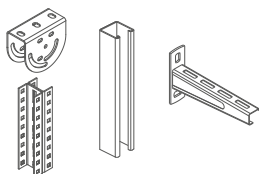


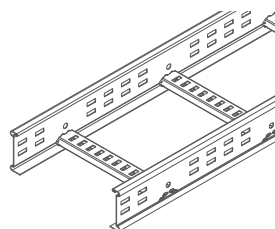
CATALOGO PRODOTTI STANDARD

STANDARD PRODUCT CATALOGUE



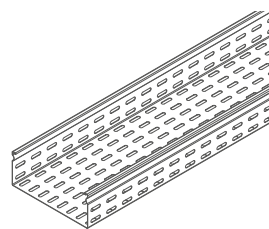
**ELEMENTI DI
SOSPENSIONE**

*SUPPORT
ELEMENTS*



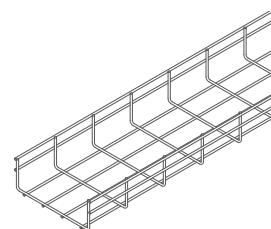
**PASSERELLE
A TRAVERSINI**

*LADDER
TRAYS*



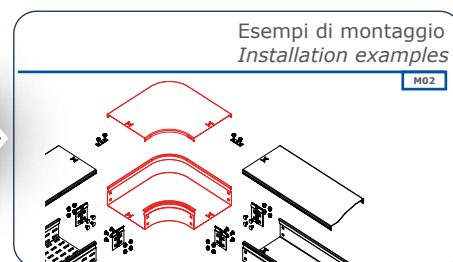
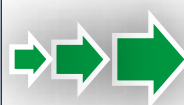
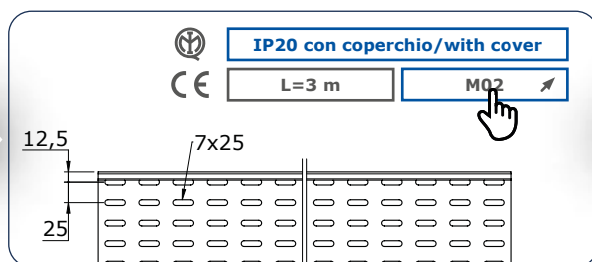
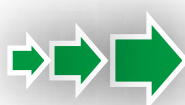
**CANALI
PORTACAVI**

*CABLE
TRAYS*



**PASSERELLE
A RETE**

*MESH
TRAYS*



FEMI-CZ
Catalogo prodotti standard / *Standard product catalogue*
Rev. 01
04/2024

CATALOGO
PRODOTTI STANDARD
STANDARD
PRODUCT CATALOGUE

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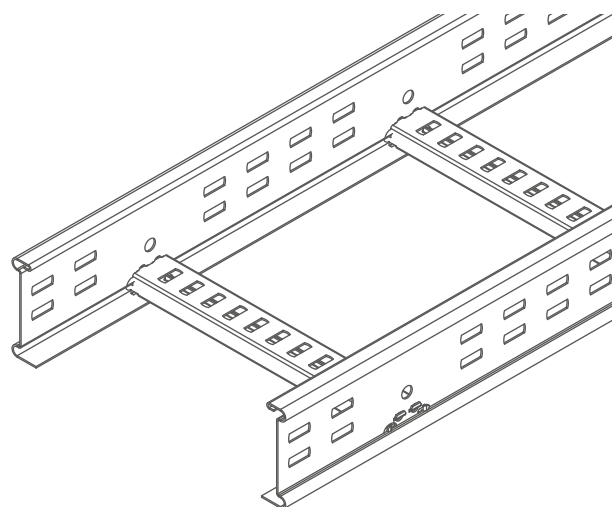
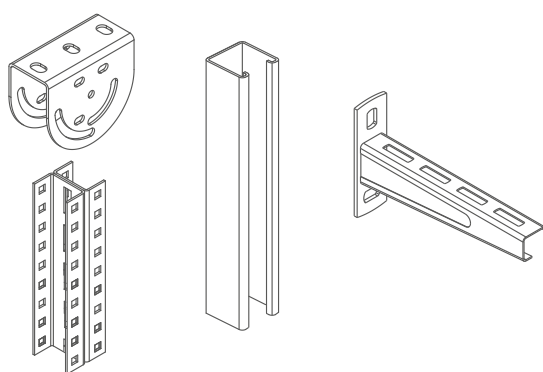
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INTRODUZIONE GENERALE

GENERAL INTRODUCTION



ELEMENTI DI SOSPENSIONE

Famiglia dei prodotti per i vari sistemi di sospensione, comprendente: profili speciali, supporti, mensole, accessori di fissaggio e la viteria. Quasi tutti gli articoli sono in pronta consegna.

SUPPORT ELEMENTS

Family of products for the various support systems which includes: special channels, supports, brackets, fastening accessories, bolts and nuts. Almost all the items are for immediate delivery.



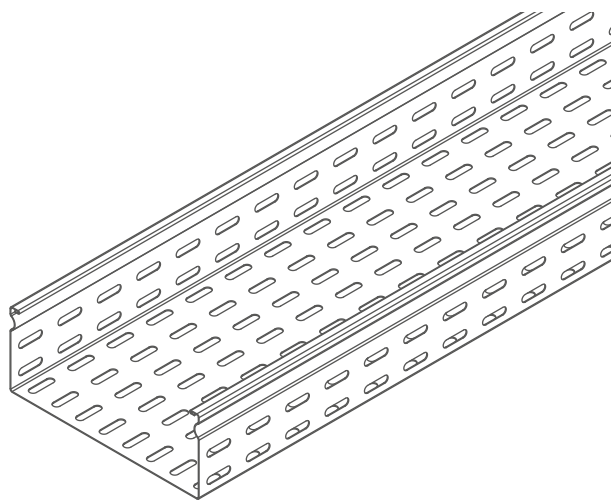
PASSERELLE A TRAVERSINI

Realizzate in tre diversi modelli (CZ2, RD2, HP2) possono essere assemblate attraverso bullonatura, saldatura e graffatura meccanica (solo HP2). Disponibili anche a magazzino.

LADDER TRAYS

Produced in three different types (CZ2, RD2, HP2) they can be assembled through bolting, welding and mechanical clinching (only HP2 series). Also available in stock.



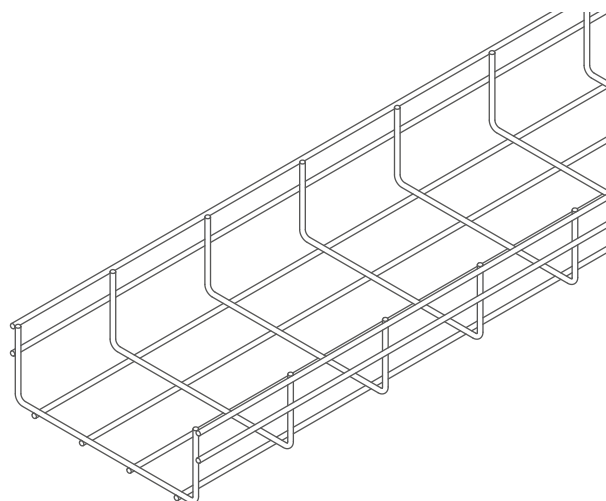


PASSERELLE PORTACAVI STANDARD

Prodotte in versione forata o chiusa, a bordo antitaglio nervato e rinforzato, complete di tutti gli accessori (curve, derivazioni, ecc.). Disponibili a magazzino, in pronta consegna.

STANDARD CABLE TRAYS

Produced in closed or perforated version, with cut-preventing, ribbed and strengthened rim, complete with all the accessories (bends, derivations, etc.). Available in stock for immediate delivery.



PASSERELLE A RETE

Dette anche "passerelle a filo": grande leggerezza, praticità, ventilazione dei cavi. Necessitano di pochi accessori per essere adattate a ogni percorso cavi. Disponibili a magazzino, in pronta consegna.

MESH TRAYS

Also named "wire cable trays": great lightness, practicality, cable ventilation. Necessity of very few accessories in order to be adapted to every cable route. Available in stock for immediate delivery.



Introduzione

Il nostro impegno per qualità e competitività

Il nostro proponimento è di dover perseguire, al più alto livello, i fattori di qualità, puntualità e servizio al cliente e contemporaneamente di competitività vincente. Al centro della strategia aziendale, abbiamo posto l'obiettivo del miglioramento della qualità e dell'affidabilità del prodotto; la nostra direzione punta anche verso la riduzione dei tempi di risposta dell'ufficio tecnico-commerciale e una sempre più accurata pianificazione della produzione al fine di accorciare i tempi di evasione degli ordini e rendere apprezzabile la nostra peculiarità di azienda super-flessibile.

Economia ed affidabilità

L'attrezzatura necessaria per il montaggio è davvero minima. I componenti sono semplici e facili da installare anche da personale poco specializzato; se impiegati a regola d'arte, l'installazione risulta rapida e affidabile. Il grande vantaggio dei sistemi componibili rimane la possibilità di implementare e/o modificare le scelte già fatte, di smontare e riutilizzare (se non compromessi) i componenti già usati.

Introduction

Our commitment for quality and competitiveness

Our intention is to have to pursue, at the highest level, the factors of quality, punctuality and service to the customer and at the same time of winning competitiveness. We have put the target to improve quality and reliability of the product at the centre of our company strategy; our direction also aims at reducing the times of reply of the technical-commercial office and at an always more careful production planning in order to reduce the order delivery times and to make our peculiarity of super-flexible company appreciable.

Cheapness and reliability

The equipment necessary for the installation is really minimum. The components are simple and easy to install even by not much specialized personnel; if perfectly used, the installation is fast and reliable. The great advantage of the modular systems remains the possibility to implement and/or change the choices already made, to dismantle and to reuse (if not damaged) the components already used.

Certificazioni

Le attività nei delicati ambiti dell’ambiente e della sicurezza sul lavoro, cruciali nella visione di sostenibilità di FEMI-CZ, trovano coordinamento e indirizzo nel sistema di gestione integrato di Qualità, Ambiente e Sicurezza sul lavoro, che ha ottenuto le certificazioni **ISO 9001**, **ISO 14001** e **ISO 45001**. L’impegno di FEMI-CZ rivolto al costante miglioramento della qualità è riconfermato dalla certificazione di prodotto secondo lo standard internazionale IEC 61537, da parte dell’ente IMQ, per tutte le serie di prodotti FEMI-CZ; questo risultato è un primato sul territorio nazionale.

Il raggiungimento della certificazione americana **NEMA VE-1** per molti dei nostri prodotti, ci permette la progettazione di soluzioni portacavi anche in ambito estero e nuovi mercati internazionali. Ultimo ma non meno importante è il raggiungimento della certificazione secondo la norma tedesca DIN 1402-12 per alcuni dei nostri prodotti, che garantisce l’integrità funzionale dei sistemi portacavi in caso di incendio. La rispondenza ai requisiti di tutte queste certificazioni testimonia la ricerca di un miglioramento continuo, che garantisce coerenza con gli impegni nelle politiche aziendali di FEMI-CZ.



UNI EN ISO 9001:2015



UNI EN ISO 14001:2015



UNI ISO 45001:2018

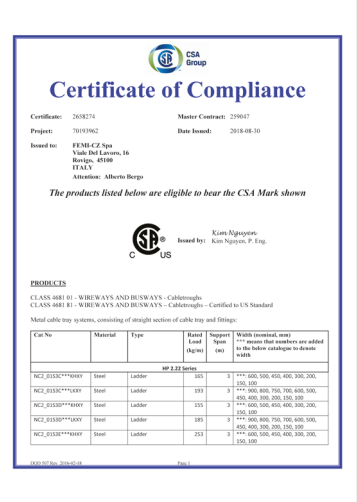
Certifications

The activities in the delicate areas of the environment and safety at work, crucial in FEMI-CZ's vision of sustainability, find coordination and direction in the integrated management system of Quality, Environment and Safety at work, which has obtained **ISO 9001**, **ISO 14001** and **ISO 45001** certifications. FEMI-CZ's commitment to constant quality improvement is reconfirmed by the product certification according to the IEC 61537 international standard, by the IMQ body, for all FEMI-CZ product series; this result is a record on the national territory.

The achievement of the **NEMA VE-1** American certification for many of our products allows us to design cable tray solutions also abroad and in new international markets. Last but not least is the achievement of the certification according to the DIN 1402-12 German standard for some of our products, which guarantees the functional integrity of the cable tray systems in the event of fire. Compliance with the requirements of all these certifications testifies to the search for continuous improvement, which guarantees consistency with the commitments in FEMI-CZ's corporate policies.



IEC 61537



NEMA VE-1



TEST REPORT

Materiali e trattamenti superficiali

I sistemi portacavi metallici prodotti in serie da FEMI-CZ sono realizzati in acciaio al carbonio, acciaio INOX e lega di alluminio. Sono rifiniti con diversi trattamenti superficiali di protezione anticorrosiva.

Materiali grezzi e/o pre-trattati

Sigla identificativa	Materiali	Dettagli
H	Acciaio al carbonio	DC01 UNI EN 10130 (S<1,5mm) DC01 UNI EN 10111 (S≥1,5mm)
S	Acciaio al carbonio zincato Sendzimir	DX51D (Z200/Z140/Z100) UNI EN 10346
I	Acciaio inox AISI 304 (o AISI 304L)	-
Y	Acciaio inox AISI 316L	-
A	Lega di alluminio	-

Trattamenti e/o materiali trattati

Sigla identificativa	Trattamenti	Dettagli
V	Acciaio zincato Sendzimir verniciato RAL 5012	DC01 UNI EN 10130 (S<1,5mm) DC01 UNI EN 10111 (S≥1,5mm)
T	Acciaio zincato Sendzimir verniciato RAL ____	DX51D (Z200/Z140/Z100) UNI EN 10346
E	Acciaio al carbonio zincato elettrolitico bianco EN ISO 2081	DC01 (S<1,5mm) o DD11 (S≥1,5mm)
Z	Acciaio al carbonio zincato a caldo dopo lavorazione EN ISO 1461	DC01 (S<1,5mm) o DD11 (S≥1,5mm)
Q	Zincatura a caldo dopo lavorazione su acciaio S235J2 cl. 3	Arricchito di silicio (80 µm)
F	Zincatura a caldo dopo lavorazione su acciaio Cor-Ten	-
W	Acciaio zincato a caldo verniciato RAL 5012	-
U	Acciaio zincato a caldo verniciato RAL ____	-
J	Acciaio inox AISI 304 decontaminato ASTM A/380	-
N	Acciaio inox AISI 316L decontaminato ASTM A/380	-
B	Lega di alluminio anodizzato	-
X	Altri trattamenti	-

Corrispondenza denominazioni acciai inox

AISI	DIN	EURONORM
304	1.4301	X5 CrNi 18-10
304L	1.4306	X2 CrNi 19-11
316	1.4401	X5 CrNiMo 17-12-2
316L	1.4404	X2 CrNiMo 17-12-2
316Ti	1.4571	X6 CrNiMo 17-12-2

Materials and surface treatments

The metal cable tray systems mass-produced by FEMI-CZ are carried out in carbon steel, stainless steel and aluminum alloy. They are finished with different anticorrosive protection surface treatments.

Raw and/or pre-treated materials

Identification letter	Materials	Details
H	Carbon steel	DC01 UNI EN 10130 ($S < 1,5\text{mm}$) DC01 UNI EN 10111 ($S \geq 1,5\text{mm}$)
S	Senzimir galvanized carbon steel	DX51D (Z200/Z140/Z100) UNI EN 10346
I	AISI 304 (or AISI 304L) stainless steel	-
Y	AISI 316L stainless steel	-
A	Aluminium alloy	-

Treatments and/or treated materials

Identification letter	Treatments	Details
V	RAL 5012 painted Sendzimir galvanized steel	DC01 UNI EN 10130 ($S < 1,5\text{mm}$) DC01 UNI EN 10111 ($S \geq 1,5\text{mm}$)
T	RAL ____ painted Sendzimir galvanized steel	DX51D (Z200/Z140/Z100) UNI EN 10346
E	Carbon steel, EN ISO 2081 white electrolytic galvanized	DC01 ($S < 1,5\text{mm}$) o DD11 ($S \geq 1,5\text{mm}$)
Z	Carbon steel, EN ISO 1461 hot-dip galvanized after manufacture	DC01 ($S < 1,5\text{mm}$) o DD11 ($S \geq 1,5\text{mm}$)
Q	Hot-dip galvanized after manufacture on S235J2 cl. 3	Silicon enriched steel (80 μm)
F	Hot-dip galvanized after manufacture on Cor-Ten steel	-
W	RAL 5012 painted hot-dip galvanized steel	-
U	RAL ____ painted hot-dip galvanized steel	-
J	ASTM A/380 decontaminated AISI 304 stainless steel	-
N	ASTM A/380 decontaminated AISI 316L stainless steel	-
B	Anodized aluminium alloy	-
X	Other treatments	-

Matching stainless steel designation

AISI	DIN	EURONORM
304	1.4301	X5 CrNi 18-10
304L	1.4306	X2 CrNi 19-11
316	1.4401	X5 CrNiMo 17-12-2
316L	1.4404	X2 CrNiMo 17-12-2
316Ti	1.4571	X6 CrNiMo 17-12-2

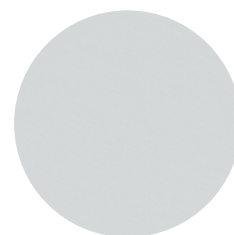
Materiali e trattamenti superficiali

Principali protezioni superficiali contro la corrosione

In considerazione dei costi elevati dovuti alla corrosione, esistono diversi rivestimenti superficiali industriali protettivi atti a ritardare il fenomeno. La durata della protezione ottenuta dipende dallo spessore della stessa espresso in micron ($1\text{ }\mu\text{m} = 0,001\text{ mm}$), dal tipo di rivestimento usato e dall'aggressività dell'ambiente. La maggior parte dei sistemi di passerelle portacavi esistenti sono realizzati in acciaio al carbonio che, ossidandosi facilmente, necessita di rivestimenti protettivi normalmente di zincatura Sendzimir o di elettro-zincatura o zincatura a caldo dopo lavorazione o verniciatura. La massima resistenza alla corrosione tra i materiali normalmente in commercio, è offerta dall'acciaio inossidabile AISI 304/ 304L e ancor più dall'AISI 316/ 316L o, per certe applicazioni, dall'alluminio.

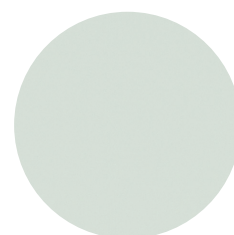
Zincatura Sendzimir

Rivestimento anticorrosivo ottenuto tramite la zincatura a caldo per immersione dopo laminazione dell'acciaio, con procedimento "in continuo" di: preparazione superficiale, immersione in zinco fuso a circa 450°C , rullatura e cromatazione; queste ultime due fasi servono per la rifinitura superficiale e per la massima brillantatura e resistenza alla corrosione (DIN 17162, UNI-EN 10346). Lo spessore dello strato di zinco normalmente è di $10\text{-}15\text{ }\mu\text{m}$ per superficie, in funzione dello spessore e della disponibilità di mercato. Questo tipo di zincatura garantisce sufficientemente la protezione anticorrosiva anche nelle zone di tranciatura del laminato, avente però spessore uguale o inferiore ai 3 mm , grazie allo zinco che si sacrifica, funzionando da anodo, trasformandosi in forma di ossido di zinco che migra ricoprendo le superfici di taglio. Si raccomanda per installazioni interne in ambiente secco con scarsissima presenza di contaminanti aggressivi.



Zincatura elettrolitica

Tale rivestimento anticorrosivo, esente da Cromo Esavalente (Cr.VI) e da altri metalli pesanti secondo Norma 2002/95/CE RoHS, viene applicato su prodotti finiti in acciaio al carbonio, tramite un processo elettrolitico usando come anodi barre di zinco puro. Il prodotto finito si presenta di color bianco-argento, con riflessi iridescenti. Lo spessore del rivestimento protettivo oscilla tra $5\text{ }\mu\text{m}$ e $12\text{ }\mu\text{m}$ (EN ISO 2081). Viene prevalentemente impiegata per i prodotti saldati e sulla minuteria in genere. I prodotti zincati elettroliticamente trovano il loro impiego nel settore dell'impiantistica elettrica in ambienti interni e secchi (senza la presenza di agenti contaminanti).



NOTA: Ulteriori dati sui trattamenti anticorrosivi sopra descritti e su altri trattamenti possibili, sono fornibili a richiesta.

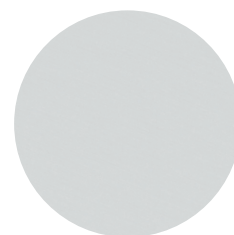
Materials and surface treatments

Main surface protections against corrosion

Considering the high costs due to corrosion, different protective industrial surface coatings exist that have the function to delay the phenomenon. Life of protection obtained depends on its thickness expressed in microns ($1\text{ }\mu\text{m} = 0,001\text{ mm}$), on the type of coating used and on the environment aggressiveness. Most of the existing cable tray systems are made of carbon steel that, oxidizing easily, has the necessity of protective coatings normally of Sendzimir galvanizing or of electro-galvanizing or of hot-dip galvanizing after manufacture or painting. The maximum corrosion resistance considering the materials normally in commerce, is offered by the AISI 304/ 304L stainless steel and even more by the AISI 316/ 316L or, for certain applications, by aluminium.

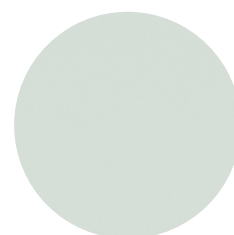
Sendzimir galvanizing

Anticorrosive coating obtained through the hot-dip galvanizing after rolling of the steel, with a "continuous" process of: surface preparation, dipping into cast zinc at about 450°C , roll forming and chromating; these last two phases are necessary for the surface finishing-off and the maximum polishing and corrosion resistance (DIN 17162, UNI-EN 10346). The thickness of the zinc layer is normally $10\text{--}15\text{ }\mu\text{m}$ for each side, depending on thickness and market availability. This type of galvanizing also guarantees sufficiently the anticorrosive protection in the zones of shearing of the rolled section, having however thickness equal or lower than 3 mm , thanks to the zinc that acts, functioning as an anode, turning into form of zinc oxide that migrates covering the cutting surfaces. It is recommended for inside installations in a dry environment with a very low presence of aggressive contaminating agents.



Electrolytic galvanizing

This anticorrosive coating, free from Hexavalent Chromium (Cr.VI) and from other heavy metals according to the Norm RoHS 2002/95/CE, is applied on carbon steel finished products, through an electrolytic process, by using as anodes bars of pure zinc. The finished product is of white-silver colour, with iridescent glares. The thickness of the protective coating goes from $5\text{ }\mu\text{m}$ to $12\text{ }\mu\text{m}$ (EN ISO 2081). It is mainly used for the welded products and on the small parts in general. The electrolytic galvanized products find their use in the electric plant sector in internal and dry environments (without the presence of contaminating agents).



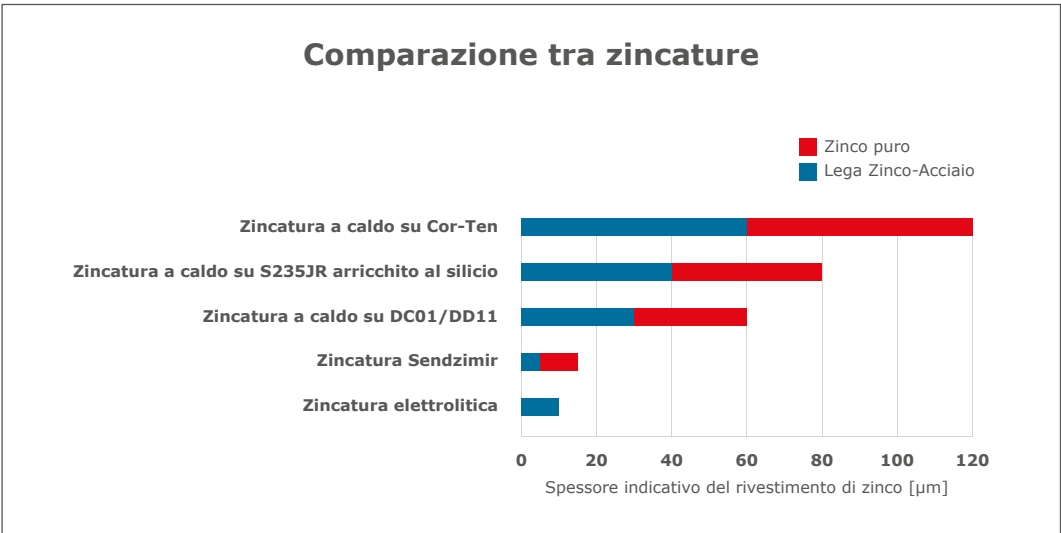
NOTE: Further data about the anticorrosive treatments described above and about other possible treatments, available on request.

Materiali e trattamenti superficiali

Zincatura a caldo per immersione dopo lavorazione

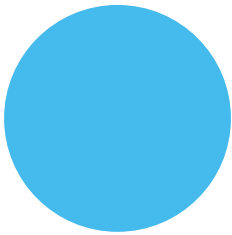
Rivestimento anticorrosivo di zincatura a caldo applicato per immersione dopo lavorazione su prodotti finiti realizzati in acciaio al carbonio. Previo trattamenti di sgrassaggio, decapaggio, lavaggio, flussaggio e preriscaldamento, il processo avviene per immersione in bagno di zinco fuso a circa 450°C, raffreddamento in aria o in acqua e, infine, passivazione a richiesta. Normalmente si eseguono anche operazioni di sbavatura e controllo finale. Lo spessore medio minimo più comune dello strato di zinco è di circa 45-55 µm (DIN 50976, EN 10111 per l'acciaio, UNI EN ISO 1461- CEI 7-6 e A123/A per la zincatura).

Con l'utilizzo di acciai al carbonio, tipo l'S235 cl. 3, arricchiti di silicio, si può ottenere uno strato di zinco medio minimo superiore ad 80 µm. Utilizzando acciaio Cor-Ten, materiale auto-passivante, lo strato di zinco può superare 120 µm di spessore. Essendo un processo a caldo a circa 450°C, mentre la protezione anticorrosiva sarà comunque totale, il pericolo di leggere deformazioni e/o imperfezioni, dovute anche al design dell'articolo, rimane incombente e i clienti finali devono tenerne conto, in quanto non pregiudicano la funzionalità del prodotto e non sono motivo di scarto. Si raccomanda per installazioni esterne, rurali, industriali o interne con ambiente aggressivo.



Verniciatura con polveri poliestere

Trattamento di protezione superficiale, eseguito tipicamente su prodotti in acciaio zincato, tramite l'applicazione di polveri poliestere termoindurenti a circa 180°C, autoestinguenti; prima della verniciatura i pezzi vengono accuratamente e specificatamente pretrattati. Lo spessore del rivestimento protettivo della vernice è di circa 60-70 µm, e va a sommarsi allo spessore protettivo della zincatura. La colorazione standard è blu RAL 5012, ma sono possibili altri colori su richiesta. In funzione del tipo di zincatura, si raccomanda per installazioni esterne o interne in presenza di aggressivi chimici.

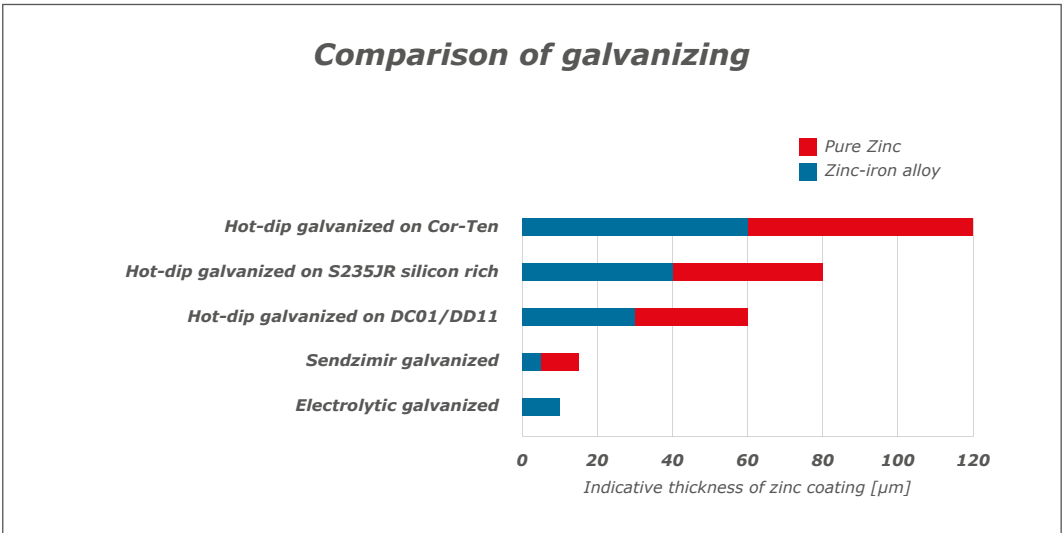


NOTA: Ulteriori dati sui trattamenti anticorrosivi sopra descritti e su altri trattamenti possibili, sono fornibili a richiesta.

Materials and surface treatments

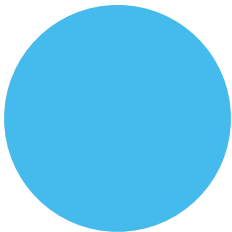
Hot-dip galvanizing after manufacture

Anticorrosive coating of hot galvanizing applied through dipping after manufacture on finished products made in carbon steel. Subject to prior treatments of degreasing, pickling, washing, flushing and pre-heating, the process takes place through dipping into a zinc bath cast at about 450°C, cooling in the air or in the water and, finally, passivation on request. Normally even deflashing and final check operations are carried out. The most common minimum average thickness of the zinc layer is about 45-55 µm (DIN 50976, EN 10111 for steel, UNI EN ISO 1461 - CEI 7-6 and A123/A for the galvanizing). With the use of carbon steels, e.g. the S235 cl. 3, enriched with silicon, it is possible to obtain a minimum average zinc layer higher than 80 µm. With the use of Cor-Ten steel, self-passivating material, the zinc layer can be higher than 120 µm of thickness. Since it is a hot process at about 450°C, while the anticorrosive protection will be total in any way, the danger of small deformations and/or imperfections, even due to the item design, remains impending and the final customers shall consider this, as they do not compromise the product functionality and they are not a reason for rejection. It is recommended for external, rural, industrial or internal installations with an aggressive environment.



Polyester powder painting

Treatment of surface protection, typically carried out on galvanized steel products, through the application of self-extinguishing, thermosetting polyester powders at about 180°C; before painting the pieces are carefully and specifically pre-treated. The protective coating thickness of the paint is about 60-70 µm and is added to the galvanizing protective thickness. The standard colouring is blue RAL 5012, but other colours are possible on request. Depending on the type of galvanizing, it is recommended for outside or inside installations in presence of chemical aggressive agents.



NOTE: Further data about the anticorrosive treatments described above and about other possible treatments, available on request.

Materiali e trattamenti superficiali

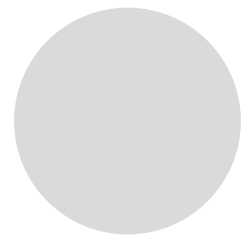
Acciaio inox AISI 304

E' un acciaio al carbonio legato con percentuali di cromo, nichel, manganese e altri elementi in minore quantità. Contrariamente all'opinione generale anche questo acciaio si ossida, ma la sua durata, se idoneamente utilizzato, è generalmente molto superiore a qualsiasi altro tipo di rivestimento protettivo. Il suo comportamento specifico si deve al fatto che, in presenza di ambiente ossidante, il cromo ed il nichel autogenerano una pellicola di ossido di cromo che impedisce la successiva ossidazione. Al fine di migliorare sia l'aspetto estetico, che qualitativo, per gli articoli saldati si consiglia il trattamento di decontaminazione (passivazione/decapaggio; materiale da "I" → "J"). Si raccomanda per installazioni in ambiente industriale, industria chimica normale, industria alimentare (eccetto per le alte temperature), tessile, farmaceutica, cartaria e negli allevamenti zootecnici.



Acciaio inox AISI 316L

E' un acciaio al carbonio legato con percentuali di cromo, nichel, manganese, molibdeno e altri elementi in minore quantità. Il molibdeno ne aumenta la sua resistenza alla corrosione consentendo l'impiego in condizioni assai gravose come ad esempio in presenza di soluzioni di acido solforico, di acidi organici, di cloruri, ecc. Ottima saldabilità (senza necessità di successiva solubilizzazione), nel qual caso si consiglia, come per l'AISI 304 un trattamento di passivazione/decapaggio (materiale da "Y" → "N"). Si raccomanda per l'impiego in industrie chimiche, petrolifere, tessili, cartarie, plastiche, navali, offshore ed alimentari per la lavorazione di prodotti particolarmente aggressivi.



Decontaminazione o Passivazione - Decapaggio

La decontaminazione industriale da ossidi di saldatura secondo ASTM A/380 o passivazione è un trattamento chimico atto a ripristinare il naturale stato passivo della superficie degli acciai inox, eliminando tracce di metalli meno nobili o di depositi vari, possibili cause di innesco di corrosione. Essa si esegue con l'immersione del manufatto in un bagno di acido nitrico diluito per alcuni minuti. Il decapaggio, invece, viene effettuato quando è necessaria la rimozione delle scaglie di ossidi risultanti da saldatura o da elevati trattamenti termici. Tale trattamento molto più aggressivo del precedente, può essere fatto meccanicamente (sabbia silicea, sfere d'acciaio, ecc.) o chimicamente (acido solforico diluito o acido nitrico più fluoridrico diluiti). Per le normali applicazioni gli inestetismi della saldatura sono accettati. Per speciali o prestigiosi progetti, in cui è richiesto un elevato standard estetico, è consigliato applicare il trattamento di decontaminazione, il quale rende la superficie uniforme di colore grigio opaco anche detta "acidata".

NOTA: Ulteriori dati sui trattamenti anticorrosivi sopra descritti e su altri trattamenti possibili, sono fornibili a richiesta.

Materials and surface treatments

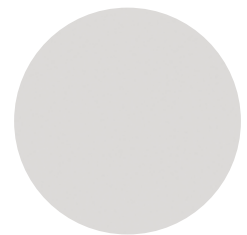
AISI 304 stainless steel

It is a carbon steel alloyed with percentages of chromium, nickel, manganese and other elements in a lower quantity. Contrary to the general opinion also this steel oxidizes, but its life is generally much longer than any other type of protective coating if properly used. Its specific behaviour is due to the fact that, in an oxidizing environment, chromium and nickel self-generate a chromium oxide film that prevents from the subsequent oxidation. In order to improve both the aesthetic and qualitative aspect, decontamination treatment (passivation/pickling; material from "I" → "J") is recommended for welded items. It is recommended for installations in industrial environment, normal chemical industry, food industry (except for high temperatures), textile industry, pharmaceutical industry, paper industry and in the zootechnical breedings.



AISI 316L stainless steel

It is a carbon steel alloyed with percentages of chromium, nickel, manganese, molybdenum and other elements in a lower quantity. The molybdenum increases its resistance to corrosion allowing its use in very hard conditions as for example in presence of sulphuric acid solutions, of organic acids, of chlorides, etc. Optimum weldability (with no necessity of a subsequent solution heat-treatment), in that case it is recommended, as for AISI 304 a treatment of passivation/decontamination (material from "Y" → "N"). It is recommended for the use in chemical industries, oil industries, textile industries, paper industries, plastic industries, naval industries, offshore and food industries for the working of particularly aggressive products.



Decontamination or Passivation - Pickling

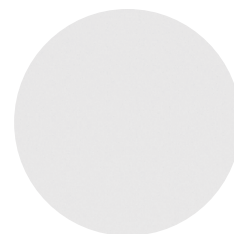
The industrial decontamination from welding oxides according to ASTM A/380 or passivation is a chemical treatment used to restore the natural passive state of stainless steel surfaces, removing traces of less noble metals or of various deposits, possible causes of corrosion starting. It is made by dipping the manufactured article in a nitric acid bath thinned for some minutes. Pickling is made instead when it is necessary to remove the flakes of oxides resulting from welding or from high thermic treatments. This treatment, much more aggressive than the previous one, can be made mechanically (siliceous sand, steel balls, etc.) or chemically (thinned sulphuric acid or thinned nitric plus hydrofluoric acid). For the normal applications the welding imperfections are accepted. For special or prestigious projects, where a high aesthetic standard is required, it is recommended to apply the passivation treatment, which makes the surface uniform of matt grey colour also said "etched".

NOTE: Further data about the anticorrosive treatments described above and about other possible treatments, available on request.

Materiali e trattamenti superficiali

Lega alluminio

Le leghe di alluminio più utilizzate sono la EN AW-6063/T6 con finitura naturale per gli estrusi e EN AW-5052 o 5754 (P- AlMg3) per i laminati soggetti a lavorazioni di trasformazione (punzonatura, piegatura, ecc.). Il magnesio come alligante e il manganese, il silicio e il cromo come additivi, conferiscono comunque al metallo spiccate caratteristiche meccaniche (con il migliore rapporto portata/peso), elevata lavorabilità (riduzione dei costi di installazione), buona saldabilità e eccellente resistenza alla corrosione. In relazione a quest'ultima, va detto che l'alluminio si protegge spontaneamente: il metallo esposto all'atmosfera reagisce immediatamente con l'ossigeno dell'aria formando una sottile pellicola di ossido di alluminio che protegge lo strato sottostante bloccando l'ulteriore corrosione atmosferica e l'attacco elettrochimico tipico della corrosione dovuta all'umidità. In caso di saldatura, al fine di riformare la pellicola protettiva, è consigliato un trattamento di anodizzazione (materiale da "A" $\rightarrow$ "B"). Grazie a questo buon livello di resistenza alla corrosione, tale lega può essere usata in diversi settori applicativi quali l'edilizia, le costruzioni navali, l'industria chimica e alimentare, i trasporti e la meccanica. L'alluminio e le sue leghe sono molto spesso impiegati per la loro bassissima conducibilità elettromagnetica al punto da essere considerati amagnetici. Dal punto di vista elettrico è un ottimo conduttore. (Si tenga tuttavia presente che l'eventuale trattamento di anodizzazione crea uno strato di ossido di alluminio, che è isolante, e che deve essere eliminato tramite carteggiatura per permettere la continuità elettrica).



Anodizzazione o Ossidazione Anodica

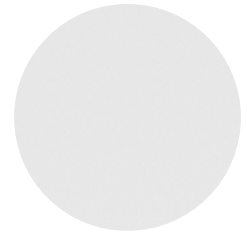
L'ossidazione anodica o anodizzazione dell'alluminio o sue leghe consiste in una trasformazione di natura elettrochimica della sua superficie. Con tale procedimento, che si svolge in un bagno di elettrolisi, sulla superficie dell'alluminio viene a formarsi una pellicola di ossido protettivo alla corrosione atmosferica. Rispetto allo strato di ossido che si forma spontaneamente sulla sua superficie esposta all'atmosfera (passivazione naturale), l'ossidazione anodica risulta molto più spessa e più aderente, con la conseguenza di conferire al metallo una maggiore resistenza alla corrosione, una tenacissima consistenza e una maggiore durezza. (Si tenga tuttavia presente che l'eventuale trattamento di anodizzazione crea uno strato di ossido di alluminio, che è isolante, e che deve essere eliminato tramite carteggiatura per permettere la continuità elettrica).

NOTA: Ulteriori dati sui trattamenti anticorrosivi sopra descritti e su altri trattamenti possibili, sono fornibili a richiesta.

Materials and surface treatments

Aluminium alloy

The most used aluminium alloys are the EN AW-6063/T6 with natural finishing for the extrusions and the EN AW-5052 or 5754 [P-AlMg3] for the rolled sections subject to transformation workings (punching, bending, etc.). Magnesium as an alloying element and manganese, silicon and chromium as additives, give in any case to metal marked mechanical characteristics (with the best ratio load capacity/weight), high workability (reduction of the installation costs), good weldability and very good corrosion resistance. As to the last one, we have to say that aluminium protects itself spontaneously: the metal exposed to the atmosphere immediately reacts with oxygen in the air forming a thin film of aluminium oxide which protects the underlying layer stopping the further atmospheric corrosion and the electrochemical attack typical of the corrosion due to humidity. In case of welding, in order to reform the protective film, an anodizing treatment is recommended (material from "A" → "B"). Thanks to this good level of corrosion resistance this alloy can be used in various application sectors such as building, naval constructions, chemical and food industry, transports and mechanics. Aluminium and its alloys are very often used for their very low electromagnetic conductivity so far to be considered non-magnetic. From an electric point of view it is a very good conductor. (However, please consider that any anodizing treatment creates a layer of aluminium oxide, which is insulating, and which must be eliminated by sanding to allow electrical continuity).



Anodizing or Anodic Oxidation

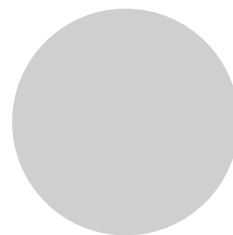
The anodic oxidation or anodizing of aluminium or its alloys consists in a transformation of electrochemical nature of its surface. With this procedure which takes place in an electrolysis bath, a film of protective oxide from the atmospheric corrosion forms on the aluminium surface. Compared to the layer of oxide which spontaneously forms on its surface exposed to the atmosphere (natural passivation), the anodic oxidation results much thicker and more adherent, with the consequence to give to the metal a higher resistance to corrosion, a very tenacious consistency and a greater hardness. (However, please consider that any anodizing treatment creates a layer of aluminium oxide, which is insulating, and which must be eliminated by sanding to allow electrical continuity).

NOTE: Further data about the anticorrosive treatments described above and about other possible treatments, available on request.

Materiali e trattamenti superficiali

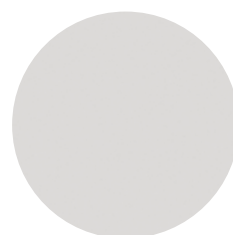
Bulloneria GEOMET® 321B

Il GEOMET® 321B è un rivestimento a base di lamelle di zinco e di alluminio tra le cui proprietà spiccano ottima conducibilità elettrica, resistenza al calore e assenza d'infragilimento da idrogeno, dovuto a processo produttivo secondo le tecniche non fragilizzanti d'immersione a freddo. Le prestazioni anticorrosione del GEOMET® sono particolarmente elevate pur presentando spessori sottili 8-10 µm (UNI ISO 10683). Viene generalmente impiegato sulla minuteria in generale, per installazioni esterne, rurali, industriali con ambiente aggressivo, in abbinamento a prodotti zincati a caldo.



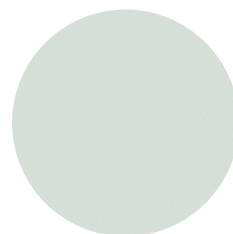
Bulloneria acciaio inossidabile A2 e A4

La peculiarità fondamentale è la resistenza alla corrosione e all'attacco dei prodotti chimici ed in particolare degli elementi ossidanti, nonché l'impiego, pur conservando buone proprietà meccaniche, sia a temperature molto basse che a temperature elevate. L'acciaio di costruzione è di tipo austenitico (A), nelle qualità A2 (X 2CrNi 18 11) comunemente noto come AISI 304 o qualità A4 (X 2CrNiMo 17 12) comunemente noto come AISI 316. Per entrambe le tipologie la classe di resistenza prescritta è allo stato incrudito 70.



Bulloneria zincata elettrolitica

Agli effetti protettivi i rivestimenti elettrolitici di zinco sono adatti per tutte le classi di resistenza della bulloneria. Il prodotto si presenta di colore bianco-argento. Lo spessore del rivestimento protettivo oscilla tra 5 e 12 µm (UNI EN ISO 4042). Dopo la zincatura elettrolitica, o eventualmente dopo la deidrogenazione, si effettua un trattamento di passivazione, conforme alla direttiva RoHS, che aumenta la resistenza alla corrosione del deposito di zinco. La bulloneria zincata elettroliticamente trova il suo impiego in applicazioni all'interno di ambienti interni e secchi, in abbinamento a prodotti Sendzimir o elettrozincati.



Bulloneria zincata a caldo

Rivestimento anticorrosivo di zincatura a caldo e/o fuoco, secondo EN ISO 10684, applicato per immersione dopo lavorazione, su prodotti finiti; non è raccomandato per bulloneria di piccole dimensioni e/o con tolleranze di tipo preciso. Il notevole spessore del rivestimento infatti richiede una eventuale valutazione delle correzioni alle caratteristiche meccaniche, a seguito di maggiorazioni (per dadi) e minorazioni (per viti), della filettatura. I rivestimenti a caldo e/o fuoco sono raccomandati per bulloneria impiegata in ambienti esterni, installazioni rurali e industriali con ambiente aggressivo, in abbinamento a prodotti zincati a caldo.

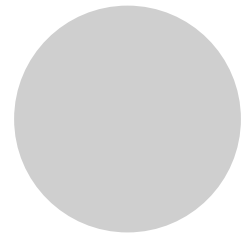


NOTA: Ulteriori dati sui trattamenti anticorrosivi sopra descritti e su altri trattamenti possibili, sono fornibili a richiesta.

