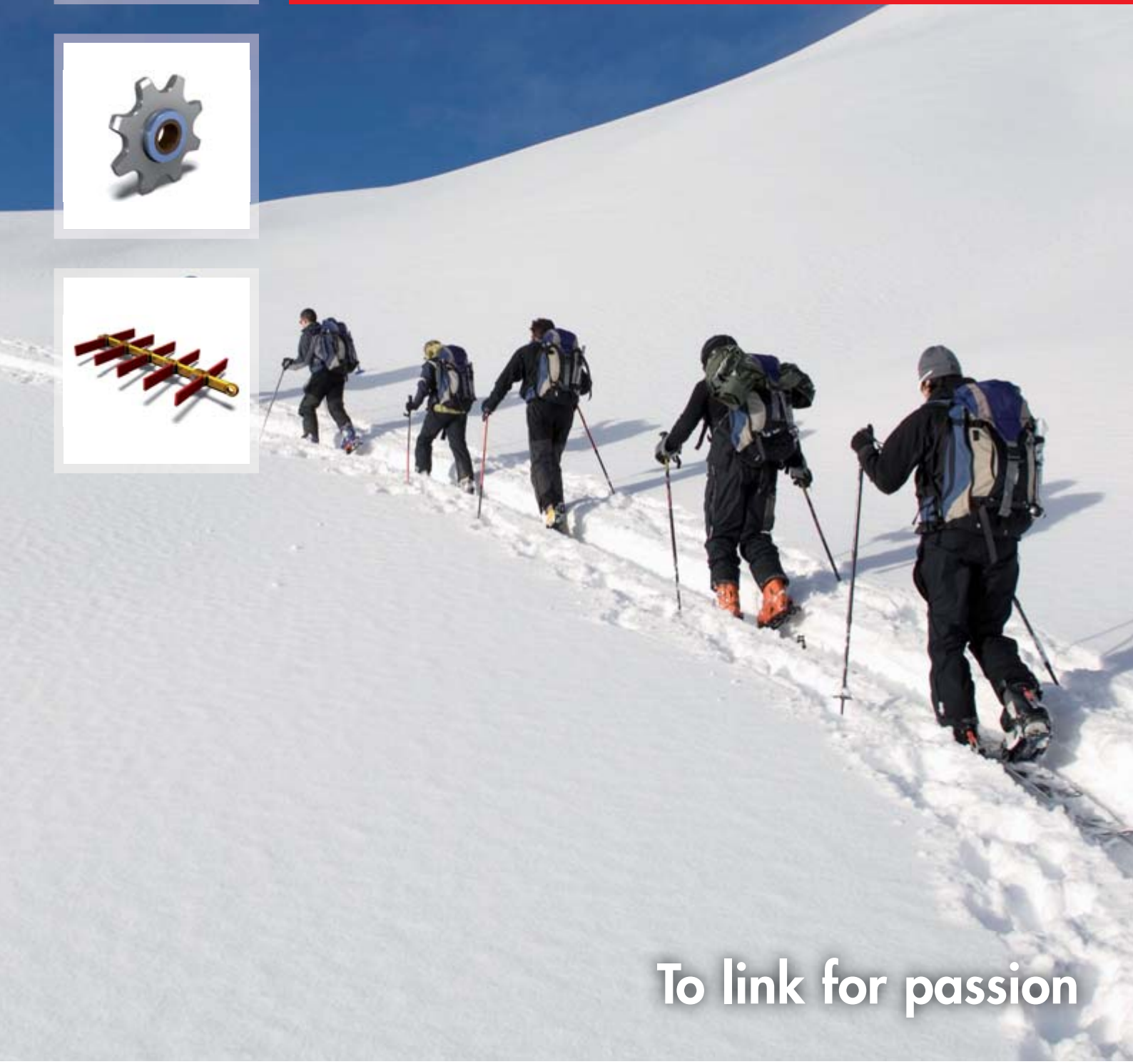
CATALOGO GENERALE
GENERAL CATALOGUE

CATENE MECCANICHE - **CATENE TRASPORTO**
MECHANICAL CHAINS - ***CONVEYOR CHAINS***



To link for passion

MCV
To link for passion

A Maria Luisa nel vivo ricordo dei tuoi cari
In memory of our dearly beloved Maria Luisa

Cav. Giuseppe Vismara (1922 - 2008)

Manifattura Catene Viganò M.C.V. SpA nasce nel 1962 dall'intuizione e dalla tenacia del suo fondatore Cav. Giuseppe Vismara. 50 anni dopo la MCV è una azienda affermata, ed è punto di riferimento a livello mondiale nel settore delle catene industriali.
La passione per il lavoro che il fondatore Cav. Vismara ha saputo trasmettere a tutti i collaboratori viene sottolineata nel motto "To Link for Passion", che MCV è orgogliosa di esibire vicino al tradizionale logo aziendale.
La filosofia MCV, soddisfare le esigenze del cliente curando ogni dettaglio e proponendo soluzioni con un rapporto qualità prezzo estremamente conveniente, è stata perseguita negli anni portando MCV a raggiungere elevatissimi traguardi nella progettazione, costruzione e commercializzazione di catene industriali ed accessori. La gamma di produzione è molto vasta e comprende catene a maglie stampate, catene meccaniche per trasmissione e trasporto, catene per trazione e accessori. La produzione delle catene avviene completamente in Italia presso l'unità produttiva a Viganò, a cui si è aggiunta di recente la nuova unità produttiva di Missaglia. I processi produttivi sono certificati dal 1997 secondo la norma UNI EN ISO 9001, e particolare cura è prestata alla qualità sia del prodotto sia del servizio fornito.

Manifattura Catene Viganó M.C.V. Spa was founded in 1962 for the intuition and the tenacy of its founder Mr. Giuseppe Vismara.
50 years after MCV is a well established company and a world wide point of reference in the field of industrial chains. The passion for the work that the founder Mr Giuseppe Vismara has managed to convey to all his cooperators is emphasized by the motto "To Link for Passion", which MCV is proud to present near to the traditional corporate logo.
MCV philosophy to meet customer requirements taking care of every detail and offering solutions at very good quality/price ratios has been pursued in years leading MCV to reach very high goals in design, construction and sale of industrial chains and accessories.
The range of production is very wide comprising forged steel scraper chains,mechanical chains for transmission and conveying, traction chains and accessories.
The chains are manufactured entirely in Italy at the production site in Viganó to which the new production unit in Missaglia has been recently added.
The manufacturing processes are certified since 1997 according to the Norm UNI EN ISO 9001, giving special care to product and service quality.

Presenza globale

MCV è una azienda del cuore italiano ma oggi fortemente orientata all'estero.
Negli ultimi anni la società si è strutturata commercialmente attraverso una rete di distributori e rivenditori che coprono a livello capillare Italia, Europa, Asia, Americhe, Australia e Africa.

Global presence

MCV is an "Italian heart company " today strongly oriented towards overseas.
In recent years it received a renewed commercial structure supported by a network of distributors covering widespread Italy, Europe, Asia, America and Australia.

PROFILO AZIENDALE

COMPANY PROFILE

Sistema qualità e controllo qualità

I prodotti MCV sono conosciuti nel mondo per la elevata qualità e l'ottimo rapporto qualità/prezzo. Questi obiettivi sono stati raggiunti lavorando sulla efficienza produttiva e sul controllo qualità in tutte le fasi del processo. La certificazione UNI EN ISO 9001 attestata attualmente da TUV, da più di 10 anni supporta lo sviluppo della azienda e garantisce all'esterno la qualità del processo di progettazione e produzione.

Quality system and quality control

The MCV products are known worldwide for their top quality and their high quality/price ratio.
These targets were reached working on the production efficiency and on the quality controls at all process stages.
The UNI EN ISO 9001 certification at present assigned by TUV, supports has been supporting the company development in design and production quality since more than 10 years.

ZERTIFIKAT ◆ CERTIFICATE ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV

CERTIFICATO

Nr 50 100 8029 - Rev. 01

Si attesta che / This is to certify that

IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF

MANIFATTURA CATENE VIGANO' M.C.V. S.p.A.

MCV To link for passion

SEDE LEGALE E OPERATIVA:
VIA DELL' INDUSTRIA 11
I-23897 VIGANO' (LC)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF

UNI EN ISO 9001:2008

Riferirsi al manuale della qualità per eventuali dettagli delle esclusioni ai requisiti della norma ISO 9001:2008
Refer to quality manual for possible details of exclusions of requirements of the norm ISO 9001:2008

Questo certificato è valido per il seguente campo di applicazione
This certificate is valid for the following product or service range

Progettazione e fabbricazione di catene da trasporto, catene di trasmissione, catene e maglie stampate, ingranaggi e componenti (EA 17)

Design and manufacture of conveyor chains, transmission chains, drop forged link chains, sprockets and components (EA 17)

SINCERT

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Andrea Vivi

Data di emissione / Issue date
2010-03-09

Data di scadenza / Expiry date
2011-10-06

Riemissione del certificato emesso per la prima volta in data 2008-10-06

"La validità del presente certificato è subordinata a sorveglianza periodica a 12 mesi e al riesame completo del sistema di gestione aziendale con periodicità triennale"

"The validity of the present certificate depends on the annual surveillance every 12 months and on the complete review of company's management system after three years"

TÜV Italia • Gruppo TÜV SÜD • Via Carducci 125, Pal. 23 • 20099 Sesto San Giovanni (MI) • Italia • www.tuv.it TÜV

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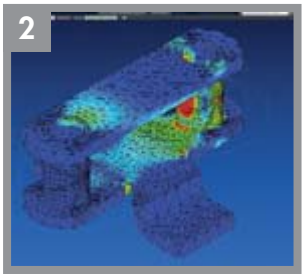
Ciclo produttivo catene meccaniche
Our production process mechanical chains

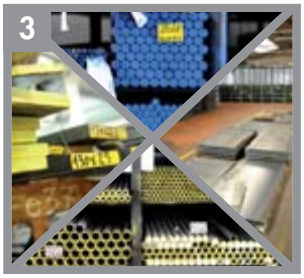
TORNITURA A CONTROLLO NUMERICO
CNC TURNING

1


UFFICIO TECNICO
TECHNICAL DEPARTMENT

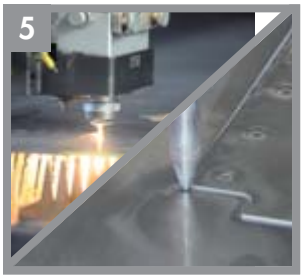
2


PROGETTAZIONE
ENGINEERING

3


MAGAZZINO
WAREHOUSING

4


5


TAGLIO LASER/TAGLIO AD ACQUA
LASER/WATERJET CUTTING

PIEGATURA
BENDING

9


CENTRI DI LAVORO
MACHINING CENTERS

8


LAVORAZIONI SPECIALI
SPECIALITY MACHINING

7


6


REPARTO TRANCIATURA
CUTTING PRESS

10


TRATTAMENTO TERMICO
HEAT-TREATMENT

CONTROLLO QUALITÀ
QUALITY ASSURANCE

SALDATURA
WELDING

ASSEMBLAGGIO
ASSEMBLING

IMBALLAGGIO
PACKAGING

11


12


13


14


Ciclo produttivo catene a maglie stampate
Our production process drop forged chains

1


STAMPAGGIO A CALDO
DROP FORGING

2


LAVORAZIONE MECCANICA
MACHINING

2


LAVORAZIONE MECCANICA
MACHINING

TRATTAMENTO TERMICO
HEAT TREATMENT

3


3

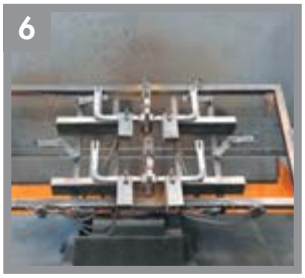

TRATTAMENTO TERMICO
HEAT TREATMENT

4


CONTROLLO QUALITÀ
QUALITY TESTING

5


PROVA DI TRAZIONE
TRACTION TEST

6


MASCHERE DI SALDATURA
WELDING PREPARATION

7


SALDATURA ROBOTIZZATA
ROBOT WELDING SYSTEM

8


CONTROLLO SALDATURA
WELDING QUALITY

ASSEMBLAGGIO
ASSEMBLING

9


10


IMBALLAGGIO
PACKING

Principali aree di applicazione

Industria del cemento e laterizi
Cemento e materiali sfusi
Trasporto clinker, gesso e sabbia
Elevatori a tazze
Trasportatori Apron
Trasportatori raschianti

Industria dell'acciaio
Banchi di trafila per tubi e profilati
Trasporto tubi
Trasporto coil e nastri
Trasporto fogli di lamiera
Trasporto billette
Trasporto sfridi di lavorazione meccanica
Trasporto rottame
Trasporto carbone, ferro e additivi

Industria mineraria
Grattatrici carbone, minerali a grana grossa e argilla
Frantoi

Industria del legno e della carta
Trasportatori raschianti
Trasporto tronchi
Linee segatrici
Trasporto tavole
Trasporto trucioli legno
Industria del mobile
Industria dei pannelli truciolari
Trasporto bobine di carta

Centrali elettriche
Trasporto carbone, biomasse, scorie e quarzo
Trasporto ceneri
Catene per trazione per movimentazione paratoie, dighe e chiuse
Trasportatori Apron
Industria dell'ambiente
Impianti trattamento rifiuti
Trasporto polveri (secco e umido)
Grattatrici negli impianti per biomasse
Trasporto sinterizzati
Impianti per trattamento acque e fanghi

Industria alimentare e molitoria
Trasporto materiali sfusi
Imbottigliamento e lavaggio bottiglie
Trasporto mais e soia
Olio e Biodiesel
Carico e scarico navi
Industria dello zucchero

Altre applicazioni
Industria automobilistica
Macchine posacatrame
Trasportatori per l'industria della produzione dell'asfalto
Scale mobili
Ascensori
Attrazioni parchi divertimento
Macchine scavafossi
Catene per macchine per il pane
Trasporto scatole e bottiglie

Industria chimica e fertilizzanti
Trasporto polveri e grani per la gomma
Filtri di precipitazione

Main areas of application

Cement and Concrete Industries
Cement and Concrete Industry
Clinker, Gypsum, Clay Reclaimers
Bucket Elevators
Apron Conveyors
Scraper Reclaimers

Steel Industry
Traction chains for Draw Benches
Piping conveyors
Strip coil conveyors
Steel sheet and structural steel conveyors
Billet conveyors
Steel chips for the metalworking industry
Scrap conveyors
Coal, iron ore and additive, conveyors

Mineral Industry
Coal, coarse-grained ore, limestone, slate reclaimer
Stone crusher

Wood and Paper Industry
Scraper Reclaimers
Log conveyors
Sawing lines
Plank transports
Woodchip handling
Furniture Industry
Laminated wood Industry
Paper Coil conveyors

Power Stations
Coal, biomass, slag, quartz conveyors
Hot Bottom Ash Conveyors
Traction chains for Hydro Electric Power Plants
Apron Conveyors
Environmental Industry
Waste treatment plants
Powder Transport (dry and wet)
Reclaimer in biomass plants
Sinter conveyors
Water and sludge treatment plants

Food Industry
Bulk material conveyors
Bottle transport and washing
Mais and Soy conveyors
Oil & Biofuel
Port and ship handling
Sugar industry

Other Applications
Automotive
Tar-layer Machines
Drag conveyor chains for the Asphalt Industry
Escalators
Elevators
Theme Parks
Trench Digging Machines
Bakery chains
Box and bottle conveyors

Chemical and Fertilizer Industry
Polymers and Granules for the rubber & dust
Precipitators from filter holders

Composizione di una catena meccanica

Una catena è un organo meccanico che, nella sua forma più semplice, è caratterizzato da cinque elementi: rulli, bussole, che insieme alle piastre interne, formano la maglia interna; mentre i perni, insieme alle piastre esterne, formano la maglia esterna. L'articolazione e quindi la possibilità di ingranare su di una ruota dentata, è resa possibile dal gioco esistente tra bussola e perno, il primo dei quali presenta un diametro interno leggermente superiore rispetto al secondo.

Le principali dimensioni di una trasmissione a catena sono: il passo (P), il diametro dei rulli (Dr) o il diametro bussola (Db) e la larghezza interna (Li). Il passo è la misura che identifica la distanza nominale tra i due perni consecutivi di una catena; il diametro rullo o il diametro bussola indicano i rispettivi diametri esterni; mentre la larghezza interna è la distanza tra le due facce delle piastre interne. Una catena è una successione di maglie interne ed esterne che articolano tra di loro dando luogo ad un organo flessibile per una trasmissione di moto.

