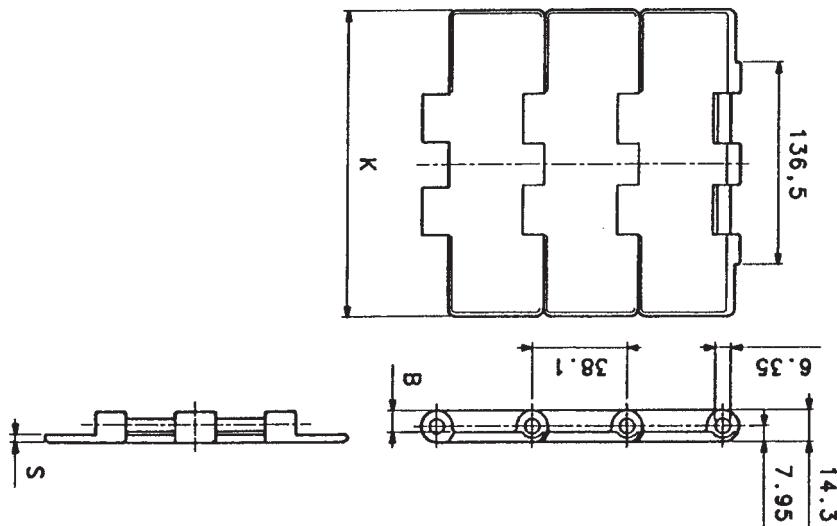
E831 (SPESSORE PIASTRA MAGGIORATO) / E831 (INCREASED THICKNESS OF PLATE)

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

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.

CATENE TOP LINE / TOP LINE CHAINS

RETTILINEE CON TAPPARELLE IN RESINA “STRAIGHT LINE TOP” “STRAIGHT LINE TOP” WITH RESIN FLAT-TOP CHAINS



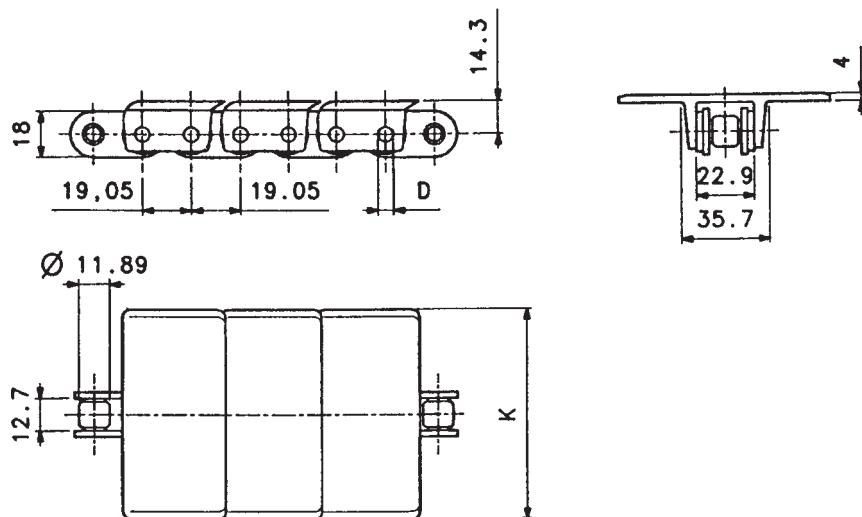
E821

| Materiale <i>Material</i> | Denominazione <i>Ref.</i> | Carico rottura medio <i>Medium breaking load</i> | Larghezza tapparelle <i>Width of flat-top chain</i> | S <i>mm</i> | B <i>mm</i> | Peso per unità di lunghezza <i>Weight for unit of lenght</i> |
|--|------------------------------|---|--|----------------|----------------|---|
| | | Rm <i>N</i> | K <i>mm</i> | | | Kg/m |
| RESINA ACETALICA GRIGIA <i>GRAY ACETALIC RESIN</i> | E 821 K 7½ | 8.500 | 190.5 | 4.8 | 9.5 | 2.46 |
| | E 821 K 10 | 8.500 | 254.0 | 4.8 | 9.5 | 2.98 |
| | E 821 K 12 | 8.500 | 304.8 | 4.8 | 9.5 | 3.34 |
| RESINA ACETALICA ELF <i>MARRONE CHIARO</i> <i>LIGHT BROWN ELF</i> <i>ACETALIC RESIN</i> | ELF 821 K 7½ | 8.500 | 190.5 | 4.8 | 9.5 | 2.46 |
| | ELF 821 K 10 | 8.500 | 254.0 | 4.8 | 9.5 | 2.98 |
| | ELF 821 K 12 | 8.500 | 304.8 | 4.8 | 9.5 | 3.34 |