Materials and surface treatments

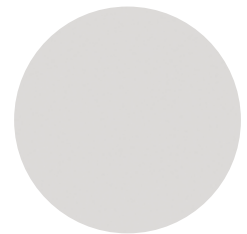
GEOMET® 321B bolts and nuts

The GEOMET® 321B is an aluminium and zinc lamellae based coating and among its properties there are excellent electrical conductivity, resistance to heat and absence of hydrogen brittleness, due to a productive process according to cold dipping techniques that prevent brittleness. The anticorrosive performances of GEOMET® are particularly high even if the thicknesses are thin 8-10 µm (UNI ISO 10683). It is used on the small parts in general, for outdoor, rural, industrial installations with an aggressive environment in combination with hot-dip galvanized products.



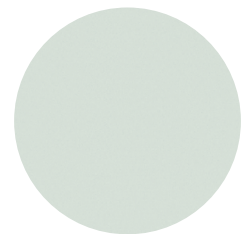
A2 and A4 stainless steel bolts and nuts

The essential peculiarity is the resistance against corrosion and against the attack of the chemical products and in particular of the oxidizing elements and also the use, even by keeping good mechanical properties, both at very low temperatures and at high temperatures. The construction steel is of austenitic type (A), in the qualities A2 (X 2CrNi 18 11) commonly known as AISI 304 or quality A4 (X 2CrNiMo 17 12) commonly known as AISI 316. For both typologies the prescribed resistance class is at the work hardened state 70.



Electrolytic galvanized bolts and nuts

As to the protective effects the zinc electrolytic coatings are suitable for all the resistance classes of bolts and nuts. The product has a white-silver colour. Thickness of the protective coating is between 5 and 12 µm (UNI EN ISO 4042). After the electrolytic galvanizing, or possibly after the dehydrogenation, a treatment of passivation is made, in conformity with the regulation RoHS, that increase the resistance against corrosion of the zinc deposit. The electrolytic galvanized bolts and nuts are used for applications inside indoor and dry environments in combination with sendzimir or electrogalvanized products.



Hot-dip galvanized bolts and nuts

Anticorrosive coating of hot-dip galvanizing, according to EN ISO 10684, applied by immersion after manufacture, on finished products; it is not recommended for small bolts and/or with precise tolerances. The considerable thickness of the coating in fact requires a possible evaluation of the corrections to the mechanical characteristics, following increases (for nuts) and decreases (for screws), of the thread. Hot coatings are recommended for bolts and nuts used in outdoor environments, rural and industrial installations with aggressive environments, in combination with hot-dip galvanized products.



NOTE: Further data about the anticorrosive treatments described above and about other possible treatments, available on request.

Corrosione: scelta dei materiali in funzione dell’ambiente

Classificazione dei trattamenti superficiali in funzione della corrosività dell’ambiente

Ambiente	Materiali					
	S	E	Z	V	I/J	Y/N
Interno	o	o	e	e	e	e
Interno / riva al mare	p	p	o	b	e	e
Esterno / clima secco	b	b	o	o	e	e
Esterno / riva al mare	s	s	p	p	o	e
Nel mare	s	s	p	p	p	o
Solforoso	s	s	b	p	o	e
Acidi minerali	s	s	p	p	o	e
Ammoniaca	s	s	p	p	o	e
Carbonato soda-potassio	s	s	p	p	o	e
Acidi organici	s	s	p	p	b	o
Idrocarburi	s	s	p	p	b	o
Cloro	s	s	s	p	b	e
Industria alimentare	p	p	p	b	o	o
Erosione meccanica	b	b	b	b	o	o

S=Senzimir
E=Zincato elettrolitico
Z=Zincato a caldo
V=Zincato e verniciato RAL5012
I=Inox AISI 304
Y=Inox AISI 316L

E=Eccellente ma superfluo
O=Ottimo
B=Buono
P=Possibile
S=Sconsigliato

Test di laboratorio realizzati in camera di nebbia salina

Tipo di trattamento superficiale o tipo di materiale	Resistenza alla corrosione in ore	
	Ossidazione	
	Bianca	Rossa
Zincatura a caldo dopo lav. (Z)	21	1.250
Acciaio inox AISI 304 (I)	Senza indizi dopo 450	
Zincatura elettrolitica bianca (E)	21	290

Dati non vincolanti, soggetti a variazioni ed aggiornamenti continui.

Corrosion: material choice depending on the environment

Classification of surface treatments depending on the environment corrosivity

Environment	Materials					
	S	E	Z	V	I/J	Y/N
Indoor	O	O	E	E	E	E
Indoor / seaside	P	P	O	B	E	E
Outdoor / dry climate	B	B	O	O	E	E
Outdoor / seaside	S	S	P	P	O	E
Off-shore	S	S	P	P	P	O
Sulphurous	S	S	B	P	O	E
Mineral acids	S	S	P	P	O	E
Ammonia	S	S	P	P	O	E
Sodium-potassium carbonate	S	S	P	P	O	E
Organic acids	S	S	P	P	B	O
Hydrocarbons	S	S	P	P	B	O
Chlorine	S	S	S	P	B	E
Food industry	P	P	P	B	O	O
Mechanical erosion	B	B	B	B	O	O

S=Pre-galvanized Sendzimir
E=Electrolytic galvanizing
Z=Hot-dip Galvanized galv. after man
V=Galvanized and painted RAL5012
I=AISI 304 (304L) stainless steel
Y=AISI 316L (316) stainless steel

E=Excellent but superfluous
O=Very good
B=Good
P=Possible
S=Not recommended

Laboratory tests carried out in salt-fog chamber

Type of superficial treatment or type of material	Resistance to corrosion in hours	
	Oxidation	
	White	Red
Hot-dip galvanizing after man. (Z)	21	1.250
AISI 304 stainless steel (I)	Without marks after 450	
White electrolytic galvanizing (E)	21	290

Non-binding data, subject to variations and continuous updates.

Corrosione: scelta dei materiali in funzione dell'ambiente

Corrosione

La corrosione è un fenomeno elettrochimico che riguarda praticamente tutti i metalli in minor o maggior grado. A causa dell'interazione tra metallo/metallo o metallo/ambiente circostante, vi sarà una perdita di materiale, inizialmente di piccole quantità, ma che in taluni casi può arrivare col tempo anche alla distruzione totale del metallo corrosivo.

Corrosione atmosferica

Si verifica quando il metallo, tramite l'atmosfera, viene a contatto con fonti di corrosione quali l'umidità, il sale, l'inquinamento, soprattutto in prossimità di ambienti marini. Può variare drasticamente in funzione della locazione geografica.

Corrosione chimica

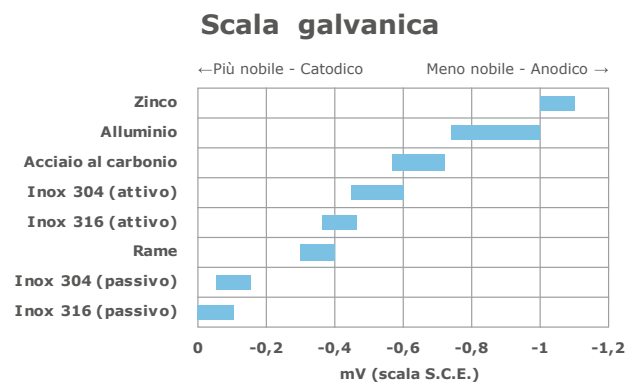
Avviene quando il metallo viene a contatto diretto con una soluzione corrosiva. Alcuni fattori che influenzano l'entità della corrosione sono: il livello di concentrazione chimica, la durata del contatto, la frequenza di lavaggio, la temperatura.

Corrosione galvanica o elettrolitica

Si verifica quando due metalli dissimili sono in contatto diretto in presenza di un elettrolita (ad esempio l'umidità). Il metallo che è posizionato più in alto nella scala galvanica (vedi grafico sottostante) funge da anodo e tenderà ad essere corrosivo rispetto all'altro metallo che funge da catodo. Il grado di corrosione dipende principalmente da:

- a) la concentrazione dell'elettrolita presente: in un ambiente coperto ed asciutto la corrosione galvanica è molto inferiore che all'aperto;
- b) la dimensione di un materiale rispetto l'altro (in relazione alla zona in cui è presente l'elettrolita): un materiale anodico molto piccolo in contatto con un materiale catodico molto grande comporterà una alta corrosione dell'anodo; viceversa la corrosione può essere considerata trascurabile;
- c) la differenza di potenziale elettrico tra i due metalli: maggiore è la differenza e maggiore è la corrosione del materiale anodico (tuttavia la formazione di ossidi superficiali può rimettere in discussione le differenze di potenziale elettrico).

Tale fenomeno è solitamente trascurabile, tuttavia non va sottovalutato. Per prevenzione, in alcuni casi, è necessario interporre tra i due metalli degli isolanti elettrici quali vernici o elementi in nylon.



Categorie di corrosione (UNI EN ISO 12944-2)

Categoria	Corrosione	Perdita zinco µm/anno	Esempi di ambiente interno	Esempi di ambiente esterno
C1	Molto bassa	< 0,1	Edifici riscaldati con atmosfera pulita	-
C2	Bassa	0,1 ÷ 0,7	Edifici non riscaldati con condensa occasionale	Ambienti con basso inquinamento, aree rurali
C3	Media	0,7 ÷ 2,1	Locali produttivi con alta umidità e moderato inquinamento	Ambienti urbani e industriali, zone costiere con bassa salinità
C4	Alta	2,1 ÷ 4,2	Impianti chimici, piscine	Aree industriali, zone costiere con moderata salinità
C5-I	Molto alta (industriale)	4,2 ÷ 8,4	Aree con condensa quasi permanente e alto inquinamento	Aree industriali con alta umidità e atmosfera aggressiva
C5-M	Molto alta (marina)	4,2 ÷ 8,4	Aree con condensa permanente e alto inquinamento	Zone costiere e offshore con alta salinità

Corrosion: material choice depending on the environment

Corrosion

Corrosion is an electrochemical phenomenon that practically concerns all metals in a lower or higher degree. Due to the interaction between metal/metal or metal/surrounding environment, there will be a loss of material, at the beginning of small quantities, but that in some cases can get with time even to the total destruction of the corroded metal.

Atmospheric corrosion

It occurs when the metal, through the atmosphere, comes in contact with sources of corrosion such as humidity, salt, pollution, above all close to marine environments. It can drastically vary depending on the geographic location.

Chemical corrosion

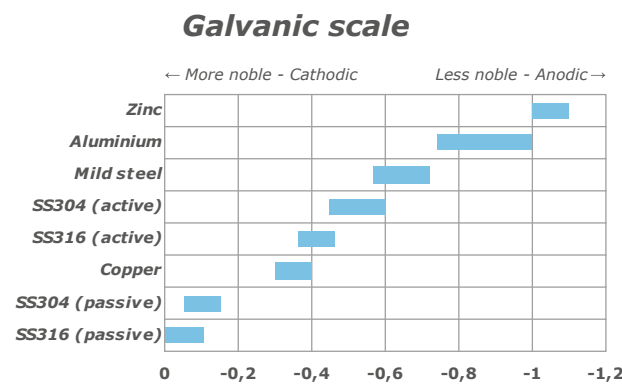
It occurs when the metal comes in direct contact with a corrosive solution. Some factors that affect the corrosion extent are: the level of chemical concentration, the contact duration, the washing frequency, the temperature.

Galvanic or electrolytic corrosion

It occurs when two dissimilar metals are in direct contact in presence of an electrolyte (for ex. humidity). The metal that is positioned more higher in the galvanic scale (see the below graph) works as an anode and will tend to be corroded compared to the other metal which works as a cathode. The corrosion degree mainly depends on:

- 1) the concentration of the present electrolyte: in a covered and dry environment the galvanic corrosion is much lower than in the open;
- 2) the dimension of a material compared to the other one (depending on the area where the electrolyte is present): a very small anodic material in contact with a very big cathode material will involve a high anode corrosion; vice versa the corrosion can be considered as unimportant;
- 3) the difference of electric potential between the two metals: the higher is the difference and the higher is the corrosion of the anodic material (however the formation of superficial oxides can re-bring into question the differences of electric potential).

This phenomenon is usually unimportant, however it has not to be undervalued. As a prevention, in some cases, it is necessary to interpose between two metals electric insulators such as paints or nylon elements.



Corrosion categories (UNI EN ISO 12944-2)

Category	Corrosion	Zinc loss $\mu\text{m}/\text{year}$	Environment indoor samples	Environment outdoor samples
C1	Very low	$< 0,1$	Heated buildings with clean atmosphere	-
C2	Low	$0,1 \div 0,7$	Unheated buildings with occasional condensation	Atmospheres with low-pollution, rural areas
C3	Medium	$0,7 \div 2,1$	Production areas with high humidity and moderate pollution	City and industrial areas, coast with low salt load
C4	Strong	$2,1 \div 4,2$	Chemical plants, swimming pools	Industrial areas and coast with moderate salt load
C5-I	Very strong (industrial)	$4,2 \div 8,4$	Areas with almost permanent condensation and high pollution	Industrial areas with high humidity and aggressive atmosphere
C5-M	Very strong (sea)	$4,2 \div 8,4$	Areas with almost permanent condensation and high pollution	Coast and offshore with high salt load

Corrosione

Macchie umide da stoccaggio - Prevenzione

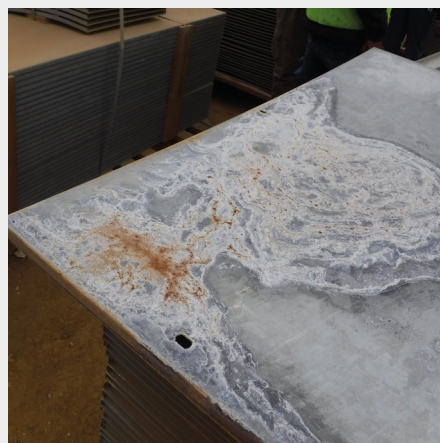
La maggior parte del materiale di supporto viene fornito con una finitura resistente alla corrosione (spesso zincatura a caldo) che, una volta che il materiale è stato montato ed è all'aria aperta, ha una durata di molti anni. Tuttavia, se il materiale zincato a caldo viene lasciato bagnare mentre è accatastato in attesa dell'installazione, la finitura può rapidamente soffrire di macchie antiestetiche e polvere sulla superficie.

L'aspetto superficiale brillante della zincatura a caldo è solo una condizione iniziale, può verificarsi che in presenza di umidità (dovuta a acqua pura: pioggia, rugiada, condensa), di forti sbalzi di temperatura improvvisi e in assenza di un adeguato flusso d'aria, si formi "ruggine bianca", un deposito bianco tipicamente voluminoso. Pertanto la ruggine bianca è un'altra forma di carbonato di zinco che ha una diversa struttura porosa rispetto alla barriera del "carbonato di zinco basico", ma entrambe proteggono naturalmente le superfici zincate e, come noto, non mettono a repentaglio né riducono la protezione anticorrosiva.

È pertanto essenziale che tutti i materiali del sistema di supporto siano stivati in un ambiente asciutto e non riscaldato e che siano osservate le seguenti precauzioni per evitare il deterioramento in cantiere:

- a) Stivare tutto il materiale di supporto sotto copertura, in locali asciutti e non riscaldati. Non lasciare pacchi scoperti e parzialmente usati all'esterno per lunghi periodi.
- b) Se i pacchi di materiale si sono bagnati, devono essere riaccatastati il prima possibile con listelli di legno inseriti tra i componenti per consentire la circolazione dell'aria.
- c) Se non è disponibile uno stivaggio sotto copertura, allora i materiali devono essere riaccatastati come in (b) immediatamente dopo la consegna ed un semplice riparo, utilizzando politene o un telone impermeabile, dovrebbe essere installato sopra il materiale stivato per proteggerlo dalla pioggia. Questa copertura non deve essere posata direttamente sulla catasta poiché deve essere permesso all'aria di circolare attraverso e intorno alle merci stivate.
- d) Ispezionare regolarmente le merci stivate per assicurarsi che l'umidità non penetri nelle cataste.
- e) Non conservare il materiale consegnato dove le persone ci camminano sopra.

Questo fenomeno, principalmente di rilevanza estetica, non compromette la funzione del prodotto e la protezione anticorrosiva del trattamento e, come indicato dalla norma ISO 1461, "non dovrà essere causa di rigetto, a condizione che lo spessore del rivestimento rimanga superiore al minimo valore specificato".



Corrosion

Storage wet stain - Prevention

Most support equipment is supplied with a corrosion resistant finish (often hot dip galvanising) which will, once the equipment is erected and open to the air, have a service life of many years.

However if hot dip galvanised equipment is allowed to become wet whilst stacked awaiting installation the finish can quickly suffer from unsightly staining and powdering on the surface.

The bright surface aspect of hot-dip galvanizing is only an initial condition, it can occur that in presence of humidity (due to pure water: rain, dew, condensation), of strong sudden temperature changes and in absence of a suitable air flow, "white rust" form, a typically bulky white deposit.

Therefore the white rust is another form of zinc carbonate which has a different porous structure compared with the barrier of "basic zinc carbonate", but both naturally protect the galvanised surfaces, and as known, neither jeopardise nor reduce the anticorrosive protection.

It is therefore essential that all support system equipment is stored in a dry, unheated environment and that the following precautions are observed to prevent deterioration on site:

- a) Store all support equipment under cover, in dry, unheated premises. Do not leave any uncovered, part-used stacks lying outside for long periods.
- b) If stacks of equipment have become wet they must be restacked as soon as possible with wooden battens inserted between components to allow air to circulate.
- c) If no undercover storage is available then equipment should be re-stacked as in (b) immediately following delivery and a simple shelter, using polythene or a tarpaulin, should be erected over the stored equipment to protect it from rain. This covering should not be laid directly onto the stack as air must be allowed to circulate through and around the stored goods.
- d) Inspect stored goods regularly to ensure that moisture has not penetrated into the stacks.
- e) Do not store the delivered material where people will walk across it.

This phenomenon, mainly of aesthetic relevance, does not compromise the function of the product and the anticorrosive protection of the treatment and, as quoted by the norm ISO 1461, "shall not be cause of rejection, provided that the coating thickness remains higher than the minim specified value".



Corrosione e avvertenze

Macchia da stoccaggio umido "Wet storage stain"

La mancata osservanza delle suddette condizioni di conservazione può provocare la rapida deturpazione del materiale zincato da "Macchia da stivaggio umido" e gli effetti sono particolarmente esagerati se i prodotti vengono lasciati l'uno a contatto con l'altro e la superficie recentemente zincata rimane bagnata per un tempo molto lungo e non può essere raggiunta da una buona circolazione d'aria (la principale fonte di anidride carbonica per formare il film di ossido stabile), l'acqua continuerà a reagire con lo zinco che si consumerà a scapito dello spessore del rivestimento. Fortunatamente questo problema è raramente serio e (a meno che le carenti condizioni di conservazione non siano continuate senza controllo per diversi mesi) non ha alcun effetto significativo sulla resistenza alla corrosione a lungo termine della finitura. Nei casi in cui il materiale sia stato colpito da macchia da stivaggio umido, le striature antiestetiche di solito diventeranno molto meno importanti e spesso scompariranno completamente entro mesi dall'installazione. Questo fenomeno si chiama "Wet storage stain" che a volte viene erroneamente scambiato con la parola "ruggine bianca" in quanto hanno un meccanismo di corrosione simile.

Normative e marcatura - Controlli

Tutti i prodotti sono conformi alle prescrizioni delle Direttive Europee "CE" Bassa Tensione Direttiva 2014/35/CE.

Dal 2009 l'Istituto del Marchio di Qualità (www.imq.it) ha certificato che le famiglie dei prodotti FEMI-CZ sono in grado di soddisfare le prescrizioni di sicurezza e prestazioni della norma internazionale IEC 61537. Tale certificazione permette di fornire prodotti con impresso il marchio IMQ  a garanzia di conformità.

Periodicamente vengono eseguiti i seguenti esami:

- esame visivo (verifica della corretta identificazione del fabbricante e del modello)
- controllo della marcatura
- verifica continuità elettrica di alcuni tipi di sistemi di sospensione
- prove di resistenza alla trazione e alla flessione

Avvertenze

Nel rispetto delle Direttive CEE n° 85/374 e DPR 224 (e successive modifiche ed integrazioni) raccomandiamo le seguenti avvertenze inerenti il trasporto, l'immagazzinamento e l'impiego dei nostri prodotti:

- nel trasporto proteggere dall'umidità i materiali
- tutti i prodotti devono essere stoccati in ambienti asciutti, ventilati e nei propri imballi originali;
- nella manipolazione dei materiali si consiglia l'uso di guanti protettivi
- ritoccare con adeguato zincante a freddo, dopo l'esecuzione di tagli, le superfici specifiche dei materiali zincati interessate alla lavorazione
- tenere presente che con il tempo le superfici zincate a caldo dopo lavorazione possono perdere la tipica brillantezza iniziale ed opacizzarsi naturalmente.
- tutti gli elementi del sistema devono essere installati a regola d'arte, da personale addestrato e specializzato, secondo quanto prescritto dalle Norme tecniche (CEI 64-8) ed in conformità alle Leggi cogenti applicabili

Corrosion and warnings

Wet storage stain

Failure to comply with the above storage conditions may result in galvanised material being quickly disfigured by "Wet storage stain" and the effects are particularly exaggerated if products are left in back to back contact and recently galvanised surface remains wet for a very long time and cannot be reached by a good air circulation (the main source of carbon dioxide to form the stable oxide film), water will continue to react with zinc which will consume to the detriment of the coating thickness. Fortunately this problem is rarely serious and (unless the poor storage conditions have continued unchecked for several months) it has no significant effect on the long term corrosion resistance of the finish. Where equipment has been affected by Wet storage stain the unsightly marking will usually become much less prominent and will often disappear completely within months of installation. This phenomenon is called "Wet Storage Staining" that sometimes is wrongly exchanged with the word "white rust" as they have a similar corrosion mechanism.

Standards and marking - Check

All the products series are in conformity with the prescriptions of the "CE" European Norms Low Tension Norm 2014/35/CE.

Since 2009 the Institute of the Quality Mark (www.imq.it) has certified that the families of FEMI-CZ products can satisfy the safety prescriptions and performances of the IEC 61537 international norm. This certification allows to supply products with the IMQ mark  imprinted as a guarantee of conformity.

The following tests are periodically carried out:

- visual test (check of the correct identification of the manufacturer and of the model)
- marking control
- check of the electrical continuity of some types of suspension systems
- tests of tensile stress and deflection resistance

Instructions

In observance of the EEC Regulations no. 85/374 and of the DPR 224 (and subsequent modifications and integrations) we recommend the following instructions concerning transport, storing and use of our products:

- during transport protect the materials from humidity
- all products shall be stocked in dry, ventilated environments and in their original packages
- during handling of materials it is recommended to use protective gloves
- touch-up with a suitable cold zinc, after making cuts, the specific surfaces of the galvanized materials involved in the working
- consider that with time the surfaces hot-dip galvanized after manufacture can lose their typical initial gloss and naturally get opaque
- all the elements of the system shall be perfectly installed, by trained and specialized personnel, according to what prescribed in the technical Norms (CEI 64-8) and in conformity with the applicable compulsory Laws

Caratteristiche tecniche e meccaniche

Installazione antisismica

Le nuove norme Tecniche di Costruzione NTC18, rappresentano il testo di Legge di riferimento in ambito progettuale per l'analisi e scelta di componenti che rispondano alle prescrizioni in ambito antisismico.

Le attente valutazioni delle caratteristiche dei sistemi di canalizzazione ed accessori per cavi vengono effettuate con lo scopo principale la sicurezza delle persone negli edifici di pubblica utilità, infrastrutture di trasporto, organizzazioni commerciali ed industriali, in condizioni di sisma. L'obiettivo principale è il mantenimento e l'integrità dell'installazione elettrica, assicurando che i servizi fondamentali (antincendio, luci di emergenza, ventilazione, etc.) funzionino correttamente per un periodo di tempo sufficiente da consentire l'organizzazione dei soccorsi.

Tutti i sistemi portacavi metallici e i relativi supporti FEMI-CZ, vengono analizzati mediante software di calcolo ad elementi finiti e a richiesta del cliente possono essere testati con prove di laboratorio presso centri accreditati quali il CESI.



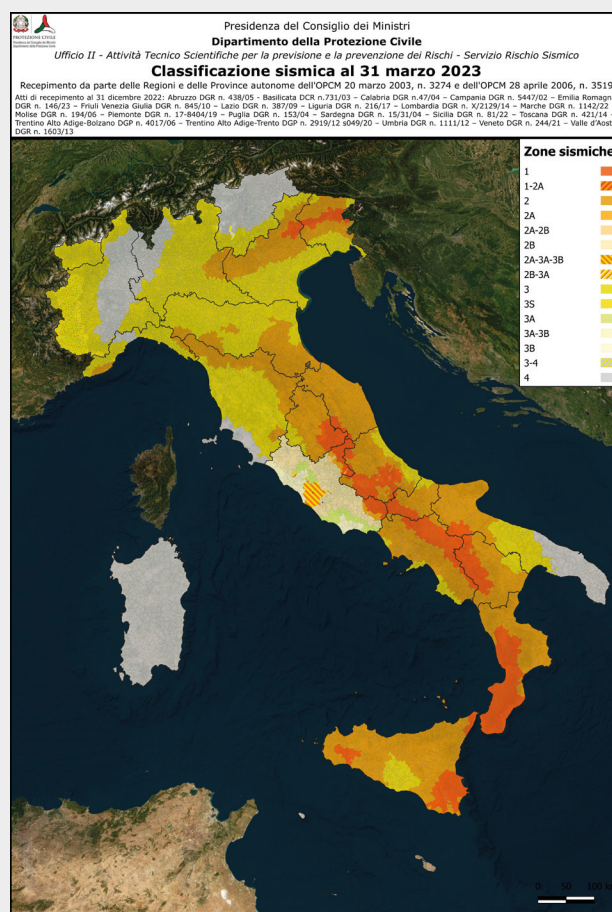
Technical and mechanical characteristics

Quake proof installation

The NTC18 Construction Technical Norms are reference Law text in the design field for analysis and choice of components which satisfy the requirements in the anti-sismic field.

The careful evaluations of the characteristics of the cable tray systems and the cable accessories are carried out having as main aim the safety of the people in the public usefulness buildings, in the transport Infrastructures, in the commercial and industrial organizations, under quake conditions. The main aim is the maintenance and integrity of the electrical installations, assuring that the essential services (firefighting system, emergency lights, ventilation, etc.) work properly for a sufficient period of time so that to allow the organization of rescues.

All FEMI-CZ metallic cable tray systems and respective supports, are analysed by using FEA analysis software and customer's request can be tested with laboratory tests at accredited centres such as CESI.



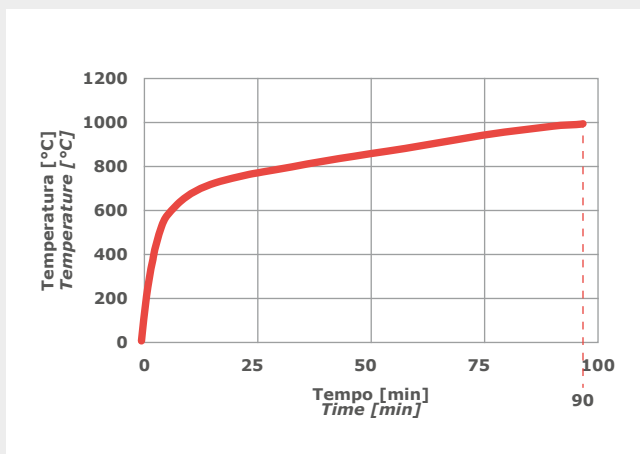
Fonte ufficiale / Official source:
<https://rischi.protezionecivile.gov.it/it/sismico/attivita/classificazione-sismica/>

Caratteristiche tecniche e meccaniche

Resistenza al fuoco

I canali portacavi in acciaio hanno nei confronti del fuoco il comportamento tipico e intrinseco dell'acciaio: buona resistenza e irrilevante innesco e contributo al fuoco.

Collaudi eseguiti presso dei Laboratori indipendenti certificano che vari sistemi portacavi hanno soddisfatto i requisiti della norma tedesca DIN 4102-12, ovvero nessun cedimento strutturale se posti al massimo carico di esercizio e fino a 1000 °C per 90 minuti, ottenendo pertanto la certificazione E30/ E60/ E90. Per maggiori dettagli, potete contattare i nostri uffici tecnico/ commerciali.



Carico utile di sicurezza (SWL) degli elementi rettilinei

Normalmente un sistema portacavi è strutturato per supportare il massimo carico di esercizio possibile, a predeterminate distanze appoggi, con deflessione (longitudinale e trasversale) degli elementi rettilinei contenuta, esteticamente compatibile e con un coefficiente di sicurezza adeguato (minimo 1,7).

Il sistema FEMI 3, i sistemi portacavi a traversini HP2 e il sistema CZ 4, sono conformi alla norma IEC 61537, certificato da IMQ (www.imq.it) e alla norma NEMA VE-1. Nel catalogo le capacità di carico sono fornite per entrambe le norme.

I dati più significativi di prestazione meccanica sono riportati in ogni singola sezione. Altri dati sulla capacità di carico delle passerelle e delle sospensioni, possono essere forniti a richiesta. Nell'ambito delle massime e migliori prestazioni dei canali portacavi, hanno importanza anche la stabilità trasversale e una giunzione di testa fatta a regola d'arte, che crei veramente continuità meccanica e, inoltre, è sempre e comunque buona regola, laddove possibile, mantenere la cadenza delle giunzioni a 1/5 della distanza appoggi.

NOTA: ulteriori informazioni sui prodotti certificati (e non) sono fornibili a richiesta.

Technical and mechanical characteristics

Fire resistance

Steel cable trays have the typical and intrinsic behaviour of steel towards fire: good resistance and negligible ignition and contribution to fire.

Tests carried out at independent laboratories certify that various cable tray systems have satisfied the requirements of the DIN 4102-12 German standard, i.e. no structural failure if placed at maximum operating load and up to 1000 °C for 90 minutes, therefore obtaining E30/ E60/ E90 certification. For further details, you can contact our technical/commercial offices.



Safe working load (SWL) of straight elements

Normally a cable tray system is structured to support the maximum possible working load, at predetermined distances between supports, with limited (longitudinal and transverse) deflection of the straight elements, aesthetically compatible and with an adequate safety factor (minimum 1.7).

The FEMI 3 system, the HP 2 ladder tray systems and the CZ 4 system comply with the IEC 61537 standard, certified by IMQ (www.imq.it) and NEMA VE-1. In the catalogue the load capacities are provided for both norms.

The most significant mechanical performance data are reported in each individual section. Other data on the load capacity of cable trays and suspensions can be provided on request. In the context of the maximum and best performances of the cable trays, transversal stability and a properly made head junction that truly creates mechanical continuity are also important and, furthermore, it is always and in any case a good rule, where possible, to maintain the cadence of the joints at 1/5 of the distance between the supports.

NOTE: further information on certified (and non-certified) products is available on request.

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Carichi applicati

Per identificare correttamente il sistema portacavi necessario, bisogna tener conto della natura e dell'entità dei carichi statici(1) a cui il sistema sarà sottoposto. Il carico applicato, come le capacità di carico indicate nel catalogo, devono essere intese come pesi uniformemente distribuiti sulla campata, ossia non concentrati.

Le componenti da considerare sono:

- Peso dei cavi. Fare riferimento ai dati del costruttore per il calcolo del peso dei cavi. Come per la definizione della sezione, tale valore andrebbe maggiorato del 30÷50%. In alternativa, data la sezione utile del canale, è possibile effettuare un calcolo approssimativo applicando la seguente formula empirica:

$$p = 0,25 \times At \times Kr \text{ [kg/m]}$$

dove:

At = sezione utile del canale in cm²

Kr = coefficiente di riempimento della sezione

- Peso del sistema portacavi. Va considerato il peso del coperchio e degli accessori previsti.
- Carichi concentrati. La presenza di carichi statici concentrati. Esempi tipici sono proiettori, scatole di derivazione, elementi fissati tramite cavallotti, ecc. Per tenerne conto, un carico concentrato può essere trasformato in un carico distribuito con la seguente formula:

$$p = 2 \times \frac{Q}{D} \text{ [kg/m]}$$

dove:

p = carico distribuito

Q = carico concentrato in kg

D = interdistanza appoggi in metri

- Carichi temporanei. Durante le operazioni di montaggio del sistema portacavi, può esservi la necessità di alcuni carichi temporanei, ad esempio per le operazioni di stesura dei cavi.
- Carichi atmosferici. Nel caso di installazioni all'aperto: ghiaccio, neve e vento sono i classici fenomeni atmosferici da considerare. Essi influiscono anche sui coperchi, i quali vanno accuratamente scelti per tipologia e spessore. Per l'installazione all'aperto dei coperchi, si suggerisce il fissaggio di sicurezza tramite l'uso di fascette metalliche o di bloccacoperchi ad omega di sicurezza (Art. 98).
- Carichi sismici. In caso di scosse sismiche, i sistemi portacavi sono maggiormente sollecitati orizzontalmente che verticalmente. La tipologia della passerella a traversini saldati, è stata studiata al fine di migliorare la dissipazione dell'energia generata dai fenomeni tellurici. Tale caratteristica è particolarmente adatta per le grandi installazioni (centrali nucleari, impianti petrolchimici, ecc.).

Dalla sommatoria di tutte le componenti sopra elencate, risulterà il carico distribuito totale minimo (espresso in daN/m)(2) che dovrà essere supportato dal sistema portacavi. Confrontando tale valore con i diagrammi di carico, sarà possibile determinare l'adeguata tipologia di sistema portacavi ed i possibili valori di distanza appoggi compatibili.

ATTENZIONE! Le passerelle portacavi NON devono essere usate come camminamento, scale o supporto per persone.

(1)Eventuali carichi dinamici, fenomeni transitori e oscillatori non sono presi in considerazione in questa sede.

(2)1 daN = 10 N = 1,0197 kg = 2,2481 lb.

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Applied loads

To identify correctly the necessary cable tray system, it is necessary to take into consideration the nature and the quantity of the static loads⁽¹⁾ which will be applied to the system. The applied load, such as the load capacities shown in the catalogue, shall be intended as uniformly distributed weights on the span, that is non-concentrated. The factors to be considered are:

- **Weight of cables.** Make reference to the data of the manufacturer for the calculation of the weight of cables. As for the section definition, this value should be increased by 30÷50%. As an alternative, given the useful section of the cable tray, it is possible to make an approximate calculation applying the following empiric formula:

$$p = 0,25 \times At \times Kr \text{ [kg/m]}$$

where:

At = useful section of the cable tray in cm^2

Kr = filling coefficient of the section

- **Weight of the cable tray system.** The weight of the cover and of the entailed accessories shall be considered.
- **Concentrated loads.** The presence of concentrated static loads shall be considered. Typical examples are: lamps, connector blocks, elements fixed by means of U bolts, etc. In order to consider it, a concentrated load can be transformed in a distributed load with the following formula:

$$p = 2 \times \frac{Q}{D} \text{ [kg/m]}$$

where:

p = distributed load

Q = concentrated load in kg

D = spacing between supports in metres

- **Temporary loads.** During the cable tray system installation operations, there can be the necessity of some temporary loads, for example for the operations of laying of the cables.
- **Atmospheric loads.** In case of outside installations: ice, snow and wind are the classic atmospheric phenomena to be considered. They affect the covers as well, which shall be accurately chosen for typology and thickness. For the outside installation of covers, we suggest a security fastening through the application of metallic straps or security omega cover clamps (Art. 98).
- **Seismic loads.** In case of earth tremors, the cable tray systems are more stressed horizontally than vertically. The typology of ladder tray with welded rungs, has been studied in order to improve the energy dissipation generated by telluric phenomena. This characteristic is particularly suitable for the big installations (nuclear power plants, petrochemical plants, etc.).

From the summation of all the components listed above, it will result the minimum total distributed load (expressed in daN/m)(2) that shall be supported by the cable tray system. Comparing this value with the load diagrams, it will be possible to determine the suitable cable tray system typology and the possible compatible values of distance between supports.

ATTENTION! The cable trays must NOT be used as walking surface, ladders or support for people.

(1) Possible dynamic loads, temporary and oscillatory phenomena are not taken into consideration here.

(2) $1 \text{ daN} = 10 \text{ N} = 1,0197 \text{ kg} = 2,2481 \text{ lb}$.

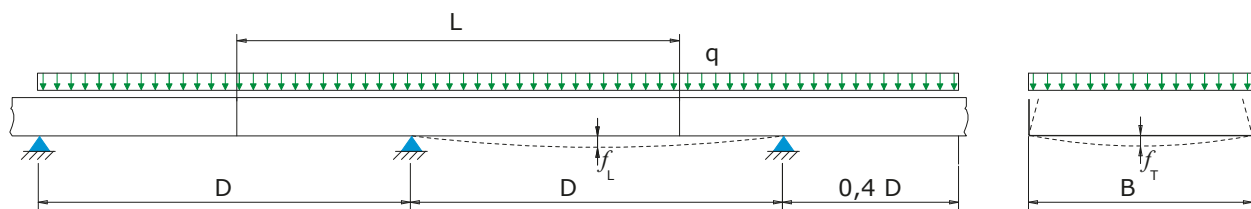
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

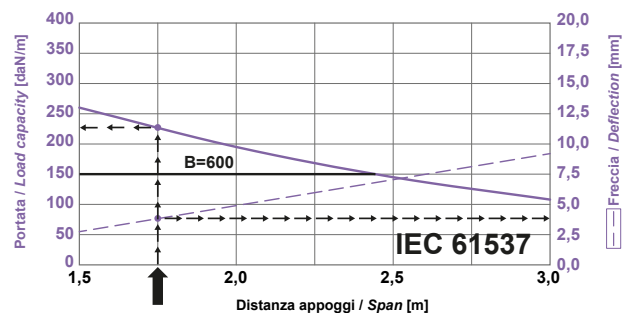
Capacità di carico: norma Europea IEC 61537

Viene effettuata una prova di tipo su campioni costituiti da due o più elementi rettilinei, di lunghezza L e larghezza B , accoppiati in orizzontale per formare due campate D complete più uno sbraccio $0,4D$. La norma propone 5 schemi di prova alternativi. FEMI-CZ ha adottato lo schema di TIPO I (10.3.1) illustrato nella figura sottostante, che è quello in maggior vantaggio di sicurezza dato che non vi è alcuna limitazione sia per la campata terminale che per la posizione dei giunti. Il carico utile di sicurezza SWL è definito dalla norma come il "carico massimo che può essere applicato senza pericolo nell'uso ordinario". I vincoli imposti sono:

- coefficiente di sicurezza $k=1,7$;
- flessione effettiva a metà campata $f < D/100$;
- flessione trasversale $f_T < B/20$.



I risultati delle prove sono sintetizzati in un diagramma da cui si possono ricavare informazioni di carico, distanza appoggi e flessione, relative ad un determinato tipo di sistema portacavi.



- La curva in linea continua è relativa all'andamento della portata massima SWL in funzione della distanza appoggi D .
- La linea orizzontale indica la capacità di carico teorica (calcolata con la formula di pag. 34) della passerella per esempio di base $B=600$ mm.
- La linea tratteggiata è relativa ai valori di riferimento della freccia f in funzione della distanza appoggi D , con pieno carico SWL.

Si noti che, per distanza appoggi D maggiore di 2,4 m circa, la portata massima SWL diventa inferiore rispetto la capacità di carico teorica della passerella di base $B=600$ mm. Esempio, grafico di sinistra: se l'input è la distanza appoggi (1,75 m), possiamo ricavare il massimo carico in sicurezza, $SWL=220$ da/N e la massima freccia risultante $f=3,9$ mm. Esempio, grafico di destra: se l'input è la capacità di carico (190 da/N), possiamo ricavare la massima distanza appoggi $D=2,0$ m e la massima freccia risultante $f=5,0$ mm.

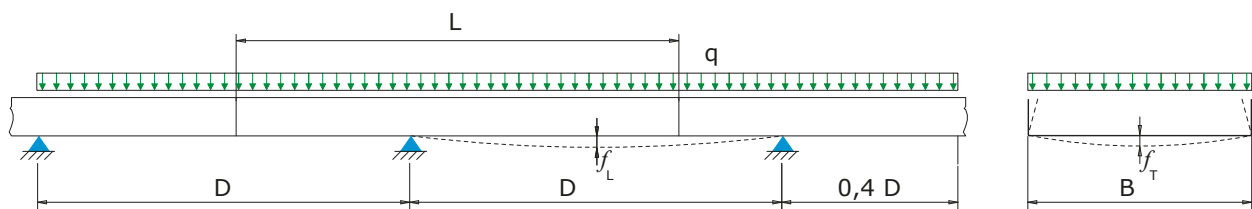
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

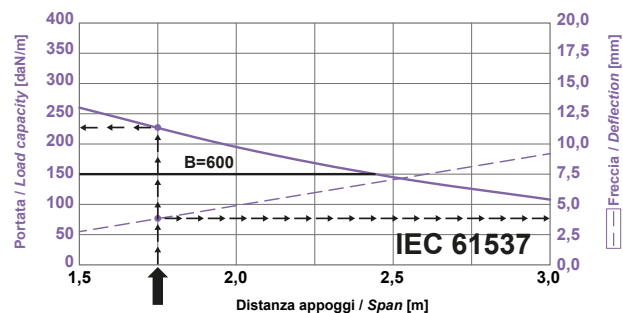
Load capacity: European norm IEC 61537

A type test on samples made of two or more straight elements is made, with length L and width B , horizontally coupled to form two complete spans D plus an overhang $0.4D$. The norm proposes 5 alternative test schemes. FEMI-CZ has adopted the scheme TYPE I (10.3.1) illustrated in the picture here below, that is the one with the highest safety advantage as there is no limitation both for the final span and for the position of the splice plates. The safe working load SWL is defined by the norm as the "maximum load that can be applied without danger in the ordinary use". The imposed bonds are:

- safety coefficient $k=1,7$
- real deflection in the middle of the span $f < D/100$;
- transversal deflection $f_T < B/20$.



The test results are summarized in a diagram where you can find load information, distance between supports and deflection, concerning a certain type of cable tray system.



- The continuous curve line concerns the trend of the maximum load capacity SWL depending on the span D .
- The horizontal line indicates the theoretical load capacity (calculated with the formula on page 35) of the cable tray with a base $B=600\text{mm}$, for example.
- The dotted line concerns the reference values of the deflection f depending on the distance between supports D , with full load SWL.

Please note that, for a distance between supports D higher than $2,4\text{ m}$, the maximum load capacity SWL gets lower than the theoretical load capacity of the cable tray with base $B=600\text{ mm}$. Example, left graph: if the input is the distance between support ($1,75\text{ m}$), we can extract the maximum load capacity, $\text{SWL}=220\text{ da/N}$ and the maximum resultant deflection $f=3.9\text{mm}$. Example, right graph: if the input is the load capacity (190 da/N), we can extract the maximum distance between support $D=2,0\text{m}$ and the maximum resultant deflection $f=5.0\text{ mm}$.

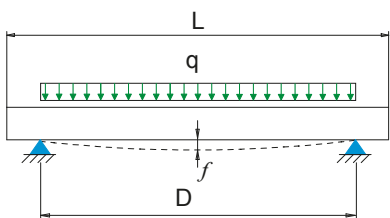
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

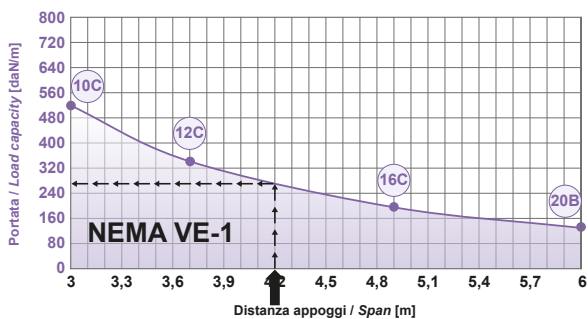
Capacità di carico: norma Americana NEMA VE-1

Viene effettuata una prova di tipo su campioni costituiti da un elemento rettilineo di lunghezza L e larghezza massima B con configurazione a campata singola massima prevista D (trave semplice) appoggiata con estremi liberi. La norma propone 2 opzioni di prova. FEMI-CZ ha adottato il Metodo A (5.2.8), illustrato nella figura sottostante, che prevede di caricare il portacavi fino alla rottura. La capacità di carico nominale W è definita come il "carico di rottura diviso un fattore di sicurezza k=1.5". La norma non prevede vincoli di flessione. Per distanze appoggi Di<D la normativa prevede la possibilità di calcolare la relativa capacità di carico nominale Wi con la seguente formula di interpolazione:

$$W_i = \frac{W \times D^2}{D_i^2}$$



I risultati delle prove sono sintetizzati in un diagramma da cui si possono ricavare informazioni di carico e distanza appoggi, relative ad un determinato tipo di sistema portacavi. La curva è relativa all'andamento della portata massima W, in funzione della distanza appoggi D.