Maglia interna

È formata da due piastre. Ciascuna piastra presenta due fori dove vengono forzate le bussole. Sulle bussole vengono montati i rulli che hanno lo scopo di ridurre l'attrito durante l'ingranamento con la ruota dentata. Nelle catene a bussole, mancano i rulli.

Maglia esterna

È formata da due piastre. I perni, passanti all'interno dei fori delle bussole, e forzati all'interno dei fori delle piastre esterne, sono l'elemento di collegamento alle maglie interne. Possono esistere svariate tipologie di perni: non smontabili o smontabili.

Maglia giunto

È una maglia esterna smontabile e viene utilizzata per congiungere uno o più spezzoni di catena.

Maglia falsa

È una maglia speciale, smontabile, che permette di ottenere spezzoni di catena con passi dispari. È formata da: un rullo, una bussola, un perno e due piastre piegate. La maglia falsa funziona quindi per metà come maglia interna e per metà come maglia esterna.

Materiali e trattamenti termici

Riportiamo di seguito alcune indicazioni sul tipo di acciaio generalmente utilizzato per le catene meccaniche.
La scelta del tipo di acciaio deve essere fatta sulla base delle condizioni di esercizio della catena o su indicazione del costruttore dell'impianto di cui la catena e parte.

Piastre

- Aacciaio al carbonio non trattato o trattato
- Acciaio legato non trattato o trattato
- Acciaio Inox

Perni

- Acciaio al carbonio trattato
- Acciaio legato trattato
- Acciaio Inox

Bussole

- Acciaio al carbonio trattato
- Acciaio legato trattato
- Acciaio Inox

Rulli

- Acciaio al carbonio trattato
- Acciaio legato trattato
- Acciaio Inox

Attacchi

- Acciaio Dolce

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How is a chain made up

Chains are mechanical components in their simplest conception composed by five elements: roller, bushings, assembled with inner sideplates are forming the inner link; while pins together with sideplates form the outer link. The chain articulation that is the ability to engage on a toothed wheel is made possible by the gap between the bushing and the pin,the bushing presenting a slightly bigger diameter respect to the pin.
The main dimensions of a chain transmission are: the pitch (P), the roller diameter (Dr) or the bush diameter (Db), and the inner width (Li). The pitch dimension is the nominal distance between two consecutive pins of the chain; the roller and the bush diameter correspond to the respective outer diameters; the inner width is the distance between the inner sides of the inner sideplates. Chains are made by sequences of inner and outer links articulating together and becom a flexible part of the drive transmission.

Inner link

It is composed by two sideplates. Each sideplate has two bores into which bushings are forced. Rollers are mounted on the bushings and reduce the friction while they engage the toothed wheel. In the chains named "bush chains" the rollers are not present.

Outer link

It is composed by two sideplates. The pins pass through the bores of the bushings, they are forced into the outer sideplates and by that the linking element of the inner links. They can be supplied in two different types: undetachable and detachable.

Connecting link

It is a demontable outer link and it is used to connect one or more chain lengths together.

Off-set link

It is a special demontable link which permits to obtain chain lengths with an odd number of pitches.It is composed by: one roller, one bushing,one pin and two bent sideplates.The off-set sideplate works half as inner link and half as outer link.

Materials and heat treatments:

We give you as follows some indications on the type of steels generally used for mechanical chains.The choice must depend on the working conditions of the chain or on the information given by the plant manufacturer of which the chain is constituent element.

Sideplates

- *Carbon steel treated or untreated*
- *Alloy steel treated or untreated*
- *Stainless steel*

Pins

- *Carbon steel treated or untreated*
- *Alloy steel treated or untreated*
- *Stainless steel*

Bushings

- *Carbon steel treated*
- *Alloy steel treated*
- *Stainless steel*

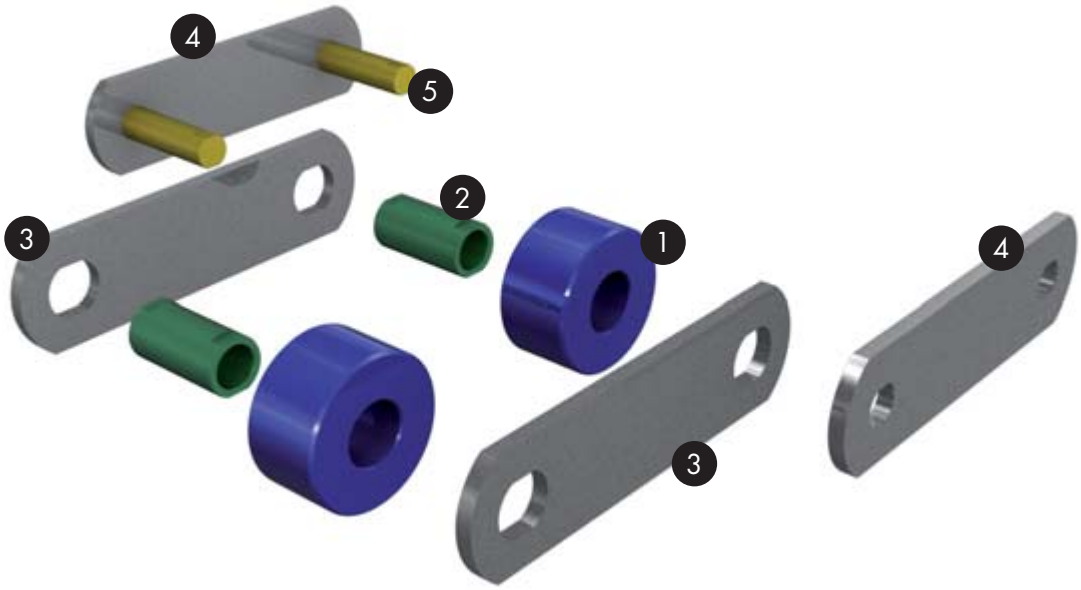
Rollers

- *Carbon steel treated*
- *Alloy steel treated*
- *Stainless steel*

Attachments

- *Mild steel*

Composizione di una catena / *Chain composition*



1 Rulli

I rulli ruotano generalmente sulle bussole e svolgono due funzioni: ridurre il coefficiente d'attrito sui trasportatori; ridurre al minimo l'attrito sui pignoni quando la catena entra ed esce dai denti di un pignone. I rulli possono essere temprati oppure cementati.

2 Bussole

Le bussole costituiscono la struttura portante per la rotazione del perno nell'articolazione sopra ad un pignone. Inoltre servono come superficie portante per i rulli della catena, oppure per il contatto sui pignoni quando la catena è senza rulli. Generalmente sono cementate.

3 4 Piastre (interne e esterne)

Le piastre sono elementi di trazione della catena e determinano il passo della stessa. Possono essere disassate, dritte o di qualsiasi altra forma. Per una maggiore resistenza e durata, le piastre, possono essere trattate a caldo.

5 Perni

I perni collegano le maglie della catena. Sono fermati nelle piastre per mezzo di un accoppiamento (d'interferenza) in modo tale che la rotazione avviene tra il perno e la bussola. I perni possono essere forniti trattati a caldo e non, oppure cementati e temperati; dipende solitamente dal tipo di applicazione.

1 Rollers

The rollers generally rotate in the bushing and have two functions: to reduce the coefficient of friction on conveyors; to minimize the friction on sprockets as the chain engages and disengages the teeth of the same. Rollers can be either hardened or case hardened.

2 Bushing

The bushings constitute the bearing structure in the rotation of the pin articulating over a sproket. They serve also as a bearing surface for the rollers of the chain or, if the chain has no rollers, for the contact with the sproket. They are generally case hardened.

3 4 Plates (inner and outer)

The plates are the traction members of the chain and determine its pitch. They can be off-set, straight or of any other shape. In order to guarantee a major resistance and longer service life, the plates can be heat treated.

5 Pins

The pins connect the chain links. They are locked in the plates by a coupling (of interference) so that the rotation takes place between the pin and the bushing The pins can be supplied either with or without heath treatment or case hardened, usually depending on the type of application.

To link for passion

L'articolazione della catena ed il continuo attrito tra il diametro esterno del perno ed il diametro interno della bussola provocano fenomeni di usura con conseguente aumento dei giochi e riduzione nella vita utile della catena stessa.
Per limitare l'usura nell'articolazione tra perno e bussola è necessario eseguire dei trattamenti termici di indurimento superficiale su queste parti, e questi trattamenti devono essere eseguiti secondo i più alti standard qualitativi.
MCV dispone di una linea di trattamento termico di ultima generazione, che consente di eseguire, controllare e certificare tutti i trattamenti termici sulle parti delle catene e degli accessori.
Nella tabella di seguito riportiamo i materiali standard impiegati ed i relativi trattamenti termici.

The articulating of the chainwithcontinuous friction betweenthepin outer diameter and the inner bush diameter, causes wearing,with consequent increase of the clearances and reduction of the running life of the chain itself.
To prevent this articulation wearing the most, it becomes necessary to carry outheattreatments of hardening on the surface of these parts, treatments to be performed according to the highest quality standards.
MCV is equipped with anheat treatment line of high technologic level, able toexecute, check and certify all the heat treatments on the parts of thechains and accessories.
Kindly pleaserefer to the following table with our standard materials and correspondent heat treatments.

COMPONENTI CATENA CON MATERIALI E TRATTAMENTI TERMICI *CHAIN PARTS WITH MATERIALS AND HEAT TREATMENTS*			
PIASTRE/*PLATES*	PERNI/*PINS*	BUSSOLE/*BUSHES*	RULLI/*ROLLERS*
AC	AC/BON	AC/CT	AC/CT
AC/BON	AL/CT	AC/BON+TI	AC/BON
AL/BON	AL/BON+TI	AL/CT	AC/BON+TI
SS3	AC/BON+TI	AL/BON+TI	AL/CT
	SS3	SS3	AL/BON
	SS4/BON	SS4/BON	AL/BON+TI
	SS4/BON+TI		SS3
			SS4/BON
			SS4/BON+TI

MATERIALI - *MATERIALS*

AC - Acciaio al carbonio - *Carbon Steel*
AL - Acciaio legato - *Alloyed Steel*
SS3 - Acciaio INOX Serie 300 - *Stainless Steel Series 300*
SS4 - Acciaio INOX Serie 400 - *Stainless Steel Series 400*

TRATTAMENTI TERMICI - *HEAT TREATMENTS*

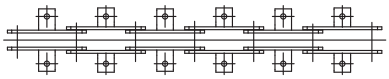
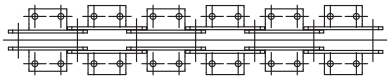
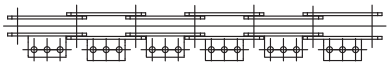
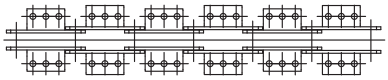
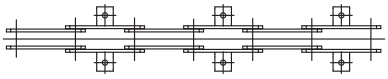
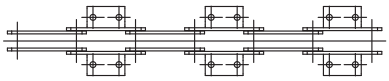
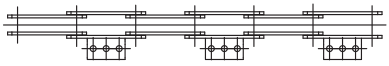
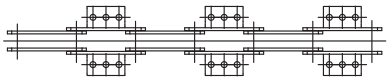
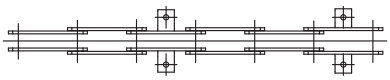
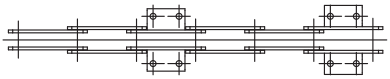
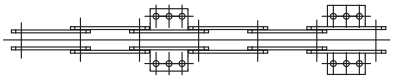
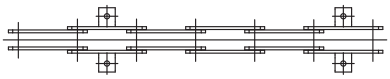
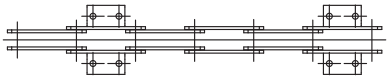
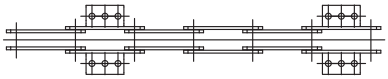
ACCIAIO AL CARBONIO - CARBON STEEL

Bonifica - *Hardening and Tempering*	(BON)
Bonifica + Tempra ad Induzione - *Harden. and tempering + Induction Hardening*	(BON+TI)
Cementazione + Tempra - *Case Hardening*	(CT)

ACCIAIO LEGATO - ALLOYED STEEL

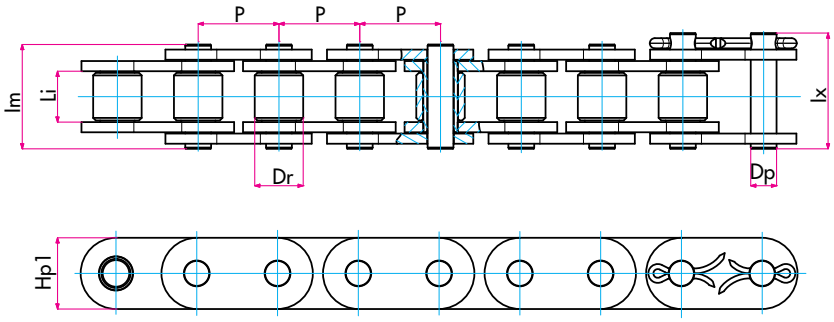
Bonifica - *Hardening and Tempering*	(BON)
Bonifica + Tempra ad Induzione - *Harden. and tempering + Induction Hardening*	(BON+TI)
Cementazione + Tempra - *Case Hardening*	(CT)

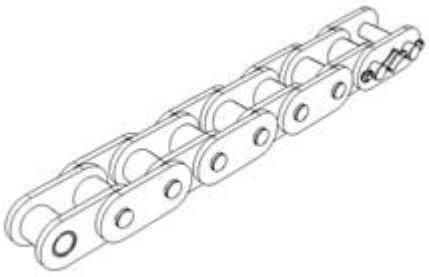
Sequenza di assemblaggio
Assembly sequences

A1-01			B1-01
A2-01			B2-01
A3-01			B3-01
A1-02			B1-02
A2-02			B2-02
A3-02			B3-02
A1-03			B1-03
A2-03			B2-03
A3-03			B3-03
A1-04			B1-04
A2-04			B2-04
A3-04			B3-04

MCV
To link for passion

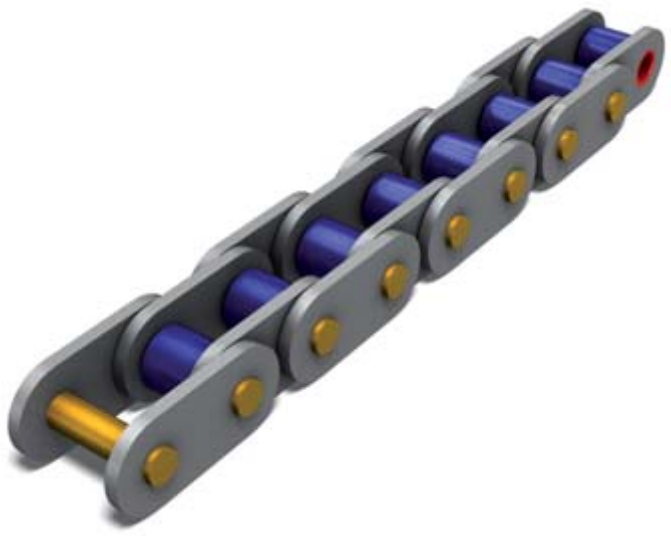
Catene a rulli semplici serie ISO 606 ed ANSI B29-1M
Roller chains single strand ISO 606 and ANSI B29-1M series