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.

CATENE TOP LINE / TOP LINE CHAINS

RETTILINEE CON TAPPARELLE IN RESINA “STRAIGHT LINE TOP” “STRAIGHT LINE TOP” WITH RESIN FLAT-TOP CHAINS



E863

| Materiale catena base Material for standard chain | Denominazione Ref. | | Carico rottura medio Medium breaking load | Larghezza tapparelle Width of flat-top chain | Diametro perno Pin diam. D mm | Peso per unità di lunghezza Weight for unit of lenght |
|--|--|---|--|---|--|--|
| | Resina acetalica grigia Grey acetalic resin | Resina acetalica ELF marrone chiaro Light brown ELF acetalic resin | Rm N | K mm | | Kg/m |
| ACCIAIO AL CARBONIO CARBON STEEL | E 863 K 3 1/4 | ELF 863 K 3 1/4 | 35.000 | 82.6 | 5.94 | 2.10 |
| | E 863 K 4 1/2 | ELF 863 K 4 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 1/2 | ELF 863 K 7 1/2 | 35.000 | 190.5 | 5.94 | 2.68 |
| ACCIAIO INOX STAINLESS STEEL | E 863 SS K 3 1/4 | ELF 863 SS K 3 1/4 | 25.000 | 82.6 | 5.94 | 2.10 |
| | E 863 SS K 4 1/2 | ELF 863 SS K 4 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 1/2 | ELF 863 SS K 7 1/2 | 25.000 | 190.5 | 5.94 | 2.68 |

Fornite in confezione da 160 passi (3,048 m).
Supplied with 160 pitch (3,048 m) boxes.

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

| Materiale catena base Material for standard chain | Denominazione Ref. | | Carico rottura medio Medium breaking load | Larghezza tapparelle Width of flat-top chain | Diametro perno Pin diam. D mm | Peso per unità di lunghezza Weight for unit of lenght |
|--|--|---|--|---|--|--|
| | Resina acetalica grigia Grey acetalic resin | Resina acetalica ELF marrone chiaro Light brown ELF acetalic resin | Rm N | K mm | | Kg/m |
| ACCIAIO AL CARBONIO CARBON STEEL | E 963 K 3 1/4 | ELF 963 K 3 1/4 | 25.200 | 82.6 | 5.08 | 2.02 |
| | E 963 K 4 1/2 | ELF 963 K 4 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 1/2 | ELF 963 K 7 1/2 | 25.200 | 190.5 | 5.08 | 2.60 |
| ACCIAIO INOX STAINLESS STEEL | E 963 SS K 3 1/4 | ELF 963 SS K 3 1/4 | 18.200 | 82.6 | 5.08 | 2.02 |
| | E 963 SS K 4 1/2 | ELF 963 SS K 4 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 1/2 | ELF 963 SS K 7 1/2 | 18.200 | 190.5 | 5.08 | 2.60 |

Fornite in confezione da 160 passi (3,048 m).
Supplied with 160 pitch (3,048 m) boxes.