E' bene tenere presente che per un sistema a multi campata la freccia è indicativamente il 50% rispetto la freccia "f" relativa ad una singola campata. Pertanto la flessione al centro campata relativa al test NEMA VE-1 si può ricavare approssimativamente moltiplicando per un fattore 2 il valore dei test secondo IEC 61537.

Carico / Load (W)	Campata / Span (D)					
	1.5 m (5 ft)	2.4 m (8 ft)	3.0 m (10 ft)	3.7 m (12 ft)	4.9 m (16 ft)	6.0 m (20 ft)
37 kg/m (25 lb/ft)	5AA	8AA	10AA	12AA	16AA	20AA
74 kg/m (50 lb/ft)	5A	8A	10A	12A	16A	20A
112 kg/m (75 lb/ft)	-	8B	10B	12B	16B	20B
149 kg/m (100 lb/ft)	-	8C	10C	12C	16C	20C

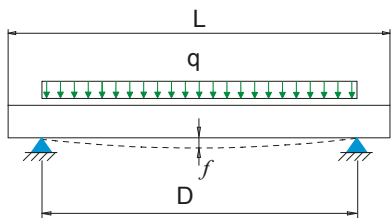
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

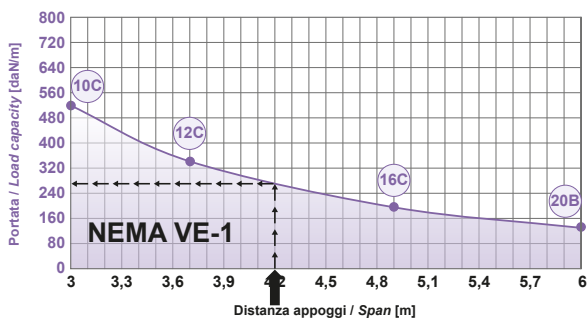
Load capacity: American norm NEMA VE-1

A type test is made on samples made of a straight element with length L and a maximum width B with an estimated maximum single span configuration D (simple beam) leant with free ends. The norm proposes 2 test options. FEMI-CZ has adopted the Method A (5.2.8), illustrated in the picture below, which entails to load the cable tray up to its breaking. The nominal load capacity W is defined as the "breaking load divided a safety factor $k=1.5$ ". The norm does not entail deflection bonds. For distances between supports $D_i < D$ the regulation entails the possibility to calculate the respective nominal load capacity W_i with the following interpolation formula:

$$W_i = \frac{W \times D^2}{D_i^2}$$



The test results are summarized in a diagram where you can find information about load e distance between supports, concerning a certain type of cable tray system. The curve line concerns the trend of the maximum load capacity W depending on the span D .



It is important to consider that for a multi span system the deflection is roughly the 50% compared to the deflection "f " concerning a single span. Therefore the deflection between the support concerning the NEMA VE-1 test, may be approximately made by multiplying the IEC 61537 test value for a factor 2.

Carico / Load (W)	Campata / Span (D)					
	1.5 m (5 ft)	2.4 m (8 ft)	3.0 m (10 ft)	3.7 m (12 ft)	4.9 m (16 ft)	6.0 m (20 ft)
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112 kg/m (75 lb/ft)	-	8B	10B	12B	16B	20B
149 kg/m (100 lb/ft)	-	8C	10C	12C	16C	20C

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Confronto tra IEC 61537 e NEMA VE-1

I dati di portata e freccia calcolati con le due norme non sono direttamente comparabili, in quanto le condizioni di prova sono molto differenti:

- Lo schema di carico NEMA VE-1 (singola campata) è più sfavorevole rispetto lo schema di carico IEC 61537 (più campate), pertanto il carico alla rottura secondo la NEMA VE-1 risulta inferiore rispetto alla IEC 61537.
- Come conseguenza del punto 1. e considerando che i punti di appoggio non sono vincolati, le frecce che si rilevano con la NEMA VE-1 sono notevolmente superiori rispetto alla IEC 61537.
- I coefficienti di sicurezza considerati sono differenti: per la NEMA VE-1 $k=1.5$, per la IEC 61537 $k=1.7$.

Per tali differenze, si può concludere che:

- dal punto di vista del costruttore la NEMA VE-1 permette in maniera semplice e rapida di effettuare le prove di carico;
- dal punto di vista dell'utilizzatore i diagrammi riferiti alla IEC 61537, che suggeriamo di utilizzare, offrono informazioni più attinenti alla realtà di installazione, la quale è tipicamente del tipo a multi campata.

Nel caso di progetti esteri in cui vi sono riferimenti alla NEMA VE-1, la relativa classificazione riportata nel catalogo permette di individuare rapidamente il sistema portacavi adeguato.

Comparison between IEC 61537 e NEMA VE-1

The load capacity and deflection data calculated with the two norms cannot be directly compared, as the test conditions are very different:

- *The load schema NEMA VE-1 (single span) is more unfavourable compared to the load schema IEC 61537 (several spans), therefore the breaking load according to the NEMA VE-1 is lower compared to the IEC 61537.*
- *As a consequence of point 1 and considering that the support points are not locked, the deflections that are found with the NEMA VE-1 are considerably higher compared to the IEC 61537.*
- *The safety factors considered are different: for the NEMA VE-1 $k=1.5$ for the IEC 61537 $k=1.7$.*

For these differences, we can conclude that:

- *From the point of view of the manufacturer the NEMA VE-1 allows in a simple and fast way to make the load tests;*
- *From the point of view of the user the diagrams concerning the IEC 61537, which we suggest to use, offer information more relevant to the installation reality, which is typically of the multi span type.*

In case of foreign projects where there are references to the NEMA VE-1, the respective classification written in the catalogue allows to identify quickly the suitable cable tray system.

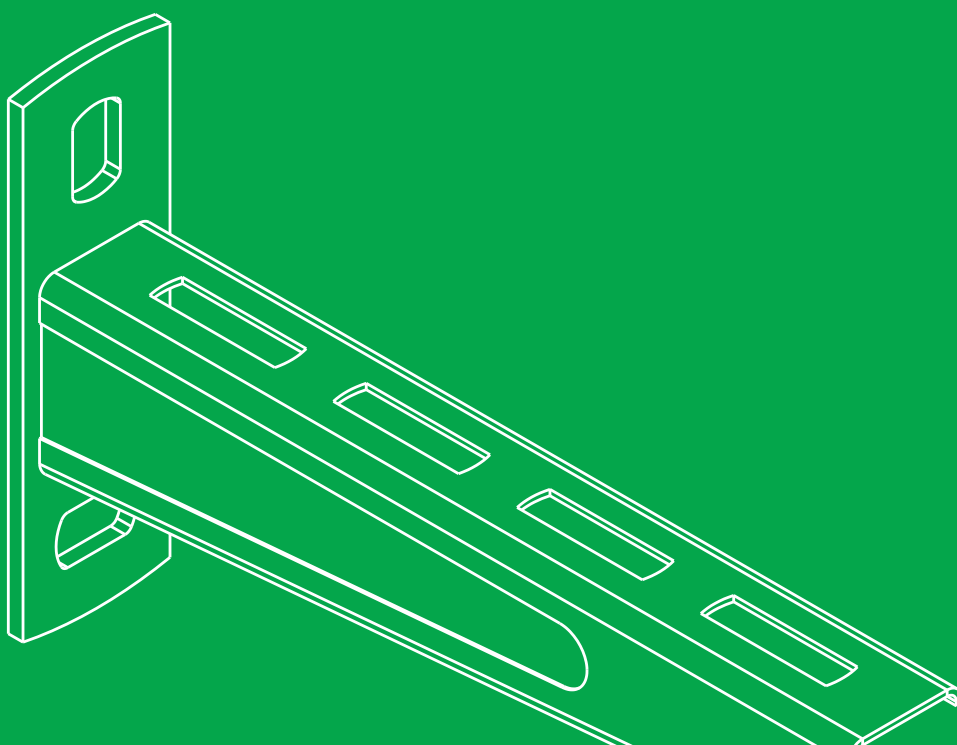
ELEMENTI DI SOSPENSIONE

SUPPORT ELEMENTS



La proposta di sistemi di sospensione che siamo in grado di offrire, rappresenta una delle più ampie gamme di prodotto su scala internazionale. Innumerevoli sono le combinazioni realizzabili che rispondono alle più diversificate situazioni di installazione, sia per il settore dell'impiantistica elettrica che per quella idraulica. Attraverso il

proprio catalogo, FEMI-CZ vuole dare anche un'idea della sua storia ed esperienza più che quarantennale e della sua flessibilità produttiva, che di fatto non pone limiti ai progettisti. Va infatti ricordato che tutto ciò che viene rappresentato in questo documento, può essere, a richiesta, modificato in dimensioni, spessori, materiali etc..



Our suspension system proposal is one of the largest product ranges on an international scale. Really many are the possible feasible combinations in order to meet the most different situations on the installation sites, both for the electrical plant sector and for the hydraulic plant sector. With its catalog, FEMI-CZ also wants to give an idea

of is more than forty-years story and experience and of its production flexibility, that actually puts no limit to the designers. In fact it has to be reminded that everything which is represented inside this document can be changed, on request, as to dimensions, thicknesses, materials and anything else.

I punti di forza

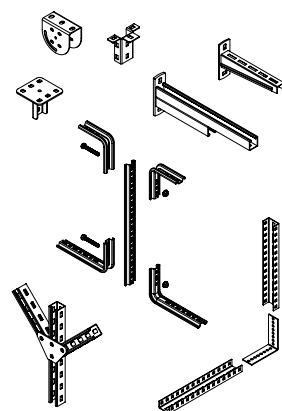
Top points

Ampiezza della gamma

La serie FEMI-CZ 0 è tra le più ampie del mercato internazionale. Per ogni famiglia di prodotti (supporti, profili e mensole) sono disponibili diverse tipologie di articoli che, di fatto, coprono le necessità di tutti i normali tipici d'installazione.

Largeness of the range

The FEMI-CZ 0 series is one of the largest ones in the international market. For each family of products (supports, channels and brackets), different typologies of items are available and they actually cover the necessities of all the normal types of installation.

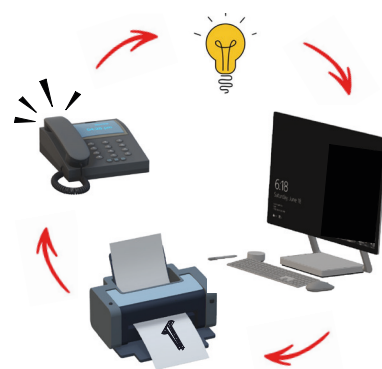


Produzione su richiesta

Il nostro know-how e la nostra esperienza molto spesso vengono impiegati per la produzione di articoli su specifica richiesta. In generale, tale attitudine rimane uno dei nostri veri punti di forza. Supporti, profili e mensole speciali, con dimensioni, materiali e trattamenti che non sono riportati in questo catalogo, possono essere realizzati senza difficoltà e in tempi ragionevolmente brevi.

Production on request

Our know-how and our experience are very often used for the production of items on specific request. In general, this aptitude remains one of our real points of strength. Supports, channels and special brackets, with dimensions, materials and treatments which are not shown in this catalogue, can be carried out without difficulty and in reasonable short times.

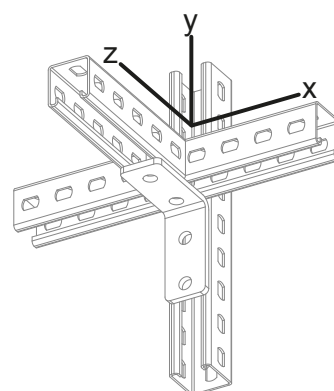


Flessibilità d'impiego

Le varie serie di elementi di supporto, anche se non tutte, sono concepite per essere installate su tutti e tre gli assi canonici: X, Y e Z. Le strutture bullonate, grazie alla loro componibilità, possono essere comodamente sistemate attorno alla posizione ideale del carico.

Flexibility of use

The various series of support elements, even if not all of them, are conceived to be installed on all the three canonical axes: X, Y and Z. The bolted structures, thanks to their modularity, can be easily put around the ideal load position.



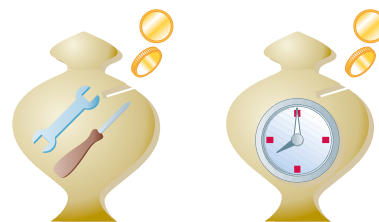
I punti di forza *Top points*

Economia ed affidabilità

L'attrezzatura necessaria per il montaggio è davvero minima. I componenti sono semplici e facili da installare anche da personale poco specializzato; se impiegati a regola d'arte, l'installazione risulta rapida e affidabile. Il grande vantaggio dei sistemi componibili rimane la possibilità di implementare e/o modificare le scelte già fatte, di smontare e riutilizzare (se non compromessi) i componenti già usati.

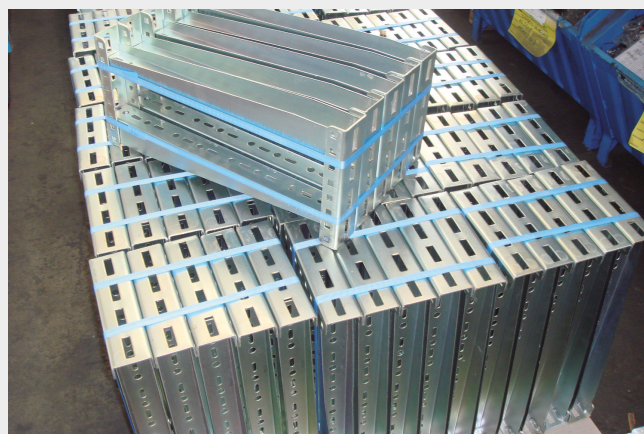
Cheapness and reliability

The equipment necessary for the installation is really minimum. The components are simple and easy to install even by not much specialized personnel; if perfectly used, the installation is fast and reliable. The great advantage of the modular systems remains the possibility to implement and/or change the choices already made, to dismantle and to reuse (if not damaged) the components already used.



Imballaggio prodotti

L'imballaggio dei prodotti, è quasi sempre eseguito in forma standard; qualche volta viene fatto in modo da ottimizzare il volume d'ingombro e nel caso di mensole e/o profili, per esempio, viene eseguito accoppiando i pezzi o inserendoli uno dentro l'altro. Recentemente è stato definito l'imballaggio delle due nuove mensole "56S UNI-BAND" e "57S BI-BAND", tramite l'impiego di scatole di cartone bianco con grafica personalizzata. In altri casi, per esempio i supporti o per la minuteria in genere, l'imballo è fatto a mezzo di scatole di cartone personalizzato, chiuse con nastro adesivo, sulle quali viene posta una etichetta riportante i codici degli articoli contenuti. Quasi sempre i colli vengono appoggiati su dei pallet di legno. Quando possibile, colli e pallet, vengono protetti con del film estensibile trasparente.



Packaging of the products

The packing of products is nearly always made in a standard form; sometimes it is made so that to optimise the overall volumes and in case of brackets and/or channels, for example, it is made by coupling the pieces or by inserting them one inside the other one. Recently the packing of the two new brackets "56S UNI-BAND" and "57S BI-BAND" has been defined, by using white cardboard boxes with personalised graphics. In other cases, for example for the supports or for the small parts in general, the packing is made by means of personalized cardboard boxes, closed with adhesive tape, on which a label with the codes of the items contained is put. Nearly always the packages are put on wooden pallets. When possible, packages and pallets are protected with transparent extensible film.



Caratteristiche tecniche e meccaniche

Capacità di carico delle mensole

Tutte le mensole sono conformi alle prescrizioni della norma IEC 61537 e rispondenti alle più comuni esigenze in fatto di capacità di carico. Sono disponibili mensole economiche a minor prestazione, e mensole ad alta capacità di carico che, per la particolare robustezza strutturale, sono installate in situazioni con elevate sollecitazioni. FEMI-CZ è organizzata anche per produrre mensole su richiesta, con particolari specifiche tecniche fornite dal progettista e/o dal committente (per esempio nelle gallerie delle tratte per i Treni ad Alta Velocità – TAV – sono state realizzate mensole speciali con portata superiore ai 500 daN $\approx$ 500 kg).

Posizionamento del carico

Passerella a fondo continuo e passerella a traversini

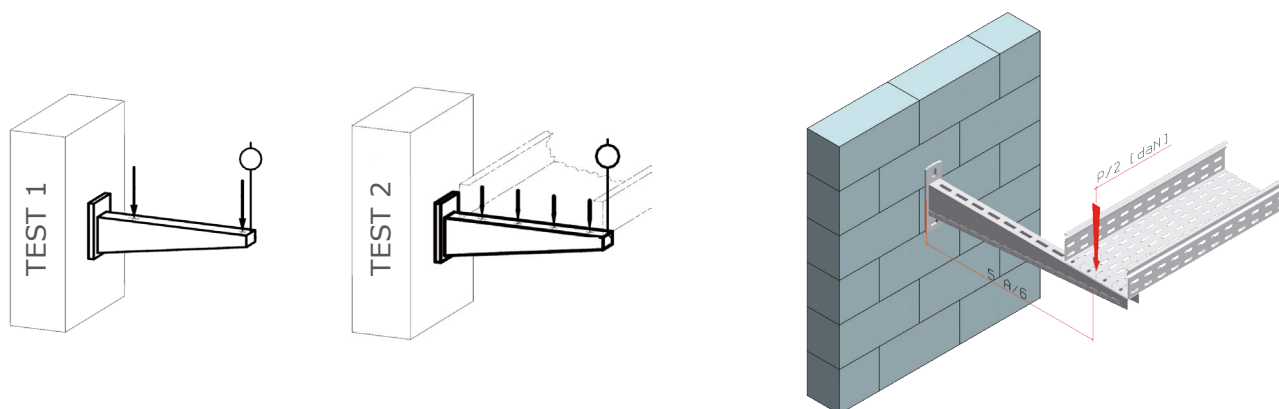
Tutti i test sono stati eseguiti in conformità alla norma internazionale IEC 61537, secondo quanto prescritto al paragrafo 10.8.1 "Prova per il SWL (Safe Working Load) di staffe a mensola". In questo capitolo vengono differenziate due tipologie di prove:

- Test per mensole progettate per passerelle portacavi sia a fondo continuo che a traversini.
- Test per mensole progettate solo per passerelle portacavi a fondo continuo.

La tipologia di prova adottata per tutti i modelli è stata la prima, che simulando la condizione più gravosa, porta inevitabilmente ad esporre valori di SWL inferiori rispetto a quelli derivabili con la seconda prova. I dati dichiarati a catalogo, in fase di scelta della mensola più congeniale, permettono quindi di disinteressarsi della tipologia di passerelle portacavi da installare, se a fondo continuo o a traversini, sicuro che il prodotto prescelto comunque sarà adeguato.

Carico in punta

L'esperienza ci ha insegnato che spesso gli installatori di impianti elettrici e idraulici hanno l'esigenza di dover posizionare tutto il carico sull'estremità libera della mensola, gravando quindi in maniera pesante sulla mensola stessa e mettendola a dura prova. Anche se la normativa non descrive le modalità di test per questa configurazione di carico, per mensole con lunghezza maggiore o uguale a 400mm, abbiamo ritenuto utile eseguire delle prove con un carico posizionato ad una distanza dalla parete pari a $5/6$ della lunghezza della mensola. Per esempio il test sulla mensola lunga 600 mm ha previsto il carico posizionato a 500 mm dalla parete. Tale carico può rappresentare la situazione di una passerella con base 200 mm, posizionata in punta ad una mensola di lunghezza 600 mm.



Technical and mechanical characteristics

Load capacity bracket

All brackets are in conformity with the prescriptions of the IEC 61537 norm and meet the most common necessities as far as load capacity is concerned. Cheap brackets with a lower performance are available and heavy duty brackets which, for their particular structural robustness, are installed in situations with high stresses. FEMI-CZ is also organized to produce brackets on request, with particular technical specifications given by the designer and/or by the contractor (for example in the tunnels of the sections for the High Speed Trains special brackets with a load capacity higher than 500 daN have been carried out).

Load positioning

Solid bottom cable tray and ladder tray.

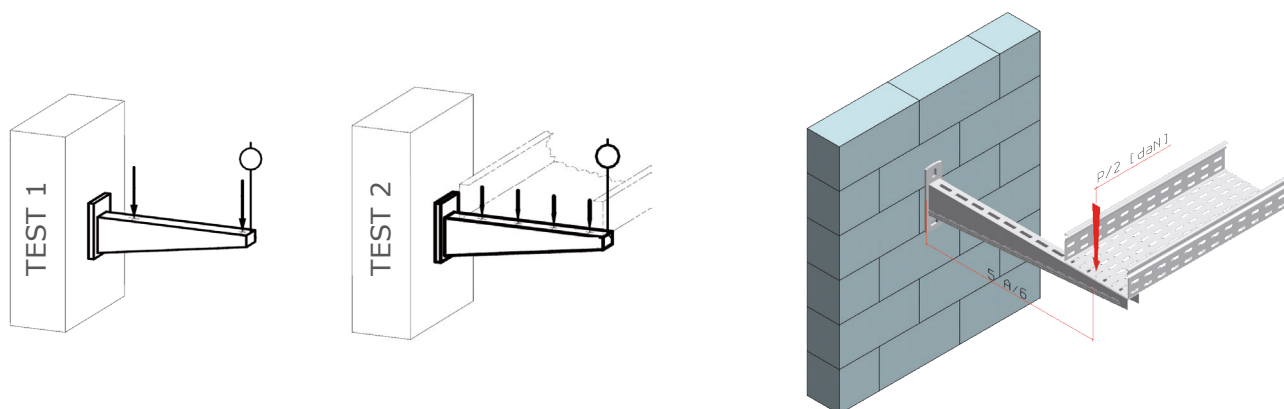
All tests have been carried out in conformity with the IEC 61537 international norm, according to what prescribed at paragraph 10.8.1 "Test for the SWL (Safe Working Load) of cantilever brackets". In this chapter two different test typologies are distinguished:

- Test for brackets designed both for solid bottom cable trays and for ladder trays.
- Test for brackets designed only for solid bottom cable trays.

The test typology adopted by FEMI-CZ for all models has been the first one, that by simulating the hardest condition, unavoidably leads to show SWL values lower than the ones derivable with the second test. The data declared in the catalogue, in the phase of choice of the bracket that suits to him, permit therefore to take no interest in the typology of cable trays to be installed, if solid bottom cable tray or ladder tray, certain that the chosen product will be suitable in any case.

Point load

Experience has taught us that the installers of electrical and hydraulic plants have often the necessity to place the whole load on the free end of the bracket, lying therefore in a heavy way on the bracket itself and stressing it strongly. Even if the regulation does not describe the test modalities for this load configuration, for brackets with length greater than or equal to 400 mm, we have considered useful to carry out tests with a load placed at a distance from the wall equal to $5/6$ of the bracket length. For example the test on the bracket with length 600 mm has considered the load placed at 500 mm from the wall. This load can represent the situation of a cable tray with base 200 mm, placed on the point of a bracket with length 600 mm.



Caratteristiche tecniche e meccaniche

Coefficiente di sicurezza k

E' importante avere coscienza e rispettare il coefficiente di sicurezza "k". Esso è legato al valore di portata dichiarato in tabella di prodotto ed è sempre maggiore o uguale a due ($k \geq 2$).

Freccia

La normativa IEC 61537 impone che la freccia, misurata a 5mm dall'estremità libera della mensola, sia inferiore a 1/20 della lunghezza della mensola con il raggiungimento del valore massimo di 30mm. I dati di freccia riscontrati sulle mensole sono ben al disotto di tale limite, normalmente attorno a 1/100 della lunghezza della mensola stessa. Ovviamente, 1/20 è un limite molto spesso, esteticamente, non accettabile.

Mensole in Acciaio INOX

Gli acciai inox più comunemente utilizzati nel nostro settore, ossia l'AISI 304 e l'AISI 316L, rispetto all'acciaio al carbonio, hanno, com'è noto, una più elevata resistenza ai diversi fenomeni corrosivi; per contro alcune proprietà meccaniche, come la tensione di snervamento sono inferiori:

- acciaio al carbonio: $\sigma_{snerv} = 302 \text{ MPa}$
- acciaio inox 304 o 316L: $\sigma_{snerv} = 220 \text{ MPa}$

Questa caratteristica influisce direttamente sulla capacità di carico, abbassandola di un 25% circa. Pertanto i dati di portata esposti nelle tabelle all'interno delle pagine di catalogo, relativi alla capacità di carico delle mensole in acciaio al carbonio, validi per le tipologie Sendzimir, verniciato, zincato elettrolitico e zincato a caldo, per poter essere utilizzati nel caso di mensole in acciaio inox dovranno essere abbassati del 25%. La freccia riscontrata sarà la stessa. Per esempio: la mensola A0E57S7J600MU ha una portata di $P=200\text{daN}$ con una freccia in punta di $f=6,5\text{mm}$, mentre quella in AISI 304, di codice A0J57S7J600MU avrà una portata di $P=200 \times 0.75 = 150\text{daN}$ con la stessa freccia in punta di $f=6,5\text{mm}$.



Technical and mechanical characteristics

Safety factor k

It is important to be aware and to respect the safety factor " k ". It is bound to the load capacity value declared in the product table and it is always higher than or equal to two ($k \geq 2$).

Deflection

The IEC 61537 regulation imposes that the deflection, calculated at 5mm from the free end of the bracket, is lower than 1/20 of the bracket length with the achievement of the maximum value of 30 mm. The deflection data found on FEMI-CZ brackets are considerably lower than this limit, normally about 1/100 of the length of the bracket itself. Obviously, 1/20 is a limit that very often is, aesthetically, unacceptable.

STAINLESS Steel bracket

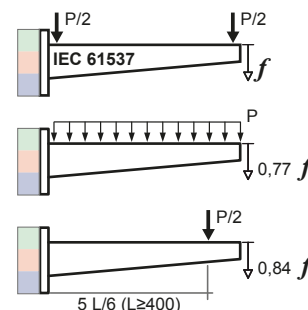
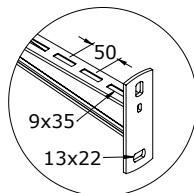
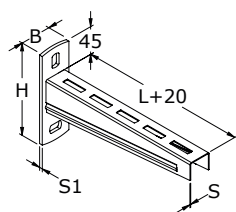
The most commonly used stainless steels in our sector, that is AISI 304 and AISI 316L, compared to carbon steel, have, as known, a higher resistance to the various corrosion phenomena; on the contrary some mechanical characteristics, such as the yield stress are lower:

- carbon steel: $\sigma_{\text{yield}} = 302 \text{ MPa}$
- 304 or 316L stainless steel: $\sigma_{\text{yield}} = 220 \text{ MPa}$

This characteristic directly affects the load capacity, lowering it by about a 25%. Therefore the load capacity data shown in the tables inside the catalogue pages, concerning the load capacity of carbon steel brackets, valid for the Sendzimir, painted, electrolytic and hot-dip galvanized typologies, in order to be used in case of stainless steel brackets shall be lowered by 25%. The deflection found will be the same. For example: A0E57S7J600MU bracket has a load capacity of $P=200\text{daN}$ with a point deflection of $f=6,5\text{mm}$, while the one in AISI 304, code A0J57S7J600MU will have a load capacity of $P=200 \times 0.75 = 150\text{daN}$ with the same point deflection of $f=6,5\text{mm}$.



Guida al calcolo della capacità di carico delle mensole



Mensola 57S-200 BI-BAND

B mm	H mm	L mm	S mm	P daN	f mm	Elettrolitico	Verniciato	Inox AISI 304	↗ kg/pz	Zincato a caldo	↗ kg/pz
50	150	400	1,5	200	4,2	A0E57S7J400KT	A0V57S7J400KT	A0J57S7J400KT	0,87	A0Z57S7J400KT	0,92
50	175	500	2,0	200	5,1	A0E57S7J500MU	A0V57S7J500MU	A0J57S7J500MU	1,33	A0Z57S7J500MU	1,40
50	175	600	2,0	200	6,5	A0E57S7J600MU	A0V57S7J600MU	A0J57S7J600MU	1,73	A0Z57S7J600MU	1,81

La parte della pagina di catalogo sopra riportata, è usata solo a titolo di esempio dei dati forniti per ogni mensola nella sezione “mensole standard e speciali” del catalogo stesso. Si ricorda che schemi e valori tabellati per ogni articolo, sono ricavati in conformità alla norma IEC 61537. Gli schemi rappresentano le situazioni di carico portacavi/mensola più comuni:

- 1) passerella a traversini o scaletta (carico concentrato su due estremità)
- 2) passerella a fondo continuo (carico uniformemente distribuito)
- 3) portacavi, tubi o altro concentrato in punta.

I dati di carico in tabella sono il SWL, ossia il Carico di Lavoro in Sicurezza e la relativa deflessione nella situazioni di carico 1). Con l’applicazione del coefficiente di adeguamento della freccia “f” indicato in corrispondenza degli altri due schemi, si possono ottenere anche i valori di freccia nelle altre due situazioni di carico. Il rinvio alla pag. XXX per le mensole in acciaio INOX è per spiegare che la capacità di carico di queste mensole sia in AISI 304 che in AISI 316L, è inferiore del 25% circa di quelle in acciaio in carbonio zincato, mantenendo inalterati i valori di freccia.

Di seguito descriviamo due esemplificazioni:

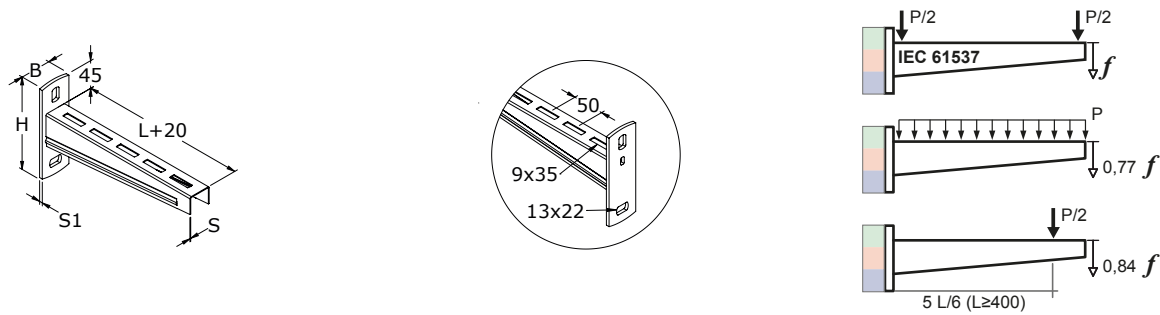
Codice mensola A0E57S7J600MU:

- schema 1: P=200daN; f=6,5 mm
- schema 2: P=200daN; f=5,0 mm (=6,5 x 0,77)
- schema 3: P=200/2=100daN; f=5,5 mm (=6,5 x 0,84)

Codice mensola A0J57S7J600MU:

- schema 1: P=150daN (=200-25%); f=6,5 mm
- schema 2: P=150daN (=200-25%); f=5,0 mm (=6,5 x 0,77)
- schema 3: P=75daN (=200/2-25%); f=5,5 mm (=6,5 x 0,84)

Guide to load capacity calculation of brackets



57S-200 BI-BAND bracket

B mm	H mm	L mm	S mm	P daN	f mm	Electrolytic	Painted	AISI 304 S.S.	⚖ kg/pz	Hot-dip galvan.	⚖ kg/pz
50	150	400	1,5	200	4,2	A0E57S7J400KT	A0V57S7J400KT	A0J57S7J400KT	0,87	A0Z57S7J400KT	0,92
50	175	500	2,0	200	5,1	A0E57S7J500MU	A0V57S7J500MU	A0J57S7J500MU	1,33	A0Z57S7J500MU	1,40
50	175	600	2,0	200	6,5	A0E57S7J600MU	A0V57S7J600MU	A0J57S7J600MU	1,73	A0Z57S7J600MU	1,81

The part of the catalogue page shown above, is used only as an exemple of the data given for each bracket inside the section "standard and special bracket" of the catalogue itself. We remind that schemes and values in the table for each article, are obtained in conformity with the IEC 61537 norm. The schemes show the most common cable tray/bracket load situations:

- 1) ladder tray (load concentraded on two ends)
- 2) solid bottom cable tray (uniformly distributed load)
- 3) cable trays, pipes or other products concentrated on the point

The load on the table show the SWL, that is the Safe Working Load and the respective deflection in the above mentioned load situation 1). With the applications of the deflection adjustment coefficient "f" shown in correspondance of the other two schemes, it is also possible to obtain the deflection values in the other two load situation. The cross-reference to pag. XXX for the stainless still brackets is in order to explain that the load capacity of these brackets, both in AISI 304 and AISI 316L, is lower by about 25% than the ones in galvanized carbon still, keeping the deflection values unchanged.

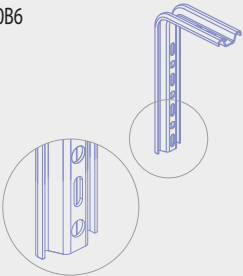
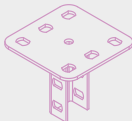
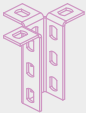
Here below we described two examples:

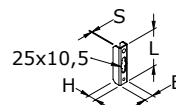
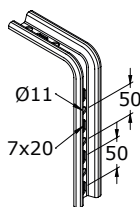
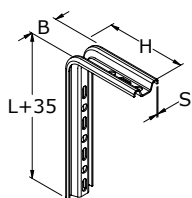
Code bracket A0E57S7J600MU:

- scheme 1: $P=200\text{daN}$; $f=6,5\text{ mm}$
- scheme 2: $P=200\text{daN}$; $f=5,0\text{ mm}$ ($=6,5 \times 0,77$)
- scheme 3: $P=200/2=100\text{daN}$; $f=5,5\text{ mm}$ ($=6,5 \times 0,84$)

Code bracket A0J57S7J600MU:

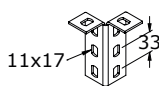
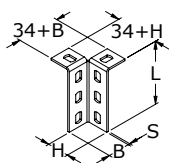
- scheme 1: $P=150\text{daN}$ ($=200-25\%$); $f=6,5\text{ mm}$
- scheme 2: $P=150\text{daN}$ ($=200-25\%$); $f=5,0\text{ mm}$ ($=6,5 \times 0,77$)
- scheme 3: $P=75\text{daN}$ ($=200/2-25\%$); $f=5,5\text{ mm}$ ($=6,5 \times 0,84$)

10B6 	23K4 	13HX 	24K4 
14HX 	15KX 	16KX_A 	16KX_B 
16KX_C 	22K4 	12GX 	23K4 
13GX 	15KX 	23K4D 	23K4I 
25K6N 			



Supporto 10 Omega e distanziatore / 10 Omega support and spacer

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
45	130	100	2,0	A0S10B6R100M	A0V10B6R100M	A0I10B6R100M	0,24	A0Z10B6R100M	0,25
45	130	200	2,0	A0S10B6R200M	A0V10B6R200M	A0I10B6R200M	0,34	A0Z10B6R200M	0,36
45	130	300	2,0	A0S10B6R300M	A0V10B6R300M	A0I10B6R300M	0,44	A0Z10B6R300M	0,46
45	130	400	2,0	A0S10B6R400M	A0V10B6R400M	A0I10B6R400M	0,54	A0Z10B6R400M	0,57
45	130	500	2,0	A0S10B6R500M	A0V10B6R500M	A0I10B6R500M	0,64	A0Z10B6R500M	0,67
45	130	600	2,0	A0S10B6R600M	A0V10B6R600M	A0I10B6R600M	0,74	A0Z10B6R600M	0,78
15	13	60	1,5	A0S70S1A060K	A0V70S1A060K	A0I70S1A060K	0,02	A0Z70S1A060K	0,02



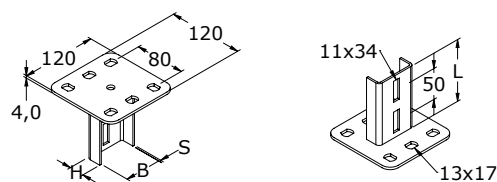
Supporto 12-L per profilo 32-L 11/33 / 12-L support for profile 32-L 11/33

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
30	30	98	3,0	A0S12GXF030Q	A0V12GXF030Q	A0I12GXF030Q	0,15	A0Z12GXF030Q	0,15
35	35	98	3,0	A0S12GXH035Q	A0V12GXH035Q	A0I12GXH035Q	0,18	A0Z12GXH035Q	0,18
40	40	98	3,0	A0S12GXI040Q	A0V12GXI040Q	A0I12GXI040Q	0,20	A0Z12GXI040Q	0,21
45	45	98	3,0	A0S12GXJ045Q	A0V12GXJ045Q	A0I12GXJ045Q	0,23	A0Z12GXJ045Q	0,25
50	50	98	3,0	A0S12G XK050Q	A0V12G XK050Q	A0I12G XK050Q	0,26	A0Z12G XK050Q	0,28



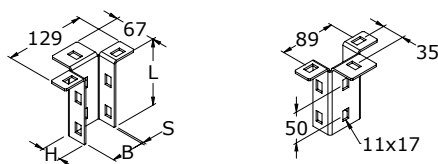
Supporto 13 per profilo 33-U 11/50 / 13 support for 33-U 11/50 channel

B mm	H mm	L mm	S mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz
55	18	107	3,0	A0S13HXP055Q	A0V13HXP055Q	A0I13HXP055Q	0,28	A0Z13HXP055Q	0,3



Supporto 23 per profilo 33-U 11/50 / 23 support for 33-U 11/50 channel

B mm	H mm	L mm	S mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
55	18	100	3,0	A0E23K4C055QS	A0V23K4C055QS	A0J23K4C055QS	0,67	A0Z23K4C055QS	0,69



Supporto 14-U per profilo 34-C 11/50/ 14-U support for 34-C 11/50 channel

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
50	30	107	3,0	A0S14HXF050Q	A0V14HXF050Q	A0I14HXF050Q	0,36	A0Z14HXF050Q	0,38



Technical drawing of a rectangular block with dimensions L , B , H , S , and 50 . The front face features a smiley face, and the side face has a 13×20 hole.

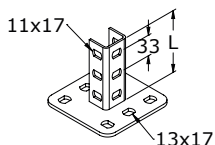
	B mm	H mm	L mm	S mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz
A	43	118	130	2,0	A0S15KXQ040M	A0V15KXQ040M	A0I15KXQ040M	0,46	A0Z15KXQ040M	0,48
B	53	110	130	2,0	A0S15KXQ050M	A0V15KXQ050M	A0I15KXQ050M	0,45	A0Z15KXQ050M	0,47
A	43	118	130	3,0	A0S15KXQ040Q	A0V15KXQ040Q	A0I15KXQ040Q	0,69	A0Z15KXQ040Q	0,71
B	53	110	130	3,0	A0S15KXQ050Q	A0V15KXQ050Q	A0I15KXQ050Q	0,68	A0Z15KXQ050Q	0,70
C	53	110	130	3,0	A0S15KXQ050QS	A0V15KXQ050QS	A0I15KXQ050QS	0,68	A0Z15KXQ050QS	0,70

59



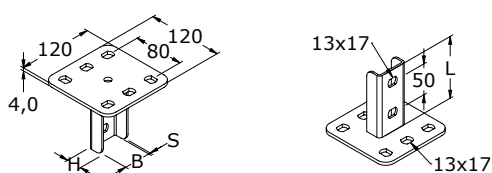
Technical drawings of two plates. The left drawing shows a square plate with a central hole. The plate has a side length of 120 mm and a thickness of 4,0 mm. The central hole has a diameter of 80 mm. The plate is shown in a perspective view with dimensions 120, 80, 120, and 4,0. The right drawing shows a rectangular plate with a central hole. The plate has a width of 11x17 mm and a height of 13x17 mm. The central hole has a diameter of 33 mm. The plate is shown in a perspective view with dimensions 11x17, 33, and 13x17.