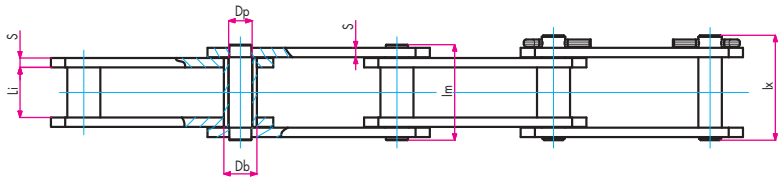


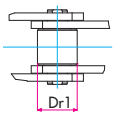
Serie ISO 606 / *ISO 606 series*

Codice/Code	Designazione ISO *ISO Designation*	Dimensioni / Dimensions							Superficie di lavoro *Bearing area*	Carico medio di rottura *Average breaking load*	Peso al metro *Weight per meter*
		P	Li	Dr	Dp	Hp1	Im	Ix			
		mm	mm	mm	mm	mm	mm	mm	mm^2	kN	kg/m
101C	05 B-1	8,000	3,00	5,00	2,29	7,11	7,80	14,00	11	4,4	0,16
102C	06 B-1	9,525	5,72	6,35	3,28	8,26	12,60	19,20	28	8,9	0,39
103C	08 B-1	12,700	7,75	8,51	4,44	11,81	16,50	24,30	50	17,8	0,69
104C	10 B-1	15,875	9,65	10,16	5,08	14,73	19,30	27,50	69	22,2	0,88
105C	12 B-1	19,050	11,68	12,07	5,72	16,13	22,50	31,70	89	28,9	1,21
106C	16 B-1	25,400	17,02	15,88	8,20	23,00	36,00	41,00	210	60,0	2,62
107C	20 B-1	31,750	19,56	19,05	10,15	26,00	42,00	46,00	295	90,0	3,39
108C	24 B-1	38,100	25,40	25,40	14,55	33,00	53,40	60,00	550	145,0	6,62
109C	28 B-1	44,450	30,99	27,94	15,85	40,00	65,10	72,00	740	220,0	8,40
110C	32 B-1	50,800	30,99	29,21	17,75	45,00	66,00	73,50	810	250,0	9,00
111C	40 B-1	63,500	38,10	39,37	22,89	53,00	76,00	84,00	1.290	360,0	15,15
112C	48 B-1	76,200	45,72	48,26	29,00	65,00	98,00	110,00	2.050	560,0	24,65
113C	56 B-1	88,900	53,34	53,98	34,32	80,00	114,00	125,00	2.790	850	36,00
114C	64 B-1	101,600	60,96	63,5	39,40	90,00	126,00	139,00	3.625	1.120,0	60,00
115C	72 B-1	114,300	68,58	72,39	44,50	100,00	144,00	166,00	4.620	1.400,0	80,00

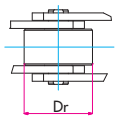


Serie ISO 1977 - DIN 8167 perni pieni
ISO 1977 - DIN 8167 series solid pins

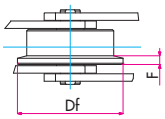




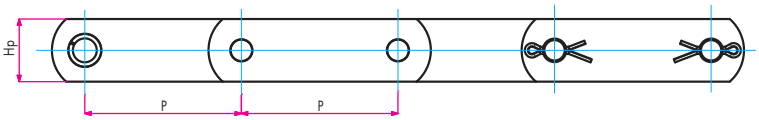
Type S
Small roller



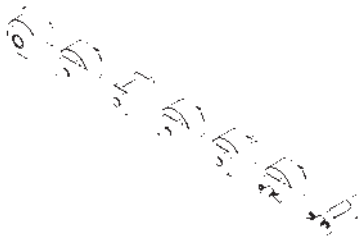
Type P
Large plain roller



Type F
Flanged roller



TYPE B: SENZA RULLI - *WITHOUT ROLLERS*



Serie ISO 1977 - DIN 8167 / *ISO 1977 - DIN 8167 series*

	Dimensioni / Dimensions												Carico medio di rottura *Average breaking load*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Hp	S	Dr1	Df	F	Im	Ix					
			Type P	Type B				Type S	Type F					Type B	Type S	Type P	Type F
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/mt	kg/mt	kg/mt	kg/mt
M 40/063/P	63	19	36	11,5	8,2	25	4	18	45	4,5	42	46	Trattato *Treated* 70	2,24	2,57	4,47	4,7
M 40/080/P	80													1,98	2,25	3,75	3,95
M 40/100/P	100													1,91	2,12	3,32	3,47
M 40/125/P	125												Non trattato *Not treated* 40	1,81	1,98	2,93	3,06
M 40/160/P	160													1,71	1,85	2,6	2,71
M 40/200/P	200													1,64	1,75	2,35	2,42
M 40/250/P	250													1,60	1,68	2,16	2,23
M 56/063/P	63	24	42	15	10	30	4	21	50	5	46	50	Trattato *Treated* 100	3,32	3,83	6,93	7,26
M 56/080/P	80													3,01	3,41	5,86	6,2
M 56/100/P	100													2,79	3,11	5,07	5,34
M 56/125/P	125													2,60	2,87	4,43	4,65
M 56/160/P	160												Non trattato *Not treated* 56	2,44	2,64	3,87	4,04
M 56/200/P	200													2,34	2,5	3,49	3,63
M 56/250/P	250													2,25	2,37	3,16	3,27
M 80/080/P	80	28	50	18	12	35	5	25	65	6	54	59	Trattato *Treated* 125	4,65	5,29	9,35	9,95
M 80/100/P	100													4,27	4,79	8,03	8,5
M 80/125/P	125													3,97	4,39	6,98	7,35
M 80/160/P	160													3,70	4,03	6,05	6,35
M 80/200/P	200												Non trattato *Not treated* 80	3,51	3,77	5,39	5,63
M 80/250/P	250													3,37	3,57	4,87	5,06
M 80/315/P	315													3,24	3,41	4,43	4,58
M 112/080/P	80	32	60	21	15	40	6	30	70	7	62	68	Trattato *Treated* 175	6,75	7,88	14,6	15,3
M 112/100/P	100													6,15	7,06	12,4	13
M 112/125/P	125													5,69	6,42	10,7	11,2
M 112/160/P	160													5,26	5,83	9,15	9,54
M 112/200/P	200												Non trattato *Not treated* 112	4,97	5,43	8,09	8,38
M 112/250/P	250													4,74	5,1	7,22	7,47
M 112/315/P	315													4,53	4,82	6,52	6,7
M 112/400/P	400													4,38	4,61	5,94	6,08

MCV
To link for passion

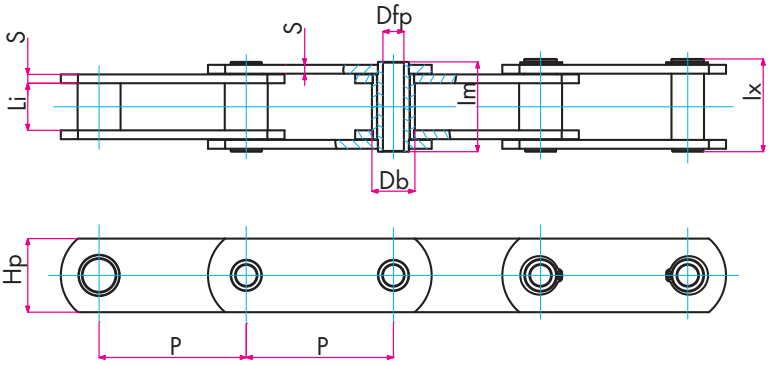
Catene Meccaniche
CATENE TRASPORTO

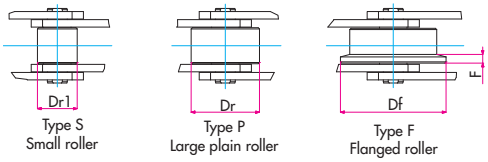
Serie ISO 1977 - DIN 8167 perni pieni
ISO 1977 - DIN 8167 series solid pins

Serie ISO 1977 - DIN 8167 / *ISO 1977 - DIN 8167 series*

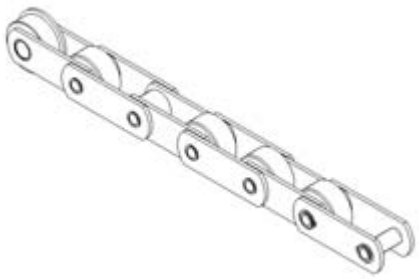
	Dimensioni / Dimensions												Carico medio di rottura *Average breaking load*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Hp	S	Dr1	Df	F	Im	Ix					
			Type P	Type B				Type S	Type F					Type B	Type S	Type P	Type F
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/mt	kg/mt	kg/mt	kg/mt
M 160/100/P	100													9,70	11,20	19,50	20,40
M 160/125/P	125												Trattato *Treated* 270	8,85	10,10	16,70	17,50
M 160/160/P	160													8,15	9,12	14,30	14,90
M 160/200/P	200	36	70	25	18	50	7	36	90	8,5	72	80		7,56	8,33	12,50	13,00
M 160/250/P	250												Non trattato *Not treated* 180	7,22	7,82	11,10	11,50
M 160/315/P	315													6,88	7,38	9,95	10,30
M 160/400/P	400													6,57	6,95	9,00	9,25
M 224/125/P	125													13,10	14,90	26,60	27,80
M 224/160/P	160												Trattato *Treated* 375	11,90	13,30	22,40	23,40
M 224/200/P	200													11,10	12,20	19,50	20,30
M 224/250/P	250	42	85	30	21	60	8	42	100	10	82	90		10,30	11,20	17,10	17,70
M 224/315/P	315												Non trattato *Not treated* 224	9,78	10,50	15,10	15,70
M 224/400/P	400													9,30	9,86	13,50	13,90
M 224/500/P	500													8,97	9,40	12,30	12,60
M 315/160/P	160													18,30	20,50	34,40	36,10
M 315/200/P	200												Trattato *Treated* 520	16,70	18,60	29,60	31,00
M 315/250/P	250													15,60	17,10	25,90	27,10
M 315/315/P	315	48	100	36	25	70	10	50	125	12	97	107		14,60	15,80	22,90	23,70
M 315/400/P	400												Non trattato *Not treated* 315	13,90	14,80	20,30	21,20
M 315/500/P	500													13,30	14,10	18,50	19,10
M 450/200/P	200													24,20	27,50	46,00	47,80
M 450/250/P	250												Trattato *Treated* 700	22,40	25,00	39,80	41,40
M 450/315/P	315													20,90	22,90	34,70	36,00
M 450/400/P	400	56	120	42	30	80	12	60	150	14	114	126		19,70	21,30	30,60	31,50
M 450/500/P	500												Non trattato *Not treated* 450	18,70	20,10	27,50	28,20
M 450/630/P	630													18,00	19,00	24,90	25,50
M 630/250/P	250													34,90	39,60	62,80	65,70
M 630/315/P	315												Trattato *Treated* 1050	32,20	35,40	54,30	56,50
M 630/400/P	400													30,30	32,70	47,80	49,50
M 630/500/P	500	66	140	50	36	100	15	70	170	16	136	150		28,40	30,40	42,40	43,80
M 630/630/P	630												Non trattato *Not treated* 630	27,10	28,70	38,30	39,30
M 630/800/P	800													26,00	27,20	34,70	35,60
M 900/250/P	250													51,20	58,00	100,00	106,00
M 900/315/P	315												Trattato *Treated* 1250	47,00	52,30	85,70	90,20
M 900/400/P	400													43,50	47,70	74,00	77,40
M 900/500/P	500	78	170	60	44	120	15	85	210	18	150	165		40,80	44,20	65,30	68,10
M 900/630/P	630												Non trattato *Not treated* 900	38,80	41,40	58,10	60,40
M 900/800/P	800													36,90	39,00	52,20	51,70

Serie ISO 1977 - DIN 8168 perni forati
ISO 1977 - DIN 8168 series hollow pins





TYPE B: SENZA RULLI - *WITHOUT ROLLERS*

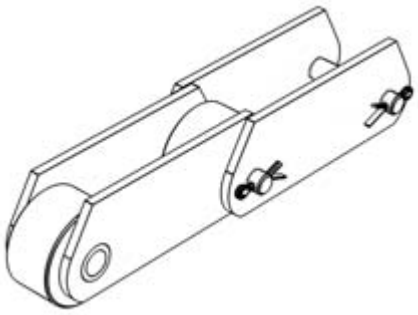


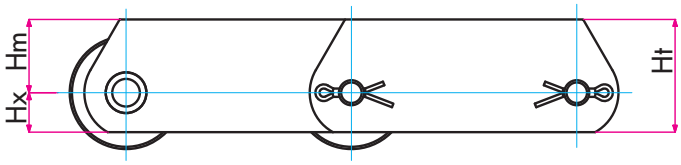
Serie ISO 1977 - DIN 8168 / *ISO 1977 - DIN 8168 series*

	Dimensioni / Dimensions													Carico medio di rottura *Average breaking load*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Dfp	Hp	S	Dr1	Df	F	Im	Ix					
			Type P	Type B					Type S	Type F					Type B	Type S	Type P	Type F
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/mt	kg/mt	kg/mt	kg/mt
MC 28/063/P	63	19	36	17,5	13	8,5	25	4	25	45	4,5	41	44	Trattato *Treated* 42 Non trattato *Not treated* 28	2,60	3,80	5,00	5,20
MC 28/080/P	80														2,40	3,30	4,30	4,40
MC 28/100/P	100														2,20	2,90	3,70	3,80
MC 28/125/P	125														2,00	2,60	3,20	3,30
MC 28/160/P	160														1,90	2,30	2,80	2,90
MC 56/080/P	80	23	50	21	15,1	10,2	35	5	30	60	5	48,5	52	Trattato *Treated* 88 Non trattato *Not treated* 56	3,50	4,90	5,70	6,00
MC 56/100/P	100														3,30	4,40	5,00	5,20
MC 56/125/P	125														3,10	4,00	4,50	4,60
MC 56/160/P	160														2,90	3,60	4,00	4,10
MC 56/200/P	200														2,70	3,30	3,60	3,70
MC 56/250/P	250														2,60	3,10	3,30	3,40
MC 112/100/P	100	32	70	29	22	14,3	50	6	42	85	7	62	65	Trattato *Treated* 190 Non trattato *Not treated* 112	8,50	9,90	12,90	13,50
MC 112/125/P	125														7,60	8,90	11,30	11,70
MC 112/160/P	160														6,90	8,00	9,90	10,20
MC 112/200/P	200														6,50	7,30	8,80	9,10
MC 112/250/P	250														6,10	6,80	8,00	8,20
MC 112/315/P	315														5,30	5,80	6,80	6,90
MC 224/160/P	160	42	100	42	30	20,3	70	8	60	120	10	90	93	Trattato *Treated* 350 Non trattato *Not treated* 224	13,60	16,40	27,00	28,70
MC 224/200/P	200														12,30	13,50	22,00	23,40
MC 224/250/P	250														11,90	12,50	19,40	20,50
MC 224/315/P	315														11,20	11,80	17,20	18,00
MC 224/400/P	400																	
MC 224/500/P	500																	

MCV
To link for passion

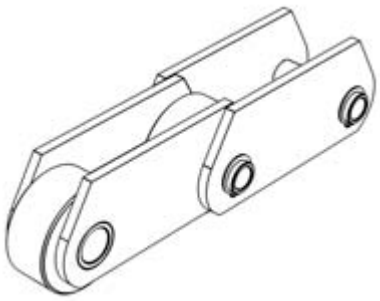
Serie ISO 1977 - DIN 8168 perni forati
ISO 1977 - DIN 8168 series hollow pins

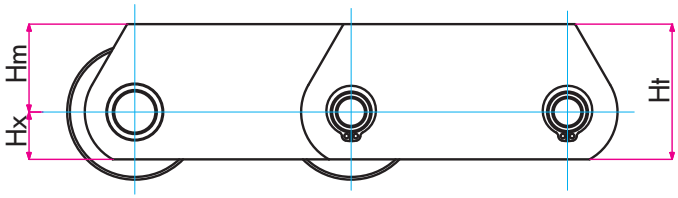




Perni pieni ISO 1977 - DIN 8167/ *ISO 1977 - DIN 8167 solid pins*

	Dimensioni / Dimensions		
	Hm	Hx	Ht
Codice/Code	mm	mm	mm
M 040	22,5	12,5	35
M 056	30,0	15,0	45
M 080	32,5	17,5	50
M 112	40,0	20,0	60
M 160	45,0	25,0	70
M 224	60,0	30,0	90
M 315	65,0	35,0	100
M 450	80,0	40,0	120
M 630	90,0	50,0	140
M 900	120,0	60,0	180





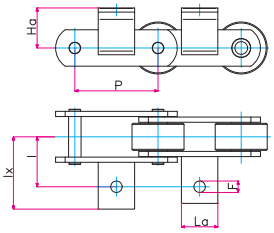
Perni forati ISO 1977 - DIN 8168 / *ISO 1977 - DIN 8168 hollow pins*

	Dimensioni / Dimensions		
	Hm	Hx	Ht
Codice/Code	mm	mm	mm
MC 028	22,5	12,5	35
MC 056	32,5	17,5	50
MC 112	45,0	25,0	70
MC 224	65,0	35,0	100