CATENE TOP LINE / TOP LINE CHAINS

CURVILINEE CON TAPPARELLE IN ACCIAIO “CURVE TOP” “CURVE TOP” WITH STEEL FLAT-TOP CHAINS

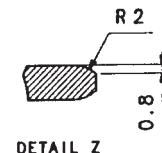
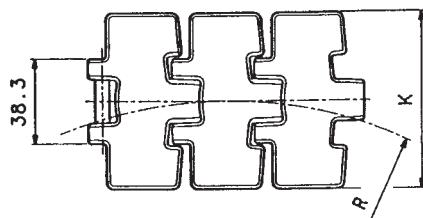
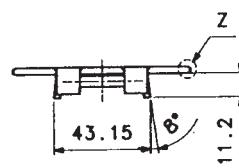
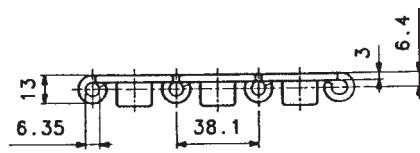
La proverbiale duttilità delle catene in acciaio della linea “CURVE TOP” per percorsi curvilinei, garantisce la massima funzionabilità, anche nelle applicazioni meno propizie, risolvendo amplessi, problemi d’ingombro e collocazione all’interno di vari reparti produttivi.

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 application field.

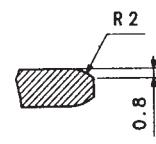
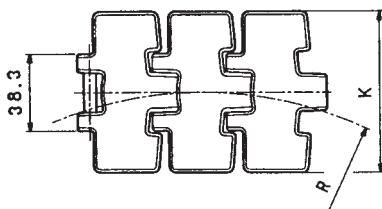
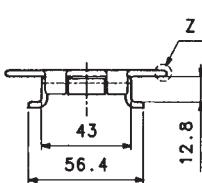
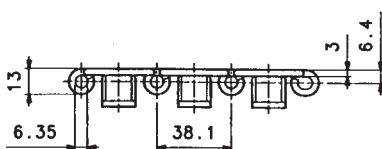
Here we enumerate the type of “ITC CURVE TOP”.



E981

| Materiale Material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Carico snervamento 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 for unity of length Kg/m |
|-----------------------|-----------------------|---|---|----------------------------|--|--|---|
| “SPECIAL” | E 981 K 3½ | 9.120 | 7.600 | 32 | 82.6 | 457.2 | 3.0 |
| | E 981 K 4½ | 9.120 | 7.600 | 32 | 114.3 | 609.6 | 3.7 |
| | E 981 K 7½ | 9.120 | 7.600 | 32 | 190.5 | 609.6 | 5.5 |

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.



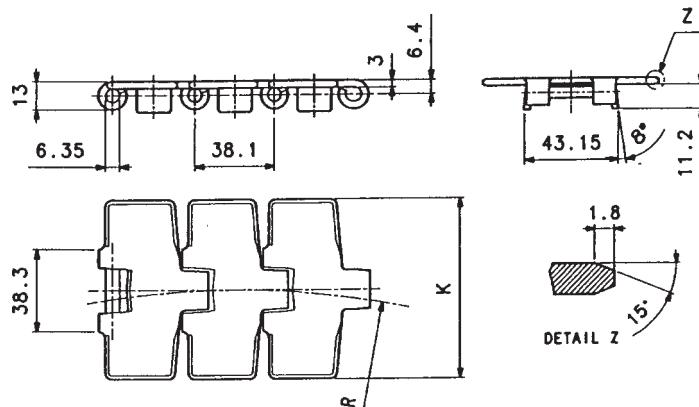
E981 T

| Materiale Material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Carico snervamento 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 for unity of length Kg/m |
|-----------------------|-----------------------|---|---|----------------------------|--|--|---|
| “SPECIAL” | E 981 T K 3½ | 9.120 | 7.600 | 32 | 82.6 | 457.2 | 3.2 |
| | E 981 T K 4½ | 9.120 | 7.600 | 32 | 114.3 | 609.6 | 3.9 |
| | E 981 T K 7½ | 9.120 | 7.600 | 32 | 190.5 | 609.6 | 5.7 |

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.