B mm	H mm	L mm	S mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz
30	30	100	3,0	A0E22K4F030QS	A0V22K4F030QS	A0J22K4F030QS	0,56	A0Z22K4F030QS	0,54
35	35	100	3,0	A0E22K4H035QS	A0V22K4H035QS	A0J22K4H035QS	0,59	A0Z22K4H035QS	0,55
40	40	100	3,0	A0E22K4I040QS	A0V22K4I040QS	A0J22K4I040QS	0,61	A0Z22K4I040QS	0,59
45	45	100	4,0	A0E22K4J045ST	A0V22K4J045ST	A0J22K4J045ST	0,81	A0Z22K4J045ST	0,78
50	50	100	4,0	A0E22K4K050ST	A0V22K4K050ST	A0J22K4K050ST	0,84	A0Z22K4K050ST	0,81



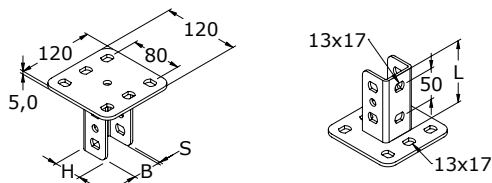
Supporto 23-U per profilo 33-U 9/33, 11/33 / 23-U support for profile 33-U 9/33, 11/33

B mm	H mm	L mm	S mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz
30	25	120	3,0	A0E23K4E030QS	A0V23K4E030QS	A0J23K4E030QS	0,63	A0Z23K4E030QS	0,6
35	30	120	3,0	A0E23K4F035QS	A0V23K4F035QS	A0J23K4F035QS	0,65	A0Z23K4F035QS	0,63
40	35	120	3,0	A0E23K4H040QS	A0V23K4H040QS	A0J23K4H040QS	0,69	A0Z23K4H040QS	0,66
40	40	120	3,0	A0E23K4I040QS	A0V23K4I040QS	A0J23K4I040QS	0,66	A0Z23K4I040QS	0,64
45	40	120	4,0	A0E23K4I045ST	A0V23K4I045ST	A0J23K4I045ST	0,90	A0Z23K4I045ST	0,88
50	40	120	4,0	A0E23K4I050ST	A0V23K4I050ST	A0J23K4I050ST	0,95	A0Z23K4I050ST	0,92
60	40	150	4,0	A0E23K5I060ST	A0V23K5I060ST	A0J23K5I060ST	1,10	A0Z23K5I060ST	1,12
70	50	150	4,0	A0E23K5K070ST	A0V23K5K070ST	A0J23K5K070ST	1,16	A0Z23K5K070ST	1,19



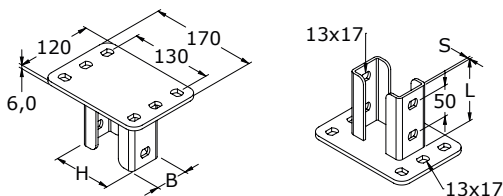
Supporto 23-UR 1/40x22 saldato / 23-U 1/40x22 welded support

B mm	H mm	L mm	S mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz
40	22	100	3,0	A0E23K4D040QS	A0V23K4D040QS	A0J23K4D040QS	0,60	A0Z23K4D040QS	0,62



Supporto 23-UR 1/40x40 saldato / 23-U 1/40x40 welded support

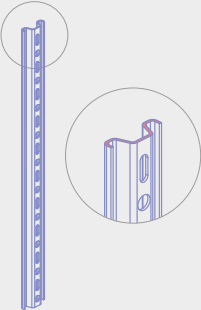
B mm	H mm	L mm	S mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
40	40	100	4,0	A0E23K4I040ST	A0V23K4I040ST	A0J23K4I040ST	0,90	A0Z23K4I040ST	0,89

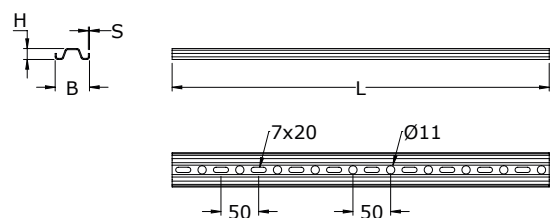


Supporto 25-UR 1/40x80 saldato / 25-U 1/40x80 welded support

B mm	H mm	L mm	S mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
40	80	100	4,0	A0E25K6N040SU	A0V25K6N040SU	A0J25K6N040SU	1,47	A0Z25K6N040SU	1,47

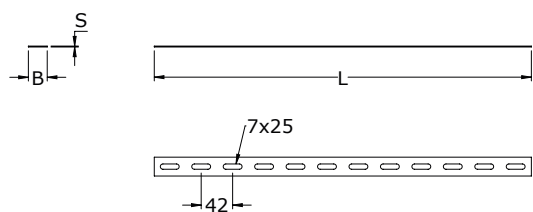
Profilati standard
Standard channels

30B3 	31C3 	33C3A 	34J3 
32G3 	33D3 	40X3D 	40R3D 
40X3I 	40R3I 	41S3 	42X3 
42R3 	43S3 		



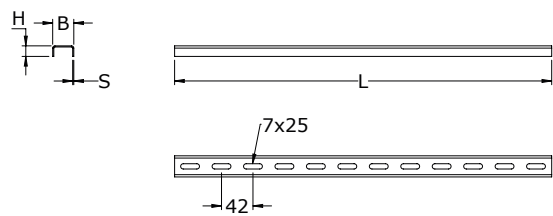
Profilato OMEGA / OMEGA channel

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/m	Zincato a caldo Hot-dip galvan.	⚖ kg/m
45	15	-	2,0	A0S30B3B045M	A0V30B3B045M	A0I30B3B045M	0,84	A0Z30B3B045M	0,88



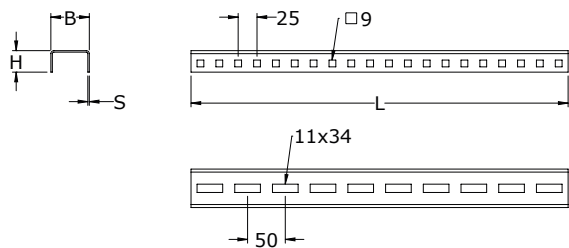
Bandella 31-P 7/42 / 31P 7/42 metal strip

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/m	Zincato a caldo Hot-dip galvan.	⚖ kg/m
25	-	-	0,8	A0S31C3X025D	A0V31C3X025D	A0I31C3X025D	0,13	A0Z31C3X025D	0,15
25	-	-	1,0	A0S31C3X025F	A0V31C3X025F	A0I31C3X025F	0,17	A0Z31C3X025F	0,18
25	-	-	1,2	A0S31C3X025H	A0V31C3X025H	A0I31C3X025H	0,20	A0Z31C3X025H	0,21
25	-	-	1,5	A0S31C3X025K	A0V31C3X025K	A0I31C3X025K	0,25	A0Z31C3X025K	0,26
25	-	-	2,0	A0S31C3X025M	A0V31C3X025M	A0I31C3X025M	0,33	A0Z31C3X025M	0,35



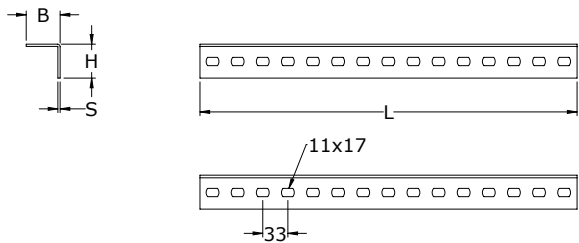
Profilo 33-C 7/42 / 33-C 7/42 channel

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/m	Zincato a caldo Hot-dip galvan.	⚖ kg/m
25	12	-	1,0	A0S33C3A025F	A0V33C3A025F	A0I33C3A025F	0,36	A0Z33C3A025F	0,39
25	12	-	1,2	A0S33C3A025H	A0V33C3A025H	A0I33C3A025H	0,43	A0Z33C3A025H	0,47
25	12	-	1,5	A0S33C3A025K	A0V33C3A025K	A0I33C3A025K	0,54	A0Z33C3A025K	0,57
25	12	-	2,0	A0S33C3A025M	A0V33C3A025M	A0I33C3A025M	0,72	A0Z33C3A025M	0,76



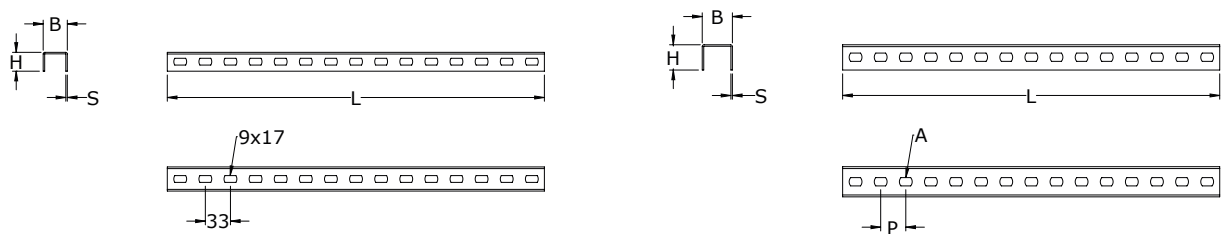
Supporto 34-C 11/50 / 34-C 11/50 channel

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/m	Zincato a caldo Hot-dip galvan.	⚖ kg/m
50	30	-	1,5	A0S34J3F050K	A0V34J3F050K	A0I34J3F050K	0,99	A0Z34J3F050K	1,05
50	30	-	2,0	A0S34J3F050M	A0V34J3F050M	A0I34J3F050M	1,33	A0Z34J3F050M	1,39
50	30	-	2,5	A0S34J3F050P	A0V34J3F050P	A0I34J3F050P	1,66	A0Z34J3F050P	1,72
50	30	-	3,0	A0S34J3F050Q	A0V34J3F050Q	A0I34J3F050Q	1,99	A0Z34J3F050Q	2,05



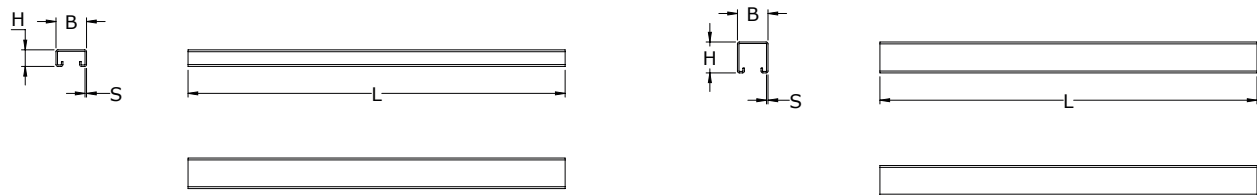
Profilato 32-L 11/33 / 32-L 11/33 channel

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/m	Zincato a caldo Hot-dip galvan.	⚖ kg/m
30	30	-	2,5	A0S32G3F030P	A0V32G3F030P	A0I32G3F030P	0,98	A0Z32G3F030P	1,02
30	30	-	3,0	A0S32G3F030Q	A0V32G3F030Q	A0I32G3F030Q	1,18	A0Z32G3F030Q	1,21
35	35	-	2,5	A0S32G3H035P	A0V32G3H035P	A0I32G3H035P	1,18	A0Z32G3H035P	1,22
35	35	-	3,0	A0S32G3H035Q	A0V32G3H035Q	A0I32G3H035Q	1,41	A0Z32G3H035Q	1,46
40	40	-	3,0	A0S32G3I040Q	A0V32G3I040Q	A0I32G3I040Q	1,65	A0Z32G3I040Q	1,70
45	45	-	3,0	A0S32G3J045Q	A0V32G3J045Q	A0I32G3J045Q	1,88	A0Z32G3J045Q	1,94
50	50	-	3,0	A0S32G3K050Q	A0V32G3K050Q	A0I32G3K050Q	2,12	A0Z32G3K050Q	2,18



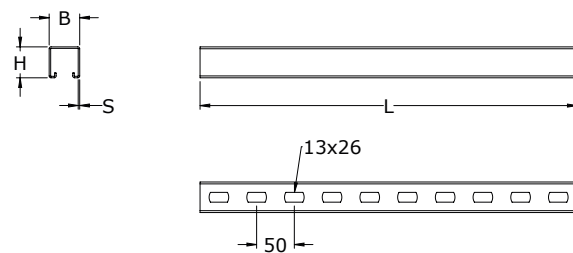
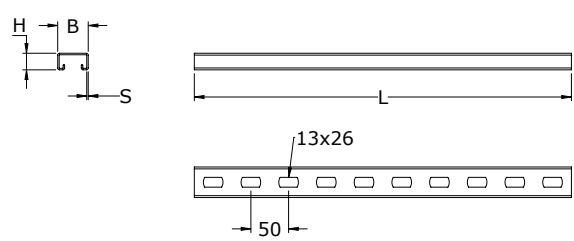
Profilato 33-U 9/33 - 11/33 / 33-U 9/33 - 11/33 channel

B mm	H mm	P mm	A mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/m	Zincato a caldo Hot-dip galvan.	⚖ kg/m
30	25	-	-	2,0	A0S33D3E030M	A0V33D3E030M	A0I33D3E030M	1,00	A0Z33D3E030M	1,04
30	25	-	-	2,5	A0S33D3E030P	A0V33D3E030P	A0I33D3E030P	1,24	A0Z33D3E030P	1,29
35	30	-	-	2,5	A0S33D3F035P	A0V33D3F035P	A0I33D3F035P	1,50	A0Z33D3F035P	1,55
40	35	33	11X17	2,0	A0S33G3H040M	A0V33G3H040M	A0I33G3H040M	1,33	A0Z33G3H040M	1,40
40	35	33	11X17	2,5	A0S33G3H040P	A0V33G3H040P	A0I33G3H040P	1,67	A0Z33G3H040P	1,73
40	35	33	11X17	3,0	A0S33G3H040Q	A0V33G3H040Q	A0I33G3H040Q	2,00	A0Z33G3H040Q	2,06
40	40	33	11X17	2,0	A0S33G3I040M	A0V33G3I040M	A0I33G3I040M	1,33	A0Z33G3I040M	1,40
45	40	33	11X17	2,5	A0S33G3I045P	A0V33G3I045P	A0I33G3I045P	1,86	A0Z33G3I045P	1,93
50	40	33	11X17	3,0	A0S33G3I050Q	A0V33G3I050Q	A0I33G3I050Q	2,50	A0Z33G3I050Q	2,57
60	40	33	11X17	3,0	A0S33G3I060Q	A0V33G3I060Q	A0I33G3I060Q	2,83	A0Z33G3I060Q	2,91
60	40	33	11X17	4,0	A0S33G3I060S	A0V33G3I060S	A0I33G3I060S	3,77	A0Z33G3I060S	3,85
70	50	33	11X17	3,0	A0S33G3K070Q	A0V33G3K070Q	A0I33G3K070Q	3,34	A0Z33G3K070Q	3,45
70	50	33	11X17	4,0	A0S33G3K070S	A0V33G3K070S	A0I33G3K070S	4,46	A0Z33G3K070S	4,56
40	35	50	11X20	2,0	A0S33L3H040M	A0V33L3H040M	A0I33L3H040M	1,35	A0Z33L3H040M	1,41
40	35	50	11X20	2,5	A0S33L3H040P	A0V33L3H040P	A0I33L3H040P	1,69	A0Z33L3H040P	1,75
40	35	50	11X20	3,0	A0S33L3H040Q	A0V33L3H040Q	A0I33L3H040Q	2,03	A0Z33L3H040Q	2,09
40	40	50	11X20	2,0	A0S33L3I040M	A0V33L3I040M	A0I33L3I040M	1,35	A0Z33L3I040M	1,41
45	40	50	11X20	2,5	A0S33L3I045P	A0V33L3I045P	A0I33L3I045P	1,89	A0Z33L3I045P	1,95
50	40	50	11X20	3,0	A0S33L3I050Q	A0V33L3I050Q	A0I33L3I050Q	2,52	A0Z33L3I050Q	2,60
60	40	50	11X20	3,0	A0S33L3I060Q	A0V33L3I060Q	A0I33L3I060Q	2,85	A0Z33L3I060Q	2,94
60	40	50	11X20	4,0	A0S33L3I060S	A0V33L3I060S	A0I33L3I060S	3,80	A0Z33L3I060S	3,89
70	50	50	11X20	3,0	A0S33L3K070Q	A0V33L3K070Q	A0I33L3K070Q	3,37	A0Z33L3K070Q	3,47
70	50	50	11X20	4,0	A0S33L3K070S	A0V33L3K070S	A0I33L3K070S	4,49	A0Z33L3K070S	4,60



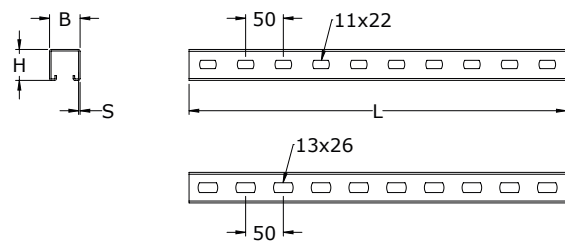
Profilato UR1 non forato / UR1 non perforated channel

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/m	Zincato a caldo Hot-dip galvan.	⚖ kg/m
40	22	-	1,5	A0S40X3D040K	A0V40X3D040K	A0I40X3D040K	1,18	A0Z40X3D040K	1,25
40	22	-	2,0	A0S40X3D040M	A0V40X3D040M	A0I40X3D040M	1,52	A0Z40X3D040M	1,59
40	22	-	2,5	A0S40X3D040P	A0V40X3D040P	A0I40X3D040P	1,84	A0Z40X3D040P	1,91
40	40	-	1,5	A0S40X3I040K	A0V40X3I040K	A0I40X3I040K	1,62	A0Z40X3I040K	1,72
40	40	-	2,0	A0S40X3I040M	A0V40X3I040M	A0I40X3I040M	2,12	A0Z40X3I040M	2,22
40	40	-	2,5	A0S40X3I040P	A0V40X3I040P	A0I40X3I040P	2,59	A0Z40X3I040P	2,68



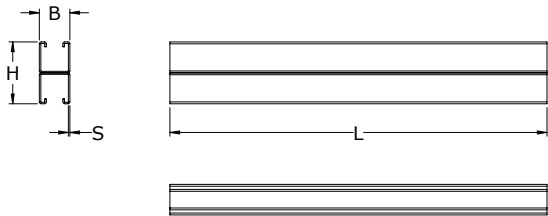
Profilato UR1 forato in base / UR1 perforated on the base

B mm	H mm	L m	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚡ kg/m	Zincato a caldo Hot-dip galvan.	⚡ kg/m
40	22	-	1,5	A0S40R3D040K	A0V40R3D040K	A0I40R3D040K	1,10	A0Z40R3D040K	1,17
40	22	-	2,0	A0S40R3D040M	A0V40R3D040M	A0I40R3D040M	1,42	A0Z40R3D040M	1,49
40	22	-	2,5	A0S40R3D040P	A0V40R3D040P	A0I40R3D040P	1,72	A0Z40R3D040P	1,78
40	40	-	1,5	A0S40R3I040K	A0V40R3I040K	A0I40R3I040K	1,55	A0Z40R3I040K	1,64
40	40	-	2,0	A0S40R3I040M	A0V40R3I040M	A0I40R3I040M	2,02	A0Z40R3I040M	2,11
40	40	-	2,5	A0S40R3I040P	A0V40R3I040P	A0I40R3I040P	2,44	A0Z40R3I040P	2,53
40	40	6	2,0	A0S40R6I040M	A0V40R6I040M	A0I40R6I040M	2,02	A0Z40R6I040M	2,11
40	40	6	2,5	A0S40R6I040P	A0V40R6I040P	A0I40R6I040P	2,44	A0Z40R6I040P	2,53



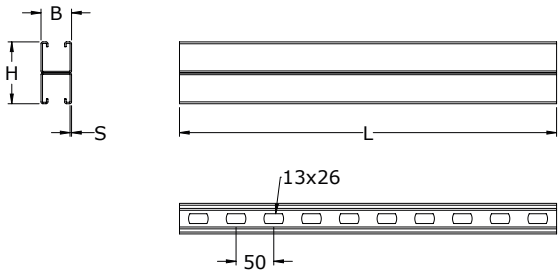
Profilato UR1 forato / UR1 perforated channel

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚡ kg/m	Zincato a caldo Hot-dip galvan.	⚡ kg/m
40	40	-	1,5	A0S41S3I040K	A0V41S3I040K	A0I41S3I040K	1,44	A0Z41S3I040K	1,53
40	40	-	2,0	A0S41S3I040M	A0V41S3I040M	A0I41S3I040M	1,87	A0Z41S3I040M	1,96
40	40	-	2,5	A0S41S3I040P	A0V41S3I040P	A0I41S3I040P	2,28	A0Z41S3I040P	2,36



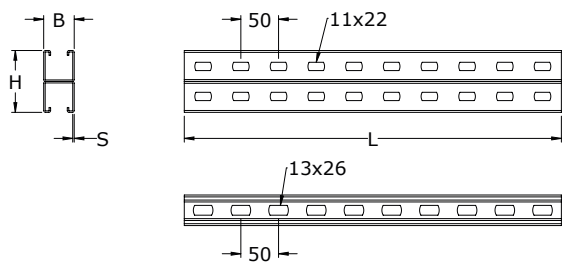
Profilato UR1 doppio non forato / *UR1 non perforated double channel*

B mm	H mm	-	S mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/m
40	80	-	2,0	A0S42X3I040M	A0V42X3I040M	A0I42X3I040M	4,24	A0Z42X3I040M	4,43
40	80	-	2,5	A0S42X3I040P	A0V42X3I040P	A0I42X3I040P	5,18	A0Z42X3I040P	5,37



Profilato UR1 doppio forato in base / *UR1 double channel perforated on the base*

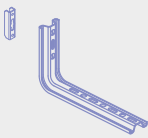
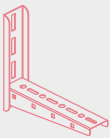
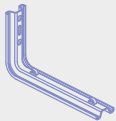
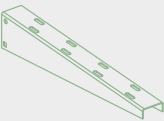
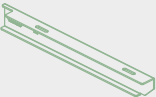
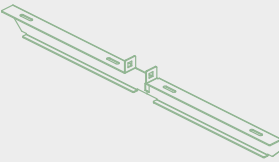
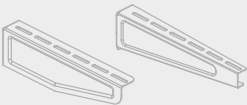
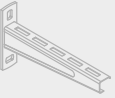
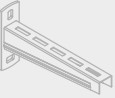
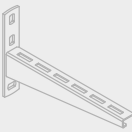
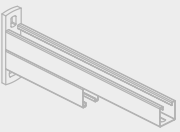
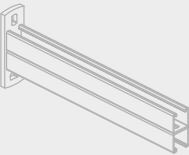
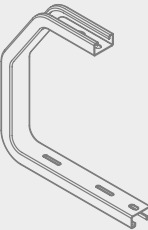
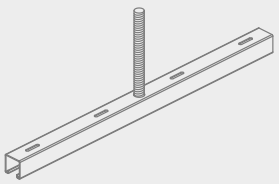
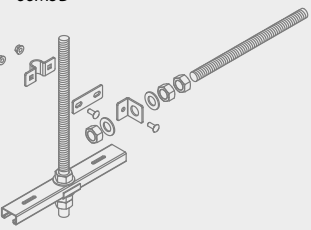
B mm	H mm	-	S mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/m
40	80	-	2,0	A0S42R3I040M	A0V42R3I040M	A0I42R3I040M	4,04	A0Z42R3I040M	4,22
40	80	-	2,5	A0S42R3I040P	A0V42R3I040P	A0I42R3I040P	4,93	A0Z42R3I040P	5,11



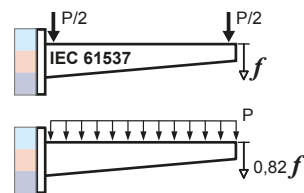
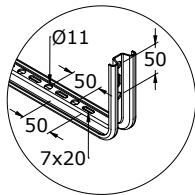
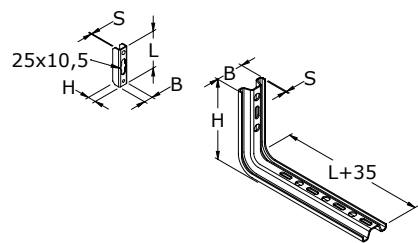
Profilato UR1 doppio forato / *UR1 perforated double channel*

B mm	H mm	-	S mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/m
40	80	-	2,0	A0S43S3I040M	A0V43S3I040M	A0I43S3I040M	3,75	A0Z43S3I040M	3,91
40	80	-	2,5	A0S43S3I040P	A0V43S3I040P	A0I43S3I040P	4,56	A0Z43S3I040P	4,73

Mensole standard
Standard brackets

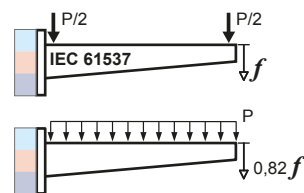
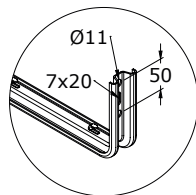
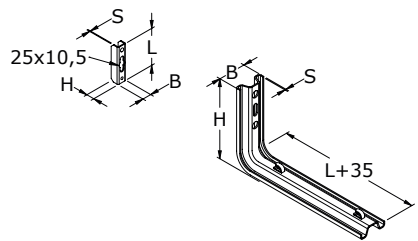
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55S5 	58S7 	59S7 	60S7 
84M5 	88M5I 	88M5D 	

Mensole
Brackets



Mensola 10 OMEGA e distanziatore per profilo / 10 Omega bracket and channel spacer

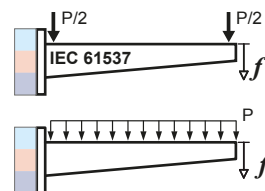
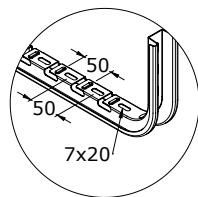
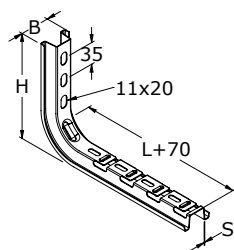
B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
45	130	75	2,0	80	2,6	A0S10B6R075M	A0V10B6R075M	A0I10B6R075M	0,22	A0Z10B6R075M	0,23
45	130	100	2,0	75	3,4	A0S10B6R100M	A0V10B6R100M	A0I10B6R100M	0,24	A0Z10B6R100M	0,25
45	130	150	2,0	60	5,5	A0S10B6R150M	A0V10B6R150M	A0I10B6R150M	0,29	A0Z10B6R150M	0,30
45	130	200	2,0	45	9,1	A0S10B6R200M	A0V10B6R200M	A0I10B6R200M	0,34	A0Z10B6R200M	0,36
45	130	300	2,0	35	11,9	A0S10B6R300M	A0V10B6R300M	A0I10B6R300M	0,44	A0Z10B6R300M	0,46
15	13	60	1,5	-	-	A0S70S1A060K	A0V70S1A060K	A0I70S1A060K	0,02	A0Z70S1A060K	0,02



Mensola Omega PBR e distanziatore per profilo / PBR Omega bracket and channel spacer

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
45	130	100	2,0	75	2,9	A0S10Q6R100M	A0V10Q6R100M	A0I10Q6R100M	0,26	A0Z10Q6R100M	0,27
45	130	150	2,0	60	4,7	A0S10Q6R150M	A0V10Q6R150M	A0I10Q6R150M	0,32	A0Z10Q6R150M	0,34
45	130	200	2,0	45	7,8	A0S10Q6R200M	A0V10Q6R200M	A0I10Q6R200M	0,37	A0Z10Q6R200M	0,39
45	130	300	2,0	35	10,2	A0S10Q6R300M	A0V10Q6R300M	A0I10Q6R300M	0,48	A0Z10Q6R300M	0,50
15	13	60	1,5	-	-	A0S70S1A060K	A0V70S1A060K	A0I70S1A060K	0,02	A0Z70S1A060K	0,02

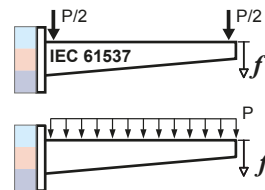
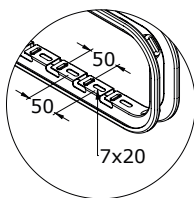
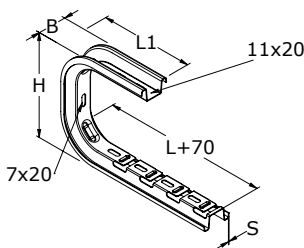
Mensole
Brackets



Mensola Omega PRA / Omega PRA bracket

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
47	170	150	1,2	98	7,5	B4S70U150	B4I70U150	B4Y70U150	0,26	B4Z70U150	0,27
47	170	200	1,2	86	10,0	B4S70U200	B4I70U200	B4Y70U200	0,29	B4Z70U200	0,31
47	170	300	1,2	51	15,0	B4S70U300	B4I70U300	B4Y70U300	0,35	B4Z70U300	0,37
47	170	400	1,5	34	20,0	B4S70U400	B4I70U400	B4Y70U400	0,56	B4Z70U400	0,58
47	170	500	1,5	26	25,0	B4S70U500	B4I70U500	B4Y70U500	0,65	B4Z70U500	0,68

Per art. B4_70U150 "L+40" - Utilizzabile anche con passerella B=100mm
For the article B4_70U150 "L+40" - Usable also with cable tray B=100mm

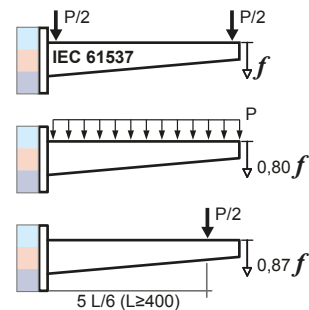
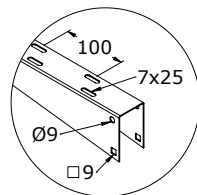
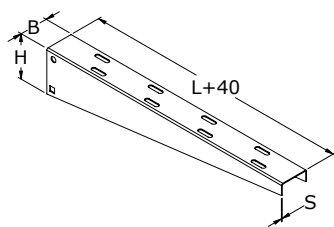


Mensola a soffitto Omega / Omega ceiling bracket

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
47	170	150	1,2	98	7,5	B4S70V150	B4I70V150	B4Y70V150	0,35	B4Z70V150	0,36
47	170	200	1,2	86	10,0	B4S70V200	B4I70V200	B4Y70V200	0,36	B4Z70V200	0,38
47	170	300	1,2	51	15,0	B4S70V300	B4I70V300	B4Y70V300	0,50	B4Z70V300	0,52
47	170	400	1,5	34	20,0	B4S70V400	B4I70V400	B4Y70V400	0,75	B4Z70V400	0,78
47	170	500	1,5	26	25,0	B4S70V500	B4I70V500	B4Y70V500	0,93	B4Z70V500	0,97

Per art. B4_70V150 "L+45" - Utilizzabile anche con passerella B=100mm
For the article B4_70V150 "L+45" - Usable also with cable tray B=100mm

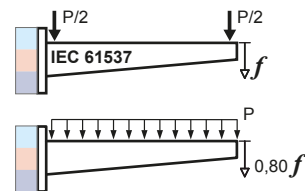
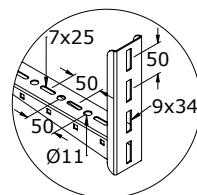
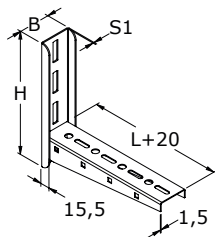
Mensole
Brackets



Mensola 54 incasso / 54 embedding bracket

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
50	50	100	1,5	120	4,4	A0S54U7X100K	A0V54U7X100K	A0I54U7X100K	0,17	A0Z54U7X100K	0,18
50	50	150	1,5	120	5,1	A0S54U7X150K	A0V54U7X150K	A0I54U7X150K	0,24	A0Z54U7X150K	0,25
50	50	200	1,5	120	6,0	A0S54U7X200K	A0V54U7X200K	A0I54U7X200K	0,30	A0Z54U7X200K	0,32
50	50	300	1,5	120	7,4	A0S54U7X300K	A0V54U7X300K	A0I54U7X300K	0,43	A0Z54U7X300K	0,45
50	75	400	1,5	120	8,5	A0S54U7X400K	A0V54U7X400K	A0I54U7X400K	0,68	A0Z54U7X400K	0,72
50	75	500	2,0	100	8,6	A0S54U7X500M	A0V54U7X500M	A0I54U7X500M	1,11	A0Z54U7X500M	1,16
50	75	600	2,0	100	9,9	A0S54U7X600M	A0V54U7X600M	A0I54U7X600M	1,32	A0Z54U7X600M	1,38

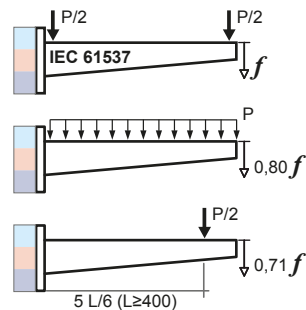
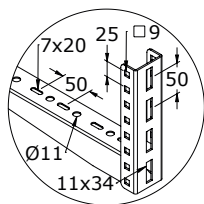
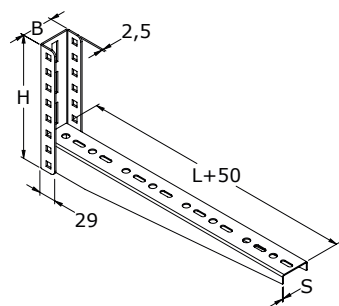
NOTA: da utilizzare con profilo 34-C 11/50
NOTE to be used with 34-C 11/50 profile



Mensola 53 saldata / 53 welded bracket

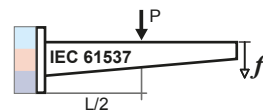
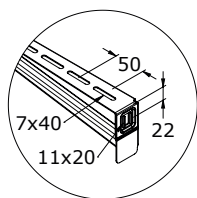
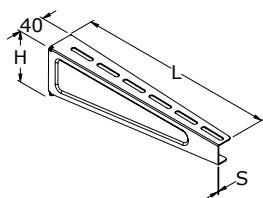
B mm	H mm	L mm	S1 mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
50	200	75	1,5	100	0,9	A0E53F7T075KK	A0V53F7T075KK	A0J53F7T075KK	0,24	A0Z53F7T075KK	0,26
50	200	100	1,5	100	1,2	A0E53F7T100KK	A0V53F7T100KK	A0J53F7T100KK	0,27	A0Z53F7T100KK	0,28
50	200	150	2,0	100	1,5	A0E53F7T150KM	A0V53F7T150KM	A0J53F7T150KM	0,37	A0Z53F7T150KM	0,39
50	200	200	2,0	100	1,8	A0E53F7T200KM	A0V53F7T200KM	A0J53F7T200KM	0,43	A0Z53F7T200KM	0,46
50	200	300	2,0	100	3,5	A0E53F7T300KM	A0V53F7T300KM	A0J53F7T300KM	0,56	A0Z53F7T300KM	0,59

Mensole
Brackets



Mensola 53 saldata / 53 welded bracket

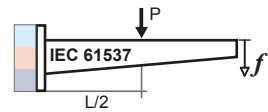
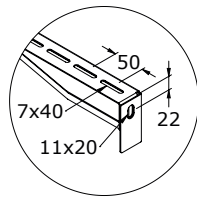
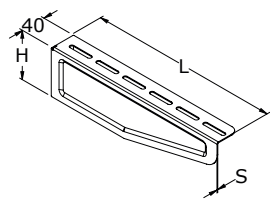
B mm	H mm	L mm	S mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
50	200	400	1,8	100	5,9	A0E53J7T400LP	A0V53J7T400LP	A0J53J7T400LP	0,99	A0Z53J7T400LP	1,04
50	200	500	2,0	90	8,0	A0E53J7T500MP	A0V53J7T500MP	A0J53J7T500MP	1,30	A0Z53J7T500MP	1,36
50	200	600	2,0	80	10,8	A0E53J7T600MP	A0V53J7T600MP	A0J53J7T600MP	1,51	A0Z53J7T600MP	1,58



Mensola 52S stampata / 52S pressed bracket

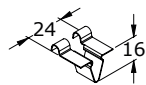
-	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
-	60	110	1,5	120	2,0	A0S52S5X100K	-	-	0,15	A0Z52S5X100K	0,16
-	60	160	1,5	120	3,0	A0S52S5X150K	-	-	0,20	A0Z52S5X150K	0,22
-	80	210	1,5	120	4,5	A0S52S5X200K	-	-	0,29	A0Z52S5X200K	0,31
-	80	260	1,5	120	7,0	A0S52S5X250K	-	-	0,35	A0Z52S5X250K	0,39
-	82	320	1,5	120	8,5	A0S52S5X300K	-	-	0,43	A0Z52S5X300K	0,47
-	82	420	1,5	120	9,0	A0S52S5X400K	-	-	0,49	A0Z52S5X400K	0,53
-	115	510	1,8	120	11,5	A0S52S5X500L	-	-	1,05	A0Z52S5X500L	1,15
-	115	610	2,0	120	15,0	A0S52S5X600M	-	-	1,44	A0Z52S5X600M	1,59

Mensole
Brackets



Mensola 52S stampata / 52S pressed bracket

-	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
-	60	110	1,5	120	3,5	-	-	A0I52S5X100K	0,15	A0Y52S5X100K	0,15
-	60	160	1,5	120	4,0	-	-	A0I52S5X150K	0,20	A0Y52S5X150K	0,20
-	80	210	1,5	120	5,0	-	-	A0I52S5X200K	0,29	A0Y52S5X200K	0,29
-	80	260	1,5	120	6,0	-	-	A0I52S5X250K	0,35	A0Y52S5X250K	0,35
-	85	310	1,5	120	7,0	-	-	A0I52S5X300L	0,49	A0Y52S5X300K	0,43
-	115	410	1,5	120	8,5	-	-	-		A0Y52S5X400K	0,72



Clip di fissaggio rete / Wire mesh fixing clip

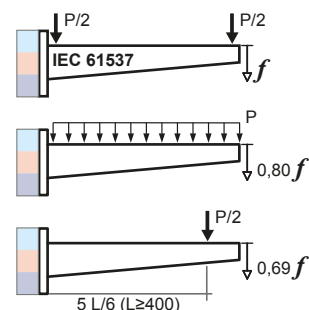
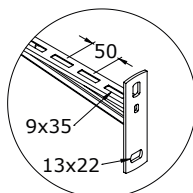
-	-	-	-	-	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 301 AISI 301 S.S.	⚖ kg/pz	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
-	-	-	-	-	-	-	-	B4Q41F	0,01	-	-

NOTA: da utilizzare con mensole 52S
NOTE: to be used with 52S bracket

Mensole *Brackets*



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-	M16 ↗



Mensola 56S-100 UNI-BAND / 56S-100 UNI-BAND bracket

H mm	L mm	S mm	S1 mm	P daN	f mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz
130	50	1,5	4,0	100	0,9	A0E56S5J050KS	A0V56S5J050KS	A0J56S5J050KS	0,20	A0Z56S5J050KS	0,21
130	75	1,5	4,0	100	1,1	A0E56S5J075KS	A0V56S5J075KS	A0J56S5J075KS	0,22	A0Z56S5J075KS	0,23
130	100	1,5	4,0	100	1,3	A0E56S5J100KS	A0V56S5J100KS	A0J56S5J100KS	0,24	A0Z56S5J100KS	0,25
130	150	1,5	4,0	100	1,7	A0E56S5J150KS	A0V56S5J150KS	A0J56S5J150KS	0,28	A0Z56S5J150KS	0,30
130	200	1,5	4,0	100	2,3	A0E56S5J200KS	A0V56S5J200KS	A0J56S5J200KS	0,32	A0Z56S5J200KS	0,34
150	250	1,5	5,0	100	3,0	A0E56S5J250KT	A0V56S5J250KT	A0J56S5J250KT	0,44	A0Z56S5J250KT	0,47
150	300	2,0	5,0	100	3,4	A0E56S5J300MT	A0V56S5J300MT	A0J56S5J300MT	0,55	A0Z56S5J300MT	0,57
150	350	2,0	5,0	100	4,2	A0E56S5J350MT	A0V56S5J350MT	A0J56S5J350MT	0,61	A0Z56S5J350MT	0,64
150	400	2,0	5,0	100	5,4	A0E56S5J400MT	A0V56S5J400MT	A0J56S5J400MT	0,68	A0Z56S5J400MT	0,71
175	500	2,0	6,0	100	6,2	A0E56S5J500MU	A0V56S5J500MU	A0J56S5J500MU	0,98	A0Z56S5J500MU	1,02
175	600	2,0	6,0	100	7,2	A0E56S5J600MU	A0V56S5J600MU	A0J56S5J600MU	1,15	A0Z56S5J600MU	1,20



Terminale di protezione in PP / PP end cap

-	-	-	-	-	-	-	-	Plastica Plastic	kg/pz	-	-
-	-	-	-	-	-	-	-	A0P56S	0,01	-	-

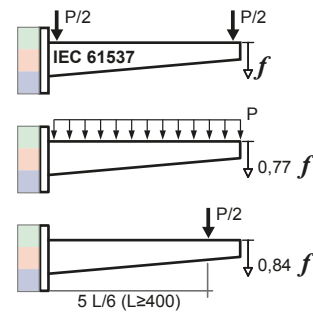
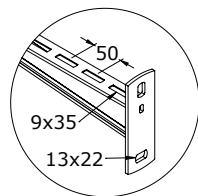
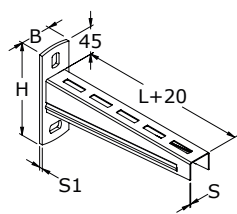
Mensole
Brackets



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M17 ↗



Mensola 57S-200 BI-BAND / 57S-200 BI-BAND bracket

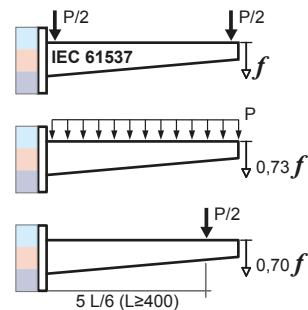
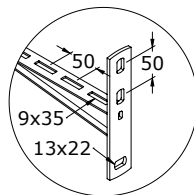
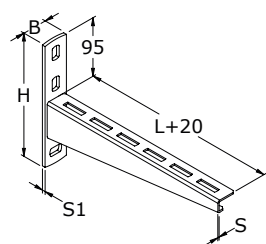
B mm	H mm	L mm	S mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	↗ kg/pz	Zincato a caldo Hot-dip galvan.	↗ kg/pz
50	130	50	1,5	200	2,6	A0E57S7J050KS	A0V57S7J050KS	A0J57S7J050KS	0,26	A0Z57S7J050KS	0,27
50	130	75	1,5	200	2,8	A0E57S7J075KS	A0V57S7J075KS	A0J57S7J075KS	0,29	A0Z57S7J075KS	0,31
50	130	100	1,5	200	3,0	A0E57S7J100KS	A0V57S7J100KS	A0J57S7J100KS	0,32	A0Z57S7J100KS	0,34
50	130	150	1,5	200	3,2	A0E57S7J150KS	A0V57S7J150KS	A0J57S7J150KS	0,38	A0Z57S7J150KS	0,41
50	130	200	1,5	200	3,4	A0E57S7J200KS	A0V57S7J200KS	A0J57S7J200KS	0,45	A0Z57S7J200KS	0,48
50	150	250	1,5	200	3,6	A0E57S7J250KT	A0V57S7J250KT	A0J57S7J250KT	0,61	A0Z57S7J250KT	0,65
50	150	300	1,5	200	3,8	A0E57S7J300KT	A0V57S7J300KT	A0J57S7J300KT	0,69	A0Z57S7J300KT	0,73
50	150	350	1,5	200	4,0	A0E57S7J350KT	A0V57S7J350KT	A0J57S7J350KT	0,78	A0Z57S7J350KT	0,82
50	150	400	1,5	200	4,2	A0E57S7J400KT	A0V57S7J400KT	A0J57S7J400KT	0,87	A0Z57S7J400KT	0,92
50	175	500	2,0	200	5,1	A0E57S7J500MU	A0V57S7J500MU	A0J57S7J500MU	1,33	A0Z57S7J500MU	1,40
50	175	600	2,0	200	6,5	A0E57S7J600MU	A0V57S7J600MU	A0J57S7J600MU	1,73	A0Z57S7J600MU	1,81



Terminale di protezione in PP / PP end cap

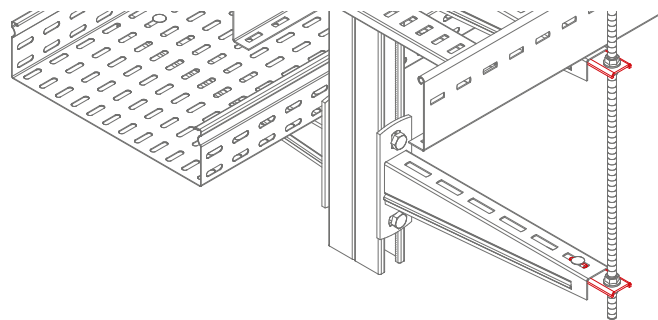
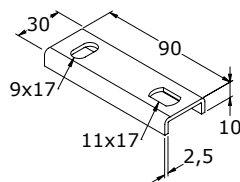
-	-	-	-	-	-	-	-	Plastica Plastic	↗ kg/pz	-	-
-	-	-	-	-	-	-	-	A0P57S	0,01	-	-

Mensole
Brackets



Mensola A2 55S-200 / 55S-200 bracket

H mm	L mm	S mm	S1 mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
180	100	1,5	3,0	200	2,6	A0E55S5P100KQ	A0V55S5P100KQ	A0J55S5P100KQ	0,23	A0Z55S5P100KQ	0,25
180	150	1,5	3,0	200	3,1	A0E55S5P150KQ	A0V55S5P150KQ	A0J55S5P150KQ	0,27	A0Z55S5P150KQ	0,29
180	200	2,0	4,0	200	3,5	A0E55S5P200MS	A0V55S5P200MS	A0J55S5P200MS	0,42	A0Z55S5P200MS	0,44
200	300	2,5	5,0	200	4,4	A0E55S5P300PT	A0V55S5P300PT	A0J55S5P300PT	0,72	A0Z55S5P300PT	0,75
200	400	3,0	5,0	200	6,8	A0E55S5P400QT	A0V55S5P400QT	A0J55S5P400QT	1,04	A0Z55S5P400QT	1,07
225	500	3,0	6,0	200	7,6	A0E55S5P500QU	A0V55S5P500QU	A0J55S5P500QU	1,40	A0Z55S5P500QU	1,44
225	600	3,0	6,0	200	8,2	A0E55S5P600QU	A0V55S5P600QU	A0J55S5P600QU	1,69	A0Z55S5P600QU	1,74
250	700	4,0	8,0	200	7,6	A0E55S5P700SV	A0V55S5P700SV	A0J55S5P700SV	2,73	A0Z55S5P700SV	2,79
250	800	4,0	8,0	200	8,1	A0E55S5P800SV	A0V55S5P800SV	A0J55S5P800SV	3,19	A0Z55S5P800SV	3,26
280	900	4,0	8,0	200	8,7	A0E55S5P900SV	A0V55S5P900SV	A0J55S5P900SV	3,77	A0Z55S5P900SV	3,85
280	1000	4,0	8,0	200	8,5	A0E55S5P999SV	A0V55S5P999SV	A0J55S5P999SV	4,30	A0Z55S5P999SV	4,39



Piastra di connessione barra filettata-mensola / Threaded rod-bracket connection plate

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
-	-	-	-	-	-	A0S5F	-	A0I5F	0,07	A0Z5F	0,07

NOTA: da utilizzare con mensola 57S
NOTE: to be used with 57S bracket

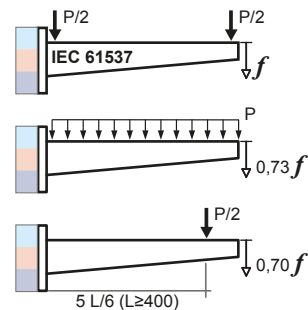
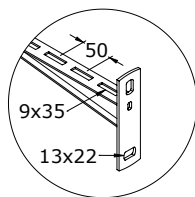
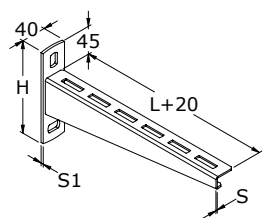
Mensole
Brackets



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M18 ↗



Mensola 55S-200 / 55S-200 bracket

H mm	L mm	S mm	S1 mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	↗ kg/pz	Zincato a caldo Hot-dip galvan.	↗ kg/pz
130	100	1,5	3,0	200	2,6	A0E55S5J100KQ	A0V55S5J100KQ	A0J55S5J100KQ	0,19	A0Z55S5J100KQ	0,21
130	150	1,5	3,0	200	3,1	A0E55S5J150KQ	A0V55S5J150KQ	A0J55S5J150KQ	0,23	A0Z55S5J150KQ	0,24
130	200	2,0	4,0	200	3,5	A0E55S5J200MS	A0V55S5J200MS	A0J55S5J200MS	0,37	A0Z55S5J200MS	0,39
150	300	2,5	5,0	200	4,4	A0E55S5J300PT	A0V55S5J300PT	A0J55S5J300PT	0,66	A0Z55S5J300PT	0,69
150	400	3,0	5,0	200	6,8	A0E55S5J400QT	A0V55S5J400QT	A0J55S5J400QT	0,98	A0Z55S5J400QT	1,01
175	500	3,0	6,0	200	7,6	A0E55S5J500QU	A0V55S5J500QU	A0J55S5J500QU	1,33	A0Z55S5J500QU	1,37
175	600	3,0	6,0	180	8,2	A0E55S5J600QU	A0V55S5J600QU	A0J55S5J600QU	1,61	A0Z55S5J600QU	1,66
200	700	4,0	8,0	200	7,6	A0E55S5J700SV	A0V55S5J700SV	A0J55S5J700SV	2,64	A0Z55S5J700SV	2,70
200	800	4,0	8,0	200	8,1	A0E55S5J800SV	A0V55S5J800SV	A0J55S5J800SV	3,10	A0Z55S5J800SV	3,17
230	900	4,0	8,0	200	8,7	A0E55S5J900SV	A0V55S5J900SV	A0J55S5J900SV	3,67	A0Z55S5J900SV	3,75
230	1000	4,0	8,0	160	8,5	A0E55S5J999SV	A0V55S5J999SV	A0J55S5J999SV	4,20	A0Z55S5J999SV	4,30