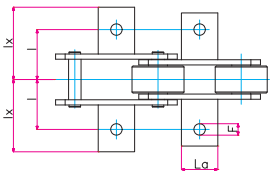
Attacchi serie ISO 1977 - DIN 8167 / ISO 1977 - DIN 8168
Attachments ISO 1977 - DIN 8167 / ISO 1977 - IN 8168 series

Tipo A1-B1 / *Type A1-B1*

Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions						Peso attacco *Weight attachement*
		Ha	La	F	I	Ix	Angolare *Angle*	
	mm	mm	mm	mm	mm	mm	mm	kg/each
M 040	63	25	25	9	35	56	35x4	0,052
M 056	80	30	25	11	44	63	40x4	0,060
M 080	80	35	35	11	48	70	45x4	0,096
M 112	100	40	40	14	55	80	50x5	0,150
M 160	125	45	50	14	62	95	60x6	0,271
M 224	160	55	60	18	70	110	70x7	0,443
M 315	160	65	60	18	80	125	80x8	0,578
M 450	200	75	60	18	90	135	80x10	0,714
M 630	250	90	70	24	115	170	100x12	1,250
M 900	250	110	80	30	140	200	120x12	1,730
MC 028	80	25	25	9	35	50	30x4	0,044
MC 056	80	35	30	11	44	65	40x4	0,072
MC 112	100	45	35	14	55	80	50x5	0,132
MC 224	160	65	50	18	70	110	70x8	0,418

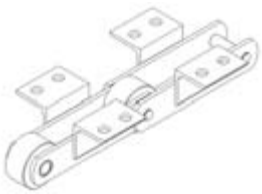


TYPE A1

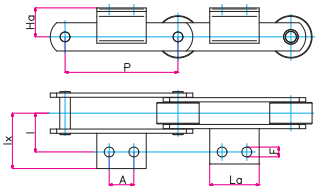


TYPE B1

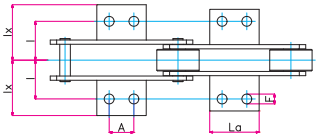
Tipo A2-B2 corto / *Type A2-B2 short*



Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions							Peso attacco *Weight attachement*
		Ha	La	A	F	I	Ix	Angolare *Angle*	
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
M 040	80	25	40	20	9	35	56	35x4	0,084
M 056	100	30	50	25	11	44	63	40x4	0,121
M 080	125	35	70	50	11	48	70	45x4	0,192
M 112	125	40	70	35	14	55	80	50x5	0,264
M 160	160	45	80	50	14	62	95	60x6	0,433
M 224	200	55	110	65	18	70	110	70x7	0,811
M 315	200	65	90	50	18	80	125	80x8	0,866
M 450	250	75	125	85	18	90	135	80x10	1,487
M 630	315	90	150	100	24	115	170	100x12	2,670
M 900	315	110	130	65	30	140	200	120x12	2,808
MC 028	80	25	40	20	9	35	50	30x4	0,071
MC 056	125	35	75	50	11	44	65	40x4	0,181
MC 112	160	45	80	50	14	55	80	50x5	0,301
MC 224	200	65	90	50	18	70	110	70x8	0,752



TYPE A2C



TYPE B2C

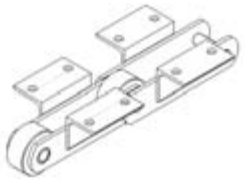
N.B.: A richiesta gli attacchi possono essere forniti in un pezzo unico piegato.
NOTE: On request the attachments can be supplied in one single bent piece.

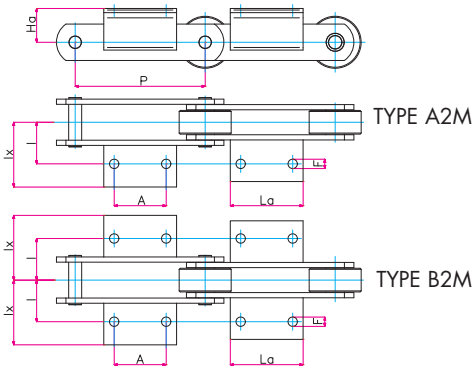
MCV
To link for passion

Attacchi serie ISO 1977 - DIN 8167 / ISO 1977 - DIN 8168
Attachments ISO 1977 - DIN 8167 / ISO 1977 - IN 8168 series

Tipo A2-B2 medio / *Type A2-B2 medium*

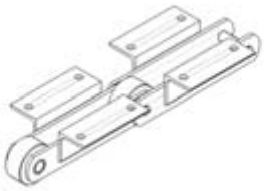
Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions Ha	La	A	F	I	Ix	Angolare *Angle*	Peso attacco *Weight attachement*
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
M 040	100	25	60	40	9	35	56	35x4	0,125
M 056	125	30	75	50	11	44	63	40x4	0,181
M 080	160	35	110	85	11	48	70	45x4	0,301
M 112	160	40	100	65	14	55	80	50x5	0,377
M 160	200	45	120	85	14	62	95	60x6	0,650
M 224	250	55	170	125	18	70	110	70x7	1,254
M 315	250	65	140	100	18	80	125	80x8	1,348
M 450	315	75	200	155	18	90	135	80x10	2,380
M 630	400	90	240	190	24	115	170	100x12	4,272
M 900	400	110	220	155	30	140	200	120x12	4,752
MC 028	100	25	60	40	9	35	50	30x4	0,107
MC 056	160	35	110	85	11	44	65	40x4	0,266
MC 112	200	45	120	85	14	55	80	50x5	0,452
MC 224	250	65	140	100	18	70	110	70x8	1,170

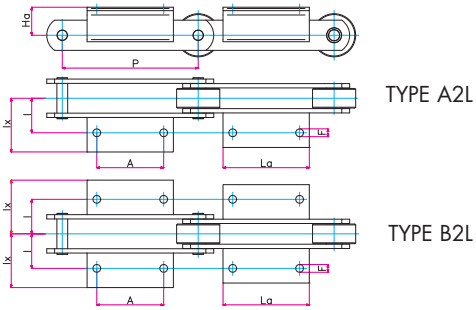




Tipo A2-B2 lungo / *Type A2-B2 long*

Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions Ha	La	A	F	I	Ix	Angolare *Angle*	Peso attacco *Weight attachement*
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
M 040	125	25	85	65	9	35	56	35x4	0,177
M 056	160	30	110	85	11	44	63	40x4	0,266
M 080	200	35	150	125	11	48	70	45x4	0,411
M 112	200	40	140	100	14	55	80	50x5	0,528
M 160	250	45	180	145	14	62	95	60x6	0,975
M 224	315	55	230	190	18	70	110	70x7	1,697
M 315	315	65	200	155	18	80	125	80x8	1,926
M 450	400	75	280	240	18	90	135	80x10	3,332
M 630	500	90	350	300	24	115	170	100x12	6,230
M 900	500	110	300	240	30	140	200	120x12	6,500
MC 028	125	25	85	65	9	35	50	30x4	0,151
MC 056	200	35	150	125	11	44	65	40x4	0,363
MC 112	250	45	180	145	14	55	80	50x5	0,678
MC 224	315	65	200	155	18	70	110	70x8	1,672



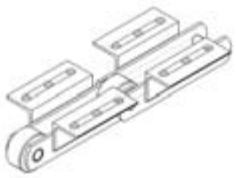


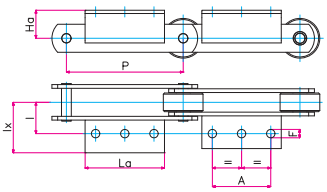
N.B.: A richiesta gli attacchi possono essere forniti in un pezzo unico piegato.
NOTE: On request the attachments can be supplied in one single bent piece.

Attacchi serie ISO 1977 - DIN 8167 / ISO 1977 - DIN 8168
Attachments ISO 1977 - DIN 8167 / ISO 1977 - IN 8168 series

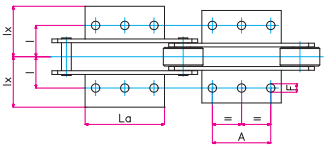
Tipo A3-B3 medio / *Type A3-B3 medium*

Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions							Peso attacco *Weight attachement*
		Ha	La	A	F	I	Ix	Angolare *Angle*	
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
M 040	100	25	60	40	9	35	56	35x4	0,125
M 056	125	30	75	50	11	44	63	40x4	0,181
M 080	160	35	110	85	11	48	70	45x4	0,301
M 112	160	40	100	65	14	55	80	50x5	0,377
M 160	200	45	120	85	14	62	95	60x6	0,650
M 224	250	55	170	125	18	70	110	70x7	1,254
M 315	250	65	140	100	18	80	125	80x8	1,348
M 450	315	75	200	155	18	90	135	80x10	2,380
M 630	400	90	240	190	24	115	170	100x12	4,272
M 900	400	110	220	155	30	140	200	120x12	4,572
MC 028	100	25	60	40	9	35	50	30x4	0,107
MC 056	160	35	110	85	11	44	65	40x4	0,266
MC 112	200	45	120	85	14	55	80	50x5	0,452
MC 224	250	65	140	100	18	70	110	70x8	1,170





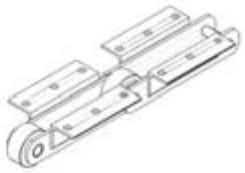
TYPE A3M

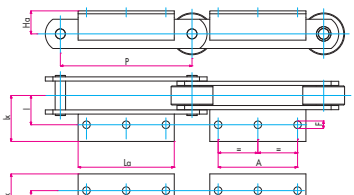


TYPE B3M

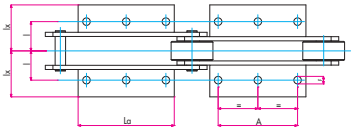
Tipo A3-B3 lungo / *Type A3-B3 long*

Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions							Peso attacco *Weight attachement*
		Ha	La	A	F	I	Ix	Angolare *Angle*	
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
M 040	125	25	85	65	9	35	56	35x4	0,177
M 056	160	30	110	85	11	44	63	40x4	0,266
M 080	200	35	150	125	11	48	70	45x4	0,411
M 112	200	40	140	100	14	55	80	50x5	0,528
M 160	250	45	180	145	14	62	95	60x6	0,975
M 224	315	55	230	190	18	70	110	70x7	1,697
M 315	315	65	200	155	18	80	125	80x8	1,926
M 450	400	75	280	240	18	90	135	80x10	3,332
M 630	500	90	350	300	24	115	170	100x12	6,320
M 900	500	110	300	240	30	140	200	120x12	6,500
MC 028	125	25	85	65	9	35	50	30x4	0,151
MC 056	200	35	150	125	11	44	65	40x4	0,636
MC 112	250	45	180	145	14	55	80	50x5	0,678
MC 224	315	65	200	155	18	70	110	70x8	1,672





TYPE A3L



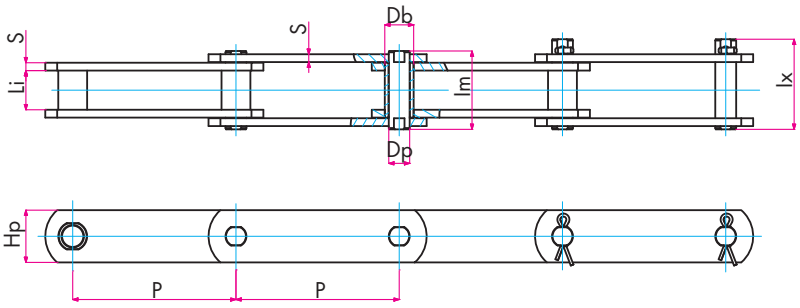
TYPE B3L

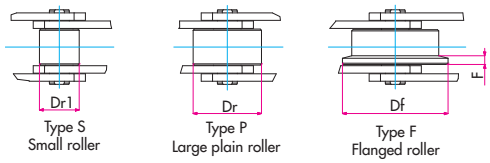
N.B.: A richiesta gli attacchi possono essere forniti in un pezzo unico piegato.
NOTE: On request the attachments can be supplied in one single bent piece.

MCV
To link for passion

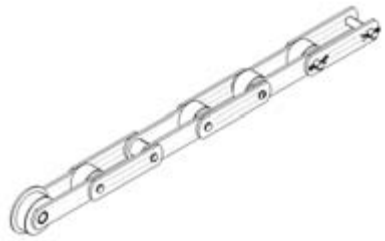
Serie DIN 8165 perni pieni
DIN 8165 series solid pins

Mechanical Chains
CONVEYOR CHAINS





TYPE B SENZA RULLI - *WITHOUT ROLLERS*



Serie DIN 8165 / *DIN 8165 series*

	Dimensioni / Dimensions												Carico minimo di rottura *Minimum breaking load*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Hp	S	Dr1	Df	F	Im	Ix					
			Type P	Type B				Type S	Type F					Type B	Type S	Type P	Type F
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/mt	kg/mt	kg/mt	kg/mt
FV 40/040/P	40													2,59	3,04	4,68	
FV 40/063/P	63	18	32	15	10	25	3	20	40/48	4,5	36	41	40	2,08	2,36	3,43	4,65
FV 40/100/P	100													1,76	1,94	2,60	3,38
FV 63/063/P	63													3,46	4,17	6,05	
FV 63/100/P	100	22	40	18	12	30	4	26	50/60	5,5	44	50	63	2,92	3,37	4,57	5,60
FV 63/125/P	125													2,67	3,03	3,79	4,82
FV 63/160/P	160													2,45	2,73	3,48	4,13
FV 90/063/P	63													5,72	6,87	10,00	
FV 90/100/P	100													4,67	5,40	7,37	9,59
FV 90/125/P	125	25	48	20	14	35	5	30	60/70	5,5	52	58	90	4,35	4,93	6,51	8,29
FV 90/160/P	160													3,87	4,32	5,56	6,95
FV 90/200/P	200													3,50	3,86	4,85	5,96
FV 90/250/P	250													3,47	3,76	4,55	5,44
FV 112/100/P	100													6,11	7,06	10,50	14,30
FV 112/125/P	125													5,85	6,61	9,39	12,40
FV 112/160/P	160	30	55	22	16	40	6	32	70/85	7	62	68	112	5,26	5,85	8,03	10,40
FV 112/200/P	200													5,00	5,47	7,30	9,13
FV 112/250/P	250													4,72	5,10	6,49	8,02
FV 140/100/P	100													7,38	8,69	13,30	
FV 140/125/P	125													6,78	7,80	11,50	15,70
FV 140/160/P	160	35	60	26	18	45	6	36	80/95	8	67	74	140	6,56	7,36	10,20	13,50
FV 140/200/P	200													5,82	6,46	8,77	11,40
FV 140/250/P	250													5,48	5,99	7,85	9,96
FV 140/315/P	315																

N.B.: Per rulli flangiati verificare applicabilità con passo minimo di ogni serie.
NOTE: For flanged rollers please check applicability with minimum pitch of each series.