CATENE TOP LINE / TOP LINE CHAINS

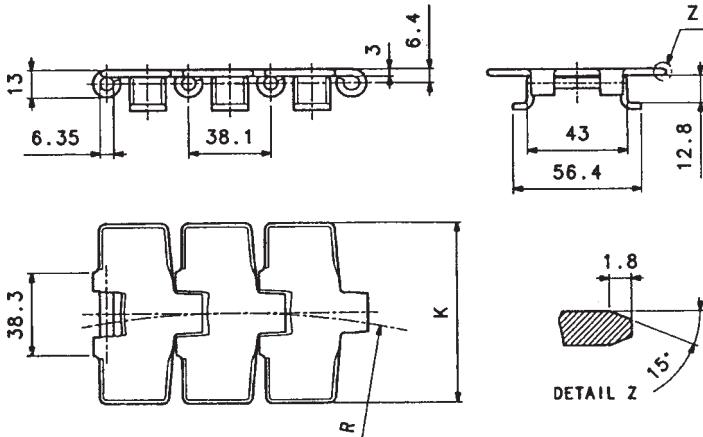
CURVILINEE CON TAPPARELLE IN ACCIAIO “CURVE TOP” “CURVE TOP” WITH STEEL FLAT-TOP CHAINS



E881

| Materiale Material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Carico snervamento 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 for unity of lenght Kg/m |
|--|-----------------------|---|---|----------------------------|--|--|---|
| ACCIAIO AL CARBONIO CARBON STEEL | ES 881 K 3½ | 13.900 | 11.000 | 43 | 82.6 | 457.2 | 3.0 |
| | ES 881 K 4½ | 13.900 | 11.000 | 43 | 114.3 | 609.6 | 3.7 |
| | ES 881 K 7½ | 13.900 | 11.000 | 43 | 190.5 | 609.6 | 5.5 |
| ACCIAIO INOX AUSTENITICO AUSTENITIC STAINLESS STEEL | ESS 881 K 3½ | 8.800 | 5.300 | — | 82.6 | 457.2 | 3.0 |
| | ESS 881 K 4½ | 8.800 | 5.300 | — | 114.3 | 609.6 | 3.7 |
| | ESS 881 K 7½ | 8.800 | 5.300 | — | 190.5 | 609.6 | 5.5 |

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.



E881 T

| Materiale Material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Carico snervamento 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 for unity of lenght Kg/m |
|--|-----------------------|---|---|----------------------------|--|--|---|
| ACCIAIO AL CARBONIO CARBON STEEL | ES 881T K 3½ | 13.900 | 11.000 | 43 | 82.6 | 457.2 | 3.2 |
| | ES 881T K 4½ | 13.900 | 11.000 | 43 | 114.3 | 609.6 | 3.9 |
| | ES 881T K 7½ | 13.900 | 11.000 | 43 | 190.5 | 609.6 | 5.7 |
| ACCIAIO INOX AUSTENITICO AUSTENITIC STAINLESS STEEL | ESS 881T K 3½ | 8.800 | 5.300 | — | 82.6 | 457.2 | 3.2 |
| | ESS 881T K 4½ | 8.800 | 5.300 | — | 114.3 | 609.6 | 3.9 |
| | ESS 881T K 7½ | 8.800 | 5.300 | — | 190.5 | 609.6 | 5.7 |

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.