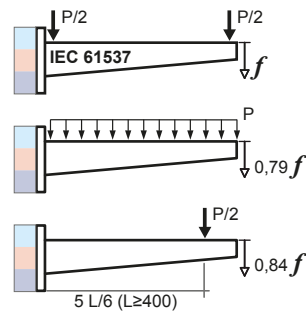
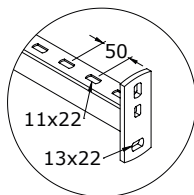
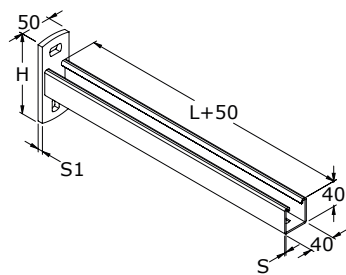
Mensole
Brackets


CE

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M18 ↗



Mensola 58 UR1 singola / 58 UR1 single bracket

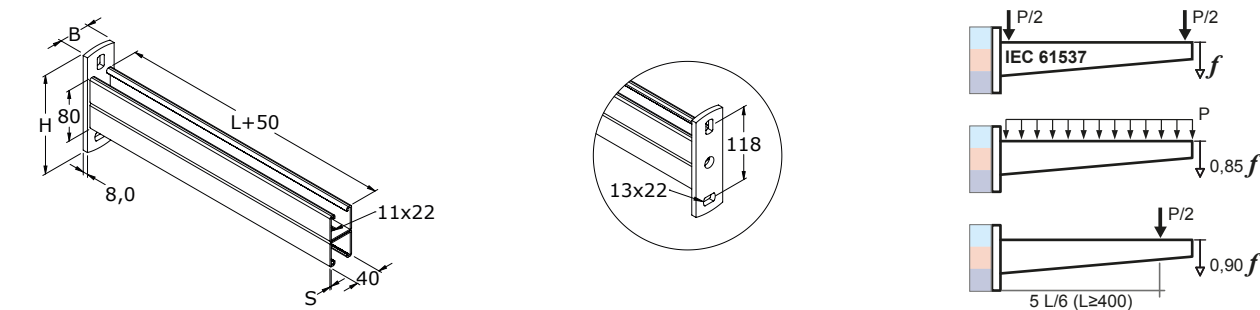
H mm	L mm	S mm	S1 mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	↗ kg/pz	Zincato a caldo Hot-dip galvan.	↗ kg/pz
130	100	2,0	6,0	250	1,0	A0E58S7R100MU	A0V58S7R100MU	A0J58S7R100MU	0,58	A0Z58S7R100MU	0,61
130	150	2,0	6,0	250	1,6	A0E58S7R150MU	A0V58S7R150MU	A0J58S7R150MU	0,68	A0Z58S7R150MU	0,71
130	200	2,0	6,0	220	2,0	A0E58S7R200MU	A0V58S7R200MU	A0J58S7R200MU	0,78	A0Z58S7R200MU	0,82
130	300	2,0	6,0	200	3,0	A0E58S7R300MU	A0V58S7R300MU	A0J58S7R300MU	0,99	A0Z58S7R300MU	1,03
130	400	2,5	8,0	220	6,4	A0E58S7R400PV	A0V58S7R400PV	A0J58S7R400PV	1,48	A0Z58S7R400PV	1,53
130	500	2,5	8,0	190	8,1	A0E58S7R500PV	A0V58S7R500PV	A0J58S7R500PV	1,73	A0Z58S7R500PV	1,79
130	600	2,5	8,0	160	9,5	A0E58S7R600PV	A0V58S7R600PV	A0J58S7R600PV	1,97	A0Z58S7R600PV	2,05

Mensole
Brackets



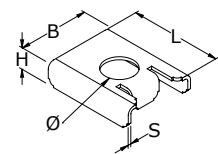
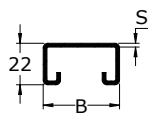
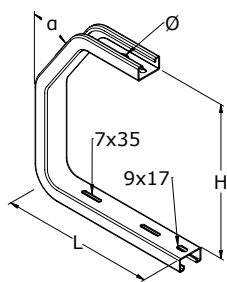
Mensola 59 UR1 rinforzata / 59 UR1 reinforced bracket

B mm	H mm	L mm	S mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
50	160	300	2,5	310	2,5	A0E59S7S300PV	A0V59S7S300PV	A0J59S7S300PV	1,82	A0Z59S7S300PV	1,89
50	160	400	2,5	280	3,6	A0E59S7S400PV	A0V59S7S400PV	A0J59S7S400PV	2,19	A0Z59S7S400PV	2,27
50	160	500	2,5	250	4,8	A0E59S7S500PV	A0V59S7S500PV	A0J59S7S500PV	2,56	A0Z59S7S500PV	2,66
50	160	600	2,5	220	5,8	A0E59S7S600PV	A0V59S7S600PV	A0J59S7S600PV	2,94	A0Z59S7S600PV	3,04
50	160	700	2,5	190	6,5	A0E59S7S700PV	A0V59S7S700PV	A0J59S7S700PV	3,31	A0Z59S7S700PV	3,43
50	160	800	2,5	160	7,2	A0E59S7S800PV	A0V59S7S800PV	A0J59S7S800PV	3,68	A0Z59S7S800PV	3,81



Mensola 60 UR1 doppia / 60 UR1 double bracket

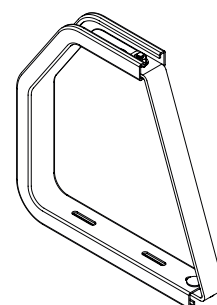
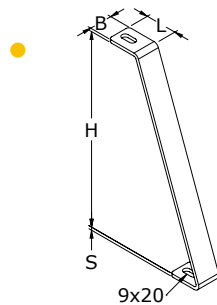
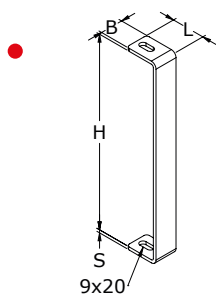
B mm	H mm	L mm	S mm	P daN	f mm	Elettrolitico Electrolytic	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
50	160	300	2,5	400	2,4	A0E60S7S300PV	A0V60S7S300PV	A0J60S7S300PV	2,19	A0Z60S7S300PV	2,27
50	160	400	2,5	360	3,2	A0E60S7S400PV	A0V60S7S400PV	A0J60S7S400PV	2,69	A0Z60S7S400PV	2,79
50	160	500	2,5	320	4,7	A0E60S7S500PV	A0V60S7S500PV	A0J60S7S500PV	3,18	A0Z60S7S500PV	3,30
50	160	600	2,5	280	6,3	A0E60S7S600PV	A0V60S7S600PV	A0J60S7S600PV	3,68	A0Z60S7S600PV	3,81
50	160	700	2,5	240	6,8	A0E60S7S700PV	A0V60S7S700PV	A0J60S7S700PV	4,18	A0Z60S7S700PV	4,33
50	160	800	2,5	200	7,3	A0E60S7S800PV	A0V60S7S800PV	A0J60S7S800PV	4,67	A0Z60S7S800PV	4,84



Staffa a bilanciere 84-M e piastrina di fiss. 86M / 84-M balance bracket and 86M fixing plate

B mm	H mm	L mm	S mm	α	Ø mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
40	250	150	2,0	0°	21	A0S84M5D150M	A0V84M5D150M	A0I84M5D150M	0,87	A0Z84M5D150M	0,91
40	250	200	2,0	0°	21	A0S84M5D200M	A0V84M5D200M	A0I84M5D200M	1,03	A0Z84M5D200M	1,08
40	250	250	2,0	32°	21	A0S84M5D250M	A0V84M5D250M	A0I84M5D250M	1,01	A0Z84M5D250M	1,05
40	250	350	2,5	48°	21	A0S84M5D350P	A0V84M5D350P	A0I84M5D350P	1,54	A0Z84M5D350P	1,59
47	14	60	2,0	-	21	A0S86MXJ060M	A0V86MXJ060M	A0I86MXJ060M	0,06	A0Z86MXJ060M	0,07

NOTA: a richiesta altre forature: Ø 13-17
NOTE: on request other perforation: Ø 13-17



Piastra GT per staffa a bilanciere / GT plate for balance bracket

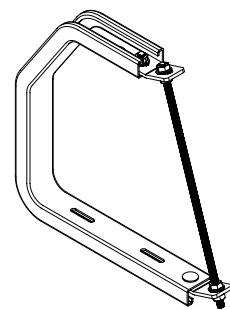
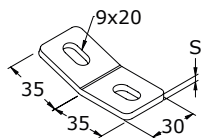
B mm	H mm	L mm	S mm	-	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
30	254	40	4,0	-	-	A0S8B	A0V8B	A0I8B	0,30	A0Z8B	0,31
30	254	40	4,0	-	-	A0S8C	A0V8C	A0I8C	0,32	A0Z8C	0,33

Per staffe a bilanciere 84-M con B=150÷200
For 84-M balance bracket with B=150÷200

Per staffe a bilanciere 84-M con B=250÷350
For 84-M balance bracket with B=250÷350

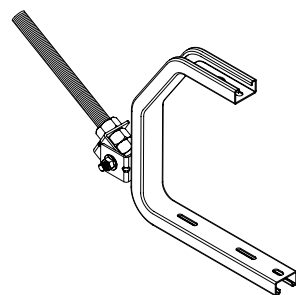
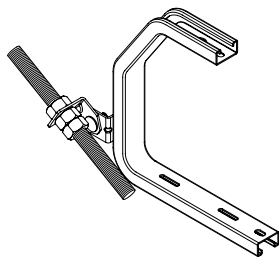
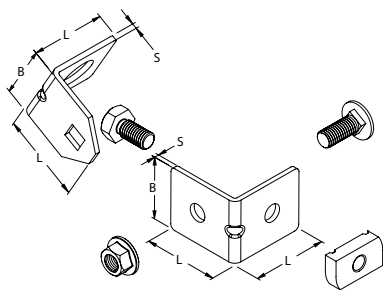
Mensole
Brackets

	-	
	-	M19 ↗



Piastra di connessione barra filettata / Threaded rod connection plate

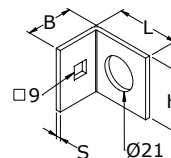
B mm	H mm	L mm	S mm	-	-	Sendimir Sendimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
-	-	-	4,0	-	-	A0S8F	A0V8F	A0I8F	0,06	A0Z8F	0,06



Attacco regolabile per controventatura / Adjustable attachment for windbracing

B mm	L mm	S mm	-	-	-	Sendimir Sendimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
40	48	3,0	-	-	-	A0S8AMJ-045Q1E01	A0V8AMJ-045Q1E01	A0I8AMJ-045Q1E01	0,20	A0Z8AMJ-045Q1E01	0,21

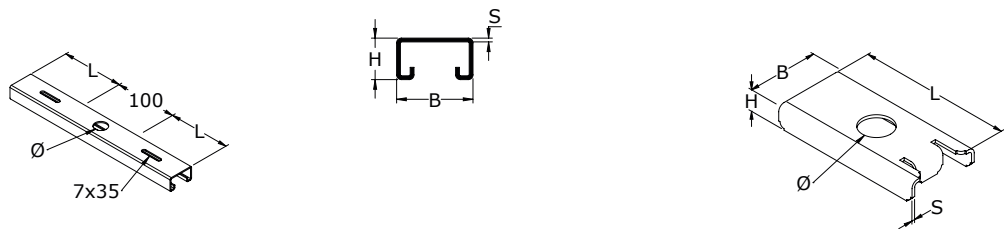
NOTA: a richiesta altre forature: Ø 13-17
NOTE: on request other perforation: Ø 13-17



B mm	H mm	L mm	S mm	-	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	⚡ kg/pz
80	30	-	2,5	-	-	A0S89U3N020P	A0V89U3N020P	A0I89U3N020P	0,10	A0Z89U3N020P	0,10
30	40	40	3,0	-	-	A0S89U5I020Q	A0V89U5I020Q	A0I89U5I020Q	0,06	A0Z89U5I020Q	0,06

NOTE: on request other perforation: Ø 13-17

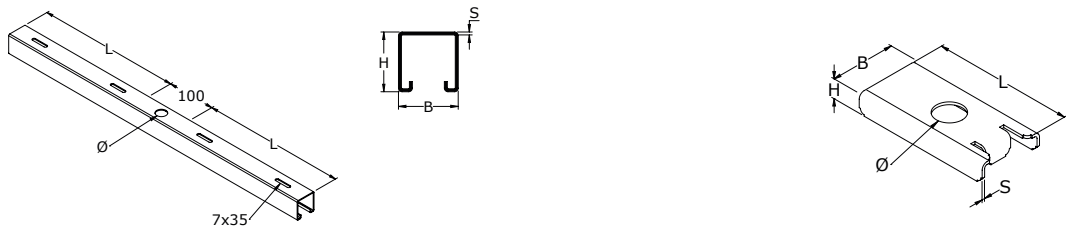
Mensole
Brackets



Mensola bil. 88-UR1/40x22 e piastr. di fiss. / 88-UR1/40x22 bal. bracket and fixing plate

B mm	H mm	L mm	S mm	P daN	Ø mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
40	22	100	2,0	-	21	A0S88M5D 100M100	A0V88M5D 100M100	A0I88M5D 100M100	0,46	A0Z88M5D 100M100	0,48
40	22	150	2,0	-	21	A0S88M5D 150M150	A0V88M5D 150M150	A0I88M5D 150M150	0,61	A0Z88M5D 150M150	0,64
40	22	200	2,0	-	21	A0S88M5D 200M200	A0V88M5D 200M200	A0I88M5D 200M200	0,76	A0Z88M5D 200M200	0,80
47	14	100	2,0	-	21	A0S86MXJ100M	A0V86MXJ100M	A0I86MXJ100M	0,10	A0Z86MXJ100M	0,11

NOTA: a richiesta altre forature: Ø 13-17
NOTE: on request other perforation: Ø 13-17

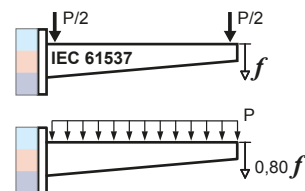
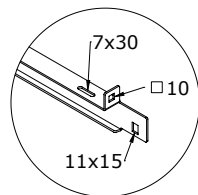
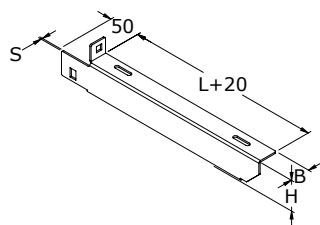


Mensola bil. 88-UR1/40x40 e piastr. di fiss. / 88-UR1/40x40 bal. bracket and fixing plate

B mm	H mm	L mm	S mm	P daN	Ø mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
40	40	200	2,0	-	21	A0S88M5I 200M200	A0V88M5I 200M200	A0I88M5I 200M200	1,06	A0Z88M5I 200M200	1,11
40	40	250	2,0	-	21	A0S88M5I 250M250	A0V88M5I 250M250	A0I88M5I 250M250	1,27	A0Z88M5I 250M250	1,33
40	40	300	2,0	-	21	A0S88M5I 300M300	A0V88M5I 300M300	A0I88M5I 300M300	1,48	A0Z88M5I 300M300	1,55
47	14	100	2,0	-	21	A0S86MXJ100M	A0V86MXJ100M	A0I86MXJ100M	0,10	A0Z86MXJ100M	0,11

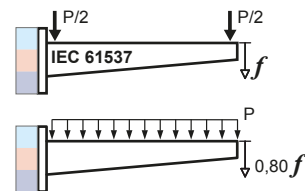
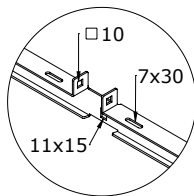
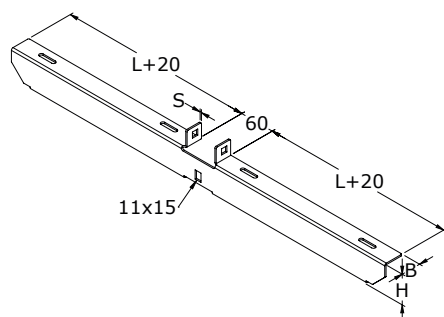
NOTA: a richiesta altre forature: Ø 13-17
NOTE: on request other perforation: Ø 13-17

Mensole Brackets



Mensola 51S singola / 51S single bracket

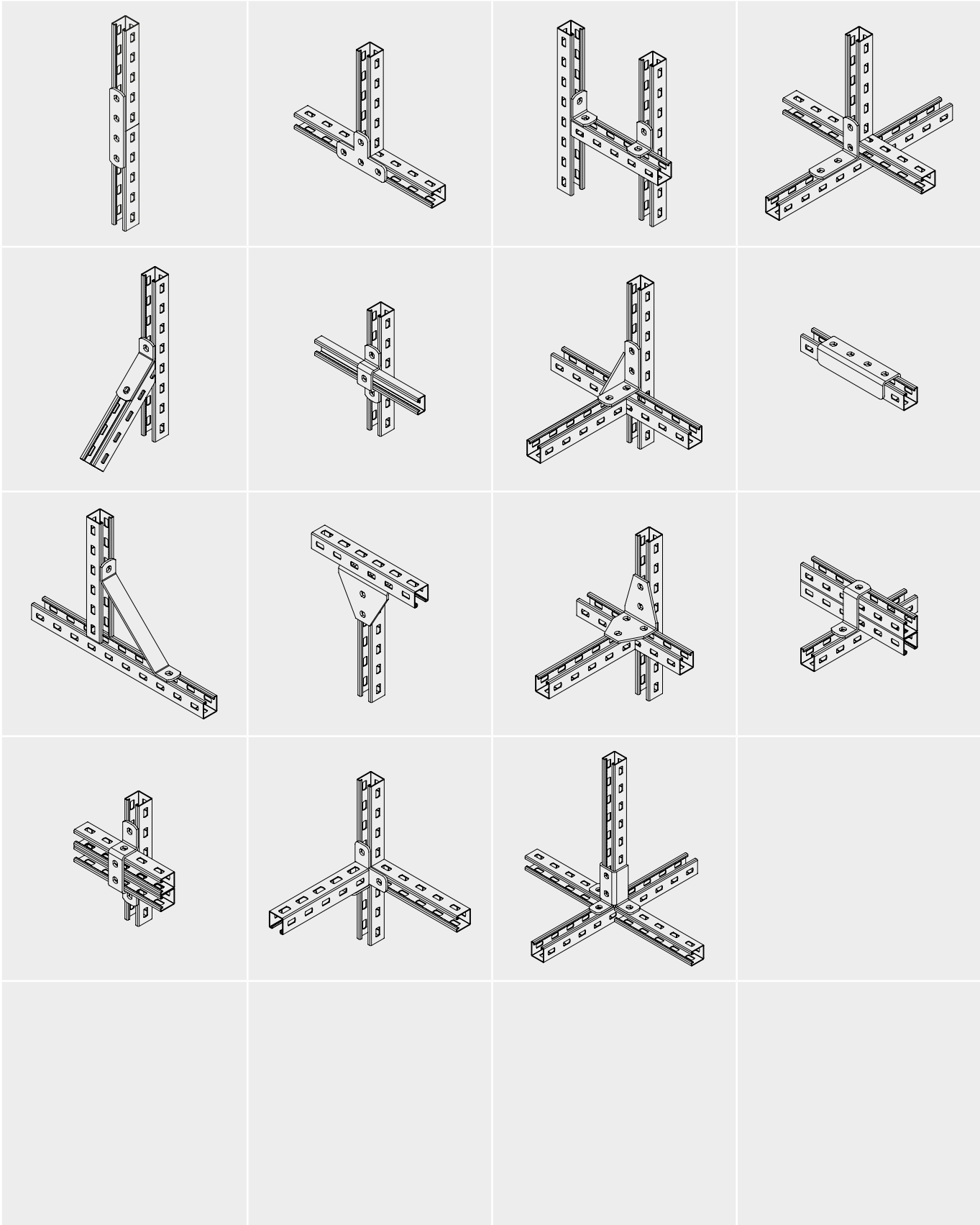
B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
30	50	100	2,0	100	3,7	A0S51S4K100M	A0V51S4K100M	A0I51S4K100M	0,18	A0Z51S4K100M	0,19
30	50	150	2,0	100	4,8	A0S51S4K150M	A0V51S4K150M	A0I51S4K150M	0,25	A0Z51S4K150M	0,26
30	50	200	2,0	100	5,8	A0S51S4K200M	A0V51S4K200M	A0I51S4K200M	0,32	A0Z51S4K200M	0,33
30	50	300	2,5	100	6,3	A0S51S4K300P	A0V51S4K300P	A0I51S4K300P	0,57	A0Z51S4K300P	0,59



Mensola 51S doppia / 51S double bracket

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
30	50	100	2,0	100	3,7	A0S51S4K100M100	A0V51S4K100M100	A0I51S4K100M100	0,35	A0Z51S4K100M100	0,36
30	50	150	2,0	100	4,8	A0S51S4K150M150	A0V51S4K150M150	A0I51S4K150M150	0,48	A0Z51S4K150M150	0,50
30	50	200	2,0	100	5,8	A0S51S4K200M200	A0V51S4K200M200	A0I51S4K200M200	0,62	A0Z51S4K200M200	0,64
30	50	300	2,5	100	6,3	A0S51S4K300P300	A0V51S4K300P300	A0I51S4K300P300	1,11	A0Z51S4K300P300	1,15

Piastrine per giunzione profili
Connection plates for channels



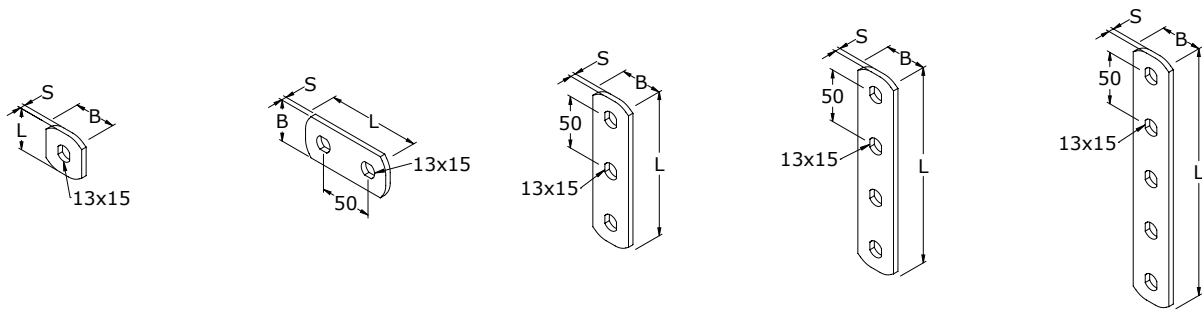
Piastrine
Plates



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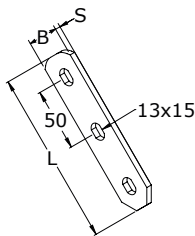
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M25/M26 ↗



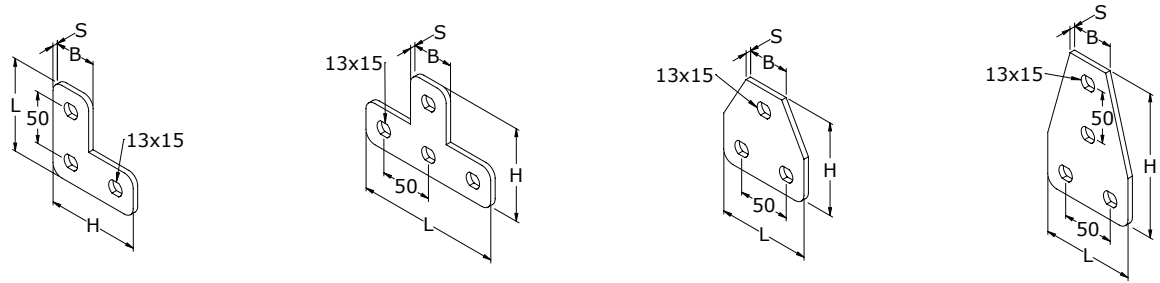
Piastra di giunzione / Connection plate

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	-	40	A0E81001	A0V81001	A0Z81001	6,0	0,07	A0I81001	5,0	0,06
40	-	90	A0E81002	A0V81002	A0Z81002	6,0	0,15	A0I81002	5,0	0,13
40	-	140	A0E81003	A0V81003	A0Z81003	6,0	0,24	A0I81003	5,0	0,20
40	-	190	A0E81004	A0V81004	A0Z81004	6,0	0,33	A0I81004	5,0	0,28
40	-	240	A0E81005	A0V81005	A0Z81005	6,0	0,42	A0I81005	5,0	0,35



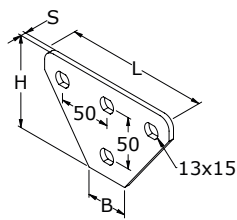
Piastra P 06-UR1 di giunzione regolabile / P 06-UR1 adjustable connection plate

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	-	140	A0E81006	A0V81006	A0Z81006	6,0	0,24	A0I81006	5,0	0,20



Piastra per connessione di testa / Plate for head connection

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	90	90	A0E81007	A0V81007	A0Z81007	6,0	0,24	A0I81007	5,0	0,20
40	90	140	A0E81008	A0V81008	A0Z81008	6,0	0,33	A0I81008	5,0	0,27
40	90	90	A0E81011	A0V81011	A0Z81011	6,0	0,31	A0I81011	5,0	0,26
40	140	90	A0E81012	A0V81012	A0Z81012	6,0	0,46	A0I81012	5,0	0,38



Piastra P 13-UR1 per controventatura / P 13-UR1 plate for windbracing

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	90	140	A0E81013	A0V81013	A0Z81013	6,0	0,40	A0I81013	5,0	0,34

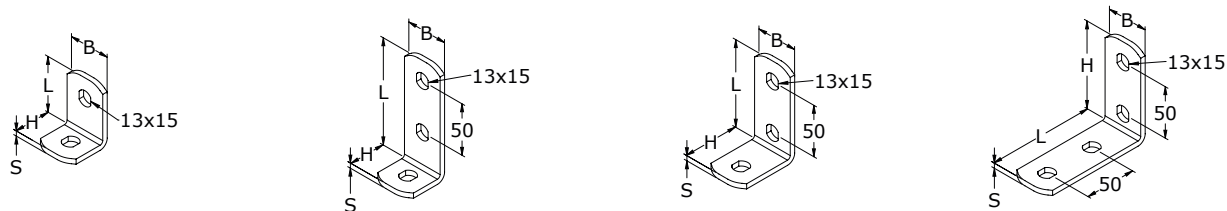
Piastrine
Plates



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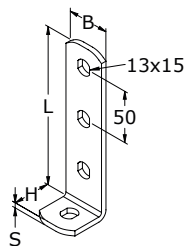
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M29/M30 ↗



Piastra per connessione ortogonale-trasversale / Plate for orthogonal-transv. Connection

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	35	53	A0E81021	A0V81021	A0Z81021	6,0	0,15	A0I81021	5,0	0,13
40	35	103	A0E81022	A0V81022	A0Z81022	6,0	0,24	A0I81022	5,0	0,21
40	54	84	A0E81023	A0V81023	A0Z81023	6,0	0,24	A0I81023	5,0	0,20
40	84	104	A0E81024	A0V81024	A0Z81024	6,0	0,33	A0I81024	5,0	0,28



Piastra L 25-UR1 per connessione ortogonale / L 25-UR1 plate for orthogonal connection

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	35	153	A0E81025	A0V81025	A0Z81025	6,0	0,33	A0I81025	5,0	0,28

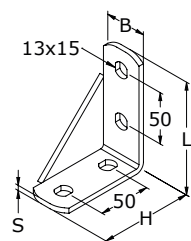
Piastrine
Plates



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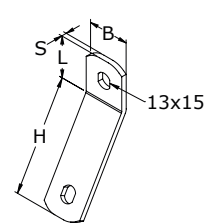
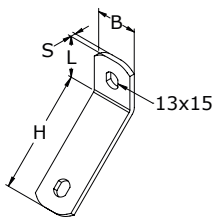
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M31/M32 ↗



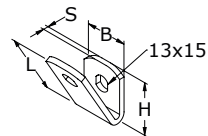
Piastra L 27-UR1 per conn. ort.-trasv. rinf. / L 27-UR1 plate orth.-transv. reinf. connection

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	84	104	A0E81027	A0V81027	A0Z81027	6,0	0,42	A0J81027	5,0	0,37

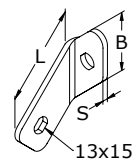


Piastra per connessione esterna (45° e 30°) / Plate for external connection (45° and 30°)

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	102	42	A0E81031	A0V81031	A0Z81031	6,0	0,25	A0I81031	5,0	0,21
40	102	42	A0E81032	A0V81032	A0Z81032	6,0	0,25	A0I81032	5,0	0,21



B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	
40	57,5	90	A0E81036	A0V81036	A0Z81036	6,0	0,25	A0I81036	5,0	0,22
40	78,5	102,5	A0E81037	A0V81037	A0Z81037	6,0	0,25	A0I81037	5,0	0,22

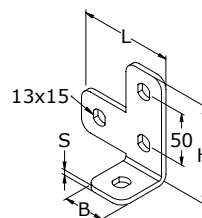
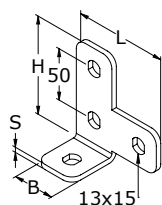


B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	
40	-	58	A0E81041	A0V81041	A0Z81041	6,0	0,21	A0I81041	5,0	0,18
40	-	58	A0E81042	A0V81042	A0Z81042	6,0	0,21	A0I81042	5,0	0,18

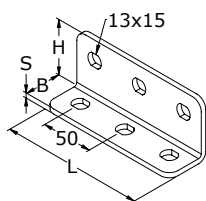


Technical drawing of a metal bracket. Dimensions are labeled: H (height), S (thickness), B (width of the vertical plate), L (length of the base plate), 50 (distance from the end of the base plate to the center of the hole), and 13x15 (cross-section of the base plate).

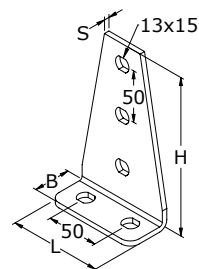
B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚡ kg/pz	
40	90	45	A0E81046	A0V81046	A0Z81046	6,0	0,24	A0I81046	5,0	0,20
40	90	45	A0E81047	A0V81047	A0Z81047	6,0	0,24	A0I81047	5,0	0,20
40	50	140	A0E81048	A0V81048	A0Z81048	6,0	0,33	A0I81048	5,0	0,28



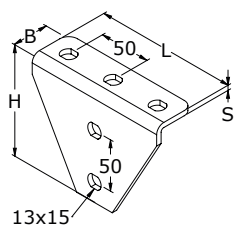
B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	
40	90	90	A0E81049	A0V81049	A0Z81049	6,0	0,33	A0I81049	5,0	0,28
40	90	90	A0E81050	A0V81050	A0Z81050	6,0	0,33	A0I81050	5,0	0,28



B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	
35	53	140	A0E81055	A0V81055	A0Z81055	6,0	0,56	A0I81055	5,0	0,48



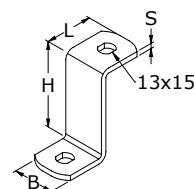
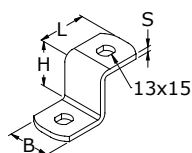
B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⌘ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⌘ kg/pz	
35	53	90	A0E81060	A0V81060	A0Z81060	6,0	0,31	A0I81060	5,0	0,27
35	103	90	A0E81061	A0V81061	A0Z81061	6,0	0,47	A0I81061	5,0	0,39
35	153	90	A0E81062	A0V81062	A0Z81062	6,0	0,62	A0I81062	5,0	0,52



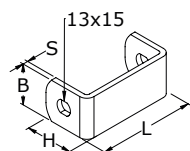
B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⌘ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⌘ kg/pz	
35	103	140	A0E81063	A0V81063	A0Z81063	6,0	0,69	A0I81063	5,0	0,58



Technical drawing of a Z-profile. Dimensions shown are L (length of the top flange), H (height of the top flange), B (width of the bottom flange), S (thickness of the profile), and a hole size of 13×15 .

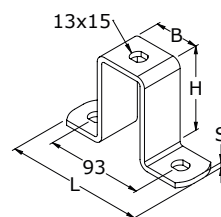
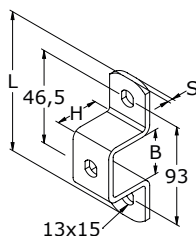
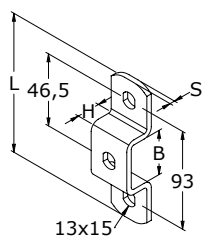


B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⌘ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⌘ kg/pz	
40	17	46	A0E81070	A0V81070	A0Z81070	6,0	0,18	A0I81070	5,0	0,15
40	36	46	A0E81071	A0V81071	A0Z81071	6,0	0,21	A0I81071	5,0	0,17
40	76	46	A0E81072	A0V81072	A0Z81072	6,0	0,29	A0I81072	5,0	0,24



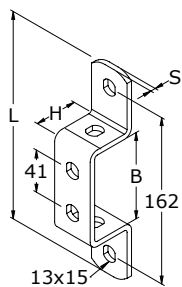
Piastra C 73-UR1 per connessioni parallele / C 73-UR1 plate for parallel connections

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
40	46	94	A0E81073	A0V81073	A0Z81073	6,0	0,31	A0I81073	5,0	0,25



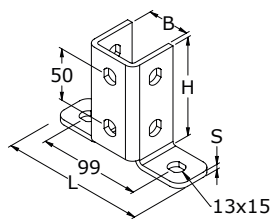
Piastra per connessione ortogonale / Plate for orthogonal connection

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
41	22	133	A0E81075	A0V81075	A0Z81075	6,0	0,30	A0I81075	5,0	0,25
41	41,5	133	A0E81076	A0V81076	A0Z81076	6,0	0,37	A0I81076	5,0	0,30
41	82	132	A0E81077	A0V81077	A0Z81077	6,0	0,52	A0I81077	5,0	0,43



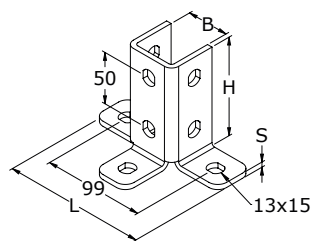
Piastra W 78-UR1 per connessione coppia ort. / W 78-UR1 plate for twin orth. connection

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
84	41,5	202	A0E81078	A0V81078	A0Z81078	6,0	0,46	A0I81078	5,0	0,39



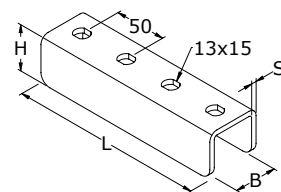
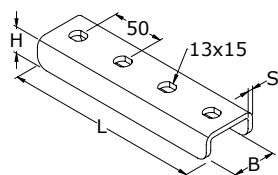
Piastra T 81-UR1 per connessione di testa / T 81-UR1 plate for head connection

B mm	H mm	L mm	Elettrolitico Electrolytic	Verniciato Painted	Zincato a caldo Hot-dip galvan.	⚖ kg/pz		Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	
41	95	139	A0E81081	A0V81081	A0Z81081	6,0	0,70	A0I81081	5,0	0,58



Piastra T 82-UR1 per connessione multipla / *T 82-UR1 plate for multiple connection*

B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	
41	95	139	A0E81082	A0V81082	A0Z81082	6,0	0,76	A0I81082	5,0	0,63



Piastra C-UR1/40x22 di giunzione / *C-UR1/40x22 connection plate*

B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	
42	27	190	A0E81091	A0V81091	A0Z81091	6,0	0,77	A0I81091	5,0	0,64
42	46	190	A0E81092	A0V81092	A0Z81092	6,0	1,12	A0I81092	5,0	0,93

Piastrine
Plates

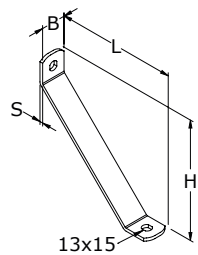


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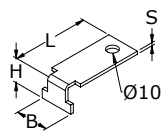
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M49/M50 ↗



Piastra GT-UR1 per giunzione/ tirante / *GT-UR1 plate for connection/ tie*

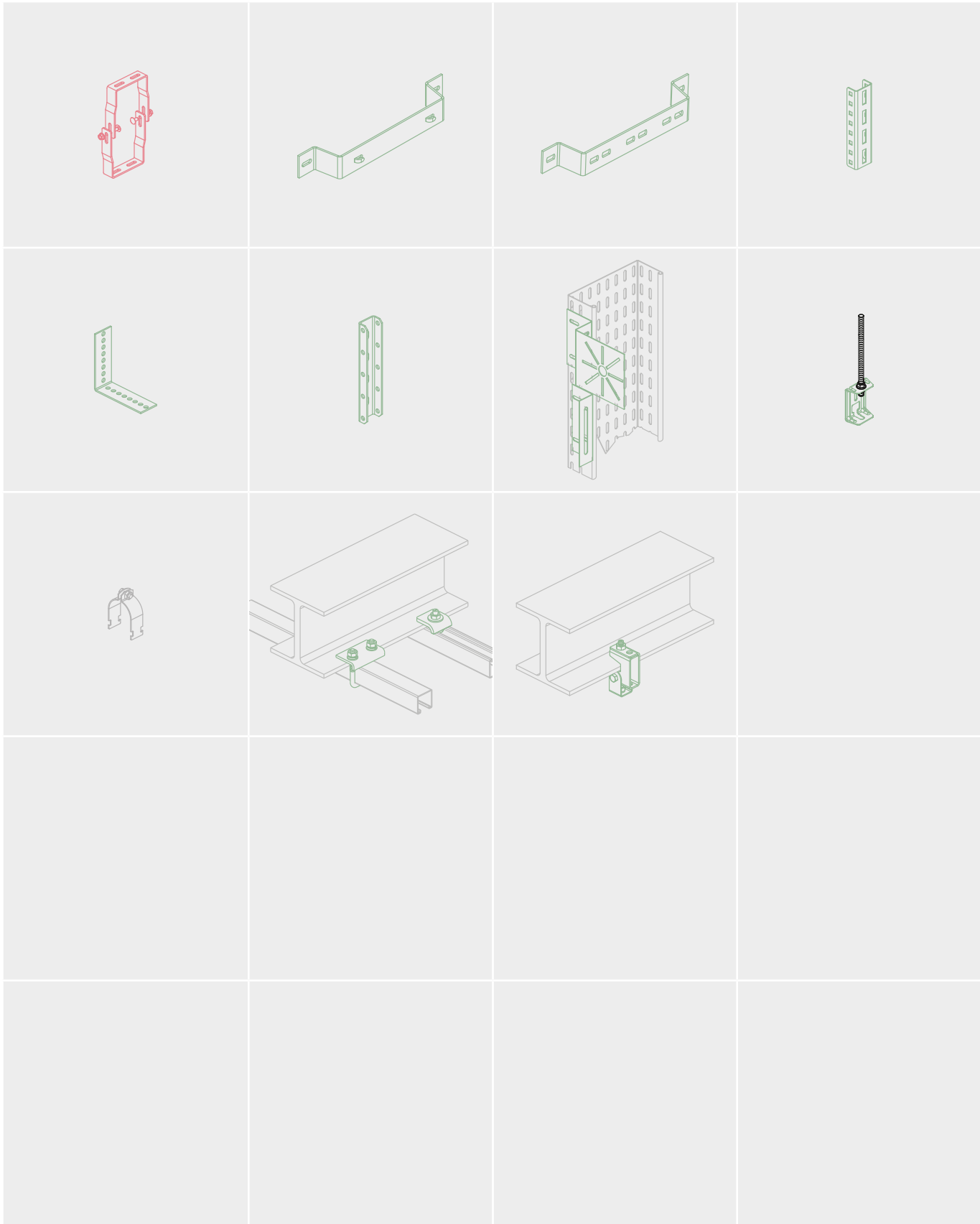
B mm	H mm	L mm	Elettrolitico <i>Electrolytic</i>	Verniciato <i>Painted</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz		Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz	
40	200	200	A0E81095	A0V81095	A0Z81095	6,0	0,55	A0I81095	5,0	0,46
40	300	300	A0E81096	A0V81096	A0Z81096	6,0	0,82	A0I81096	5,0	0,68
40	400	400	A0E81097	A0V81097	A0Z81097	6,0	1,08	A0I81097	5,0	0,90
40	500	500	A0E81098	A0V81098	A0Z81098	6,0	1,35	A0I81098	5,0	1,12

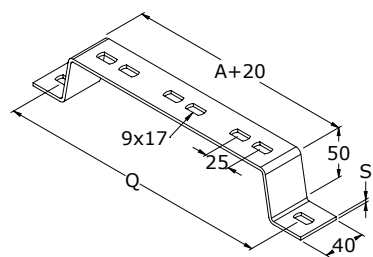


Piastra 101-UR1 per messa a terra / *101-UR1 earthing bar*

B mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚖ kg/pz		Zincato a caldo <i>Hot-dip galvan.</i>	⚖ kg/pz	
32	24	75	A0E81101	A0V81101	A0Z81101	3,0	0,06	A0I81101	3,0	0,06

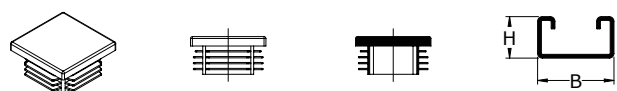
Accessori vari
Various accessories





Distanziatore asolato / Preforated spacer

A mm	S mm	Q mm		Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
100	3,0	168		A0S70D5K100Q	A0V70D5K100Q	A0I70D5K100Q	0,24	A0Z70D5K100Q	0,25
150	3,0	218		A0S70D5K150Q	A0V70D5K150Q	A0I70D5K150Q	0,28	A0Z70D5K150Q	0,29
200	3,0	268		A0S70D5K200Q	A0V70D5K200Q	A0I70D5K200Q	0,32	A0Z70D5K200Q	0,33
300	3,0	368		A0S70D5K300Q	A0V70D5K300Q	A0I70D5K300Q	0,42	A0Z70D5K300Q	0,43
400	3,0	468		A0S70D5K400Q	A0V70D5K400Q	A0I70D5K400Q	0,51	A0Z70D5K400Q	0,53
500	3,0	568		A0S70D5K500Q	A0V70D5K500Q	A0I70D5K500Q	0,61	A0Z70D5K500Q	0,63
600	3,0	668		A0S70D5K600Q	A0V70D5K600Q	A0I70D5K600Q	0,70	A0Z70D5K600Q	0,72



Tappo per profilato/ mensola UR1-UR2 / Plug for channel/ bracket UR1-UR2

B mm	H mm			LPDE LPDE			⚖ kg/pz		
40	20			A0P4TXXD040N			0,006		
40	40			A0P4TXXI040N			0,011		
50	25			A0P4TXXE050N			0,008		
50	50			A0P4TXXK050N			0,014		

Accessori vari
Various accessories

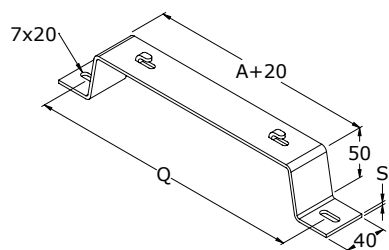


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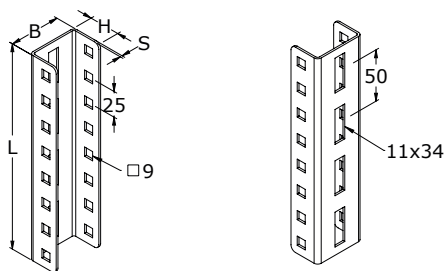
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M13/M07 ↗



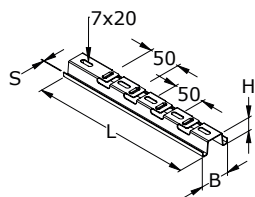
Distanziatore PBR / PBR spacer

A mm	S mm	Q mm		Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
100	3,0	168		A0S70Q5K100Q	A0V70Q5K100Q	A0I70Q5K100Q	0,25	A0Z70Q5K100Q	0,25
150	3,0	218		A0S70Q5K150Q	A0V70Q5K150Q	A0I70Q5K150Q	0,29	A0Z70Q5K150Q	0,30
200	3,0	268		A0S70Q5K200Q	A0V70Q5K200Q	A0I70Q5K200Q	0,34	A0Z70Q5K200Q	0,35
300	3,0	368		A0S70Q5K300Q	A0V70Q5K300Q	A0I70Q5K300Q	0,44	A0Z70Q5K300Q	0,45
400	3,0	468		A0S70Q5K400Q	A0V70Q5K400Q	A0I70Q5K400Q	0,53	A0Z70Q5K400Q	0,55
500	3,0	568		A0S70Q5K500Q	A0V70Q5K500Q	A0I70Q5K500Q	0,62	A0Z70Q5K500Q	0,64
600	3,0	668		A0S70Q5K600Q	A0V70Q5K600Q	A0I70Q5K600Q	0,72	A0Z70Q5K600Q	0,74