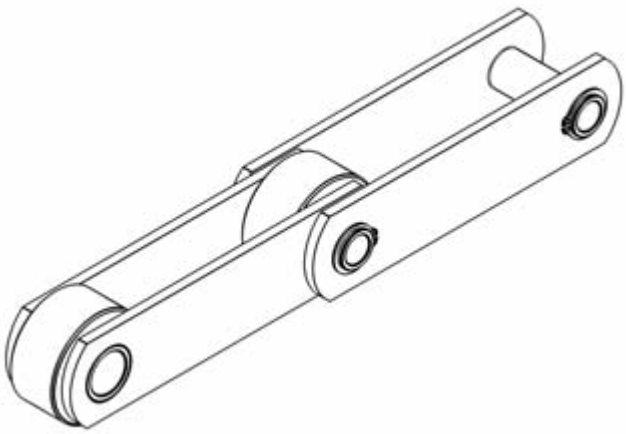
MCV
To link for passion

Serie DIN 8165 / *DIN 8165 series*

	Dimensioni / Dimensions												Carico minimo di rottura *Minimum breaking load*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Hp	S	Dr1	Df	F	Im	Ix					
			Type P	Type B				Type S	Type F					Type B	Type S	Type P	Type F
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/mt	kg/mt	kg/mt	kg/mt
FV 180/125/P	125													10,70	12,50	19,20	
FV 180/160/P	160													9,72	11,20	16,30	22,20
FV 180/200/P	200	45	70	30	20	50	8	42	100/120	9	86	94	180	9,12	10,00	14,40	19,10
FV 180/250/P	250													8,51	9,43	12,70	16,90
FV 180/315/P	315													8,20	8,93	11,60	14,50
FV 180/400/P	400																
FV 250/125/P	125													14,30	17,50	27,50	
FV 250/160/P	160													13,00	15,50	23,40	39,90
FV 250/200/P	200	55	80	36	26	60	8	50	125/145	12	96	106	250	11,80	13,80	20,60	33,30
FV 250/250/P	250													10,80	12,40	17,40	28,00
FV 250/315/P	315													10,00	11,20	15,20	23,60
FV 250/400/P	400																
FV 315/160/P	160													20,04	24,51	35,67	
FV 315/200/P	200													18,24	21,81	30,74	43,59
FV 315/250/P	250	65	90	42	30	70	10	60	140/170	14	114	125	315	16,76	19,65	26,79	37,07
FV 315/315/P	315													15,53	17,80	23,46	31,62
FV 315/400/P	400													14,56	16,35	20,81	27,23
FV 400/160/P	160													24,16	28,52	45,58	
FV 400/200/P	200													21,91	25,40	39,05	56,11
FV 400/250/P	250	70	100	44	32	70	12	60	150/180	14	128	140	400	20,17	22,96	33,88	47,53
FV 400/315/P	315													18,73	20,95	29,61	40,44
FV 400/400/P	400													17,56	19,31	26,12	34,66
FV 500/160/P	160													30,04	37,18	58,90	
FV 500/200/P	200													27,04	32,75	50,13	
FV 500/250/P	250	80	110	50	36	80	12	70	160/190	18	138	150	500	24,65	29,22	43,12	55,48
FV 500/315/P	315													22,68	26,30	37,34	47,14
FV 500/400/P	400													21,06	23,91	32,60	40,33
FV 500/500/P	500																
FV 630/200/P	200													36,45	45,22	67,25	
FV 630/250/P	250													32,93	39,95	57,57	76,20
FV 630/315/P	315	90	120	56	42	100	12	80	170/200	22	148	162	630	30,02	35,59	49,57	64,36
FV 630/400/P	400													27,65	32,04	43,05	54,69
FV 500/500/P	500													25,88	29,39	38,20	47,52

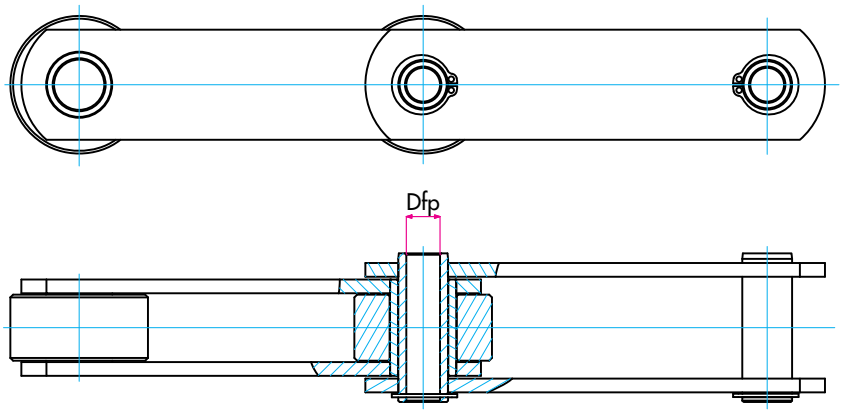
N.B.: Per rulli flangiati verificare applicabilità con passo minimo di ogni serie.
NOTE: For flanged rollers please check applicability with minimum pitch of each series.

Serie DIN 8165 perni forati
DIN 8165 series hollow pins

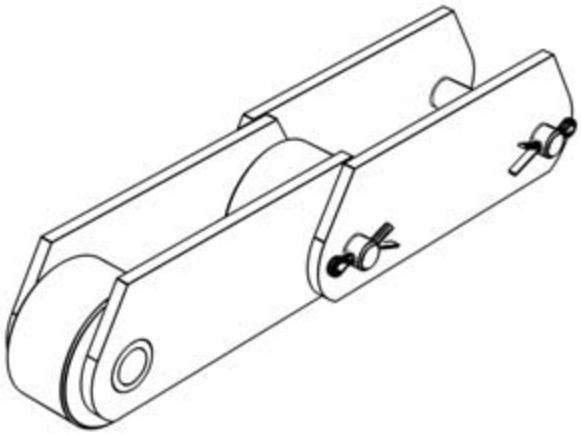


Perni forati / *Hollow pins*

Codice/Code	Dimensioni / Dimensions Dfp mm
FV 040	–
FV 063	8
FV 090	10
FV 112	11
FV 140	12
FV 180	14
FV 250	18
FV 315	20
FV 400	22
FV 500	26
FV 630	30

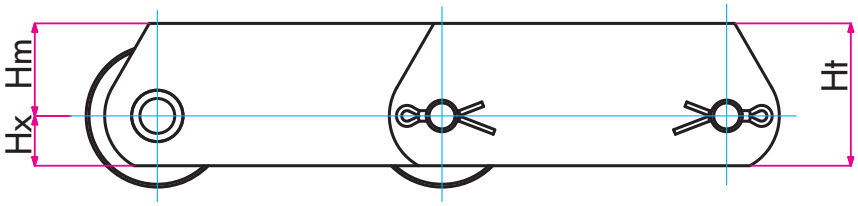


To link for passion



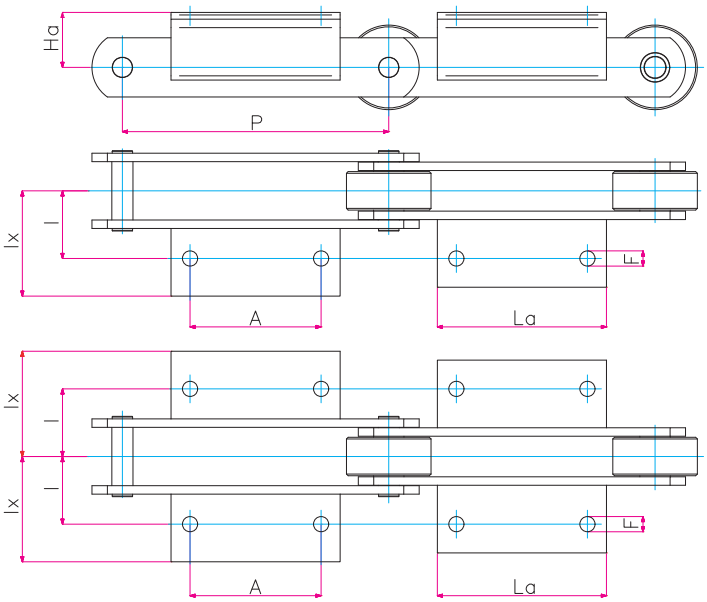
Piastre disassate / *Deep sideplates*

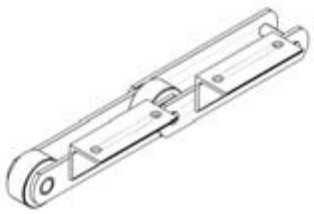
Codice/Code	Dimensioni / Dimensions		
	Hm	Hx	Ht
	mm	mm	mm
FV 040	22,5	12,5	35
FV 063	25,0	15,0	40
FV 090	27,5	17,5	45
FV 112	30,0	20,0	50
FV 140	37,5	22,5	60
FV 180	45,0	25,0	70
FV 250	50,0	30,0	80
FV 315	55,0	35,0	90
FV 400	55,0	35,0	90
FV 500	60,0	40,0	100
FV 630	70,0	50,0	120

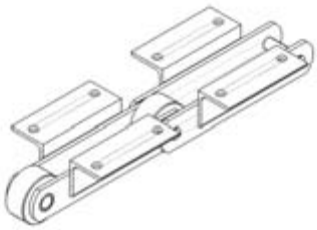


Attacchi serie DIN 8165
Attachments DIN 8165 series

Mechanical Chains
CONVEYOR CHAINS







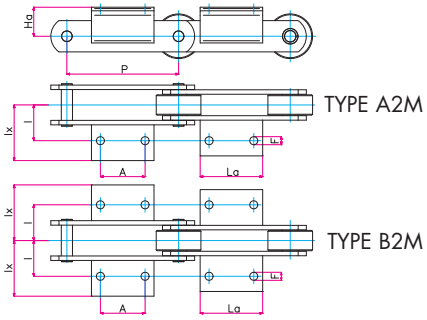
Serie DIN 8165 / *DIN 8165 series*

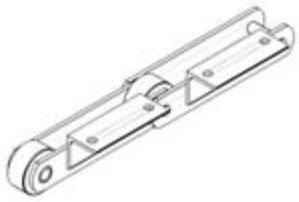
	Dimensioni / Dimensions								Peso attacco *Weight attachement*
	P	Ha	La	A	F	I	Ix	Angolare *Angle*	
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
FV 40/040/P	40	20	–	–	6,5	25	41	25x3	-
FV 40/063/P	63		–	–					-
FV 40/100/P	100		50	30					0,056
FV 63/063/P	63	30	–	–	9	34	50	30x3	-
FV 63/100/P	100		50	30					0,068
FV 63/125/P	125		60	40					0,082
FV 63/160/P	160		70	50					0,095
FV 90/063/P	60	35	–	–	9	40	65	40x4	-
FV 90/100/P	100		50	30					0,121
FV 90/125/P	125		60	40					0,145
FV 90/160/P	160		70	50					0,169
FV 90/200/P	200		80	60					0,193
FV 90/250/P	250		85	65					0,205
FV 112/100/P	100	40	50	30	11	50	70	40x5	0,148
FV 112/125/P	125		65	40					0,193
FV 112/160/P	160		75	50					0,222
FV 112/200/P	200		90	65					0,267
FV 112/250/P	250		105	80					0,311
FV 140/100/P	100	45	55	30	11	50	82	50x5	0,207
FV 140/125/P	125		65	40					0,245
FV 140/160/P	160		75	50					0,282
FV 140/200/P	200		90	65					0,339
FV 140/250/P	250		105	80					0,395
FV 140/315/P	315		125	100					0,471

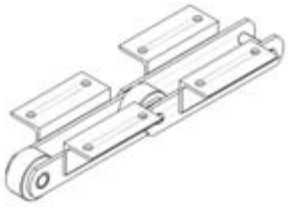
N.B.: A richiesta gli attacchi possono essere forniti in un pezzo unico piegato.
NOTE: On request the attachments can be supplied in one single bent piece.

MCV
To link for passion

Attacchi serie DIN 8165
Attachments DIN 8165 series







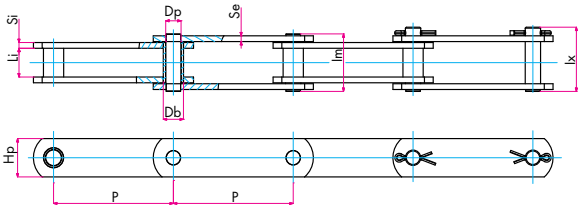
Serie DIN 8165 / *DIN 8165 series*

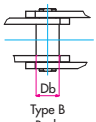
	Dimensioni / Dimensions								Peso attacco *Weight attachement*
	P	Ha	La	A	F	I	Ix	Angolare *Angle*	
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
FV 180/125/P	125	45	65	35	13	64	92	50x6	0,290
FV 180/160/P	160		80	50					0,357
FV 180/200/P	200		95	65					0,424
FV 180/250/P	250		110	80					0,491
FV 180/315/P	315		130	100					0,581
FV 180/400/P	400		130	100					0,581
FV 250/125/P	125	55	–	–	13	69	110	65x7	-
FV 250/160/P	160		80	50					0,546
FV 250/200/P	200		95	65					0,648
FV 250/250/P	250		110	80					0,751
FV 250/315/P	315		130	100					0,888
FV 250/400/P	400		130	100					0,888
FV 315/160/P	160	60	–	–	13	85	125	70x9	-
FV 315/200/P	200		95	65					0,887
FV 315/250/P	250		110	80					1,027
FV 315/315/P	315		130	100					1,214
FV 315/400/P	400		130	100					1,214
FV 400/160/P	160	65	–	–	18	95	142	80x10	-
FV 400/200/P	200		100	60					1,190
FV 400/250/P	250		120	80					1,428
FV 400/315/P	315		140	100					1,666
FV 400/400/P	400		140	100					1,666
FV 500/160/P	160	70	–	–	18	100	148	80x10	-
FV 500/200/P	200		90	50					1,071
FV 500/250/P	250		120	80					1,428
FV 500/315/P	315		140	100					1,666
FV 500/400/P	400		140	100					1,666
FV 500/500/P	500		140	100					1,666
FV 630/200/P	200	80	–	–	18	115	172	100x10	-
FV 630/250/P	250		110	70					1,661
FV 630/315/P	315		140	100					2,114
FV 630/400/P	400		140	100					2,114
FV 630/500/P	500		140	100					2,114

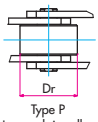
N.B.: A richiesta gli attacchi possono essere forniti in un pezzo unico piegato.
NOTE: On request the attachments can be supplied in one single bent piece.

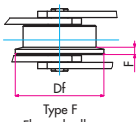
Serie BS 4116 perni pieni
BS 4116 series solid pins

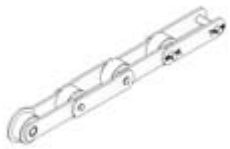
Mechanical Chains
CONVEYOR CHAINS











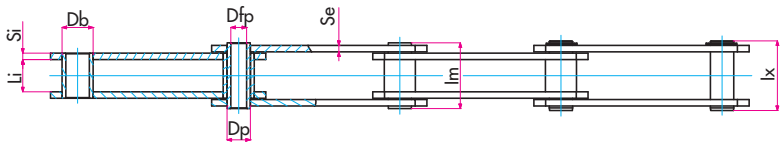
Serie BS 4116 perni pieni / *BS 4116 series solid pins*

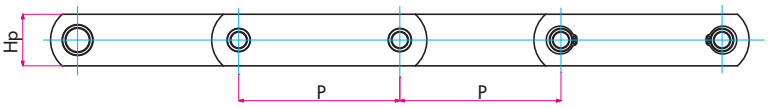
* Misure a richiesta. / *Dimensions upon request.*

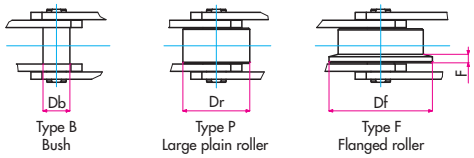
	Dimensioni / Dimensions												Carico medio di rottura *Average breaking load*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Hp	Si	Se	Df	F	Lm	Lx				
			Type P	Type B					Type F					Type B	Type P	Type F
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/mt	kg/mt	kg/mt
SP 43/0508/P	50,8	15,2	31,75	13,6 *(17,1)	10 *(14,3)	25	4	4	40	5	37	42	Trattato *Treated* 70 / Non trattato *Not treated* 45	3,00	4,00	4,40
SP 43/0635/P	63,5													2,80	3,75	3,90
SP 43/0762/P	76,2													2,50	3,20	3,40
SP 43/0889/P	88,9													2,40	3,00	3,20
SP 43/1016/P	101,6													2,30	2,80	3,00
SP 43/1143/P	114,3													2,10	2,60	2,90
SP 43/1270/P	127,0													2,10	2,40	2,70
SP 43/1524/P	152,4													1,90	2,40	2,50
SP 75/0762/P	76,2	19	47,5	24,1	19	40	5	4	60	6	43	50	Trattato *Treated* 125 / Non trattato *Not treated* 88	4,90	7,70	8,20
SP 75/0889/P	88,9													4,70	7,10	7,50
SP 75/1016/P	101,6													4,60	6,50	7,00
SP 75/1270/P	127,0													4,30	5,40	6,20
SP 75/1524/P	152,4													4,10	5,00	5,70
SP 75/1778/P	177,8													3,90	4,80	5,20
SP 75/2032/P	203,2													3,80	4,60	5,00
SP 135/1016/P	101,6	25,4	66,7	32,1	26	50	7	5	82	8	56	65	Trattato *Treated* 200 / Non trattato *Not treated* 140	8,80	12,40	14,90
SP 135/1270/P	127,0													8,00	11,10	12,80
SP 135/1524/P	152,4													7,50	10,80	11,50
SP 135/1778/P	177,8													7,00	9,80	10,50
SP 135/2032/P	203,2													6,70	9,20	9,70
SP 135/2540/P	254,0													5,60	8,00	8,00
SP 200/1524/P	152,4	38	89	38	32	60	8	8	114	10	78	90	Trattato *Treated* 320 / Non trattato *Not treated* 215	14,70	24,30	26,00
SP 200/1778/P	177,8													13,70	22,00	23,50
SP 200/2032/P	203,2													13,10	20,50	21,60
SP 200/2540/P	254,0													12,20	18,00	19,00
SP 200/3048/P	304,8													11,60	15,60	17,50
SP 200/3556/P	355,6													10,00	14,00	6,00
SP 300/2032/P	203,2	38	89	38	32	70	10	8	114	10	84	96	Trattato *Treated* 480 / Non trattato *Not treated* 355	15,20	22,00	23,60
SP 300/2540/P	254,0													13,80	19,30	20,50
SP 300/3048/P	304,8													14,10	18,70	19,70
SP 300/3556/P	355,6													12,50	16,40	17,30
SP 300/4064/P	406,4													12,05	15,45	16,25
SP 400/2032/P	203,2	38	89	38	32	70	12	10	114	10	92	104	Trattato *Treated* 600 / Non trattato *Not treated* 440	19,80	26,60	28,20
SP 400/2540/P	254,0													18,40	23,90	25,10
SP 400/3048/P	304,8													17,20	21,80	22,80
SP 400/3556/P	355,6													17,00	20,93	22,10
SP 400/4064/P	406,4													15,90	19,30	20,10