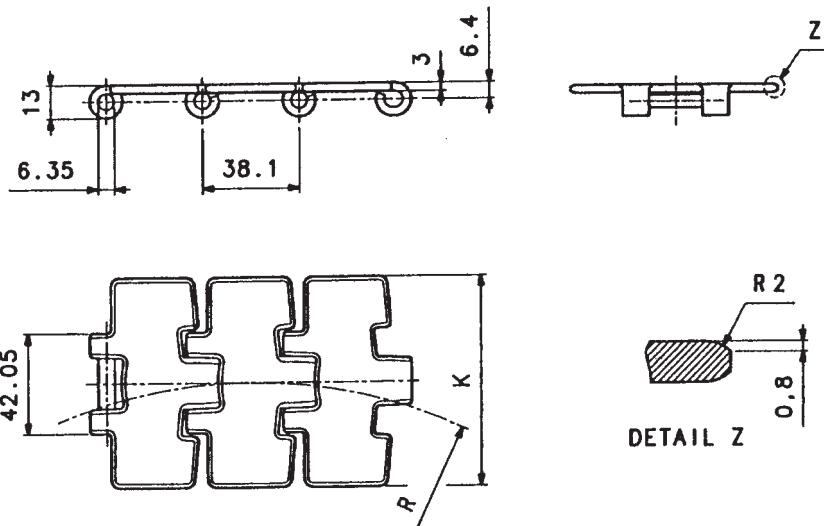
CATENE TOP LINE / TOP LINE CHAINS

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 particularly suitable for winding and magnetic attachments. They can be lifted from their guide to be cleaned or when an exploration without dismounting is necessary.



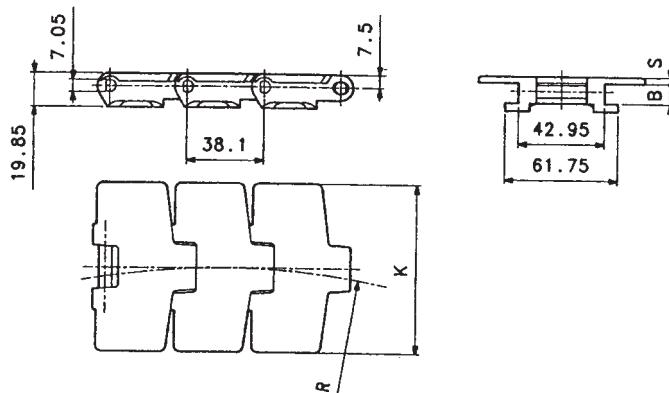
E981 M

| Materiale Material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Carico snervamento 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 for unity of lenght Kg/m |
|-----------------------|-------------------------|---|---|----------------------------|--|--|---|
| “SPECIAL” | 981 M K 3 $\frac{1}{4}$ | 10.100 | 7.890 | 32 | 82.6 | 457 | 2.5 |
| | 981 M K 4 $\frac{1}{2}$ | 10.100 | 7.890 | 32 | 114.3 | 457 | 3.2 |
| | 981 M K 7 $\frac{1}{2}$ | 10.100 | 7.890 | 32 | 190.5 | 457 | 5.0 |

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.

CATENE TOP LINE / TOP LINE CHAINS

CURVILINEE CON TAPPARELLE IN RESINA “CURVE TOP” “CURVE TOP” WITH RESIN FLAT-TOP CHAINS



E880 T

| Materiale Material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Larghezza tapparelle Width of flat top chains K mm | S mm | B mm | Raggio curvatura laterale Side flex radius R mm | Peso per unità di lunghezza Weight for unity of lenght Kg/m |
|---|--|---|---|---------|---------|--|---|
| RESINA ACETALICA ELF MARRONE CHIARO <i>ELF LIGHT BROWN ACETATE RESIN</i> | ELF 880 T K 3 $\frac{1}{4}$ ELF 880 T K 4 $\frac{1}{2}$ | 6.500 | 82.6 | 4.0 | 11.8 | 457.2 | 0.91 |
| | | 6.500 | 114.3 | 4.0 | 11.8 | 609.6 | 1.09 |

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

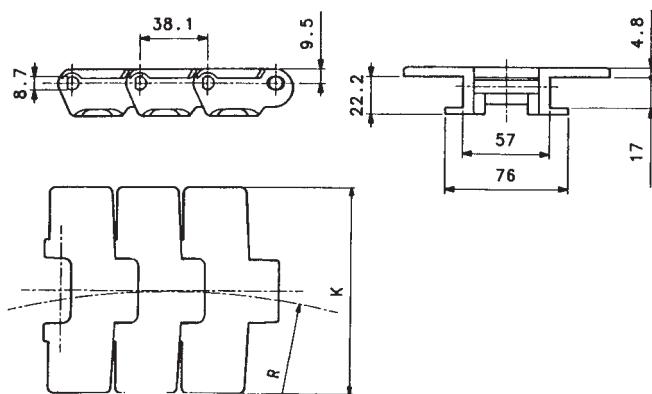
Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.