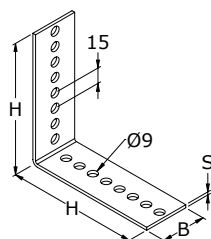


Base portamensola 34-C 11/50 / 34-C 11/50 bracket-holding base

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
50	30	200	2,0	A0S34J8F050M	A0V34J8F050M	A0I34J8F050M	0,29	A0Z34J8F050M	0,28
50	30	200	2,5	A0S34J8F050P	A0V34J8F050P	A0I34J8F050P	0,36	A0Z34J8F050P	0,34
50	30	200	3,0	A0S34J8F050Q	A0V34J8F050Q	A0I34J8F050Q	0,44	A0Z34J8F050Q	0,41



B mm	L mm	S mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316 AISI 316 S.S.	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	⚡ kg/pz
47	210	1,2	-	B4S60H0150	B4I60H0150	B4Y60H0150	0,10	B4Z60H0150	0,11
47	260	1,2	-	B4S60H0200	B4I60H0200	B4Y60H0200	0,14	B4Z60H0200	0,15
47	360	1,2	-	B4S60H0300	B4I60H0300	B4Y60H0300	0,21	B4Z60H0300	0,22
47	460	1,5	-	B4S60H0400	B4I60H0400	B4Y60H0400	0,36	B4Z60H0400	0,38
47	560	1,5	-	B4S60H0500	B4I60H0500	B4Y60H0500	0,45	B4Z60H0500	0,47
47	1060	1,5	-	B4S60H1000	B4I60H1000	B4Y60H1000	0,91	B4Z60H1000	0,95



B mm	H mm	-	S mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz
44	125	-	3,0	A0S71UXR044Q	A0V71UXR044Q	A0I71UXR044Q	0,23	A0Z71UXR044Q	0,25

Accessori vari
Various accessories

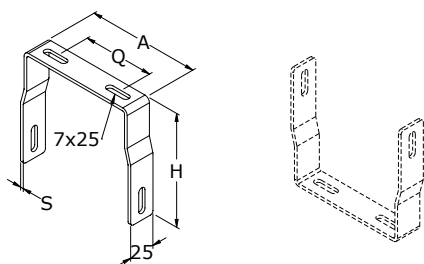


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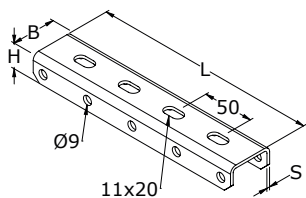
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M01/M06 ↗



Traversa attacco a soffitto / collare / Ceiling attachment crosspiece / collar

H mm	A mm	S mm	Q mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
83	60	3,0	-	A0S19C2K050Q	A0V19C2K050Q	A0I19C2K050Q	0,15	A0Z19C2K050Q	0,16
111	85	3,0	45	A0S19C2X075Q	A0V19C2X075Q	A0I19C2X075Q	0,17	A0Z19C2X075Q	0,18
111	110	3,0	70	A0S19C2X100Q	A0V19C2X100Q	A0I19C2X100Q	0,18	A0Z19C2X100Q	0,19
111	160	3,0	120	A0S19C2X150Q	A0V19C2X150Q	A0I19C2X150Q	0,21	A0Z19C2X150Q	0,22
111	210	3,0	170	A0S19C2X200Q	A0V19C2X200Q	A0I19C2X200Q	0,24	A0Z19C2X200Q	0,25
111	310	3,0	270	A0S19C2X300Q	A0V19C2X300Q	A0I19C2X300Q	0,30	A0Z19C2X300Q	0,32
111	410	3,0	370	A0S19C2X400Q	A0V19C2X400Q	A0I19C2X400Q	0,36	A0Z19C2X400Q	0,38
111	510	3,0	470	A0S19C2X500Q	A0V19C2X500Q	A0I19C2X500Q	0,42	A0Z19C2X500Q	0,44
111	610	3,0	570	A0S19C2X600Q	A0V19C2X600Q	A0I19C2X600Q	0,48	A0Z19C2X600Q	0,50



Giunto orizzontale per profilato 34-C / Horizontal connector for 34-C channel

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
44	25	220	3,0	A0S72I9E044Q	A0V72I9E044Q	A0I72I9E044Q	0,4	A0Z72I9E044Q	0,42

Accessori vari
Various accessories

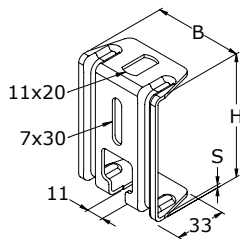


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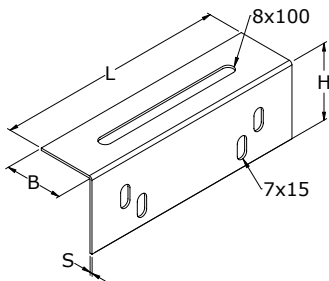
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M20/M09 ↗



Supporto a soffitto per barra filettata / Support for threaded rod

B mm	H mm	-	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
57,5	80	-	2	A0S76IAX080M	A0I76IAX080M		0,10	A0Z76IAX080M	0,11



Derivazione per tubo / Derivation for pipe

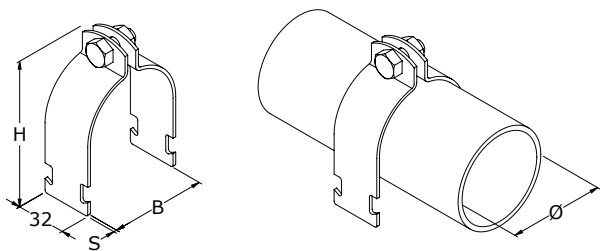
B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
35	50	150	1,5	A0S95S4H150K	A0V95S4H150K	A0I95S4H150K	0,14	A0Z95S4H150K	0,15

Accessori vari
Various accessories



Piastra per scatola di derivazione / Plate for connector block

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
125	45	136	1,5	A0S94CXJ125K	A0V94CXJ125K	A0I94CXJ125K	0,33	A0Z94CXJ125K	0,36



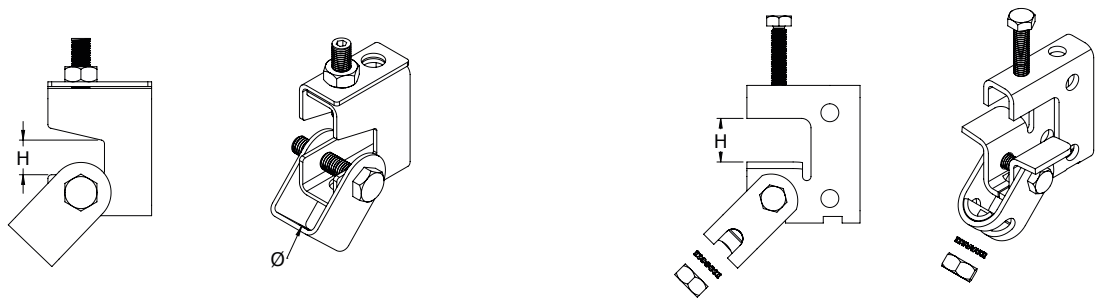
Collare fissa cavo / tubo / Cable/pipe fastening collar

B mm	H mm	S mm	Ø tubo mm	Elettrolitico Electrolytic	Verniciato Painted	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
22	57	2,0	1/2"	A0E75XXX015ME	A0V75XXX015ME	0,05	A0Z75XXX015MD	A0Z75XXX015MJ	0,06
28	63	2,0	3/4"	A0E75XXX020ME	A0V75XXX020ME	0,06	A0Z75XXX020MD	A0Z75XXX020MJ	0,07
35	70	2,0	1"	A0E75XXX025ME	A0V75XXX025ME	0,07	A0Z75XXX025MD	A0Z75XXX025MJ	0,08
44	78	2,0	1" 1/4	A0E75XXX032ME	A0V75XXX032ME	0,08	A0Z75XXX032MD	A0Z75XXX032MJ	0,09
50	84	2,0	1" 1/2	A0E75XXX040ME	A0V75XXX040ME	0,09	A0Z75XXX040MD	A0Z75XXX040MJ	0,10
62	96	2,0	2"	A0E75XXX050ME	A0V75XXX050ME	0,10	A0Z75XXX050MD	A0Z75XXX050MJ	0,11
78	112	2,0	2" 1/2	A0E75XXX065ME	A0V75XXX065ME	0,12	A0Z75XXX065MD	A0Z75XXX065MJ	0,13
90	125	2,0	3"	A0E75XXX080ME	A0V75XXX080ME	0,13	A0Z75XXX080MD	A0Z75XXX080MJ	0,14
103	137	2,0	3" 1/2	A0E75XXX090ME	A0V75XXX090ME	0,14	A0Z75XXX090MD	A0Z75XXX090MJ	0,15
116	150	2,0	4"	A0E75XXX100ME	A0V75XXX100ME	0,15	A0Z75XXX100MD	A0Z75XXX100MJ	0,17
141	176	2,0	5"	A0E75XXX125ME	A0V75XXX125ME	0,17	A0Z75XXX125MD	A0Z75XXX125MJ	0,19

Con viti Geomet
With Geome screws

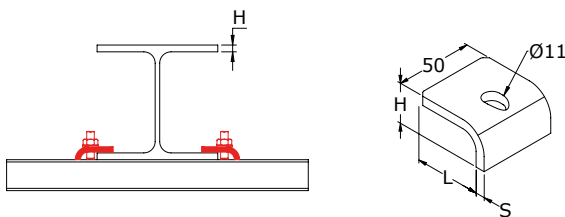
Con viti INOX
With INOX screws

Accessori vari
Various accessories



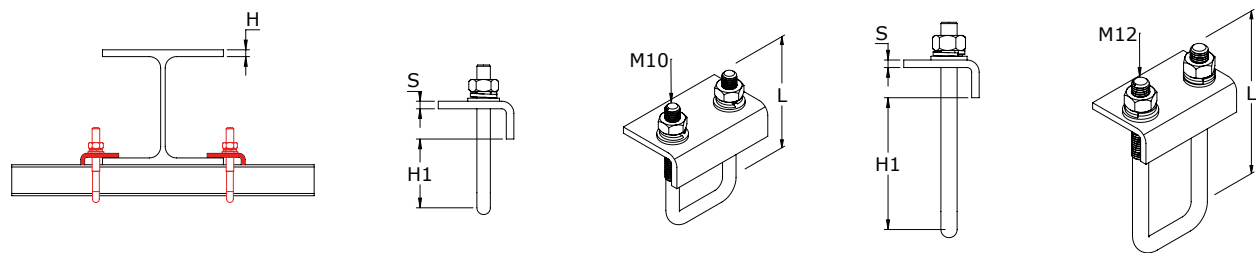
Attacco a trave regolabile barra fil. M8 - M10 / Adj. beam attach. for threaded rod M8 - M10

H mm	Ø mm	-	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Geomet Geomet	⚖ kg/pz
20	11	-	-	-	-	A0I78DXX020P	0,33	A0D78DXX025R	0,32



Attacco a trave / Beam attachment

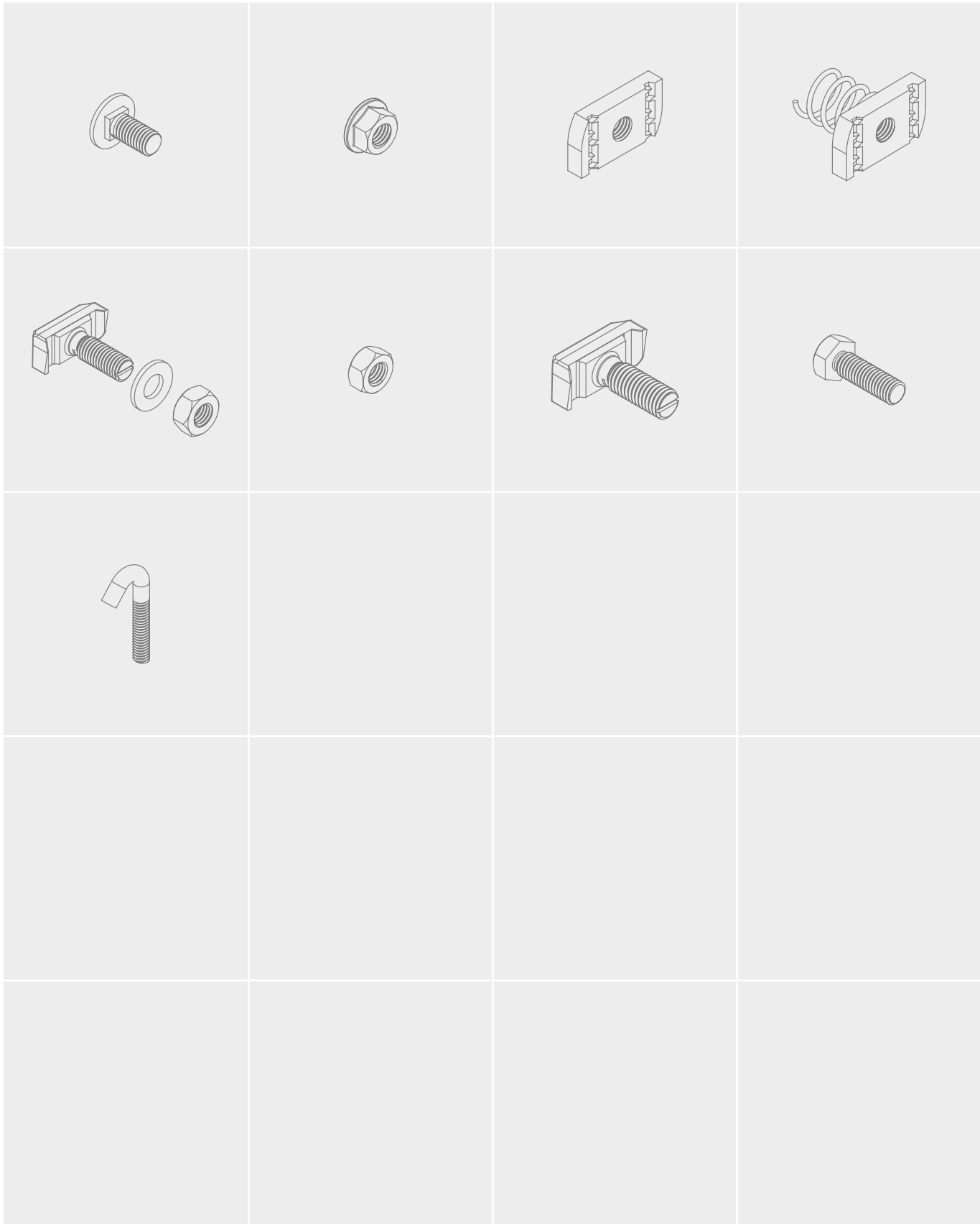
H mm	L mm	S(I) mm	S(Z) mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
5-9	50	6,0	7,0	-	-	A0I78A7X010U	0,12	A0Z78A7X010Y	0,15
10-14	50	6,0	7,0	-	-	A0I78A7X015U	0,13	A0Z78A7X015Y	0,17
15-19	50	6,0	7,0	-	-	A0I78A7X020U	0,14	A0Z78A7X020Y	0,18
20-24	50	6,0	7,0	-	-	A0I78A7X025U	0,15	A0Z78A7X025Y	0,2
25-29	50	6,0	7,0	-	-	A0I78A7X030U	0,17	A0Z78A7X030Y	0,21
30-34	50	6,0	7,0	-	-	A0I78A7X035U	0,18	A0Z78A7X035Y	0,23
35-39	50	6,0	7,0	-	-	A0I78A7X040U	0,19	A0Z78A7X040Y	0,24

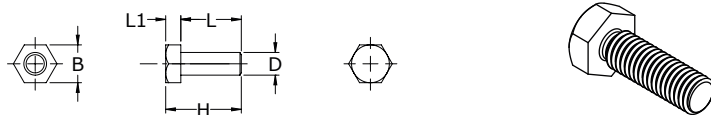


Attacco a trave con collare per profilati UR1 / UR1 channel beam attachment with collar

H mm	H1 mm	S mm	L mm	Inox AISI 316 AISI 316 S.S.	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
5-9	40	5	90	A0Y78BXI010T	-	-	0,41	A0Z78BXI010T	0,41
10-14	40	5	90	A0Y78BXI015T	-	-	0,43	A0Z78BXI015T	0,43
15-19	40	5	90	A0Y78BXI020T	-	-	0,46	A0Z78BXI020T	0,47
20-24	40	5	90	A0Y78BXI025T	-	-	0,48	A0Z78BXI025T	0,49
5-9	80	5	132	A0Y78BXN010T	-	-	0,54	A0Z78BXN010T	0,54
10-14	80	5	132	A0Y78BXN015T	-	-	0,56	A0Z78BXN015T	0,56
15-19	80	5	132	A0Y78BXN020T	-	-	0,59	A0Z78BXN020T	0,6
20-24	80	5	132	A0Y78BXN025T	-	-	0,61	A0Z78BXN025T	0,62

Viteria
Bolts and screws





Classe / Class	
DOC	8.8
DOI	70
DOY	70

Vite testa esagonale / Hexagonal head screw

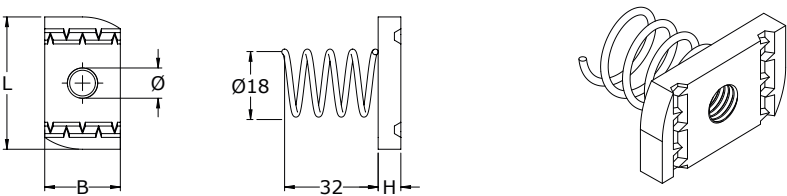
D	L mm	B mm	H mm	L1 mm	Geomet <i>Geomet</i>	Elettrolitico <i>Electrolytic</i>	Zincato a caldo <i>Hot-dip galvan.</i>	⚡ kg/pz	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⚡ kg/pz
M6	8	10	12,0	4,0	DOC11S06X08D	DOC11S06X08E	-	0,40	DOI11S06X08J	DOY11S06X08N	0,40
M6	12	10	16,0	4,0	DOC11S06X12D	DOC11S06X12E	-	0,47	DOI11S06X12J	DOY11S06X12N	0,47
M6	16	10	20,0	4,0	DOC11S06X16D	DOC11S06X16E	-	0,52	DOI11S06X16J	DOY11S06X16N	0,52
M6	20	10	24,0	4,0	DOC11S06X20D	DOC11S06X20E	-	0,61	DOI11S06X20J	DOY11S06X20N	0,61
M8	16	13	21,3	5,3	DOC11S08X16D	DOC11S08X16E	DOC11S08X16Z	1,13	DOI11S08X16J	DOY11S08X16N	1,13
M8	25	13	30,3	5,3	DOC11S08X25D	DOC11S08X25E	DOC11S08X25Z	1,40	DOI11S08X25J	DOY11S08X25N	1,40
M8	70	13	75,3	5,3	DOC11S08X70D	DOC11S08X70E	DOC11S08X70Z	3,04	DOI11S08X70J	DOY11S08X70N	3,04
M10	30	17	36,4	6,4	DOC11S10X30D	DOC11S10X30E	DOC11S10X30Z	2,50	DOI11S10X30J	DOY11S10X30N	2,50
M10	50	17	56,4	6,4	DOC11S10X50D	DOC11S10X50E	DOC11S10X50Z	3,65	DOI11S10X50J	DOY11S10X50N	3,65
M12	30	19	37,5	7,5	DOC11S12X30D	DOC11S12X30E	DOC11S12X30Z	4,10	DOI11S12X30J	DOY11S12X30N	4,10
M12	50	19	57,5	7,5	DOC11S12X50D	DOC11S12X50E	DOC11S12X50Z	5,52	DOI11S12X50J	DOY11S12X50N	5,52

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Dado per profilati / Nut for channels

Ø	B mm	H mm	L mm	-	-	Dacromet Dacromet	Elettrolitico Electrolytic	Zincato a caldo Hot-dip galvan.	⚖ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
M6	20	6	35	UR1	-	-	D0C25S06X40E	D0C25S06X40Z	2,70	-	D0Y25S06X40N	2,70
M8	20	6	35	UR1	-	-	D0C25S08X40E	D0C25S08X40Z	2,47	-	D0Y25S08X40N	2,47
M10	20	8	35	UR1	-	-	D0C25S10X40E	D0C25S10X40Z	3,20	-	D0Y25S10X40N	3,20
M12	20	9,5	35	UR1	-	-	D0C25S12X40E	D0C25S12X40Z	3,70	-	D0Y25S12X40N	3,70

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack



Dado per profilati con molla / Nut for channels with spring

Ø	B mm	H mm	L mm	-	-	Dacromet Dacromet	Elettrolitico Electrolytic	Zincato a caldo Hot-dip galvan.	⚖ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
M6	20	6	35	UR1	-	-	D0C27S06X40E	D0C27S06X40Z	2,70	-	D0Y27S06X40N	
M8	20	6	35	UR1	-	-	D0C27S08X40E	D0C27S08X40Z	2,47	-	D0Y27S08X40N	3,39
M10	20	8	35	UR1	-	-	D0C27S10X40E	D0C27S10X40Z	3,20	-	D0Y27S10X40N	3,25
M12	20	9,5	35	UR1	-	-	D0C27S12X40E	D0C27S12X40Z	3,70	-	D0Y27S12X40N	3,08

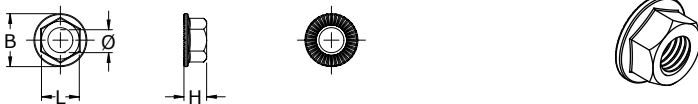
NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

				Classe / Class	
				DOC	4.6 - 4.8
				DOI	70
				DOY	70

Vite testa tonda con quadro sottotesta / Round head screw with square neck

D	L	B	H	L1	L2	Geomet	Elettrolitico	⚡	Inox AISI 304	Inox AISI 316L	⚡
mm	mm	mm	mm	mm	mm	Geomet	Electrolytic	kg/pz	AISI 304 S.S.	AISI 316L S.S.	kg/pz
M6	6	14	15	1,8	10,2	DOC10A06X12D	DOC10A06X12E	0,52	DOI10A06X12J	DOY10A06X12N	0,52
M6	6	19	18	1,8	13,2	DOC10A06X16D	DOC10A06X16E	0,54	DOI10A06X16J	DOY10A06X16N	0,54
M6	6	14	23	1,8	18,2	DOC10A06X20D	DOC10A06X20E	0,62	DOI10A06X20J	DOY10A06X20N	0,62
M6	6	14	28	4,6	20,4	DOC10A06X25D	DOC10A06X25E	0,68	DOI10A06X25J	DOY10A06X25N	0,68
M8	8	18	21	2,4	14,6	DOC10A08X17D	DOC10A08X17E	1,20	DOI10A08X17J	DOY10A08X17N	1,20
M10	10	22	30	3,5	21,5	DOC10A10X25D	DOC10A10X25E	2,34	DOI10A10X25J	DOY10A10X25N	2,34

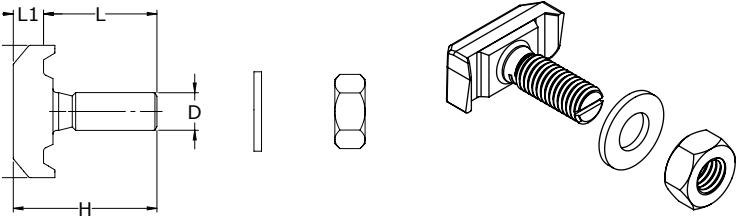
NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

				Classe / Class	
				DOC	6.5
				DOI	70
				DOY	70

Dado esagonale flangiato / Flanged hexagonal nut

Ø	B	H	L	-	-	Geomet	Elettrolitico	⚡	Inox AISI 304	Inox AISI 316L	⚡
mm	mm	mm	mm			Geomet	Electrolytic	kg/pz	AISI 304 S.S.	AISI 316L S.S.	kg/pz
M6	14	6	10	-	-	DOC16S06D	DOC16S06E	0,34	DOI10A06X12J	DOY10A06X12N	0,34
M8	18	8	13	-	-	DOC16S08D	DOC16S08E	0,68	DOI10A06X15J	DOY10A06X15N	0,68
M10	22	10	15	-	-	DOC16S10D	DOC16S10E	1,14	DOI10A06X20J	DOY10A06X20N	1,14

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack



Classe / Class	
DOC	5.6

Vite testa ad ancora con dado e rondella / Anchor head screw with nut and plane washer

D	L mm	B mm	H mm	L1 mm	Tipo	Zincato a caldo Hot dip galv.	⚖ kg/pz	Elettrolitico Electrolytic	⚖ kg/pz
M10	30	35	38	8	UR1	DOC12S10X30ZK	7,00	DOC12S10X30EK	7,00
M10	50	35	58	8	UR1	DOC12S10X50ZK	6,05	DOC12S10X50EK	6,93
M10	80	35	88	8	UR1	DOC12S10X80ZK	7,60	-	
M12	35	35	43	8	UR1	DOC12S12X35ZK	7,95	-	
M12	50	35	58	8	UR1	DOC12S12X50ZK	9,00	-	
M12	80	35	88	8	UR1	DOC12S12X80ZK	11,50	-	

NOTA: confezione 10 pezzi
NOTE: 10 pieces pack

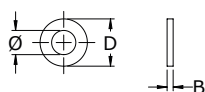


Classe / Class	
DOC	6.5
DOI	70
DOY	70

Dado esagonale / Hexagonal nut

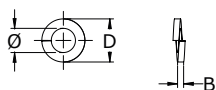
Ø	B mm	H mm	Geomet Geomet	Elettrolitico Electrolytic	Zincato a caldo Hot dip galv.	⚖ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
M6	10	5	DOC17S06D	DOC17S06E	-	0,23	DOI17S06J	DOY17S06N	0,23
M8	13	6,5	-	DOC17S08E	DOC17S08Z	0,48	DOI17S08J	DOY17S08N	0,48
M10	17	8	-	DOC17S10E	DOC17S10Z	1,04	DOI17S10J	DOY17S10N	1,04
M12	19	10	-	DOC17S12E	DOC17S12Z	1,53	DOI17S12J	DOY17S12N	1,53
M16	24	13	-	DOC17S16E	DOC17S16Z	2,97	DOI17S16J	DOY17S16N	2,97
M20	30	16	-	DOC17S20E	DOC17S20Z	5,76	DOI17S20J	DOY17S20N	5,76

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack



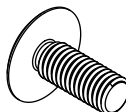
100 - 300 HV

B mm	Ø	D mm	Geomet Geomet	Elettrolitico Electrolytic	Zincato a caldo Hot dip galv.	⚡ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz
1,6	M6	12	D0C36S06X12D	D0C36S06X12E	-	0,10	D0I36S06X12J	D0Y36S06X12N	0,10
1,6	M6	18	D0C36L06X18D	D0C36L06X18E	-	0,28	D0I36L06X18J	D0Y36L06X18N	0,28
2,0	M6	24	D0C36L06X24D	D0C36L06X24E	-	0,65	D0I36L06X24J	D0Y36L06X24N	0,65
1,6	M8	16	-	D0C36S08X17E	D0C36S08X17Z	0,20	D0I36S08X17J	D0Y36S08X17N	0,20
2,0	M10	20	-	D0C36S10X21E	D0C36S10X21Z	0,36	D0I36S10X21J	D0Y36S10X21N	0,36
2,5	M12	24	-	D0C36S12X24E	D0C36S12X24Z	0,60	D0I36S12X24J	D0Y36S12X24N	0,60
3,0	M16	30	-	D0C36S16X30E	D0C36S16X30Z	1,10	D0I36S16X30J	D0Y36S16X30N	1,10
3,0	M20	37	-	D0C36S20X37E	D0C36S20X37Z	1,70	D0I36S20X37J	D0Y36S20X37N	1,70



DOC	44 - 51 HRC
DOI	100 - 300 HV
DOY	100 - 300 HV

B mm	Ø	D mm	Geomet Geomet	Elettrolitico Electrolytic	Zincato a caldo Hot dip galv.	⚖ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
1,6	M6	11,4	DOC37S06X11D	DOC37S06X11E	-	0,09	DOI37S06X11J	D0Y37S06X11N	0,09
2,0	M8	14,4	-	DOC37S08X14E	DOC37S08X14Z	0,17	DOI37S08X14J	D0Y37S08X14N	0,17
2,2	M10	17,0	-	DOC37S10X17E	DOC37S10X17Z	0,25	DOI37S10X17J	D0Y37S10X17N	0,25

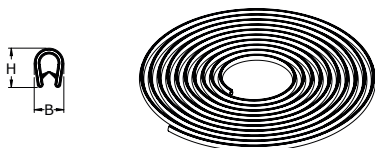


Classe / Class	
DOC	4.6 - 4.8
DOY	70

Vite testa bombata larga doppio intaglio / Wide crowned head screw with double slot

D	L mm	B mm	H mm	L1 mm	Geomet <i>Geomet</i>	Elettrolitico <i>Electrolytic</i>	⌘ kg/pz	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⌘ kg/pz
M6	20	14	23,3	3,3	DOC13L06X20D	DOC13L06X20E	0,65	DOI13L06X20J	DOY13L06X20N	0,65
M6	30	14	33,3	3,3	DOC13L06X30D	DOC13L06X30E	0,70	DOI13L06X30J	DOY13L06X30N	0,70
M8	20	18,7	24,4	4,4	DOC13L08X20D	DOC13L08X20E	1,35	DOI13L08X20J	DOY13L08X20N	1,35

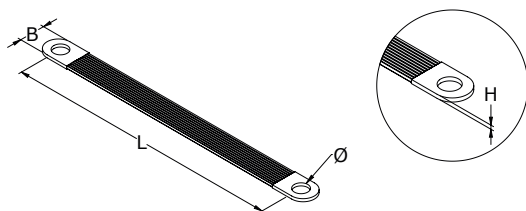
NOTA: confezione 100 pezzi
NOTE: 100 pieces pack



Guarnizione con anima metallica in AISI 316 / *AISI 316 metallic core gasket*

B mm	H mm	-	Inox AISI 316 <i>AISI 316 S.S.</i>	⌘ kg/pz	Nota <i>Note</i>
6	10	-	D0Q83A06X10X0050	0,06	Per spessori lamiera ≤ 1,2 / <i>For sheet metal thickness ≤ 1,2</i>
10	16	-	D0Q83A10X16X0050	0,12	Per spessori lamiera ≥ 1,2 / <i>For sheet metal thickness ≥ 1,2</i>

NOTA: unità di imballaggio 50m
NOTE: *packaging unit 50m*



B mm	H mm	L mm	S mm ²	Ø mm	Ramato Coppery	⚡ kg/pz
17	2,5	400	16	9	D0R90S16B40S	0,08
23	3,2	400	25	9	D0R90S25B40S	0,13
23	3,4	400	35	9	D0R90S35B40S	0,18
30	4,0	400	50	9	D0R90S50B40S	0,25



D	L mm	-	Elettrolitico <i>Electrolytic</i>	⌘ kg/pz
M6	37	-	DOC34S06X40E	0,9

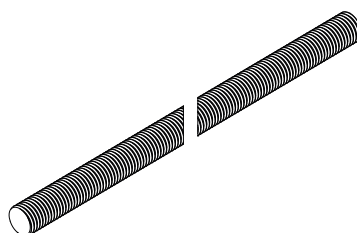
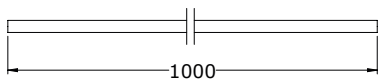
122



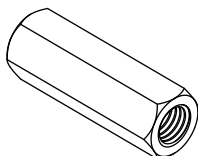
300 - 452 HV10

B mm	Ø	D	Elettrolitico <i>Electrolytic</i>	⚡ kg/pz
2,4	M8	14	DOC39S08X14E	0,07
2,7	M10	18	DOC39S10X18E	0,13

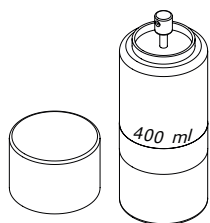
NOTA: confezione 100 pezzi
NOTE: 100 pieces pack



Ø	Elettrolitico <i>Electrolytic</i>	⚖ kg/pz	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⚖ kg/pz
M6	DOC30S06X10E	0,18	DOI30S06X10J	DOY30S06X10N	0,18
M8	DOC30S08X10E	0,32	DOI30S08X10J	DOY30S08X10N	0,32
M10	DOC30S10X10E	0,50	DOI30S10X10J	DOY30S10X10N	0,50
M12	DOC30S12X10E	0,73	DOI30S12X10J	DOY30S12X10N	0,73
M16	DOC30S16X10E	1,33	DOI30S16X10J	DOY30S16X10N	1,33
M20	DOC30S20X10E	2,08	DOI30S20X10J	DOY30S20X10N	2,08

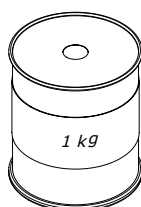


B mm	H mm	Ø	Elettrolitico <i>Electrolytic</i>	⚖ kg/pz	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⚖ kg/pz
10	30	M6	DOC33S06E	0,01	DOI33S06J	DOY33S06N	0,01
13	40	M8	DOC33S08E	0,02	DOI33S08J	DOY33S08N	0,02
17	45	M10	DOC33S10E	0,03	DOI33S10J	DOY33S10N	0,03
19	50	M12	DOC33S12E	0,04	DOI33S12J	DOY33S12N	0,04



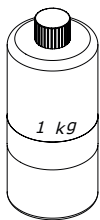
Codice	⚡	Colore
Code	kg/pz	Colour

NOTA: da usare per il ripristino della zincatura o della verniciatura
NOTE: to be used for the restoration of galvanizing or painting



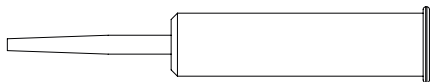
Codice	⌘	Colore
Code	kg/pz	Colour

NOTA: da usare per il ripristino della zincatura o della verniciatura
NOTE: to be used for the restoration of galvanizing or painting



Diluente / Thinner

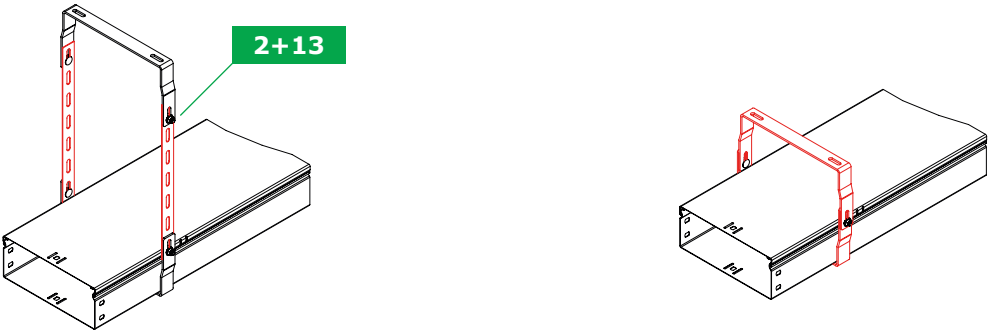
Codice Code	⚖ kg/pz	Confezione Pack
D0D81X1000	1,0	1 KG



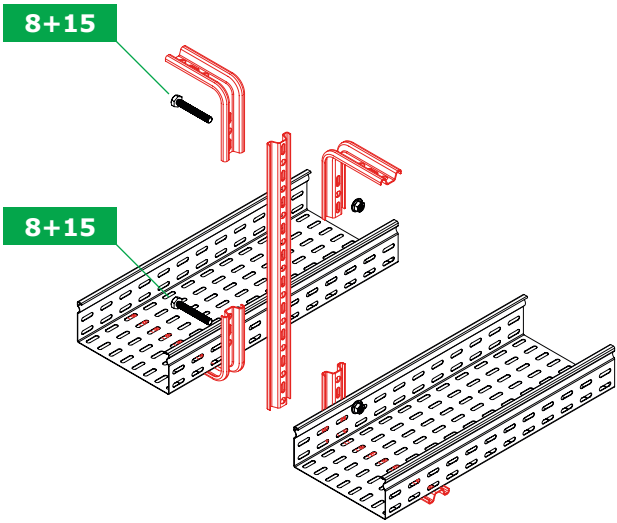
Sigillante per IP44 / Sealant for IP44

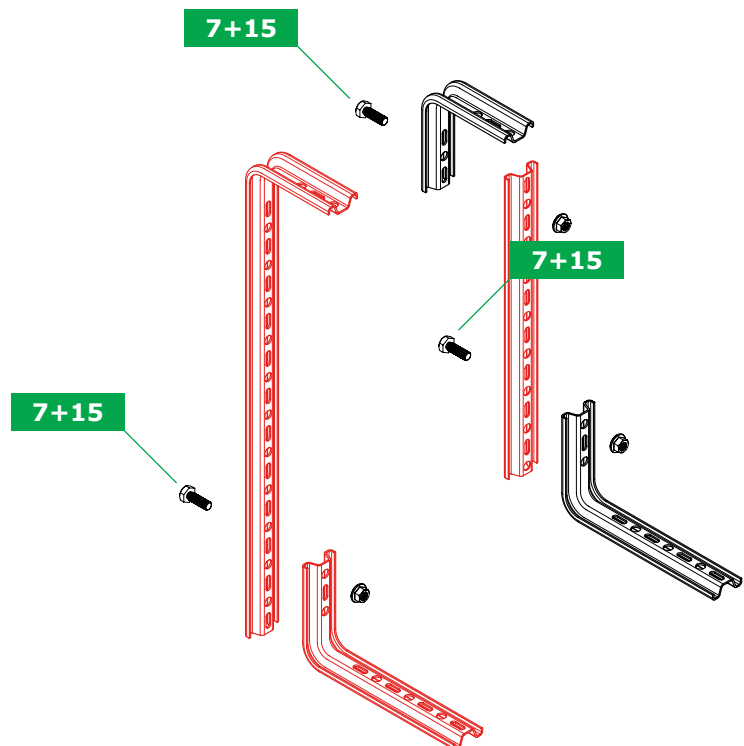
Codice Code	⚖ kg/pz	Confezione Pack
D0Q82X0300	0,3	300 ML

M01

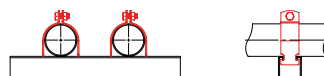
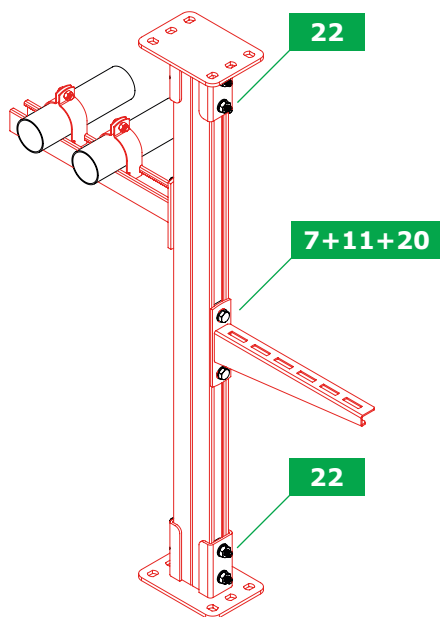


M02

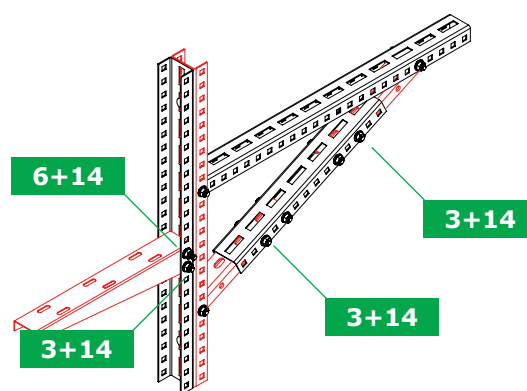
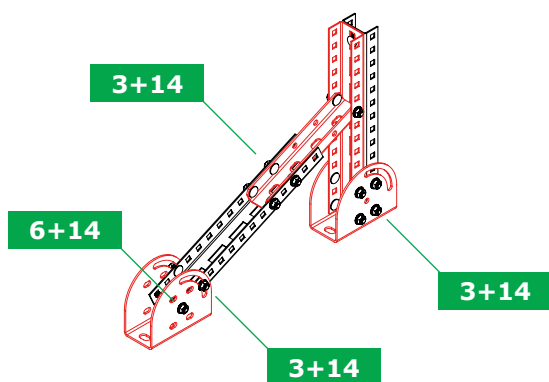




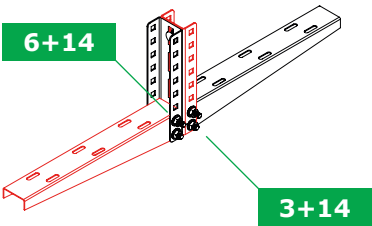
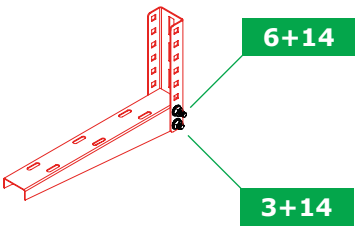
M05



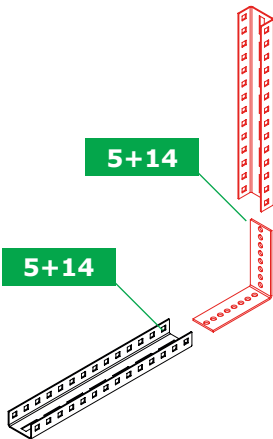
M06

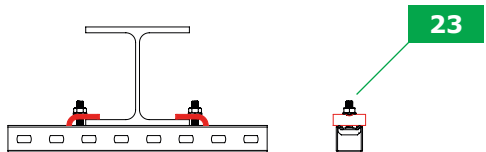
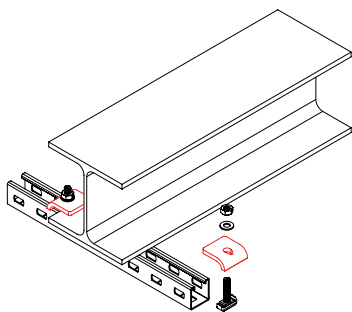
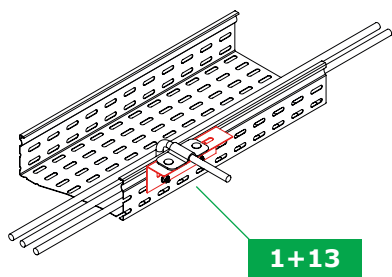
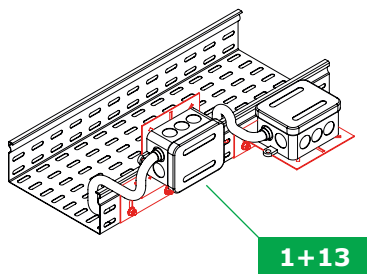