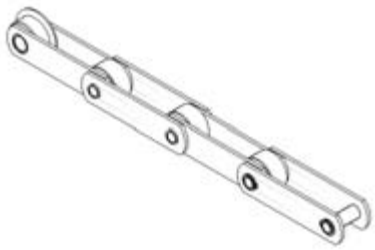
MCV
To link for passion

Serie BS 4116 perni forati
BS 4116 series hollow pins







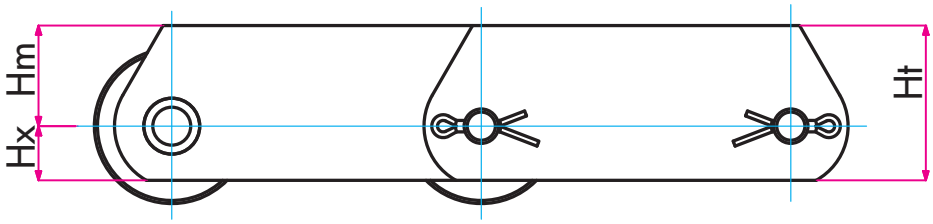


Serie BS 4116 perni forati / *BS 4116 series hollow pins*

	Dimensioni / Dimensions													Carico medio di rottura *Average breaking load*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Dfp	Hp	Si	Se	Df	F	Im	Ix		
			Type P	Type B						Type F					Type P
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
HP 27/0508/P	50,8														3,6
HP 27/0762/P	76,2														3,0
HP 27/0889/P	88,9														2,8
HP 27/1016/P	101,6	15,2	31,75	17,1	13,5	10,2	25	4	4	40	5	37	39		2,6
HP 27/1143/P	114,3														2,5
HP 27/1270/P	127,0														2,4
HP 27/1524/P	152,4														2,3
HP 55/0762/P	76,2														6,9
HP 55/0889/P	88,9														6,4
HP 55/1016/P	101,6														5,9
HP 55/1270/P	127,0	19,0	47,50	24,1	19,0	13,2	40	5	4	60	6	42	45		5,3
HP 55/1524/P	152,4														4,9
HP 55/1778/P	177,8														4,6
HP 55/2032/P	203,2														4,4
HP 110/1016/P	101,6														12,0
HP 110/1270/P	127,0														10,8
HP 110/1524/P	152,4														9,8
HP 110/1778/P	177,8	25,4	66,70	32,1	26,0	19,2	50	7	5	82	8	56	58		9,0
HP 110/2032/P	203,2														8,5
HP 110/2540/P	254,0														7,7
HP 160/1270/P	127,0														22,4
HP 160/1524/P	152,4														22,1
HP 160/1778/P	177,8														20,0
HP 160/2032/P	203,2	38,0	89,00	38,0	32,0	22,8	60	8	8	114	10	78	82		18,6
HP 160/2540/P	254,0														16,4
HP 160/3048/P	304,8														15,3
HP 160/3556/P	355,6														14,9

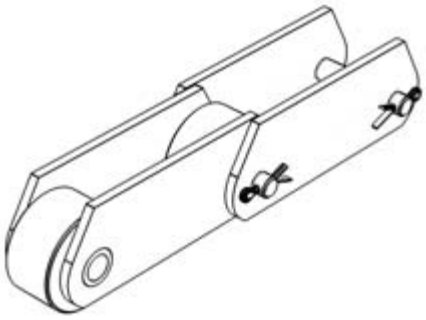
Trattato *Treated* 54
Non trattato *Not treated* 38
Trattato *Treated* 125
Non trattato *Not treated* 88
Trattato *Treated* 200
Non trattato *Not treated* 140
Trattato *Treated* 320
Non trattato *Not treated* 215

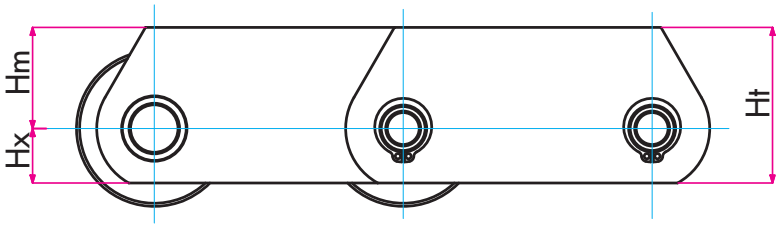
Serie BS 4116 piastre disassate
BS 4116 series deep sideplates



Perni pieni / *Solid pins*

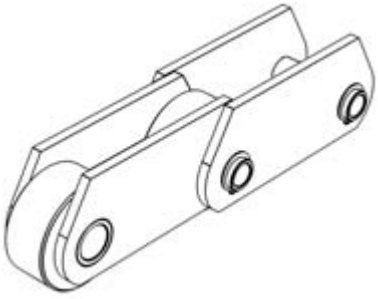
	Dimensioni / Dimensions		
	Hm	Hx	Ht
Codice/Code	mm	mm	mm
SP 043	22,5	12,5	35
SP 075	30,0	20,0	50
SP 135	45,0	25,0	70
SP 200	60,0	30,0	90
SP 300	65,0	35,0	100
SP 400	65,0	35,0	100





Perni forati / *Hollow pins*

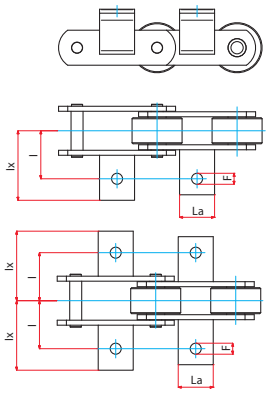
	Dimensioni / Dimensions		
	Hm	Hx	Ht
Codice/Code	mm	mm	mm
SP 027	22,5	12,5	35
SP 055	30,0	20,0	50
SP 110	45,0	25,0	70
SP 160	60,0	30,0	90



MCV
To link for passion

Tipo A1-B1 / *Type A1-B1*

Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions					Peso attacco *Weight attachement*
		Ha	La	F	I	Ix	Angolare *Angle*
	mm	mm	mm	mm	mm	mm	mm	kg/each
SP 043-HP 027	63,5	19	25	9	38	52	35x4	0,052
SP 075-HP 055	88,9	32	35	11	45	65	45x4	0,096
SP 135-HP 110	101,6	38	40	14	54	77	50x5	0,150
SP 200-HP 160	152,4	51	50	18	67	98	60x6	0,271
SP 300-SP 400	203,2	51	50	18	67	98	60x8	0,354

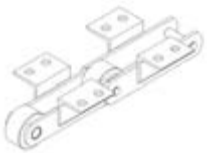


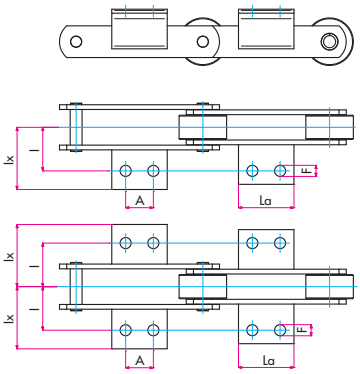
TYPE A1

TYPE B1

Tipo A2-B2 corto / *Type A2-B2 short*

Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions						Peso attacco *Weight attachement*
		Ha	La	A	F	I	Ix	Angolare *Angle*
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
SP 043-HP 027	76,2	19	40	25	9	38	52	35x4	0,084
SP 075-HP 055	101,6	32	50	30	11	45	65	45x4	0,137
SP 135-HP 110	152,4	38	80	50	14	54	77	50x5	0,301
SP 200-HP 160	177,8	51	100	65	18	67	98	60x6	0,542
SP 300-SP 400	203,2	51	100	65	18	67	98	60x8	0,709





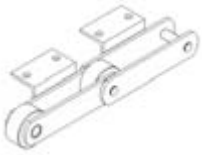
TYPE A2C

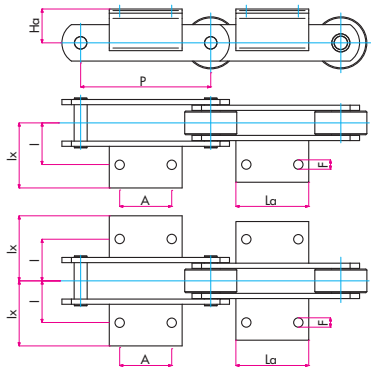
TYPE B2C

Tipo A2-B2 medio / *Type A2-B2 medium*

Codice/Code	Passo minimo di applicabilità *Minimum applicable pitch*	Dimensioni / Dimensions						Peso attacco *Weight attachement*
		Ha	La	A	F	I	Ix	Angolare *Angle*
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
SP 043-HP 027	170,0	19	80	50	9	38	52	35x4	0,167
SP 075-HP 055	152,4	32	90	65	11	45	65	45x4	0,246
SP 135-HP 110	203,2	38	120	85	14	54	77	50x5	0,452
SP 200-HP 160	254,0	51	140	100	18	67	98	60x6	0,768
SP 300-SP 400	254,0	51	140	100	18	67	98	60x8	0,992

N.B.: A richiesta gli attacchi possono essere forniti in un pezzo unico piegato.
NOTE: On request the attachments can be supplied in one single bent piece.



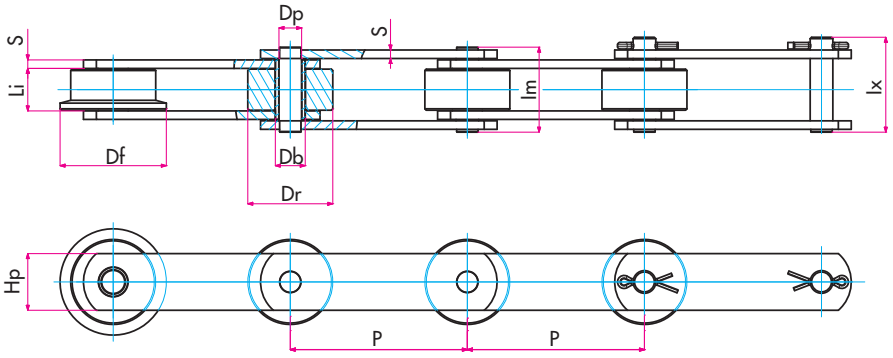


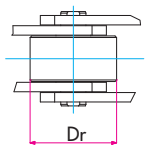
TYPE A2M

TYPE B2M

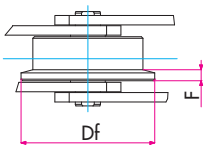
Standard d'officina perni pieni
Workshop standard solid pins

Mechanical Chains
CONVEYOR CHAINS

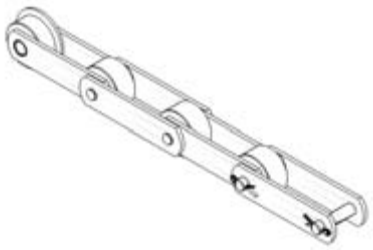




Type P
Large plain roller



Type F
Flanged roller



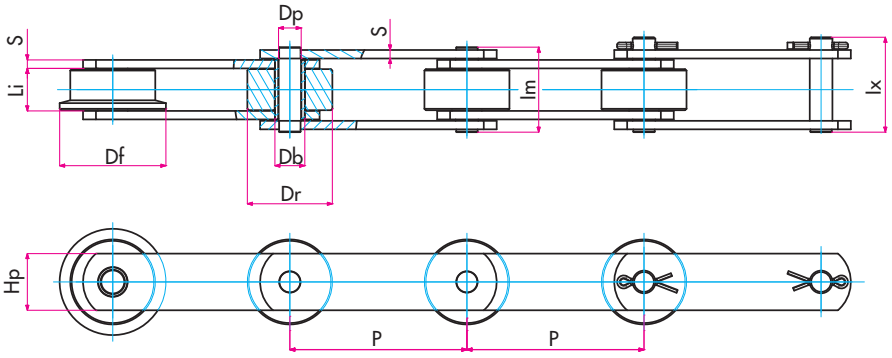
Codice/Code	Dimensioni / Dimensions P	Li	Dr	Db	Dp	Hp	S	Df	F	Im	Ix	Carico minimo di rottura *Minimum breaking load*	Peso al metro *Weight per meter*
			Type P						Type F				Type P
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
SP 32/050/P*	50	15	31	13,5	10	25	3	40	4	33	38	32	2,70
SP 32/075/P	75												2,10
SP 32/100/P	100												1,80
SP 32/125/P	125												1,50
SP 32/150/P	150												1,20
SP 45/050/P	50	15	31	13,5	10	25	4	40	4	37	43	45	3,40
SP 45/075/P	75												3,00
SP 45/100/P	100												2,70
SP 45/125/P	125												2,60
SP 45/150/P	150												2,40
SP 45/200/P	200												2,20
SP 50/075/P	75	18	38	13,5	10	30	4	45	4,5	40	44	50	3,40
SP 50/100/P	100												3,00
SP 50/125/P	125												2,60
SP 50/150/P	150												2,40
SP 50/200/P	200												2,10
SP 78/075/P	75	22	40	16	12	35	4	48	5	44	49	78	5,80
SP 78/100/P	100												4,85
SP 78/125/P	125												4,30
SP 78/150/P	150												4,00
SP 78/200/P	200												3,50

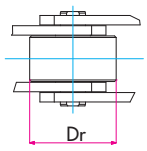
* Fornita con piastre sagomate da mm 23 x 3.
Supplied with shaped sideplates of mm 23 x 3.