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

| Materiale Material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Larghezza tapparelle Width of flat top chains K mm | S mm | B mm | Raggio curvatura laterale Side flex radius R mm | Peso per unità di lunghezza Weight for unity of lenght Kg/m |
|---|--|---|---|---------|---------|--|---|
| RESINA ACETALICA ELF MARRONE CHIARO <i>ELF LIGHT BROWN ACETATE RESIN</i> | ELF 879 T K 3 $\frac{1}{4}$ ELF 879 T K 4 $\frac{1}{2}$ | 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 confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.



882 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 chains K mm | Raggio curvatura laterale Side flex radius R mm | Peso per unità di lunghezza Weight for unity of lenght Kg/m |
|--|--|---|---|--|---|
| RESINA ACETALICA ELF MARRONE CHIARO <i>ELF LIGHT BROWN ACETATE RESIN</i> | ELF 882T K 4 $\frac{1}{4}$ ELF 882T K 7 $\frac{1}{2}$ | 11.550 | 114.3 | 609.6 | 1.98 |
| | ELF 882T K 10 ELF 882T K 12 | 11.550 | 190.5 | 609.6 | 2.43 |
| | | 11.550 | 254.0 | 609.6 | 2.87 |
| | | 11.550 | 304.8 | 609.6 | 3.41 |

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

Fornite in confezione da 80 passi (3,048 m).
Supplied with 80 pitch (3,048 m) boxes.

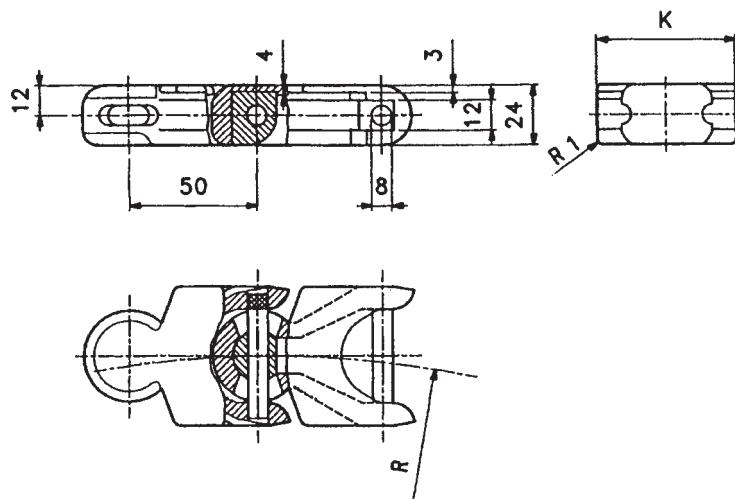
CATENE TOP LINE / TOP LINE CHAINS

CURVILINEE CARDANICHE IN RESINA “CURVE TOP” “CURVE TOP” CARDANIC RESIN CHAINS

Le caratteristiche più evidenti delle catene cardaniche “TOP LINE”, sono la flessibilità, e la multidirezionalità. Concepite per curvare sia sul piano verticale che in quello orizzontale, permettono una elevata varietà di configurazioni.

La compattezza del raggio di curvatura, consente di progettare trasportatori particolarmente compatti, permettendo altresì, la costruzione di rami particolarmente tortuosi e ricchi di curve in serie, diminuendone al tempo stesso l'attrito.

“TOP LINE” cardanic chains have as their most important characteristic the flexibility and multi-direction. Especially studied for bending both on vertical and horizontal surface, they enable a great variety of configurations the compactness of sidelfax radius, enables the creation of very close conveyors. Thanks to this, friction is reduced by many curves and winding ways.