M07

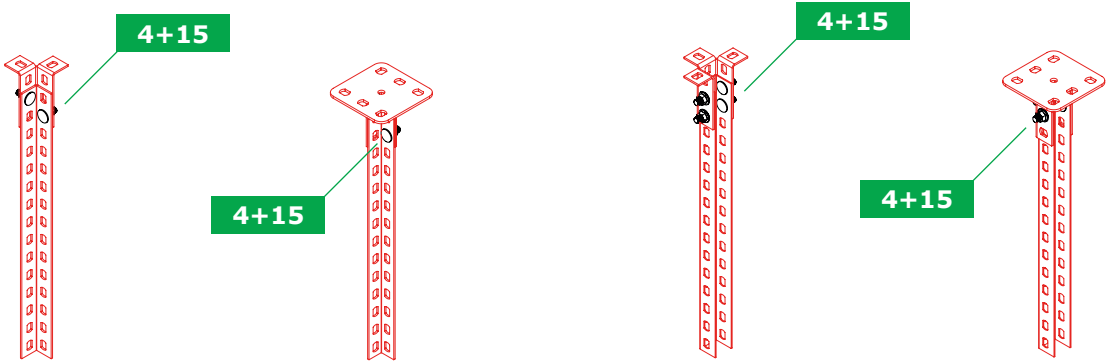


M08

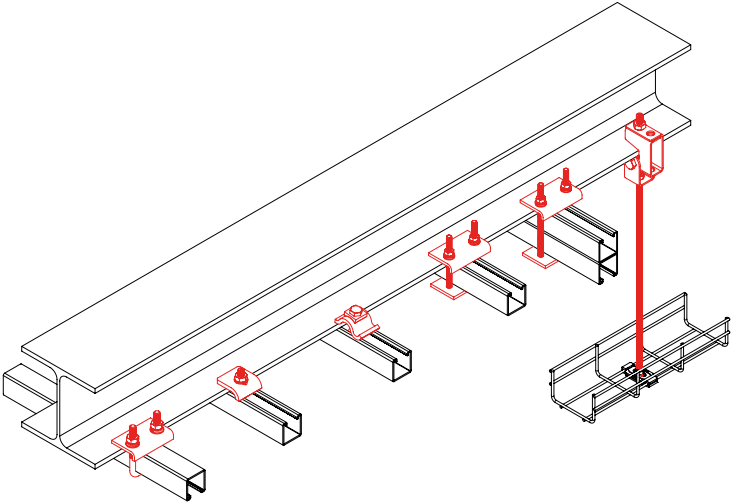




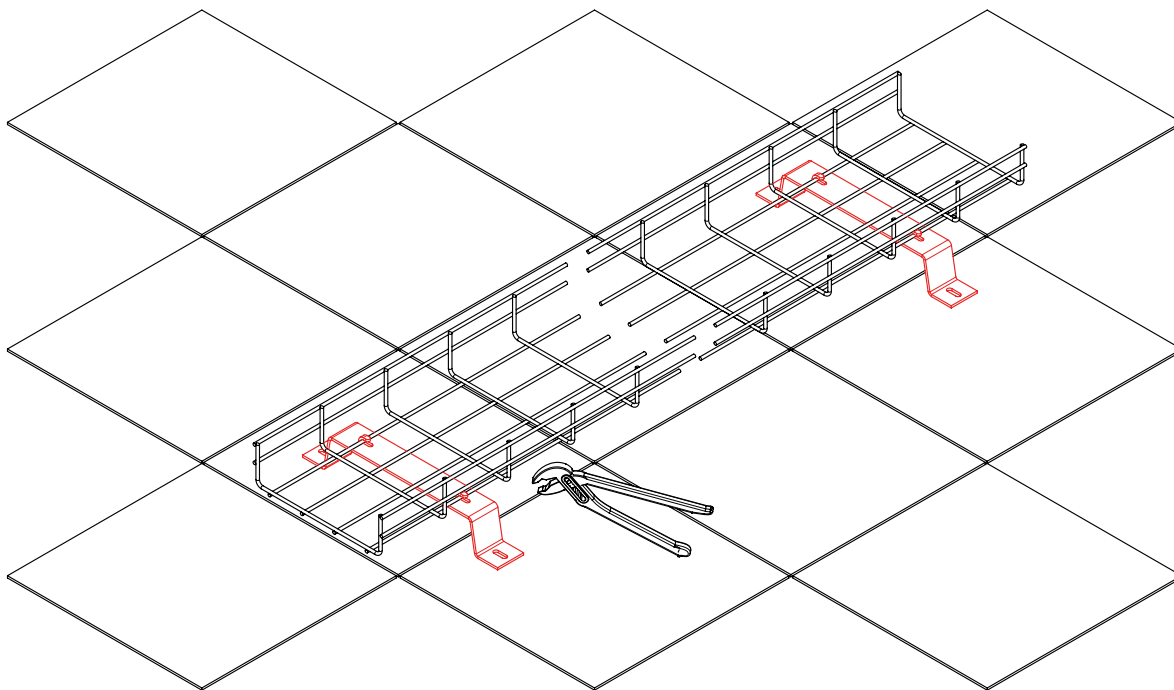
M11



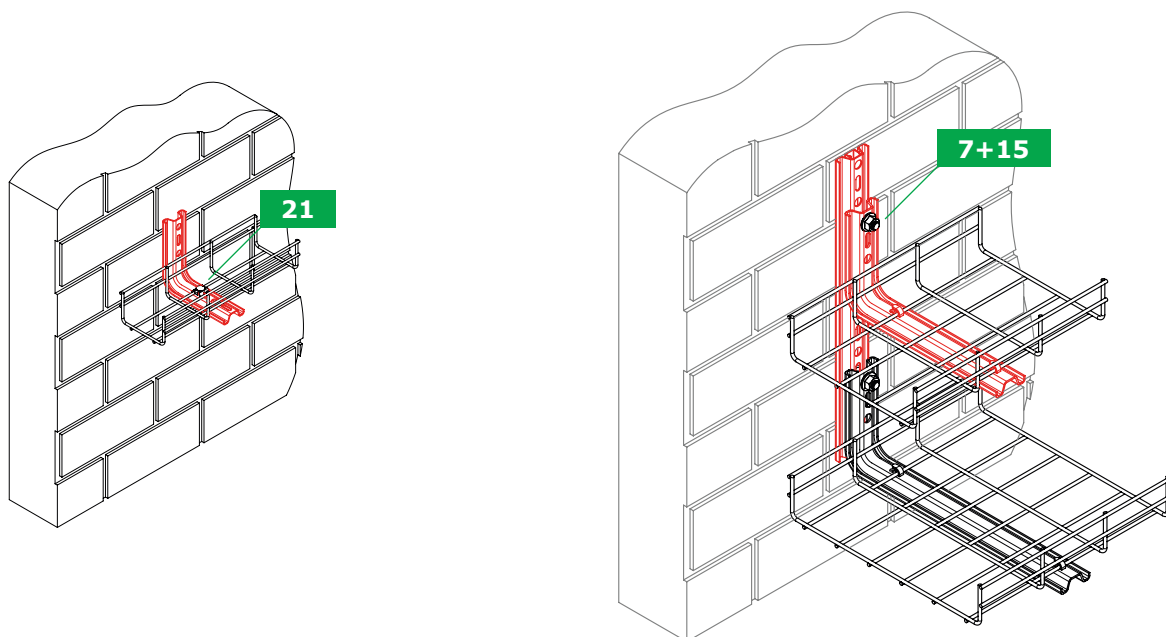
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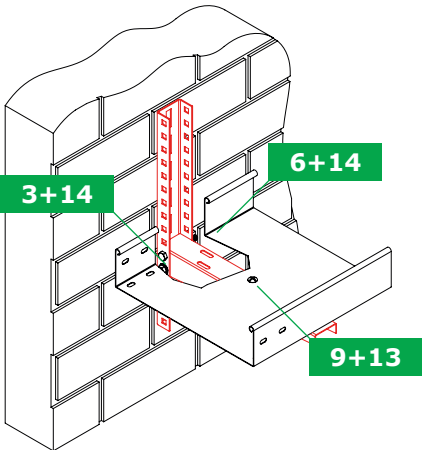
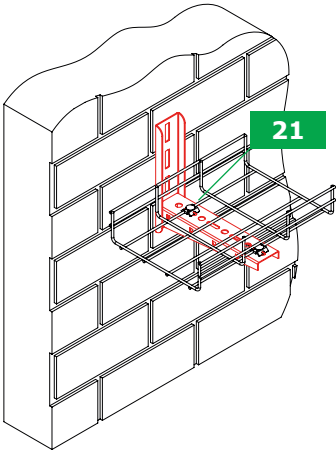
M13



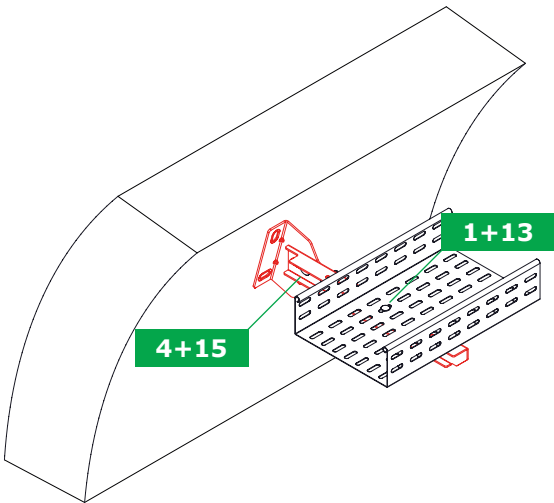
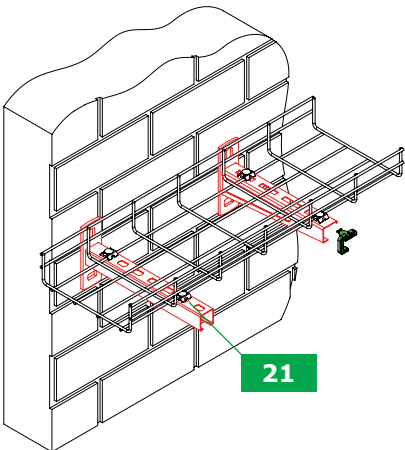
M14



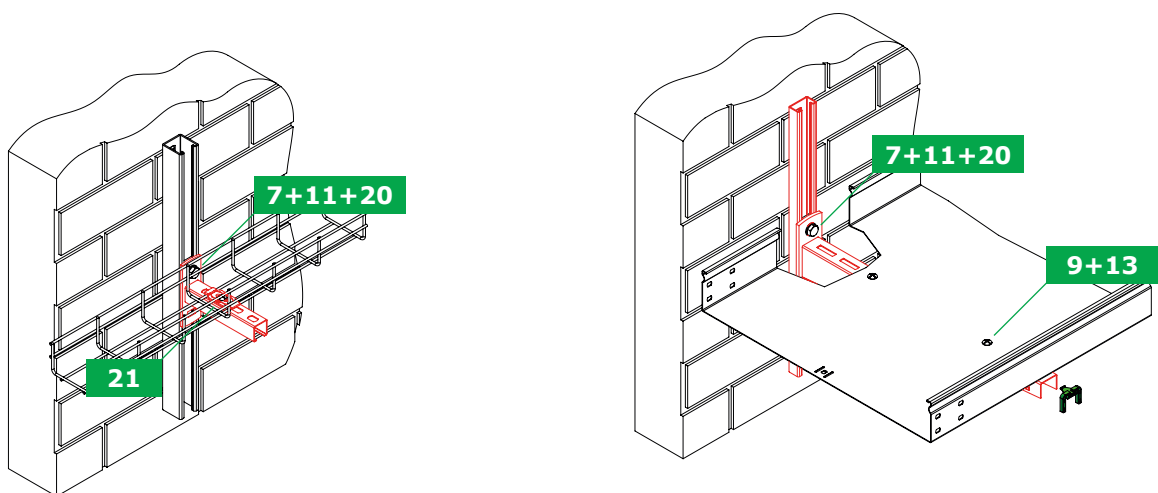
M15



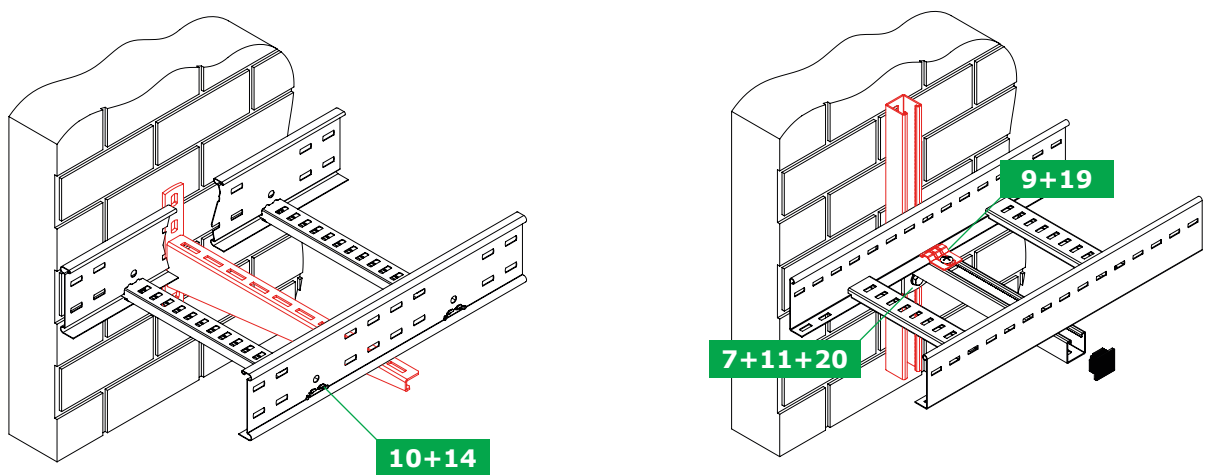
M16



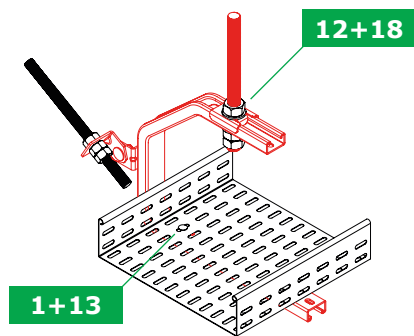
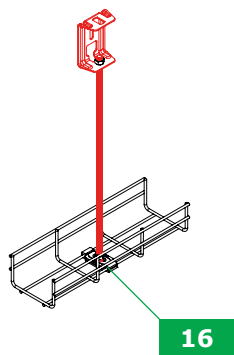
M17



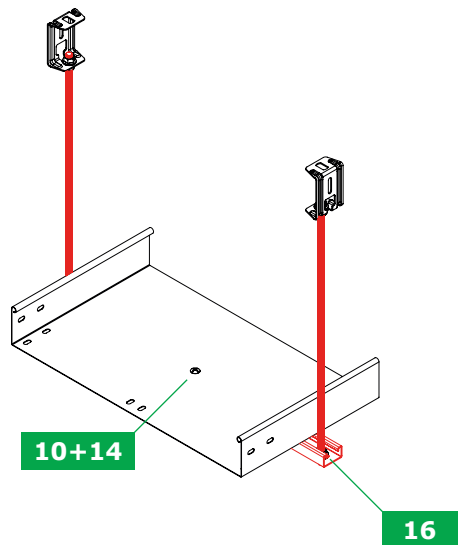
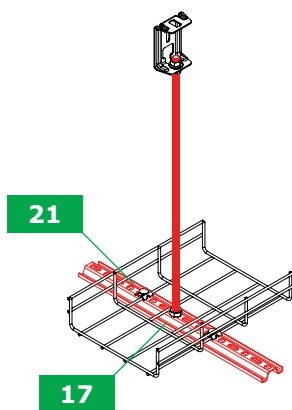
M18



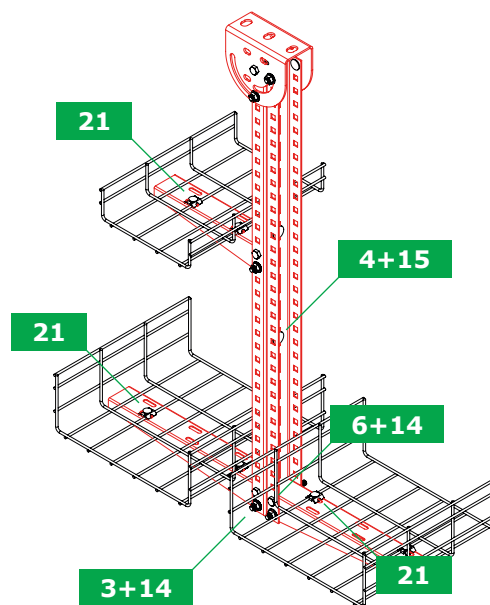
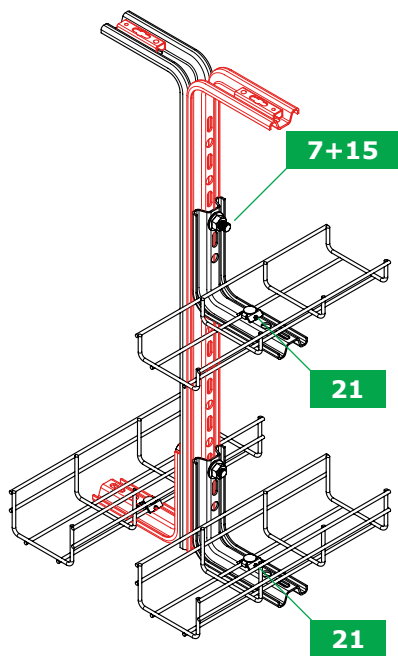
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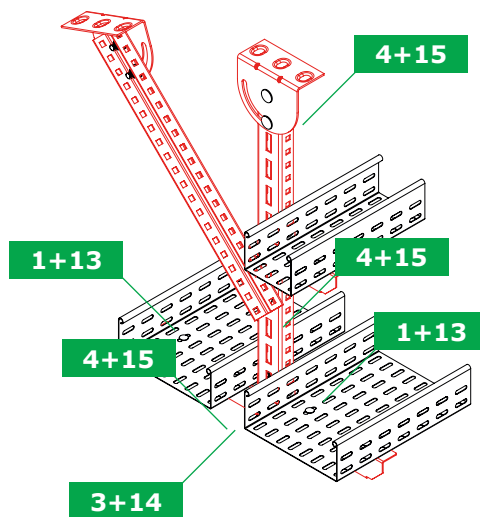
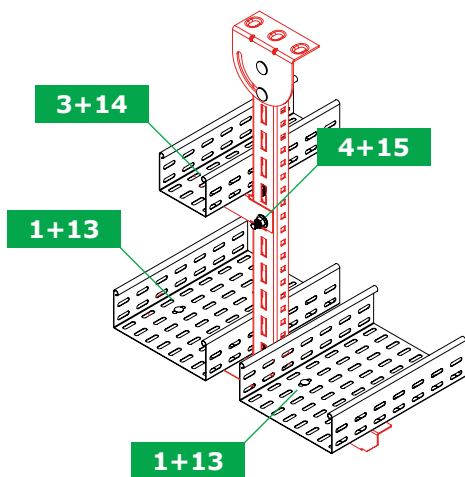
M20

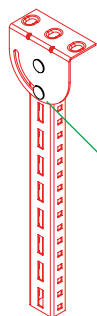


M21

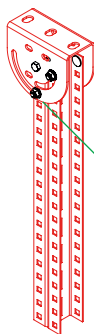


M22





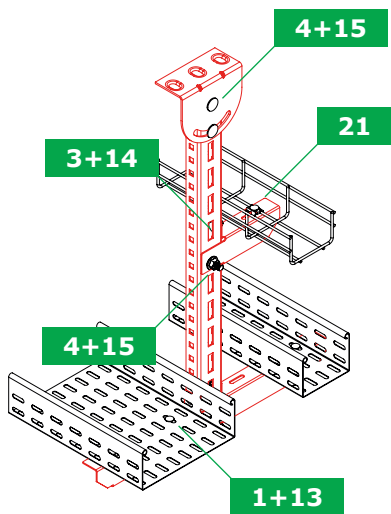
4+15



6+14



4+15



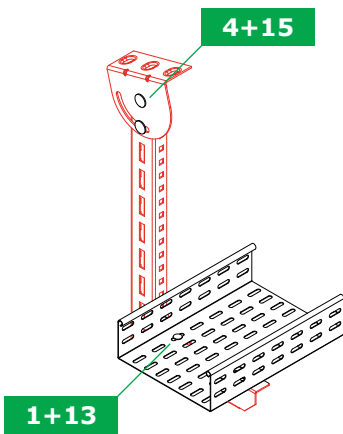
4+15

3+14

21

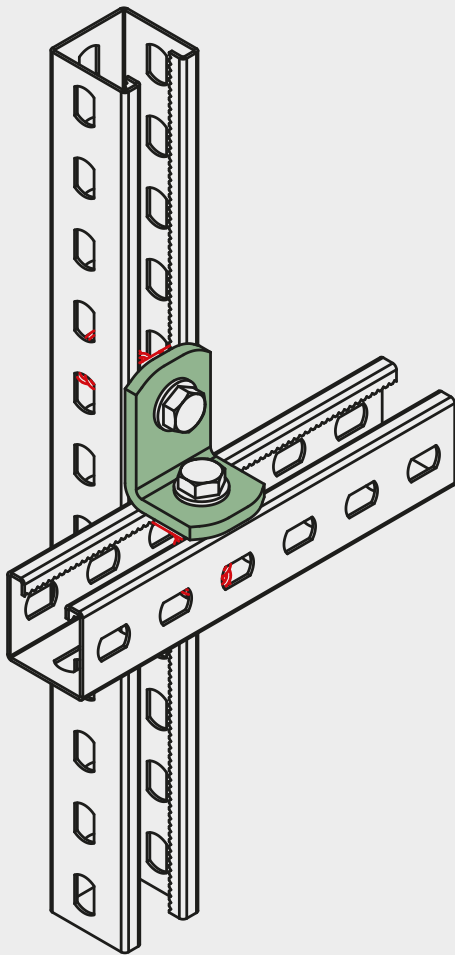
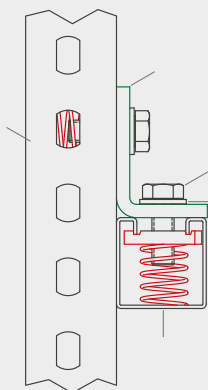
4+15

1+13



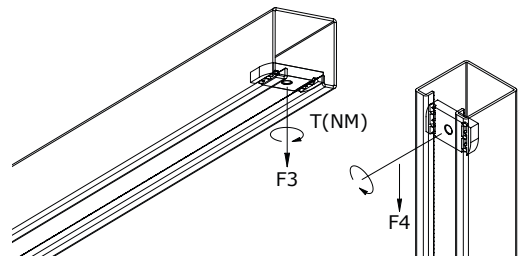
4+15

1+13

					
	PAG. 69		A0S41S3I040M	A0Z41S31040M	A0I41S31040M
	PAG. 94		A0E81021	A0Z81021	A0I81021
	PAG. 117		D0C27S10X40E	D0C27S10X40D	DYC27S10X40N
	PAG. 116		D0C11S10X30E	D0C11S10X30Z	DYC11S10X30N
	PAG. 120		D0C36S10X21E	D0C36S10X21Z	DYC36S10X21N

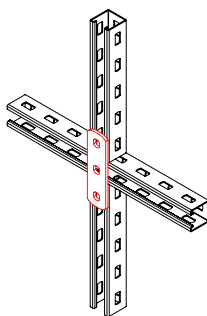
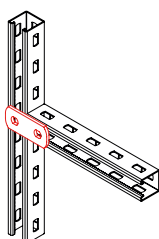
Carico massimo / Ultimate load

Dimensioni Dimensions	F3 (kN)	F4 (kN)
M6	5	1
M8	6	2,4
M10	7	3,5
M12	7	4

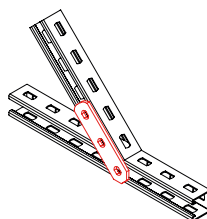


Esempi di montaggio
Installation examples

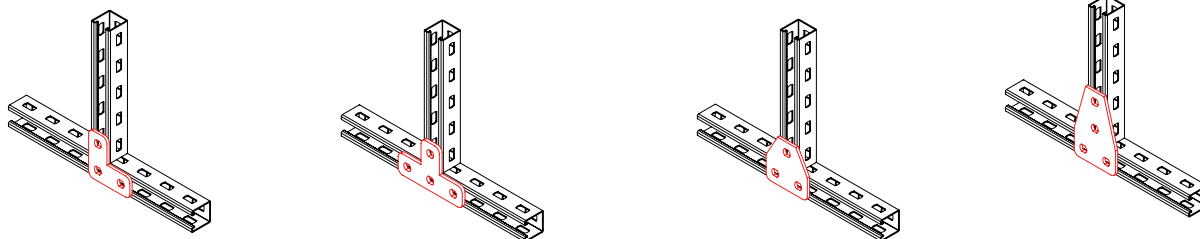
M25



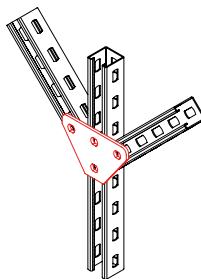
M26



M27

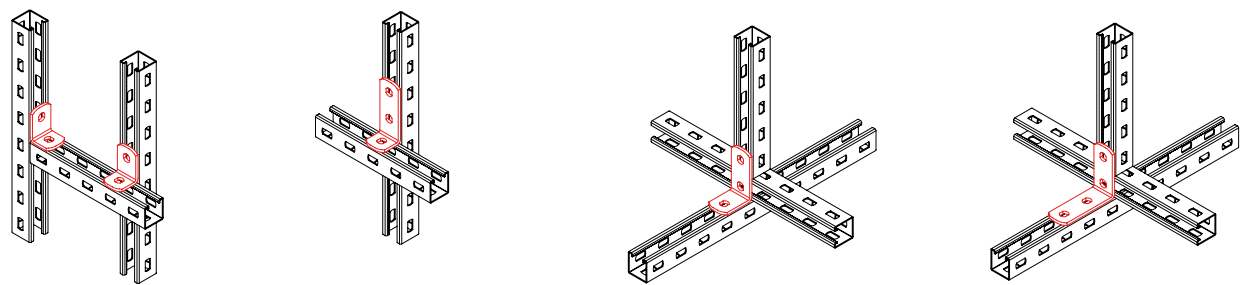


M28

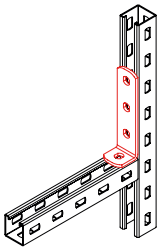


Esempi di montaggio
Installation examples

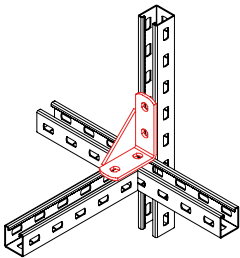
M29



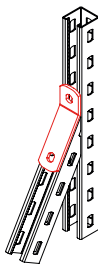
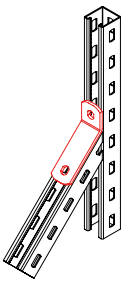
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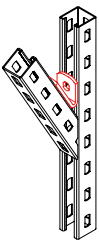
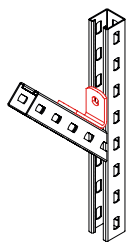
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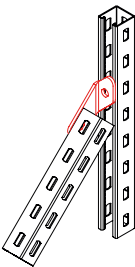
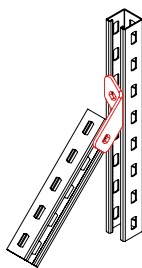
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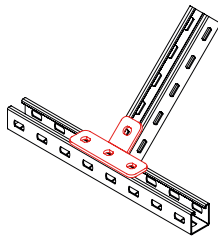
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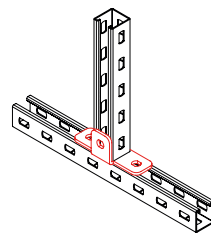
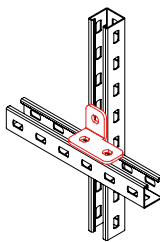
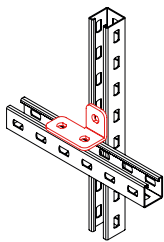
M34



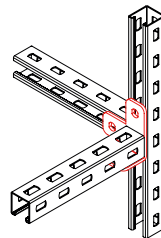
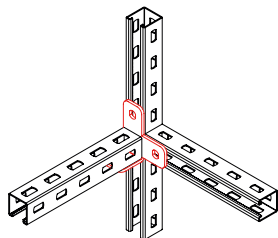
M35



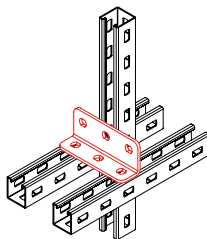
M36



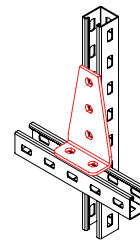
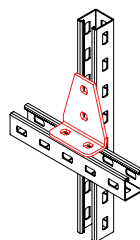
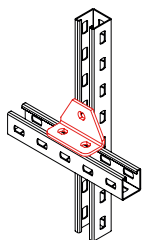
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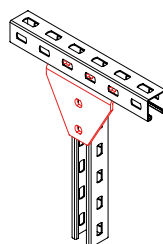
M38



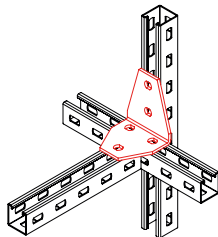
M39



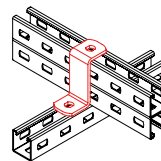
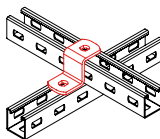
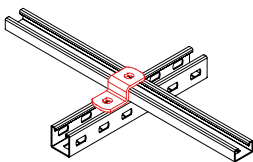
M40



M41



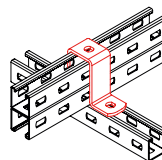
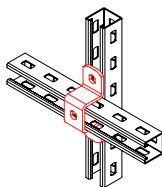
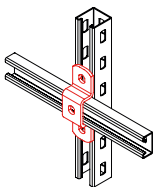
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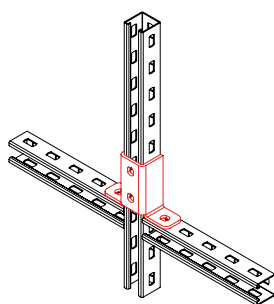
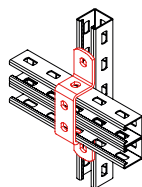


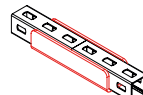
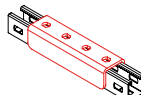
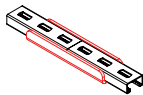
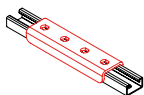
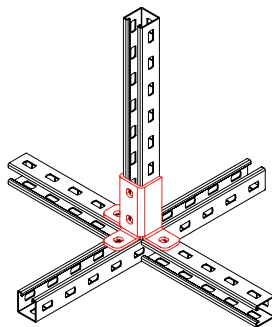
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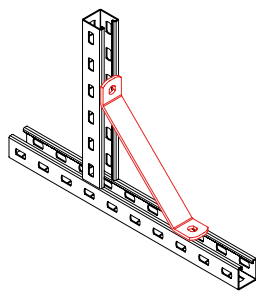
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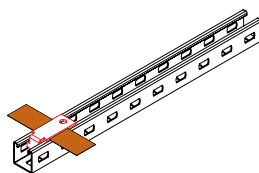




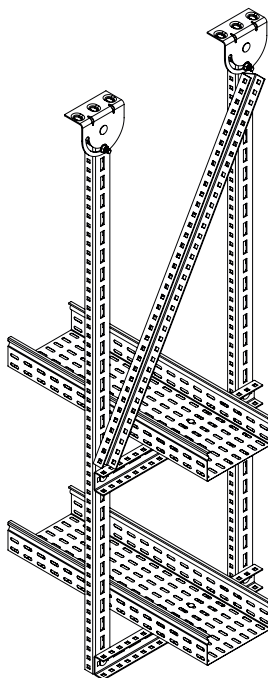
M49



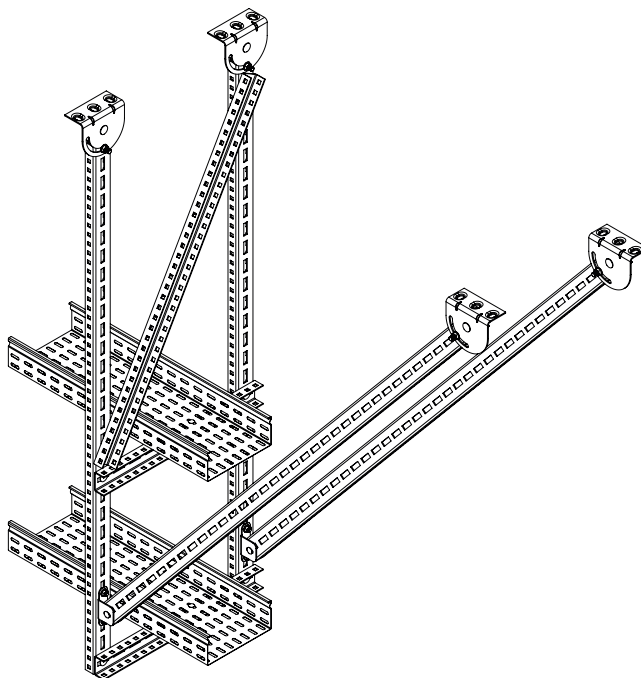
M50



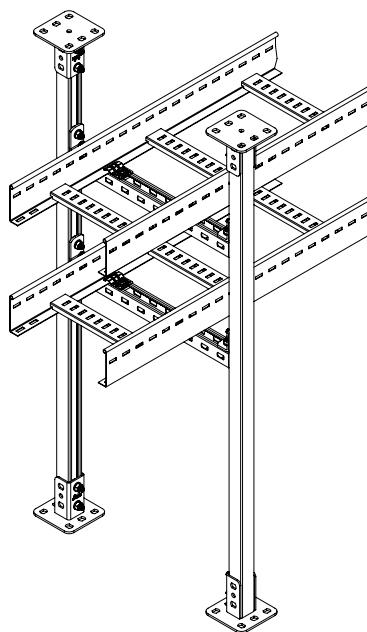
Rack 50-30 antisismico / 50-30 anti-seismic rack



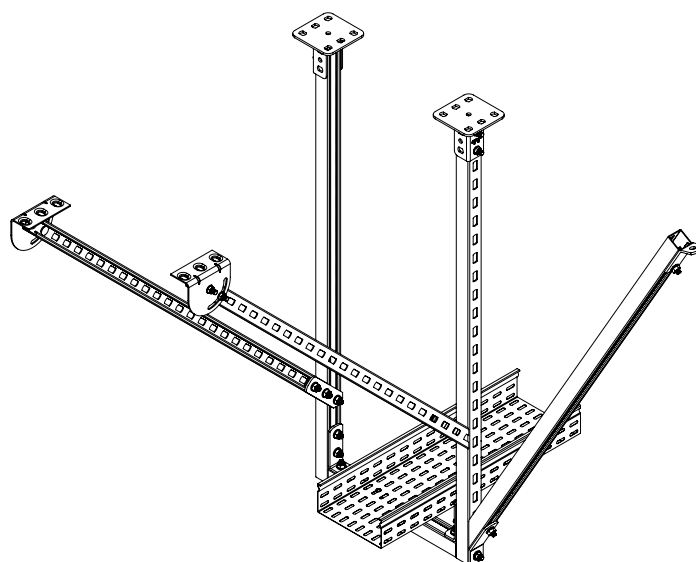
Rack 50-30 antisismico con controventi / 50-30 anti-seismic rack with breacings



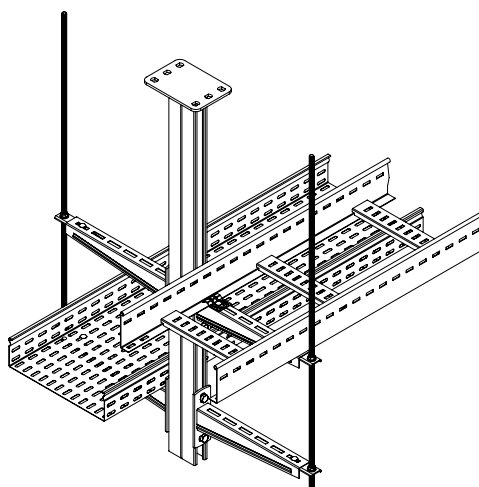
Rack UR1 / *UR1 rack*



Rack UR1 antisismico con controventi / *UR1 anti-seismic rack with bracings*

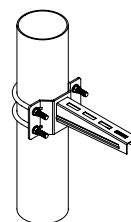
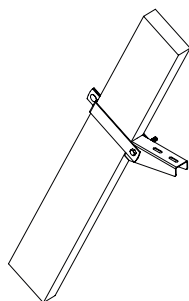


Staffaggio per resistenza al fuoco E30 - E60 - E90 / *Braketing fire resitant E30 - E60 - E90*

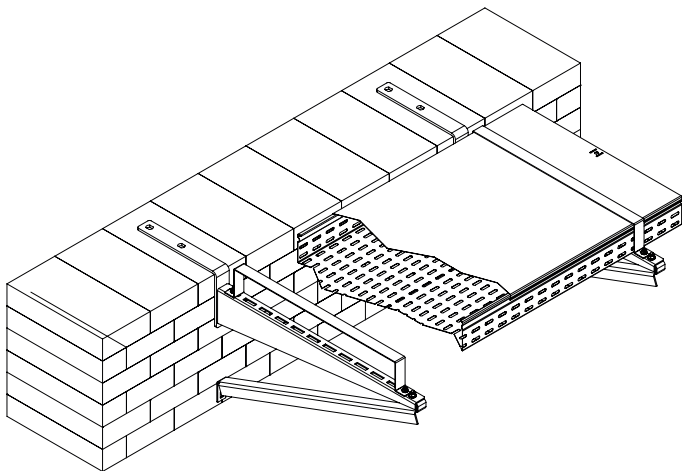


Mensola per profilo / *Braket for channel*

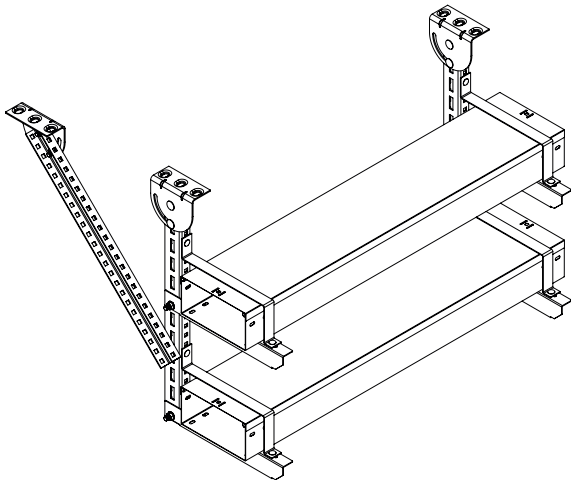
Mensola per tubolare / *Braket for tubular*



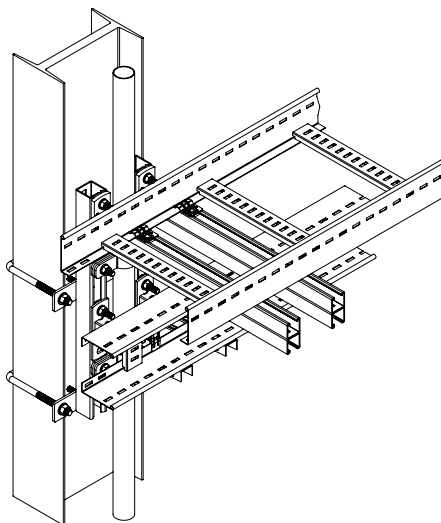
Strutture speciali | soluzioni personalizzate / *Special structures | custom solutions*



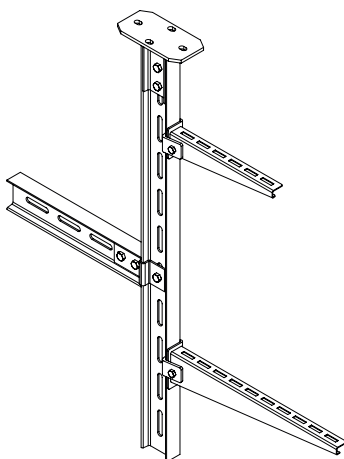
Strutture speciali | soluzioni personalizzate / *Special structures | custom solutions*



Strutture speciali | soluzioni personalizzate / *Special structures | custom solutions*

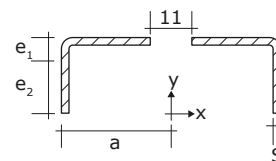
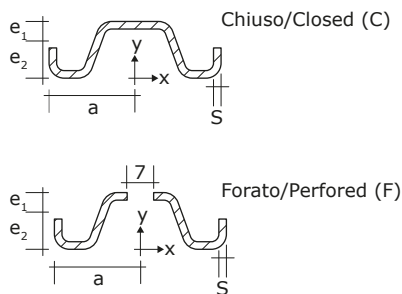
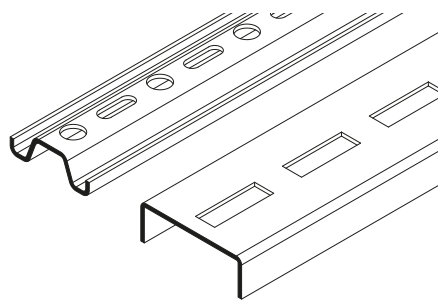


Strutture speciali | soluzioni personalizzate / *Special structures | custom solutions*



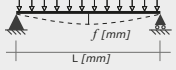
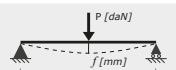
Scheda tecnica profili

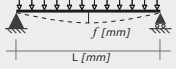
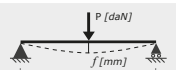
Channels technical data sheet



Caratteristiche geometriche e meccaniche
Geometric and mechanical characteristics

			A0_30CX3B045M S = 2,0 (C)	A0_30B3B045M S = 2,0 (F)	A0_33J3C055K S = 1,5	A0_33J3C055M S = 2,0
Area sezione Section area	A [mm ²]		142	120	123	163
	e ₁ [mm]		7,92	9,19	5,27	5,44
	e ₂ [mm]		7,08	5,81	14,73	14,56
	a [mm]		22,75	22,75	29	29
	I _x [mm ⁴]		3589	2335	4632	5970
Momento d'inerzia Moment of inertia	I _y [mm ⁴]		28205	27983	66137	85975
	W _x [mm ³]		453	254	314	410
Modulo di resistenza Section modulus	W _y [mm ³]		1240	1230	2281	2965
	i _x [mm]		5,03	4,41	6,14	6,05
Raggio d'inerzia Radius of gyration	i _y [mm]		14,09	15,27	23,19	22,97
S - Z *	Sforzo normale max Max normal stress	N [daN]	2854	2412	2472	3276
	Momento flettente max Max bending momentum	M _x [daN m]	9,11	5,11	6,32	8,24
		M _y [daN m]	24,92	24,72	45,84	59,59
I - Y *	Sforzo normale max Maximum normal stress	N [daN]	2087	1764	1808	2396
	Momento flettente max Max bending momentum	M _x [daN m]	6,66	3,73	4,62	6,03
		M _y [daN m]	18,22	18,08	33,52	43,58

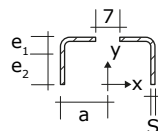
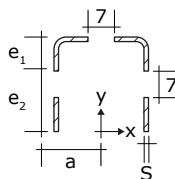
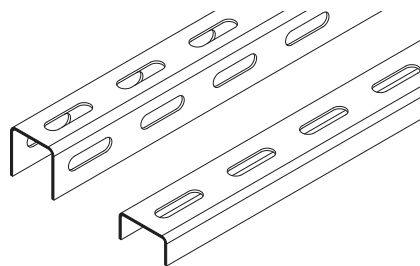
		L mm	q	f	q	f	q	f	q	f
S-Z* σ _{adm} = 201MPa		1000	57,90	10,00	37,70	10,00	50,60	6,77	65,90	6,85
		2000	-	-	-	-	9,30	20,00	12,00	20,00
		3000	-	-	-	-	-	-	-	-
		1000	36,20	10,00	23,50	10,00	25,30	5,41	33,00	5,50
		2000	-	-	-	-	11,70	20,00	15,00	20,00
		3000	-	-	-	-	-	-	-	-

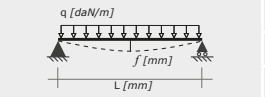
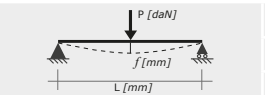
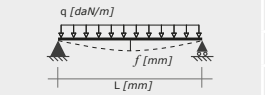
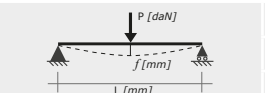
		L mm	q	f	q	f	q	f	q	f
I-Y* σ _{adm} = 201MPa		1000	53,30	9,21	29,90	7,93	37,00	4,95	48,20	5,01
		2000	-	-	-	-	-	-	-	-
		3000	-	-	-	-	-	-	-	-
		1000	26,60	7,37	14,90	6,30	18,50	3,96	24,10	4,00
		2000	-	-	-	-	-	-	-	-
		3000	-	-	-	-	-	-	-	-

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

Scheda tecnica profili

Channels technical data sheet

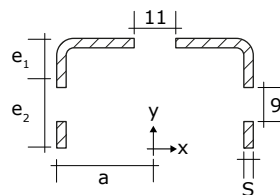
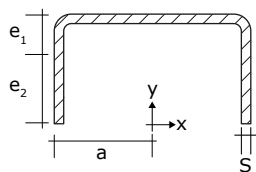
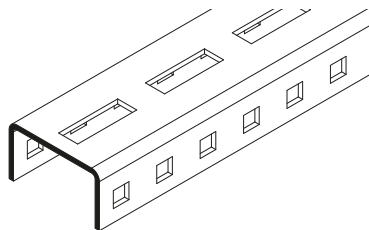