MCV
To link for passion

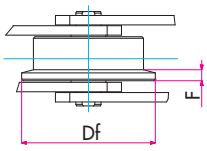
Catene Meccaniche
CATENE TRASPORTO

Standard d'officina perni pieni
Workshop standard solid pins

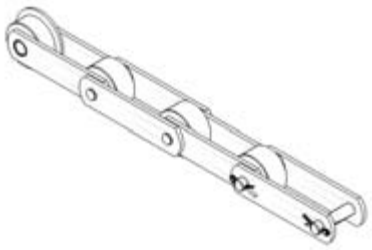




Type P
Large plain roller



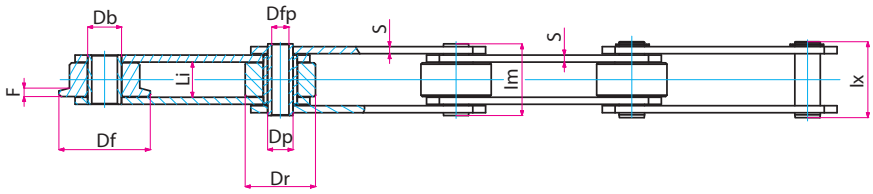
Type F
Flanged roller

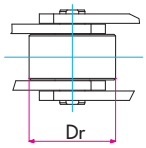


Codice/Code	Dimensioni / Dimensions											Carico minimo di rottura *Minimum breaking load*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Hp	S	Df	F	Im	Ix		
			Type P						Type F				Type P
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
SP 084/100/P	100	25	45	20	14	35	5	55	5,0	51	57	84	5,00
SP 084/125/P	125												3,80
SP 084/150/P	150												3,80
SP 084/200/P	200												3,30
SP 100/100/P	100	25	50	20	14	40	5	65	6,0	51	57	100	6,30
SP 100/125/P	125												5,60
SP 100/150/P	150												5,10
SP 100/200/P	200												4,30
SP 137/100/P	100	30	60	21	16	40	6	75	7,0	61	69	137	9,40
SP 137/125/P	125												8,15
SP 137/150/P	150												7,10
SP 137/200/P	200												6,30
SP 175/125/P	125	35	65	24	18	50	6	80	8,0	66	75	175	11,00
SP 175/150/P	150												10,00
SP 175/200/P	200												8,60
SP 175/250/P	250												7,30
SP 190/150/P	150	40	70	30	20	50	8	90	8,5	80	88	190	14,00
SP 190/200/P	200												12,30
SP 190/250/P	250												11,20
SP 190/300/P	300												10,00
SP 270/150/P	150	45	80	32	22	60	10	100	10,0	92	104	270	23,00
SP 270/200/P	200												21,00
SP 270/250/P	250												17,00
SP 270/300/P	300												15,10
SP 270/350/P	350												14,00

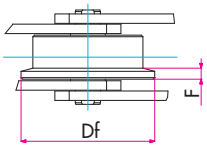
Standard d'officina perni forati
Workshop standard hollow pins

Mechanical Chains
CONVEYOR CHAINS

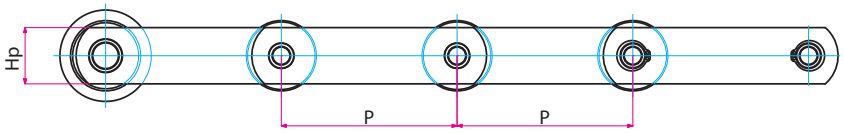


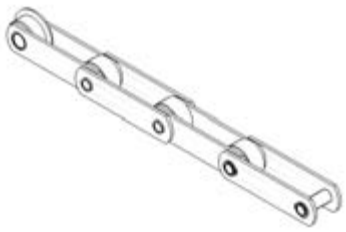


Type P
Large plain roller



Type F
Flanged roller



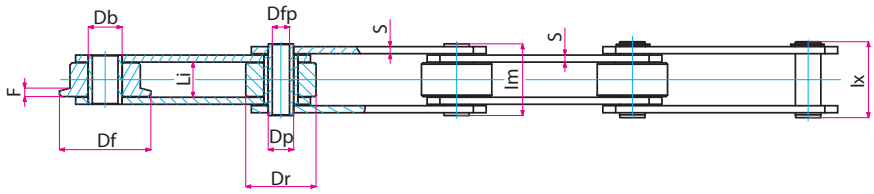


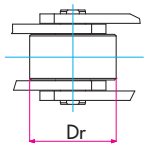
	Dimensioni / Dimensions												Carico minimo di rottura *Minimum breaking load*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Dfp	Hp	S	Df	F	Im	Ix		
	Type P								Type F					Type P
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
HP 24/050/P	50	15	31	17	13,5	10,2	25	3	40	4,0	33	35	24	2,60
HP 24/075/P	75													2,00
HP 24/100/P	100													1,70
HP 24/125/P	125													1,35
HP 24/150/P	150													1,15
HP 40/050/P	50	15	31	17	13,5	10,2	25	4	40	4,0	37	40	40	3,00
HP 40/075/P	75													2,80
HP 40/100/P	100													2,40
HP 40/125/P	125													2,20
HP 40/150/P	150													2,10
HP 40/200/P	200													2,00
HP 42/075/P	75	18	38	17	13,5	10,2	30	4	45	4,5	40	43	42	3,30
HP 42/100/P	100													2,80
HP 42/125/P	125													2,50
HP 42/150/P	150													2,30
HP 42/200/P	200													2,00
HP 50/075/P	75	22	40	21	16	12,2	35	4	48	5,0	44	47	50	5,60
HP 50/100/P	100													4,60
HP 50/125/P	125													4,20
HP 50/150/P	150													3,80
HP 50/200/P	200													3,30

MCV
To link for passion

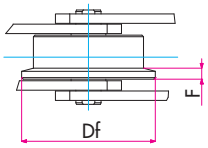
Catene Meccaniche
CATENE TRASPORTO

Standard d'officina perni forati
Workshop standard hollow pins

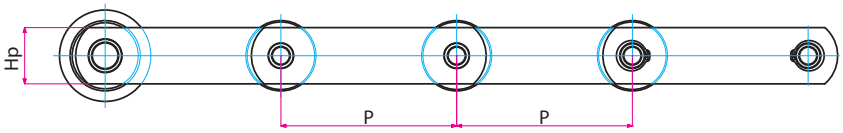


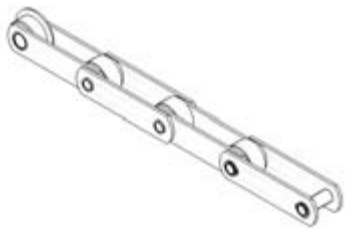


Type P
Large plain roller



Type F
Flanged roller

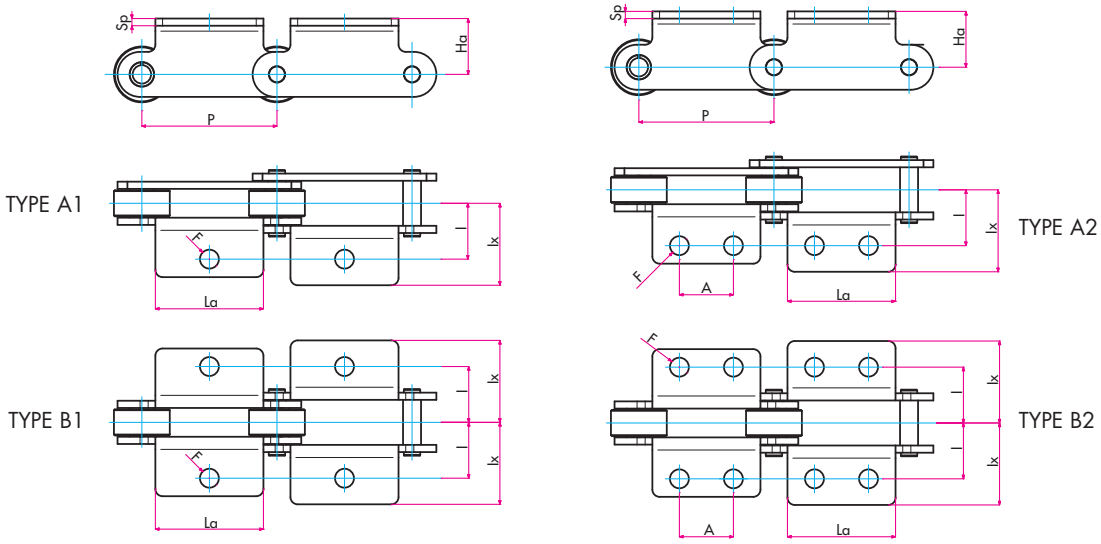




Codice/Code	Dimensioni / Dimensions												Carico minimo di rottura *Minimum breaking load*	Peso al metro *Weight per meter*
	P	Li	Dr	Db	Dp	Dfp	Hp	S	Df	F	Im	Ix		
	Type P								Type F					Type P
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg/m
HP 54/100/P	100	25	45	21,0	16	11,2	35	5	55	5,0	51	54	54	4,70
HP 54/125/P	125													4,00
HP 54/150/P	150													3,50
HP 54/200/P	200													3,00
HP 57/100/P	100	25	50	24,0	18	12,2	40	5	65	6,0	51	54	57	5,90
HP 57/125/P	125													5,20
HP 57/150/P	150													4,70
HP 57/200/P	200													3,90
HP 60/100/P	100	30	60	29,0	22	16,2	40	6	75	7,0	60	63	60	9,00
HP 60/125/P	125													7,80
HP 60/150/P	150													6,60
HP 60/200/P	200													5,85
HP 98/125/P	125	35	65	32,0	24	18,2	50	6	80	8,0	65	68	98	10,00
HP 98/150/P	150													9,00
HP 98/200/P	200													7,50
HP 98/250/P	250													6,20
HP 113/150/P	150	40	70	34,5	26	20,2	50	8	90	8,5	80	84	113	12,20
HP 113/200/P	200													11,00
HP 113/250/P	250													9,80
HP 113/300/P	300													8,30
HP 161/150/P	150	45	80	38,0	30	22,2	60	10 *(8)	100	10	88	92	161	21,00
HP 161/200/P	200													19,00
HP 161/250/P	250													17,00
HP 161/300/P	300													13,00
HP 161/350/P	350													11,80

* Catena fornita con piastre interne da 10 mm ed esterne da 8 mm.
Chain supplied with inner plates of 10 mm and outer plates of 8 mm.

Attacchi piegati standard d'officina
Bent attachments workshop standard

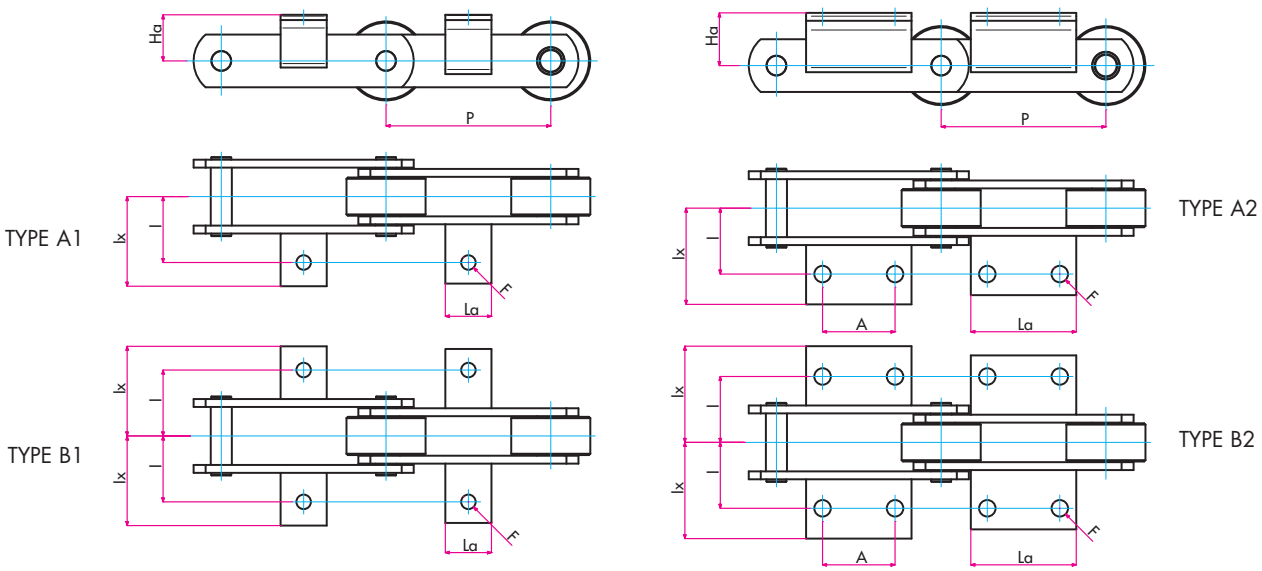


	Dimensioni / Dimensions							
	Passo *Pitch*	Ha	La	A	F	Sp	I	Ix
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm
SP 32/050/P - HP 24/050/P	50	16/30/35	45 (60)	25	10,5	3	31	50
SP 32/075/P - HP 24/075/P	75	31	60	30	10,5	3	31	50
SP 32/100/P - HP 24/100/P	100	31	70	35	10,5	3	31	50
SP 32/125/P - HP 24/125/P	125	31	80	40	10,5	3	31	50
SP 32/150/P - HP 24/150/P	150	31	115	50	10,5	3	31	50
SP 45/050/P - HP 40/050/P	50	16/30/35	45 (60)	25	10,5	4	31	50
SP 45/075/P - HP 40/075/P	75	31	60	30	10,5	4	31	50
SP 45/100/P - HP 40/100/P	100	31/35	70	35	10,5	4	31	50
SP 45/125/P - HP 40/125/P	125	31	80	40	10,5	4	31	50
SP 45/150/P - HP 40/150/P	150	31	115	50	10,5	4	31	50
SP 45/200/P - HP 40/200/P	200	31	120	60	10,5	4	31	50
SP 50/075/P - HP 42/075/P	75	31	60	30	10,5	4	31	55
SP 50/100/P - HP 42/100/P	100	31	65	35	10,5	4	31	55
SP 50/125/P - HP 42/125/P	125	31	70	40	10,5	4	31	55
SP 50/150/P - HP 42/150/P	150	31	75	50	10,5	4	31	55
SP 50/200/P - HP 42/200/P	200	31	80	60	10,5	4	31	55
SP 78/075/P - HP 50/075/P	75	26	50	30	10,5	4	38	55
SP 78/100/P - HP 50/100/P	100	26	70	35	10,5	4	38	55
SP 78/125/P - HP 50/125/P	125	26	80	40	10,5	4	38	55
SP 78/150/P - HP 50/150/P	150	26	90	50	10,5	4	38	55
SP 78/200/P - HP 50/200/P	200	26	90	50	10,5	4	38	55

N.B.: A richiesta gli attacchi possono essere forniti saldati.
NOTE: On request the attachments can be supplied welded.

MCV
To link for passion

Attacchi saldati standard d'officina
Welded attachments workshop standard



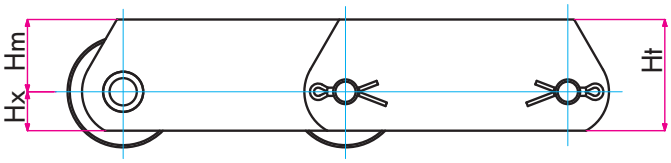
Codice/Code	Dimensioni / Dimensions								Peso attacco *Weight attachement*
	Passo *Pitch*	Ha	La	A	F	I	Ix	Angolare *Angle*	
	mm	mm	mm	mm	mm	mm	mm	mm	kg/each
SP 084/100/P - HP 054/100/P	100	26	70	35	10,5	38	60	35 x 5	0,180
SP 084/125/P - HP 054/125/P	125	26	80	40	10,5	38	60		0,205
SP 084/150/P - HP 054/150/P	150	26	90	50	10,5	38	60		0,231
SP 084/200/P - HP 054/200/P	200	26	90	50	10,5	38	60		0,231
SP 100/100/P - HP 057/100/P	100	40	70	35	12,5	50	70	45 x 5	0,236
SP 100/125/P - HP 057/125/P	125	40	70	35	12,5	50	70		0,236
SP 100/150/P - HP 057/150/P	150	40	80	55	12,5	50	70		0,270
SP 100/200/P - HP 057/200/P	200	40	100	60	12,5	50	70		0,338
SP 137/100/P - HP 060/100/P	100	40	70	35	12,5	50	75	45 x 6	0,280
SP 137/125/P - HP 060/125/P	125	40	70	35	12,5	50	75		0,280
SP 137/150/P - HP 060/150/P	150	40	80	55	12,5	50	75		0,320
SP 137/200/P - HP 060/200/P	200	40	100	60	12,5	50	75		0,400
SP 175/125/P - HP 098/125/P	125	45	70	35	14,5	55	80	50 x 6	0,313
SP 175/150/P - HP 098/150/P	150	45	80	55	14,5	55	80		0,357
SP 175/200/P - HP 098/200/P	200	45	100	60	14,5	55	80		0,447
SP 175/250/P - HP 098/250/P	250	45	120	80	14,5	55	80		0,536
SP 190/150/P - HP 113/150/P	150	45	80	50	14,5	65	90	50 x 7	0,412
SP 190/200/P - HP 113/200/P	200	45	100	60	14,5	65	90		0,515
SP 190/250/P - HP 113/250/P	250	45	120	80	14,5	65	90		0,618
SP 190/300/P - HP 113/300/P	300	45	120	80	14,5	65	90		0,618
SP 270/150/P - HP 161/150/P	150	50	80	50	14,5	70	105	60 x 8	0,567
SP 270/200/P - HP 161/200/P	200	50	100	60	14,5	70	105		0,709
SP 270/250/P - HP 161/250/P	250	50	120	80	14,5	70	105		0,850
SP 270/300/P - HP 161/300/P	300	50	120	80	14,5	70	105		0,850
SP 270/350/P - HP 161/350/P	350	50	120	80	14,5	70	105		0,850

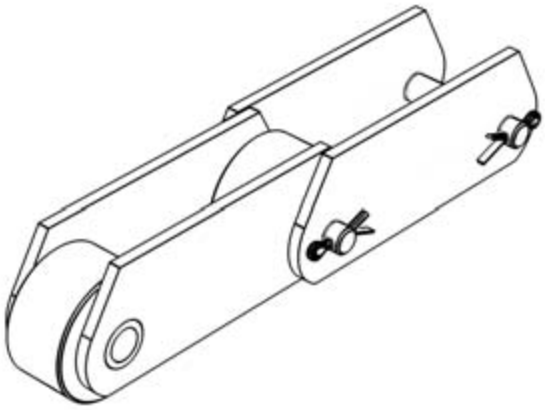
N.B.: A richiesta gli attacchi possono essere forniti in un pezzo unico piegato.
NOTE: On request the attachments can be supplied in one single bent piece.