E1700

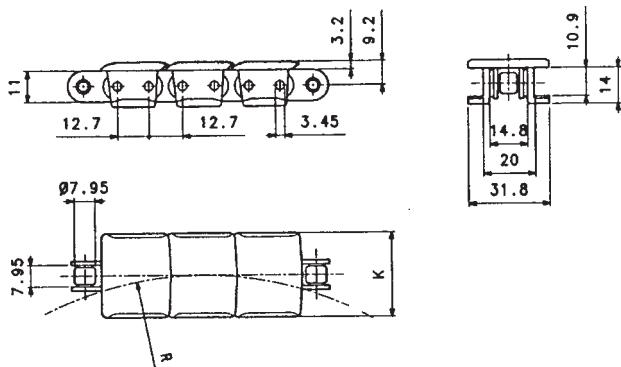
| Materiale perno <i>Pin material</i> | Materiale maglia <i>Plate material</i> | Denominazione <i>Ref.</i> | Carico rottura medio <i>Medium breaking load</i> | Larghezza tapparelle <i>Width of flat top chain</i> | Raggio curvatura laterale <i>Side flex radius</i> | Peso per unità di lunghezza <i>Weight for unit of lenght</i> |
|---|---|------------------------------|---|--|--|---|
| | | | Rm N | K mm | R mm | Kg/m |
| ACCIAIO ZINCATO / ACCIAIO INOX ZINC PLATED / STAINLESS STEEL | RESINA ACETALICA BIANCA WHITE ACETALIC RESIN | EB 1700 | 10.300 | 55.0 | 140.0 | 1.27 |
| | | EC 1700 | 10.300 | 55.0 | 140.0 | 1.27 |
| ACCIAIO ZINCATO / ACCIAIO INOX ZINC PLATED / STAINLESS STEEL | RESINA ACETALICA ELF MARRONE CHIARO ELF LIGHT BROWN ACETALIC RESIN | ELF E 1700 | 8.700 | 55.0 | 140.0 | 1.27 |
| | | ELF EA 1700 | 8.700 | 55.0 | 140.0 | 1.27 |

CATENE TOP LINE / TOP LINE CHAINS

CURVILINEE CON TAPPARELLE IN RESINA “CURVE TOP” “CURVE TOP” WITH RESIN 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.

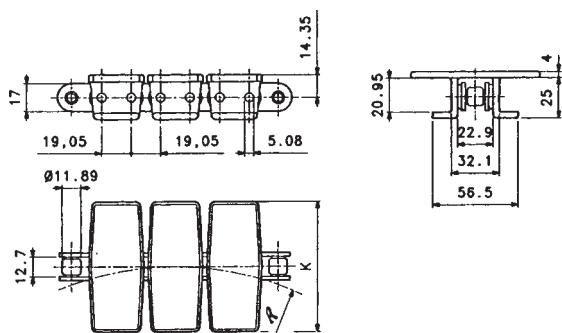
Thanks to the smoothness and flatness of “TOP LINE” resin flat-top chains, it is possible to project conveyors with longer dimensions and higher peripheral speeds, than normal flat-top chains.



E1843 T

| Materiale catena base Standard chain material | Denominazione Ref. | Carico rottura medio Medium breaking load | Larghezza tapparelle Width of flat-top chains | Raggio curvatura laterale Side flex radius R mm | Peso per unità di lunghezza Weight for unit of lenght Kg/m |
|--|-----------------------|--|--|--|--|
| ACCIAIO AL CARBONIO CARBON STEEL | ELF 1843 T K1½ | 10.000 | 31.8 | 355.6 | 0.75 |
| ACCIAIO INOX STAINLESS STEEL | ELF 1843 T SS K1½ | 7.200 | 31.8 | 355.6 | 0.75 |

Fornite in confezione da 240 passi (3,048 m).
Supplied with 240 pitch (3,048 m).



E1873 T

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

Fornite in confezione da 160 passi (3,048 m).
Supplied with 160 pitch (3,048 m) boxes.

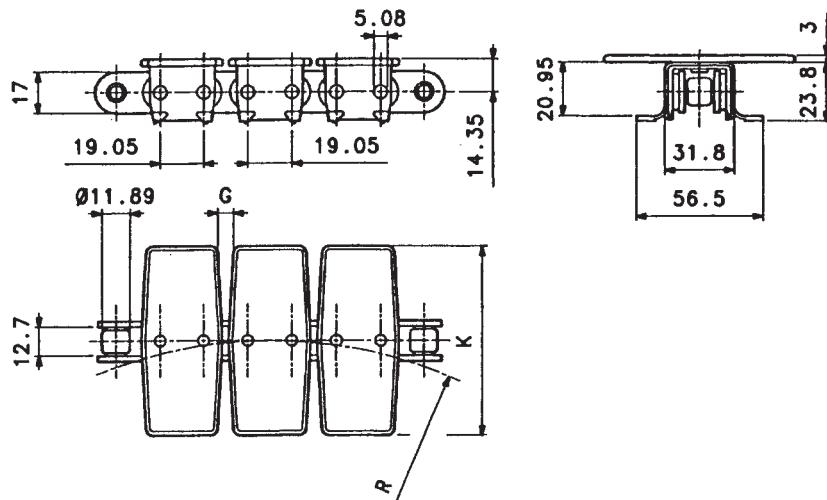
CATENE TOP LINE / TOP LINE CHAINS

CURVILINEE CON TAPPARELLE IN ACCIAIO “CURVE TOP” “CURVE TOP” WITH STEEL FLAT-TOP CHAINS

Le catene a rulli con tapparelle ad elevata capacità di carico e scorrevolezza, garantiscono particolare affidamento anche per la continuità del piano di trasporto. Particolamente indicate per velocità e carichi elevati, adottano un particolare cavallotto, con sagomatura specifica per facilitare lo scorrimento con assenza d'impuntamenti.

Roller chains supplied with flat-top chains with high loading and smoothness capacity, are suitable for the continuity of transport plane.

Particularly indicated for high speeds and heavy loads, they are supplied with a special bent-attachment, having a specific shaping to facilitate sliding without lockings.



E1874 T

| Materiale catena base Standard chain material | Materiale tapparelle Flat-top chains material | Denominazione Ref. | Carico rottura medio Medium breaking load Rm N | Larghezza tapparelle Width of flat-top chains | G mm | Raggio curvatura laterale Sideflex radius | Peso per unità di lunghezza Weight for unit of lenght |
|--|--|-----------------------|--|--|---------|--|--|
| ACCIAIO AL CARBONIO CARBON STEEL | ACCIAIO AL CARBONIO CARBON STEEL | E 1874 T K 3 1/4 | 25.000 | 82.6 | — | 355.6 | 4.2 |
| | | E 1874 T K 4 1/2 | 25.000 | 114.3 | 8.2 | 355.6 | 4.8 |
| | | E 1874 T K 6 | 25.000 | 152.4 | — | 457.2 | 5.7 |
| | | E 1874 T K 7 1/2 | 25.000 | 190.5 | — | 609.6 | 6.4 |
| ACCIAIO AL CARBONIO CARBON STEEL | ACCIAIO INOX STAINLESS STEEL | EA 1874 T K 3 1/4 | 25.000 | 82.6 | — | 355.6 | 4.2 |
| | | EA 1874 T K 4 1/2 | 25.000 | 114.3 | — | 355.6 | 4.8 |
| | | EA 1874 T K 6 | 25.000 | 152.4 | 8.2 | 457.2 | 5.7 |
| | | EA 1874 T K 7 1/2 | 25.000 | 190.5 | — | 609.6 | 6.4 |
| ACCIAIO INOX STAINLESS STEEL | ACCIAIO INOX STAINLESS STEEL | E SS 1874 T K 3 1/4 | 18.000 | 82.6 | — | 355.6 | 4.2 |
| | | E SS 1874 T K 4 1/2 | 18.000 | 114.3 | 8.2 | 355.6 | 4.8 |
| | | E SS 1874 T K 6 | 18.000 | 152.4 | — | 457.2 | 5.7 |
| | | E SS 1874 T K 7 1/2 | 18.000 | 190.5 | — | 609.6 | 6.4 |

Fornite in confezione da 160 passi (3,048 m).
Supplied with 160 pitch (3,048 m) boxes.



NOTES



NOTES



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**CATENE A RULLI
ROLLER CHAINS**



79992000