Standard d'officina piastre disassate
Workshop standard deep sideplates

Perni pieni / *Solid pins*

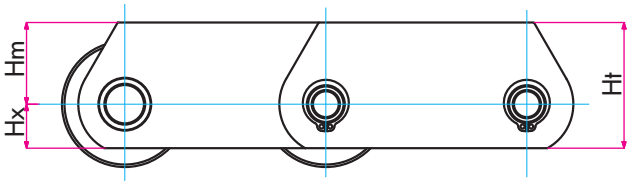
	Dimensioni / Dimensions		
	Hm	Hx	Ht
Codice/Code	mm	mm	mm
SP 032	17,5	12,5	30
SP 045	17,5	12,5	30
SP 050	25,0	15,0	40
SP 078	32,5	17,5	50
SP 084	32,5	17,5	50
SP 100	40,0	20,0	60
SP 137	40,0	20,0	60
SP 175	45,0	25,0	70
SP 190	45,0	25,0	70
SP 270	60,0	30,0	90

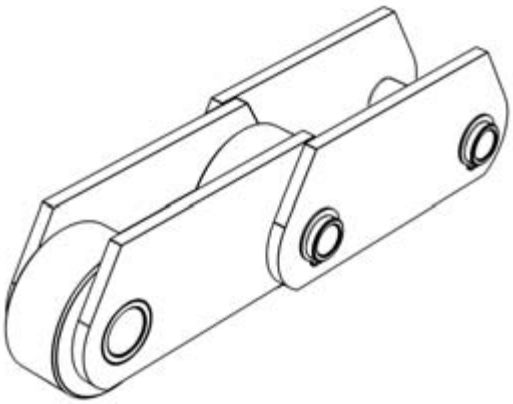




Perni forati / *Hollow pins*

	Dimensioni / Dimensions		
	Hm	Hx	Ht
Codice/Code	mm	mm	mm
HP 024	17,5	12,5	30
HP 040	17,5	12,5	30
HP 042	25,0	15,0	40
HP 050	32,5	17,5	50
HP 054	32,5	17,5	50
HP 057	35,0	20,0	55
HP 060	35,0	20,0	55
HP 089	45,0	25,0	70
HP 113	45,0	25,0	70
HP 161	60,0	30,0	90

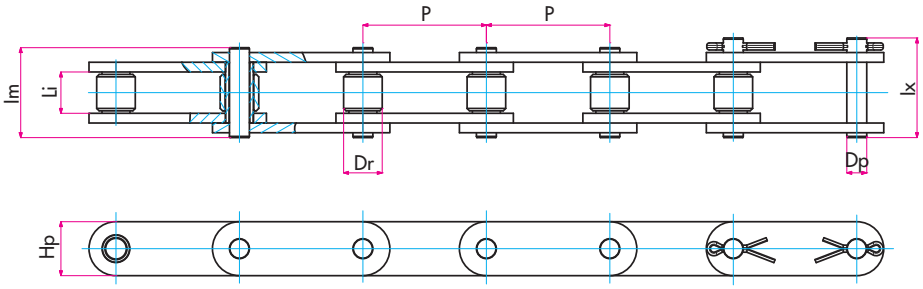




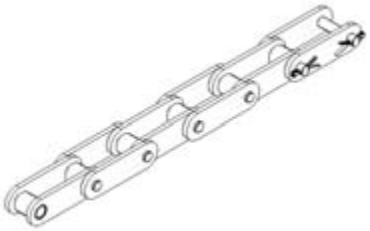
To link for passion

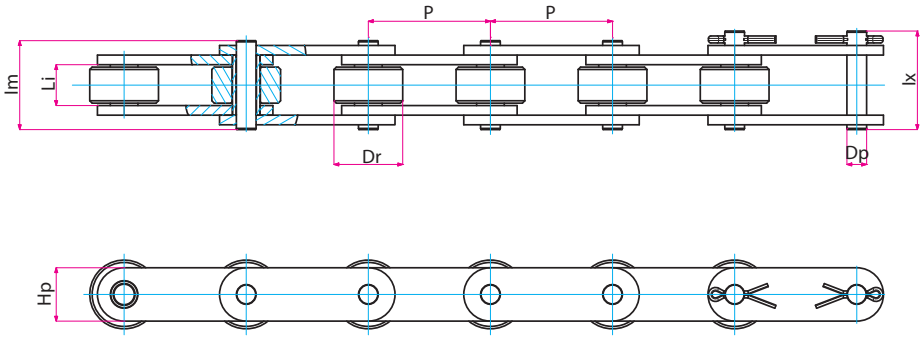
Catene Meccaniche
CATENE TRASPORTO

Serie ANSI B29-4M passo doppio
ANSI B29-4M series double pitch

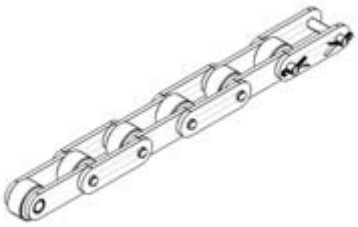


TYPE S: RULLI PICCOLI - *SMALL ROLLERS*





TYPE P: RULLI GRANDI - *LARGE ROLLERS*



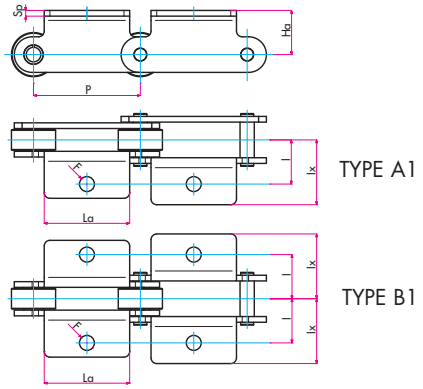
Serie ANSI B29-4M / *ANSI B29-4M series*

Codice/Code	Stile *Style*	Dimensioni / Dimensions							Carico medio di rottura *Average breaking load*	Peso al metro *Weight per meter*
		P	Li	Dr	Dp	Hp	Im	Ix		
		mm	mm	mm	mm	mm	mm	mm	kN	kg/m
C 2080	S	50,80	15,88	15,88 (S)	8,20	22,2	37	42	66	2,40
C 2082	P	50,80	15,88	28,58 (P)	8,20	22,2	37	42	66	3,40
C 2100	S	63,50	19,05	19,05 (S)	9,53	30,0	45	50	105	3,70
C 2102	P	63,50	19,05	39,67 (P)	9,53	30,0	45	50	105	5,90
C 2120	S	76,20	25,40	22,23 (S)	11,10	35,0	52	56	154	5,35
C 2122	P	76,20	25,40	44,45 (P)	11,10	35,0	52	56	154	8,50
C 2160	S	101,60	31,75	28,58 (S)	14,27	47,0	62	68	240	8,00
C 2162	P	101,60	31,75	57,15 (P)	14,27	47,0	62	68	240	12,00

Attacchi serie ANSI B29-4M passo doppio
Attachments ANSI B29-4M series double pitch

Tipo A1-B1 / *Type A1-B1*

	Dimensioni / Dimensions							
	P	Ha	La	F	Sp	Sp1	I	Ix
Codice/Code	mm	mm	mm	mm	mm	mm	mm	mm
C 2080	50,8	19,0	38	6,8	4	4	27,8	39,3
C 2082	50,8	19,0	38	6,8	4	4	27,8	39,3
C 2100	63,5	23,4	45	8,8	5	5	33,3	49,2
C 2102	63,5	23,4	45	8,8	5	5	33,3	49,2
C 2120	76,2	27,8	57	11,0	5	5	39,7	59,2
C 2122	76,2	27,8	57	11,0	5	5	39,7	59,2
C 2160	101,6	36,5	82	14,0	6	6	52,4	78,0
C 2162	101,6	36,5	82	14,0	6	6	52,4	78,0

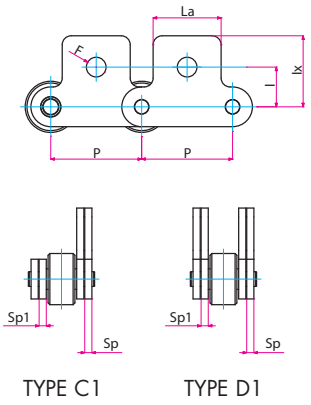


TYPE A1

TYPE B1

Tipo C1-D1 / *Type C1-D1*

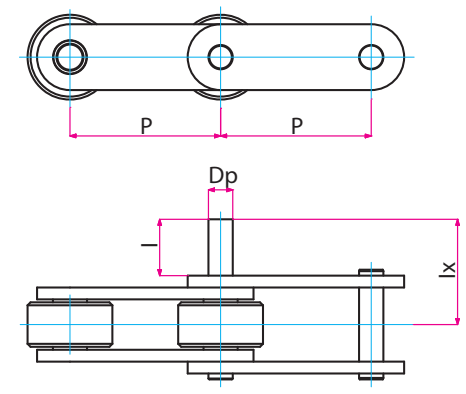
	Dimensioni / Dimensions						
	P	La	F	Sp	Sp1	I	Ix
Codice/Code	mm	mm	mm	mm	mm	mm	mm
C 2080	50,8	38	11,0	4	4	22,2	39,7
C 2082	50,8	38	11,0	4	4	22,2	39,7
C 2100	63,5	45	13,1	5	5	28,6	50,0
C 2102	63,5	45	13,1	5	5	28,6	50,0
C 2120	76,2	57	15,0	5	5	33,3	59,0
C 2122	76,2	57	15,0	5	5	33,3	59,0
C 2160	101,6	82	20,0	6	6	44,5	76,5
C 2162	101,6	82	20,0	6	6	44,5	76,5



TYPE C1 TYPE D1

Tipo Ps / Ps *Type*

	Dimensioni / Dimensions			
	P	Dp	I	Ix
Codice/Code	mm	mm	mm	mm
C 2080	50,8	8,20	19,0	35,3
C 2082	50,8	8,20	19,0	35,3
C 2100	63,5	9,53	23,8	43,4
C 2102	63,5	9,53	23,8	43,4
C 2120	76,2	11,10	28,6	52,4
C 2122	76,2	11,10	28,6	52,4
C 2160	101,6	14,27	38,1	97,5
C 2162	101,6	14,27	38,1	97,5

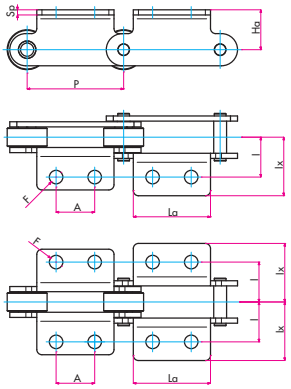


MCV
To link for passion

Attacchi serie ANSI B29-4M passo doppio
Attachments ANSI B29-4M series double pitch

Tipo A2-B2 / *Type A2-B2*

Codice/Code	Dimensioni / Dimensions								
	P	Ha	La	F	Sp	Sp1	I	Ix	A
	mm	mm	mm	mm	mm	mm	mm	mm	mm
C 2080	50,8	19,0	38	6,8	4	4	27,8	39,3	19,0
C 2082	50,8	19,0	38	6,8	4	4	27,8	39,3	19,0
C 2100	63,5	23,4	45	8,8	5	5	33,3	49,2	23,8
C 2102	63,5	23,4	45	8,8	5	5	33,3	49,2	23,8
C 2120	76,2	27,8	57	11,0	5	5	39,7	59,2	28,6
C 2122	76,2	27,8	57	11,0	5	5	39,7	59,2	28,6
C 2160	101,6	36,5	82	14,0	6	6	52,4	78,0	38,1
C 2162	101,6	36,5	82	14,0	6	6	52,4	78,0	38,1

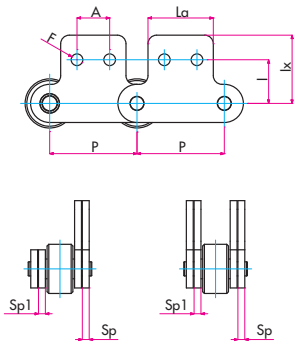


TYPE A2

TYPE B2

Tipo C2-D2 / *Type C2-D2*

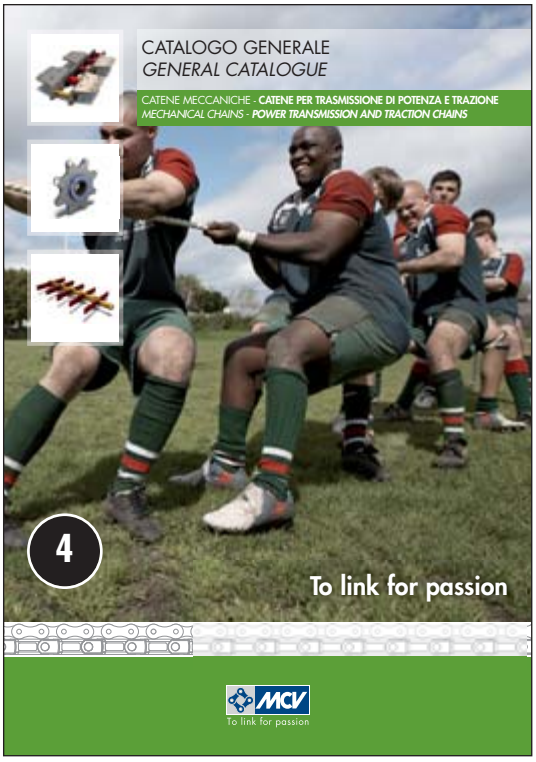
Codice/Code	Dimensioni / Dimensions							
	P	La	F	Sp	Sp1	I	Ix	A
	mm	mm	mm	mm	mm	mm	mm	mm
C 2080	50,8	38	6,8	4	4	25,4	39,7	19,0
C 2082	50,8	38	6,8	4	4	25,4	39,7	19,0
C 2100	63,5	45	8,6	5	5	31,8	50,0	23,8
C 2102	63,5	45	8,6	5	5	31,8	50,0	23,8
C 2120	76,2	57	11,0	5	5	37,3	59,0	28,6
C 2122	76,2	57	11,0	5	5	37,3	59,0	28,6
C 2160	101,6	82	20,0	6	6	50,8	76,5	38,1
C 2162	101,6	82	20,0	6	6	50,8	76,5	38,1



TYPE C2 TYPE D2

MCV
To link for passion

Altri prodotti MCV
Other MCV products



1
CATENE MECCANICHE
CATENE TRASPORTO
MECHANICAL CHAINS
CONVEYOR CHAINS

2
CATENE MAGLIE STAMPATE
CATENE RASCHIANTI
A MAGLIE STAMPATE
CHAINS FORGED LINKS
SCRAPER CHAINS FORGED LINKS

CATENE MECCANICHE
CATENE RASCHIANTI
A PIASTRE DIRITTE
MECHANICAL CHAINS
SCRAPER CHAINS STRAIGHT SIDEPLATES

3
CATENE MECCANICHE
CATENE SPECIALI
MECHANICAL CHAINS
SPECIAL CHAINS

4
CATENE MECCANICHE
CATENE PER TRASMISSIONE
DI POTENZA E TRAZIONE
MECHANICAL CHAINS
POWER TRANSMISSION AND
TRACTION CHAINS

MCV
To link for passion

Unità produttiva di Viganò Brianza
Production unit of Viganò Brianza

Unità produttiva di Missaglia
Production unit of Missaglia

MCV
To link for passion

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