Caratteristiche geometriche e meccaniche Geometric and mechanical characteristics			A0_33C3E025F S = 1,0		A0_33C3E025H S = 1,2		A0_33C3E025M S = 2,0		A0_33C3A025F S = 1,0		A0_33C3A025K S = 1,5		A0_33C3A025M S = 2,0	
Area sezione Section area		A [mm²]	50		59		96		44		65		85	
Assi baricentrici Barycentric axes		e ₁ [mm]	9,22		9,30		9,63		4,48		4,64		4,80	
		e ₂ [mm]	15,78		15,70		15,37		9,22		9,06		8,90	
		a [mm]	12,50		12,50		12,50		13,70		13,70		13,70	
Momento d'inerzia Moment of inertia		I _x [mm⁴]	3957		4693		7464		840		1197		1518	
		I _y [mm⁴]	5812		6833		10485		5764		8224		10426	
Modulo di resistenza Section modulus		W _x [mm³]	251		299		486		91		132		171	
		W _y [mm³]	465		547		839		421		600		761	
Raggio d'inerzia Radius of gyration		i _x [mm]	8,9		8,92		8,82		4,37		4,29		4,23	
		i _y [mm]	10,78		10,76		10,45		11,45		11,25		11,08	
S - Z*	Sforzo normale max Max normal stress	N [daN]	1005		1186		1930		884		1307		1709	
	Momento flettente max Max bending momentum	M _x [daN m]	5,04		6,01		9,76		1,83		2,66		3,43	
		M _y [daN m]	9,35		10,99		16,86		8,46		12,07		15,30	
I - Y*	Sforzo normale max Maximum normal stress	N [daN]	735		867		1411		647		956		1250	
	Momento flettente max Max bending momentum	M _x [daN m]	3,69		4,39		7,14		1,34		1,94		2,51	
		M _y [daN m]	6,83		8,04		12,33		6,18		8,82		11,19	
			L mm		q	f	q	f	q	f	q	f	q	f
S-Z* σ _{adm} = 201MPa		1000	40,30	6,32	48,10	6,35	78,10	6,49	13,50	10,00	19,30	10,00	24,50	10,00
		2000	8,00	20,00	9,50	20,00	15,00	20,00	-	-	-	-	-	-
		3000	-	-	-	-	-	-	-	-	-	-	-	-
	L mm		P	f	P	f	P	f	P	f	P	f	P	f
S-Z* σ _{adm} = 201MPa		1000	20,20	5,10	24,00	5,10	39,00	5,20	7,30	8,70	10,60	8,80	13,70	9,00
		2000	10,00	20,00	11,80	20,00	18,80	20,00	-	-	-	-	-	-
		3000	-	-	-	-	-	-	-	-	-	-	-	-
				L mm		q	f	q	f	q	f	q	f	q
I-Y* σ _{adm} = 201MPa		1000	29,50	4,62	35,20	4,64	57,10	4,74	10,70	7,91	15,50	8,05	20,10	8,19
		2000	-	-	-	-	-	-	-	-	-	-	-	-
		3000	-	-	-	-	-	-	-	-	-	-	-	-
	L mm		P	f	P	f	P	f	P	f	P	f	P	f
I-Y* σ _{adm} = 201MPa		1000	14,70	3,70	17,60	3,72	28,60	3,80	5,40	6,30	7,80	6,40	10,00	6,60
		2000	-	-	-	-	-	-	-	-	-	-	-	-
		3000	-	-	-	-	-	-	-	-	-	-	-	-

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

Scheda tecnica profili

Channels technical data sheet

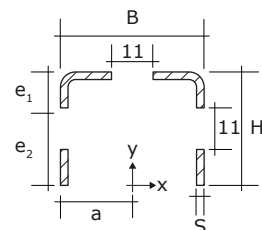
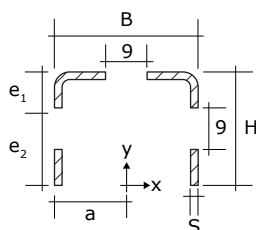
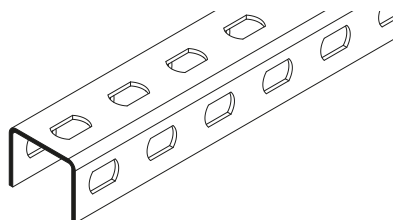


Caratteristiche geometriche e meccaniche Geometric and mechanical characteristics			A0_34X3F050K S = 1,5		A0_34X3F050M S = 2,0		A0_34X3F050P S = 2,5		A0_34J3F050K S = 1,5		A0_34J3F050M S = 2,0		A0_34J3F050P S = 2,5		
Area sezione Section area		A [mm²]	156		206		256		112		148		183		
Assi baricentrici Barycentric axes		e ₁ [mm]	8,46		8,62		8,79		7,41		7,60		7,78		
		e ₂ [mm]	20,54		20,38		20,21		21,59		21,40		21,22		
		a [mm]	26		26		26		26		26		26		
Momento d'inerzia Moment of inertia		I _x [mm⁴]	13319		17335		21157		9823		12814		15675		
		I _y [mm⁴]	66949		87009		106003		49583		64275		78137		
Modulo di resistenza Section modulus		W _x [mm³]	648		851		1047		455		599		739		
		W _y [mm³]	2575		3347		4077		1906		2472		3005		
Raggio d'inerzia Radius of gyration		i _x [mm]	9,24		9,17		9,09		9,37		9,30		9,26		
		i _y [mm]	20,72		20,55		20,35		21,04		20,84		20,66		
S - Z*	Sforzo normale max Max normal stress	N [daN]	3136		4141		5146		2251		2975		3678		
	Momento flettente max Max bending momentum	M _x [daN m]	13,03		17,10		21,04		9,15		12,04		14,85		
		M _y [daN m]	51,76		67,26		81,95		38,32		49,69		60,41		
I - Y*	Sforzo normale max Maximum normal stress	N [daN]	2293		3028		3763		1646		2176		2690		
	Momento flettente max Max bending momentum	M _x [daN m]	9,53		12,50		15,39		6,69		8,80		10,86		
		M _y [daN m]	37,85		49,19		59,93		28,02		36,34		44,18		
			L mm	q	f	q	f	q	f	q	f	q	f	q	f
S-Z* σ _{adm} =201MPa		1000	104,30	4,85	136,80	4,89	168,30	4,93	73,20	4,62	96,30	4,66	118,80	4,70	
		2000	26,10	19,42	34,20	19,57	42,10	19,73	18,30	18,47	24,10	18,64	29,70	18,79	
		3000	8,00	30,00	10,40	30,00	12,60	30,00	5,90	30,00	7,70	30,00	9,40	30,00	
	L mm	P	f	P	f	P	f	P	f	P	f	P	f	P	f
S-Z* σ _{adm} =201MPa		1000	52,10	3,90	68,40	3,90	84,20	3,90	36,60	3,70	48,10	3,70	59,40	3,80	
		2000	26,10	15,50	34,20	15,70	42,10	15,80	18,30	14,80	24,10	14,90	29,70	15,00	
		3000	14,90	30,00	19,40	30,00	23,70	30,00	11,00	30,00	14,40	30,00	17,60	30,00	
	L mm	P	f	P	f	P	f	P	f	P	f	P	f	P	f
I-Y* σ _{adm} =201MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f	
		1000	76,30	3,55	100,00	3,58	123,10	3,61	53,50	3,38	70,40	3,41	86,90	3,44	
		2000	-	-	-	-	-	-	-	-	-	-	-	-	
	3000	-	-	-	-	-	-	-	-	-	-	-	-		
	L mm	P	f	P	f	P	f	P	f	P	f	P	f		
		1000	38,10	2,80	50,00	2,90	61,60	2,90	26,80	2,70	35,20	2,70	43,40	2,70	
		2000	-	-	-	-	-	-	-	-	-	-	-	-	
3000		-	-	-	-	-	-	-	-	-	-	-	-		

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

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Channels technical data sheet



Caratteristiche geometriche e meccaniche
Geometric and mechanical characteristics

A0_33D3E030M B=30/H=25/S=2,0 A0_33D3E030P B=30/H=25/S=2,5 A0_33D3F035P B=35/H=30/S=2,5 A0_33G3H040M B=40/H=35/S=2,0 A0_33G3H040P B=40/H=35/S=2,5 A0_33G3H040Q B=40/H=35/S=3,0

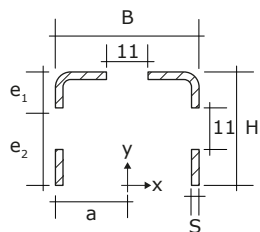
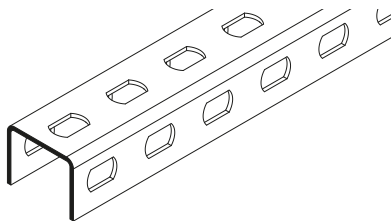
Area sezione Section area			A [mm ²]	100	124	157	138	172	205
Assi baricentrici Barycentric axes			e ₁ [mm]	8,63	9,07	10,44	11,61	12,05	12,50
			e ₂ [mm]	16,37	16,43	19,56	21,89	21,95	22
			a [mm]	16	16	18	20	20	20
Momento d'inerzia Moment of inertia			I _x [mm ⁴]	7927	10069	16896	19792	25026	30373
			I _y [mm ⁴]	17173	20842	34168	38844	47418	55564
Modulo di resistenza Section modulus			W _x [mm ³]	484	613	864	904	1140	1381
			W _y [mm ³]	1073	1303	1898	1942	2371	2778
Raggio d'inerzia Radius of gyration			i _x [mm]	8,90	9,01	10,37	11,98	12,06	12,17
			i _y [mm]	13,10	12,96	14,75	16,78	16,60	16,46
S - Z *	Sforzo normale max Max normal stress		N [daN]	2010	2492	3156	2774	3457	4121
	Momento flettente max Max bending momentum		M _x [daN m]	9,73	12,32	17,36	18,17	22,92	27,75
			M _y [daN m]	21,57	26,18	38,15	39,04	47,66	55,84
I - Y *	Sforzo normale max Maximum normal stress		N [daN]	1470	1823	2308	2029	2528	3014
	Momento flettente max Max bending momentum		M _x [daN m]	7,12	9,01	12,70	13,29	16,76	20,29
			M _y [daN m]	15,78	19,15	27,90	28,55	34,85	40,84

S-Z* σ _{adm} = 201MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	77,90	6,09	98,50	6,07	138,90	5,10	145,40	4,55	183,30	4,54	222,00	4,53
		2000	16,00	20,00	20,30	20,00	34,10	20,00	36,30	18,22	45,80	18,17	55,50	18,13
		3000	4,70	30,00	6,00	30,00	10,10	30,00	11,80	30,00	14,90	30,00	18,10	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	38,90	4,90	49,30	4,90	69,40	4,10	72,70	3,60	91,70	3,60	111,00	3,60
		2000	19,50	19,50	24,60	19,40	34,70	16,30	36,30	14,60	45,80	14,50	55,50	14,50
		3000	8,90	30,00	11,30	30,00	18,90	30,00	22,20	30,00	28,00	30,00	34,00	30,00
I-Y* σ _{adm} = 201MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	56,90	4,45	72,10	4,44	101,60	3,73	106,30	3,33	134,10	3,32	162,40	3,31
		2000	14,20	17,82	18,00	17,75	25,40	14,91	26,60	13,32	33,50	13,29	40,60	13,26
		3000	4,70	30,00	6,00	30,00	10,10	30,00	11,80	29,98	14,90	29,90	18,00	29,83
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	28,50	3,56	36,00	3,55	50,80	2,98	53,20	2,66	67,00	2,66	81,20	2,65
		2000	14,20	14,25	18,00	14,20	25,40	11,93	26,60	10,66	33,50	10,63	40,60	10,61
		3000	8,90	30,00	11,30	30,00	16,90	26,84	17,70	23,98	22,30	23,92	27,10	23,86

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

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Caratteristiche geometriche e meccaniche
Geometric and mechanical characteristics

Caratteristiche geometriche e meccaniche <i>Geometric and mechanical charateristics</i>			A0_33G3I040M B=40/H=40/S=2,0	A0_33G3I045P B=45/H=40/S=2,5	A0_33G3I050Q B=50/H=40/S=3,0	A0_33G3I060Q B=60/H=40/S=3,0	A0_33G3I060S B=60/H=40/S=4,0	A0_33G3K070Q B=70/H=50/S=3,0
Area sezione <i>Section area</i>		A [mm²]	138	199	274	316	411	376
Assi baricentrici <i>Barycentric axes</i>		e ₁ [mm]	13,21	13,52	13,85	13,95	14,20	15,13
		e ₂ [mm]	21,79	24,48	27,15	30,05	29,80	32,87
		a [mm]	18,50	21,50	25	29	29	35
Momento d'inerzia <i>Moment of inertia</i>		I _x [mm⁴]	22033	35721	54417	69233	88972	101530
		I _y [mm⁴]	34152	64580	116873	179789	227280	307303
Modulo di resistenza <i>Section modulus</i>		W _x [mm³]	1011	1459	2004	2304	2986	3089
		W _y [mm³]	1846	3004	4675	6200	7837	8780
Raggio d'inerzia <i>Radius of gyration</i>		i _x [mm]	12,64	13,40	14,09	14,80	14,71	16,43
		i _y [mm]	15,73	18,01	20,65	23,85	23,50	28,59
S - Z *	Sforzo normale max <i>Max normal stress</i>	N [daN]	2274	4000	5507	6352	8269	7558
	Momento flettente max <i>Max bending momentum</i>	M _x [daN m]	20,32	29,33	40,29	46,31	60,01	62,09
		M _y [daN m]	37,11	60,37	93,97	124,61	157,53	176,48
I - Y *	Sforzo normale max <i>Maximum normal stress</i>	N [daN]	2029	2925	4028	4645	6048	5527
	Momento flettente max <i>Max bending momentum</i>	M _x [daN m]	14,86	21,45	29,46	33,87	43,89	45,41
		M _y [daN m]	27,14	44,15	68,72	91,13	115,21	129,07

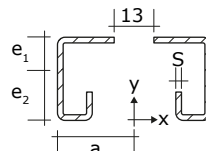
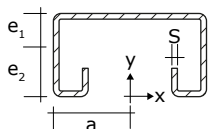
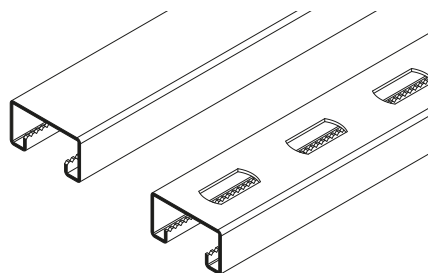
		L mm	q	f	q	f	q	f	q	f	q	f	q	f
S-Z* σ _{adm} =201MPa		1000	162,60	4,58	234,60	4,07	322,30	3,67	370,50	3,32	240,00	3,35	496,70	3,03
		2000	40,60	18,30	58,70	16,29	80,60	14,69	92,60	13,27	120,00	13,38	124,20	12,13
		3000	13,20	30,00	21,30	30,00	32,50	30,00	41,20	29,86	80,00	30,11	55,20	27,30
		1000	81,30	3,70	117,30	3,30	161,10	2,90	185,20	2,70	240,00	2,70	248,30	2,40
		2000	40,60	14,60	58,70	13,00	80,60	11,80	92,60	10,60	120,00	10,70	124,20	9,70
		3000	24,70	30,00	39,10	29,30	53,70	26,40	61,70	23,90	80,00	24,10	82,80	21,80

		L mm	q	f	q	f	q	f	q	f	q	f	q	f
I-Y* σ _{adm} =201MPa		1000	118,90	3,35	171,60	2,98	235,70	2,69	270,90	2,43	351,10	2,45	363,20	2,22
		2000	29,70	13,39	42,90	11,91	58,90	10,74	67,70	9,71	87,80	9,79	90,80	8,87
		3000	13,20	30,00	19,10	26,81	26,20	24,17	30,10	21,84	39,00	22,02	40,40	19,97
		1000	59,50	2,68	85,80	2,38	117,90	2,15	135,50	1,94	175,60	1,96	181,60	1,77
		2000	29,70	10,71	42,90	9,53	58,90	8,59	67,70	7,76	87,80	7,83	90,80	7,10
		3000	19,80	24,09	28,60	21,45	39,30	19,34	45,20	17,47	58,50	17,62	60,50	15,97

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

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Caratteristiche geometriche e meccaniche Geometric and mechanical characteristics			A0_40X3D040K S = 1,5	A0_40X3D040M S = 2,0	A0_40X3D040P S = 2,5	A0_40R3D040K S = 1,5	A0_40R3D040M S = 2,0	A0_40R3D040P S = 2,5
Area sezione Section area	A [mm ²]		156	200	241	136	174	208
	e ₁ [mm]		9,38	9,26	9,14	10,62	10,50	10,37
	e ₂ [mm]		12,62	12,74	12,86	11,38	11,50	11,63
	a [mm]		20,25	20,25	20,25	20,25	20,25	20,25
Momento d'inerzia Moment of inertia	I _x [mm ⁴]		10826	13156	14944	9162	11107	12587
	I _y [mm ⁴]		37552	47314	55787	37278	46948	55329
Modulo di resistenza Section modulus	W _x [mm ³]		858	1033	1162	805	966	1082
	W _y [mm ³]		1854	2336	2755	1841	2318	2732
Raggio d'inerzia Radius of gyration	i _x [mm]		8,33	8,11	7,87	8,21	7,99	7,78
	i _y [mm]		15,52	15,38	15,21	16,56	16,43	16,31
S - Z *	Sforzo normale max Max normal stress	N [daN]	3136	4020	4844	2734	3497	4181
	Momento flettente max Max bending momentum	M _x [daN m]	17,24	20,76	23,36	16,18	19,41	21,75
		M _y [daN m]	37,27	46,96	55,37	37	46,60	54,92
I - Y *	Sforzo normale max Maximum normal stress	N [daN]	2293	2940	3543	1999	2558	3058
	Momento flettente max Max bending momentum	M _x [daN m]	12,61	15,18	17,08	11,83	14,20	15,91
		M _y [daN m]	27,26	34,35	40,50	27,06	34,08	40,16

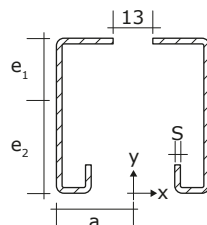
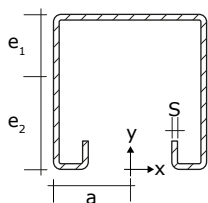
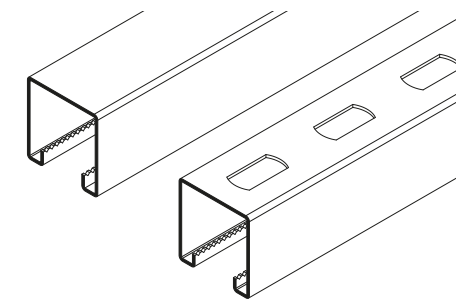
S-Z* σ _{adm} = 201MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	137,90	7,90	166,10	7,83	186,90	7,75	129,50	8,76	155,30	8,67	174,00	8,57
		2000	21,80	20,00	26,50	20,00	30,10	20,00	18,50	20,00	22,40	20,00	25,40	20,00
		3000	6,50	30,00	7,90	30,00	8,90	30,00	5,50	30,00	6,60	30,00	7,50	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	69,00	6,30	83,00	6,30	93,40	6,20	64,70	7,00	77,70	6,90	87,00	6,90
		2000	27,30	20,00	33,20	20,00	37,70	20,00	23,10	20,00	28,00	20,00	31,70	20,00
		3000	12,10	30,00	14,70	30,00	16,70	30,00	10,30	30,00	12,40	30,00	14,10	30,00
		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	100,90	5,78	121,40	5,72	136,70	5,67	94,70	6,41	113,60	6,34	127,30	6,27
		2000	21,80	20,00	26,50	20,00	30,10	20,00	18,50	20,00	22,40	20,00	25,40	20,00
		3000	6,50	30,00	7,90	30,00	8,90	30,00	5,50	30,00	6,60	30,00	7,50	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	50,40	4,62	60,70	4,58	68,30	4,54	47,30	5,13	56,80	5,07	63,60	5,02
		2000	25,20	18,49	30,40	18,32	34,20	18,14	23,70	20,50	28,40	20,29	31,80	20,06
		3000	12,10	30,00	14,70	30,00	16,70	30,00	10,30	30,00	12,40	30,00	14,10	30,00

I-Y* σ _{adm} = 201MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	100,90	5,78	121,40	5,72	136,70	5,67	94,70	6,41	113,60	6,34	127,30	6,27
		2000	21,80	20,00	26,50	20,00	30,10	20,00	18,50	20,00	22,40	20,00	25,40	20,00
		3000	6,50	30,00	7,90	30,00	8,90	30,00	5,50	30,00	6,60	30,00	7,50	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	50,40	4,62	60,70	4,58	68,30	4,54	47,30	5,13	56,80	5,07	63,60	5,02
		2000	25,20	18,49	30,40	18,32	34,20	18,14	23,70	20,50	28,40	20,29	31,80	20,06
		3000	12,10	30,00	14,70	30,00	16,70	30,00	10,30	30,00	12,40	30,00	14,10	30,00
		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	100,90	5,78	121,40	5,72	136,70	5,67	94,70	6,41	113,60	6,34	127,30	6,27
		2000	21,80	20,00	26,50	20,00	30,10	20,00	18,50	20,00	22,40	20,00	25,40	20,00
		3000	6,50	30,00	7,90	30,00	8,90	30,00	5,50	30,00	6,60	30,00	7,50	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	50,40	4,62	60,70	4,58	68,30	4,54	47,30	5,13	56,80	5,07	63,60	5,02
		2000	25,20	18,49	30,40	18,32	34,20	18,14	23,70	20,50	28,40	20,29	31,80	20,06
		3000	12,10	30,00	14,70	30,00	16,70	30,00	10,30	30,00	12,40	30,00	14,10	30,00

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

Scheda tecnica profili

Channels technical data sheet



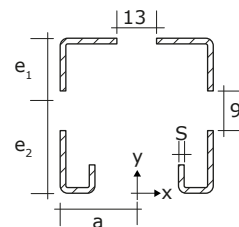
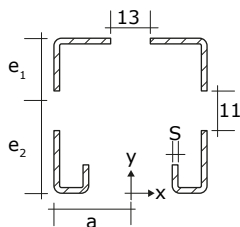
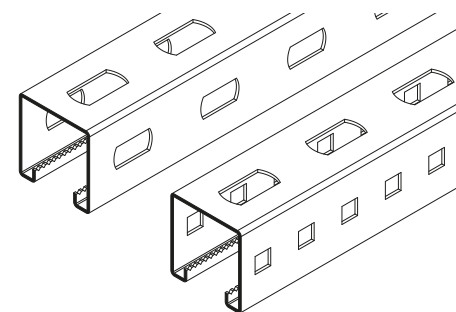
Caratteristiche geometriche e meccaniche Geometric and mechanical characteristics			A0_40X3I040K S = 1,5	A0_40X3I040M S = 2,0	A0_40X3I040P S = 2,5	A0_40R3I040K S = 1,5	A0_40R3I040M S = 2,0	A0_40R3I040P S = 2,5
Area sezione Section area	A [mm ²]		213	276	336	193	250	303
	e ₁ [mm]		18,43	18,25	18,06	20,22	20,04	19,87
	e ₂ [mm]		22,57	22,75	22,94	20,78	20,96	21,13
	a [mm]		20,25	20,25	20,25	20,25	20,25	20,25
Momento d'inerzia Moment of inertia	I _x [mm ⁴]		49445	62011	72778	42729	53460	62589
	I _y [mm ⁴]		59237	75502	90131	58963	75136	89673
Modulo di resistenza Section modulus	W _x [mm ³]		2191	2726	3173	2056	2551	2962
	W _y [mm ³]		2925	3728	4451	2912	3710	4428
Raggio d'inerzia Radius of gyration	i _x [mm]		15,24	14,99	14,72	14,88	14,62	14,37
	i _y [mm]		16,68	16,54	16,38	17,48	17,34	17,20
S - Z *	Sforzo normale max Max normal stress	N [daN]	4281	5548	6754	3789	5025	6090
	Momento flettente max Max bending momentum	M _x [daN m]	44,03	54,79	63,77	41,33	51,27	59,54
		M _y [daN m]	58,80	74,94	89,46	58,53	74,58	89,01
I - Y *	Sforzo normale max Maximum normal stress	N [daN]	3131	4057	4939	2837	3675	4454
	Momento flettente max Max bending momentum	M _x [daN m]	32,20	40,07	46,64	30,23	37,49	43,54
		M _y [daN m]	43	54,81	65,43	42,80	54,54	65,10

S-Z* σ _{adm} = 201MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	352,30	4,42	438,30	4,38	510,10	4,35	330,60	4,80	410,10	4,76	476,30	4,72
		2000	88,10	17,67	109,60	17,53	127,50	17,38	82,70	19,19	102,50	19,03	119,10	18,87
		3000	29,50	30,00	37,00	30,00	43,50	30,00	25,50	30,00	31,90	30,00	37,40	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	176,10	3,50	219,20	3,50	255,10	3,50	165,30	3,80	205,10	3,80	238,20	3,80
		2000	88,10	14,10	109,60	14,00	127,50	13,90	82,70	15,40	102,50	15,20	119,10	15,10
		3000	55,40	30,00	69,50	30,00	81,50	30,00	47,90	30,00	59,90	30,00	70,10	30,00
I-Y* σ _{adm} = 201MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	257,60	3,23	320,50	3,21	373,10	3,18	241,80	3,51	299,90	3,48	348,30	3,45
		2000	64,40	12,92	80,10	12,82	93,30	12,71	60,50	14,04	75,00	13,92	87,10	13,80
		3000	28,60	29,08	35,60	28,85	41,50	28,61	25,50	30,00	31,90	30,00	37,40	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	128,80	2,58	160,30	2,56	186,50	2,54	120,90	2,81	150,00	2,78	174,20	2,76
		2000	64,40	10,34	80,10	10,26	93,30	10,17	60,50	11,23	75,00	11,13	87,10	11,04
		3000	42,90	23,26	53,40	23,08	62,20	22,89	40,30	25,26	50,00	25,05	58,10	24,85

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

Scheda tecnica profili

Channels technical data sheet

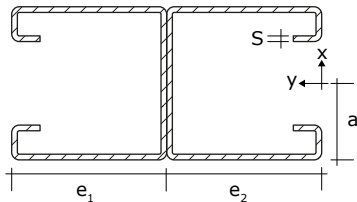
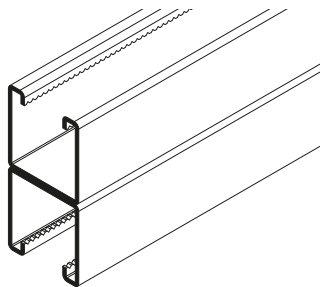


Caratteristiche geometriche e meccaniche Geometric and mechanical characteristics			A0_4S3I040K S = 1,5	A0_41S3I040M S = 2,0	A0_41S3I040P S = 2,5	A0_41_3I040K S = 1,5	A0_41_3I040M S = 2,0	A0_41_3I040P S = 2,5
Area sezione Section area	A [mm ²]		160	206	248	166	214	258
	e ₁ [mm]		20,16	19,95	19,72	20,17	19,97	19,75
	e ₂ [mm]		20,84	21,05	21,28	20,83	21,03	21,25
	a [mm]		20,25	20,25	20,25	20,25	20,25	20,25
Momento d'inerzia Moment of inertia	I _x [mm ⁴]		42393	53006	62007	42545	53209	62264
	I _y [mm ⁴]		46408	58817	69790	48691	61784	73405
Modulo di resistenza Section modulus	W _x [mm ³]		2034	2518	2914	2042	2530	2930
	W _y [mm ³]		2292	2905	3446	2404	3051	3625
Raggio d'inerzia Radius of gyration	i _x [mm]		16,28	16,04	15,81	16,01	15,77	15,53
	i _y [mm]		17,03	16,90	16,78	17,13	16,99	16,87
S - Z *	Sforzo normale max Max normal stress	N [daN]	3216	4141	4985	3337	4301	5186
	Momento flettente max Max bending momentum	M _x [daN m]	40,89	50,61	58,57	41,05	50,86	58,89
		M _y [daN m]	46,06	58,38	69,27	48,33	61,33	72,86
I - Y *	Sforzo normale max Maximum normal stress	N [daN]	2352	3028	3646	2440	3146	3793
	Momento flettente max Max bending momentum	M _x [daN m]	29,90	37,02	42,83	30,02	37,19	43,07
		M _y [daN m]	33,69	42,70	50,66	35,35	44,85	53,29

S-Z* σ _{adm} = 201 MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	327,10	4,78	404,90	4,74	468,50	4,69	328,40	4,79	406,80	4,74	471,20	4,69
		2000	81,80	19,14	101,20	18,95	117,10	18,74	82,10	19,15	101,70	18,96	117,80	18,77
		3000	25,30	30,00	31,70	30,00	37,00	30,00	25,40	30,00	31,80	30,00	37,20	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	163,60	3,80	202,50	3,80	234,30	3,70	164,20	3,80	203,40	3,80	235,60	3,80
		2000	81,80	15,30	101,20	15,20	117,10	15,00	82,10	15,30	101,70	15,20	117,80	15,00
		3000	47,50	30,00	59,40	30,00	69,40	30,00	47,70	30,00	59,60	30,00	69,70	30,00
I-Y* σ _{adm} = 201 MPa		L mm	q	f	q	f	q	f	q	f	q	f	q	f
		1000	239,20	3,50	296,10	3,46	342,70	3,43	240,20	3,50	297,50	3,47	344,60	3,43
		2000	59,80	14,00	74,00	13,86	85,70	13,71	60,00	14,00	74,40	13,87	86,10	13,73
		3000	25,30	30,00	31,70	30,00	37,00	30,00	25,40	30,00	31,80	30,00	37,20	30,00
		L mm	P	f	P	f	P	f	P	f	P	f	P	f
		1000	119,60	2,80	148,10	2,77	171,30	2,74	120,10	2,80	148,80	2,77	172,30	2,75
		2000	59,80	11,20	74,00	11,08	85,70	10,96	60,00	11,20	74,40	11,10	86,10	10,98
		3000	39,90	25,19	49,40	24,94	57,10	24,67	40,00	25,20	49,60	24,96	57,40	24,71

*S=Sendzimir/Sendzimir Z=Zincato/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

Scheda tecnica profili
Channels technical data sheet



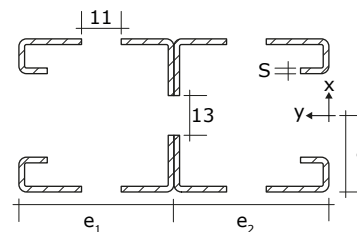
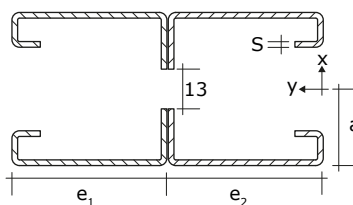
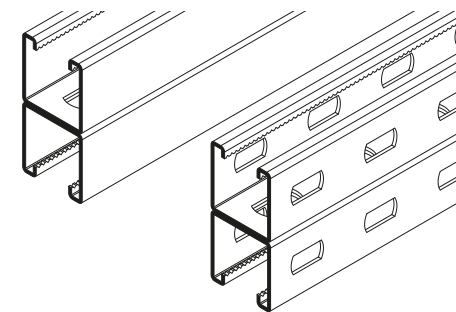
Caratteristiche geometriche e meccaniche Geometric and mechanical characteristics			A0_42X3I040M S = 2,0	A0_42X3I040P S = 2,5		
Area sezione Section area	A [mm²]		552	672	-	-
	e ₁ [mm]		41	41	-	-
	e ₂ [mm]		41	41	-	-
	a [mm]		20,25	20,25	-	-
Assi baricentrici Barycentric axes	I _x [mm⁴]		307940	364840	-	-
	I _y [mm⁴]		151004	180262	-	-
Momento d'inerzia Moment of inertia	W _x [mm³]		7511	8899	-	-
	W _y [mm³]		7457	8902	-	-
Modulo di resistenza Section modulus	i _x [mm]		23,62	23,30	-	-
	i _y [mm]		16,54	16,38	-	-
Raggio d'inerzia Radius of gyration						
S - Z *	Sforzo normale max Max normal stress	N [daN]	11095	13507	-	-
	Momento flettente max Max bending momentum	M _x [daN m]	150,97	178,86	-	-
		M _y [daN m]	149,89	178,93	-	-
I - Y *	Sforzo normale max Maximum normal stress	N [daN]	8114	9878	-	-
	Momento flettente max Max bending momentum	M _x [daN m]	110,41	130,81	-	-
		M _y [daN m]	109,62	130,86	-	-

		L mm	q	f	q	f	q	f	q	f
S-Z* σ _{adm} = 201MPa		1000	1207,70	2,43	1430,90	2,43	-	-	-	-
		2000	301,90	9,73	357,70	9,73	-	-	-	-
		3000	134,20	21,89	159,00	21,89	-	-	-	-
		1000	603,90	1,90	715,40	1,90	-	-	-	-
		2000	301,90	7,80	357,70	7,80	-	-	-	-
		3000	201,30	17,50	238,50	17,50	-	-	-	-

		L mm	q	f	q	f	q	f	q	f
I-Y* σ _{adm} = 201MPa		1000	883,30	1,78	1046,50	1,78	-	-	-	-
		2000	220,80	7,11	261,60	7,11	-	-	-	-
		3000	98,10	16,01	116,30	16,01	-	-	-	-
		1000	441,60	1,42	523,20	1,42	-	-	-	-
		2000	220,80	5,69	261,60	5,69	-	-	-	-
		3000	147,20	12,80	174,40	12,80	-	-	-	-

*S=Sendzimir/Sendzimir Z=Zincato a caldo/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

Scheda tecnica profili
Channels technical data sheet



Caratteristiche geometriche e meccaniche
Geometric and mechanical characteristics

			A0_42R3I040M S = 2,0	A0_42R3I040P S = 2,5	A0_43S3I040M S = 2,0	A0_43S3I040P S = 2,5
Area sezione Section area	A [mm ²]		500	606	412	497
	e ₁ [mm]		41	41	41	41
	e ₂ [mm]		41	41	41	41
	a [mm]		20,25	20,25	20,25	20,25
	I _x [mm ⁴]		307940	364840	270001	317368
Momento d'inerzia Moment of inertia	I _y [mm ⁴]		151004	180262	117633	139580
	W _x [mm ³]		7511	8899	6585	7741
Modulo di resistenza Section modulus	W _y [mm ³]		7457	8902	5809	6893
	i _x [mm]		24,82	24,54	25,60	25,27
Raggio d'inerzia Radius of gyration	i _y [mm]		17,38	17,25	16,90	16,76
S - Z *	Sforzo normale max Max normal stress	N [daN]	10050	12181	8281	9990
	Momento flettente max Max bending momentum	M _x [daN m]	150,97	178,86	132,37	155,59
		M _y [daN m]	149,89	178,93	116,76	138,55
I - Y *	Sforzo normale max Maximum normal stress	N [daN]	7350	8908	6056	7306
	Momento flettente max Max bending momentum	M _x [daN m]	110,41	130,81	96,81	113,79
		M _y [daN m]	109,62	130,86	85,39	101,32

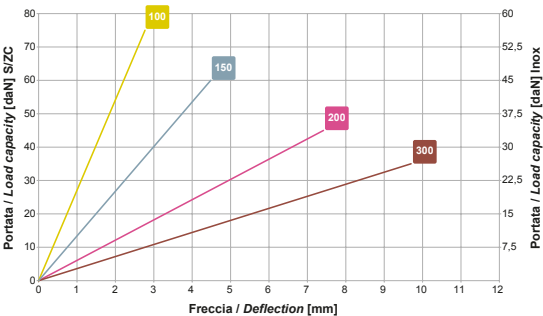
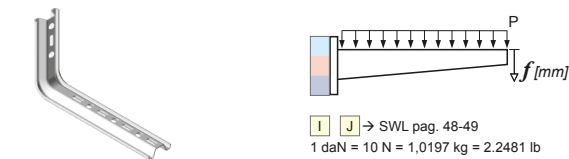
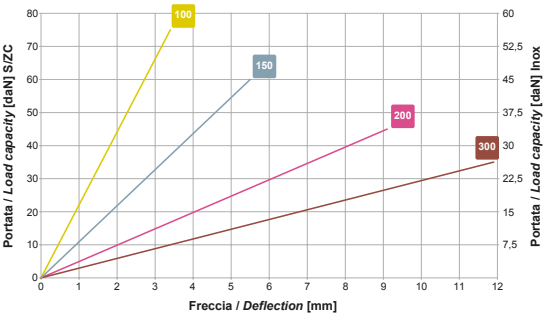
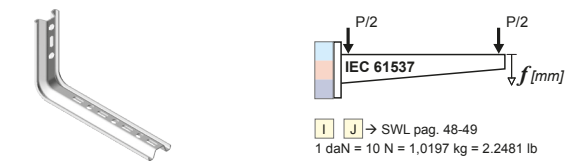
		L mm	q	f	q	f	q	f	q	f
S-Z* σ _{adm} = 201MPa		1000	1207,70	2,43	1430,90	2,43	1058,90	2,43	1244,70	2,43
		2000	301,90	9,73	357,70	9,73	264,70	9,73	311,20	9,73
		3000	134,20	21,89	159,00	21,89	117,70	21,89	138,30	21,89
		1000	603,90	1,22	715,40	1,22	529,50	1,90	622,40	1,90
		2000	301,90	9,73	357,70	9,73	264,70	7,80	311,20	7,80
		3000	201,90	30,00	238,50	30,00	176,50	17,50	207,50	17,50
I-Y* σ _{adm} = 201MPa		1000	883,30	1,78	1046,50	1,78	774,40	1,78	910,30	1,78
		2000	220,80	7,11	261,60	7,11	193,60	7,11	227,60	7,11
		3000	98,10	16,01	116,30	16,01	86,00	16,01	101,10	16,01
		1000	441,60	1,42	523,20	1,42	387,20	1,42	455,20	1,42
		2000	220,80	5,69	261,60	5,69	193,60	5,69	227,60	5,69
		3000	147,20	12,80	174,40	12,80	129,10	12,80	151,70	12,80

*S=Sendzimir/Sendzimir Z=Zincato a caldo/Hot-dip Galvanized I=Inox AISI 304/AISI 304 S.S. Y=Inox AISI 316L/AISI 316L S.S.

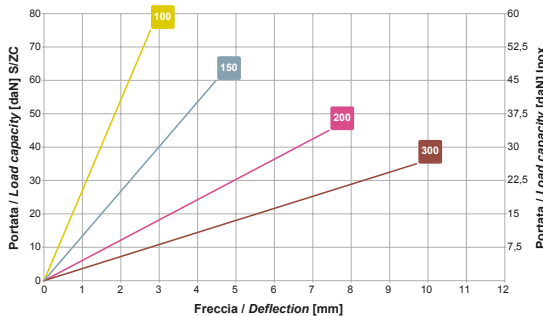
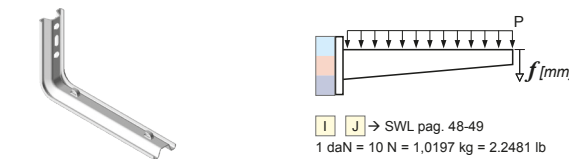
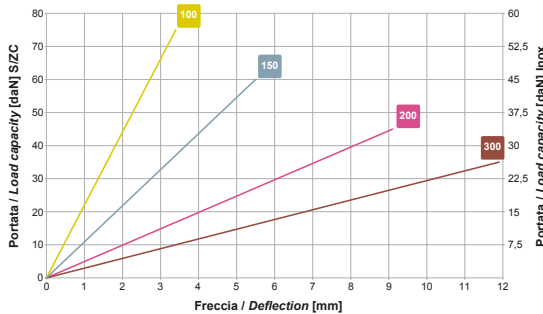
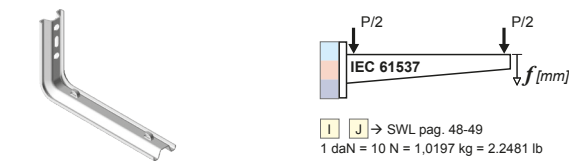
Scheda tecnica mensola

Bracket technical data sheet

10 OMEGA mensola/bracket



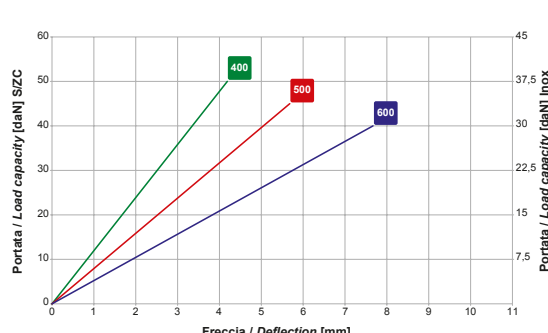
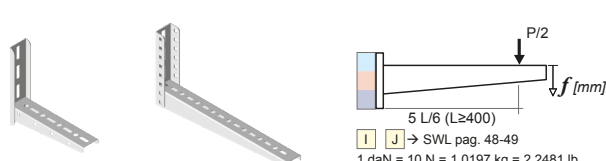
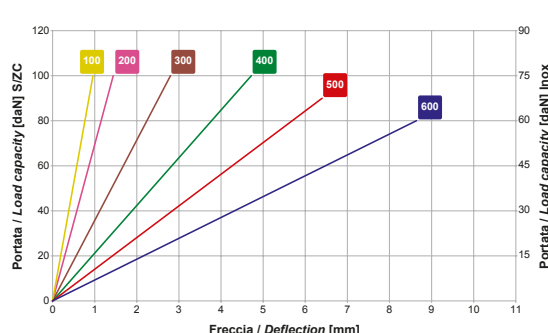
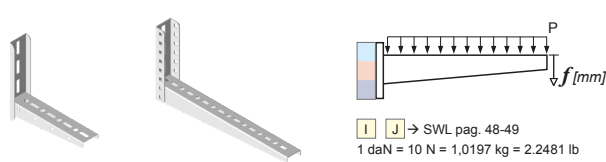
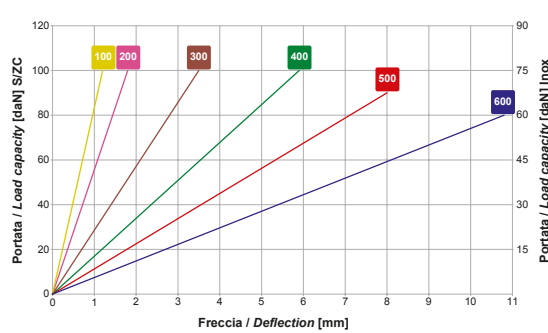
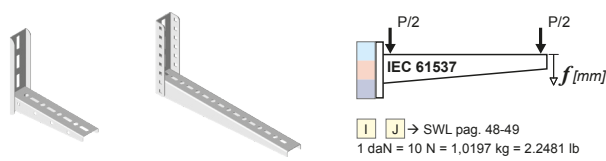
OMEGA PBR mensola/bracket



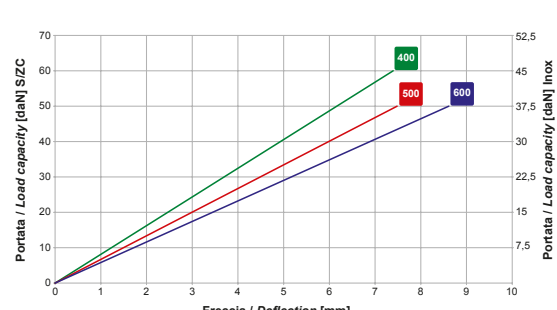
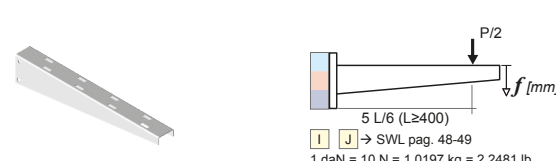
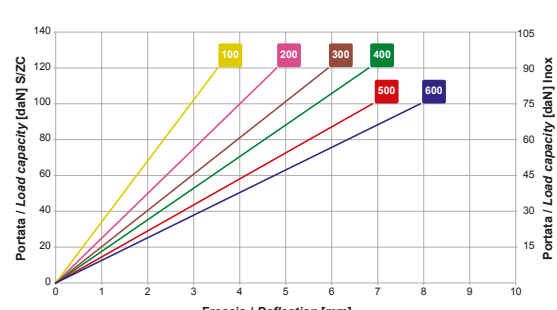
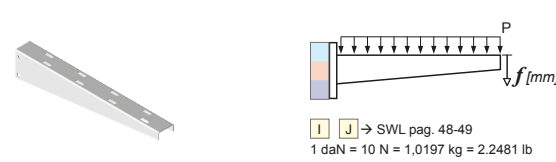
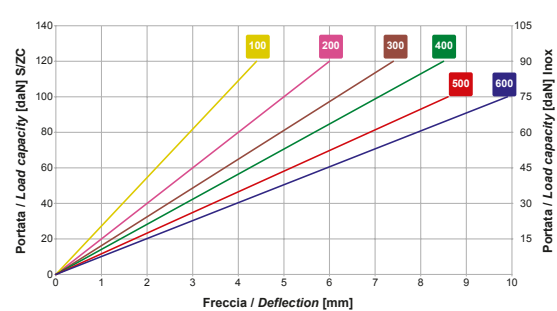
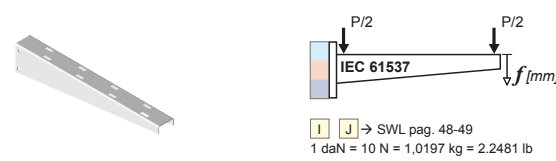
Scheda tecnica mensola

Bracket technical data sheet

53 mensola saldata/welded bracket



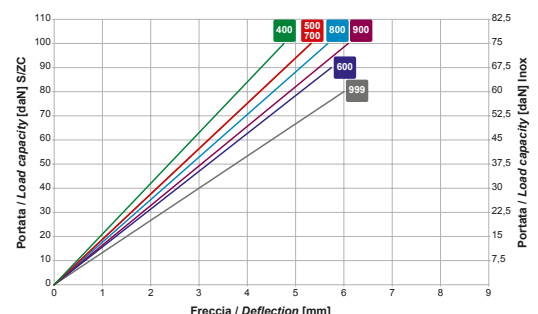
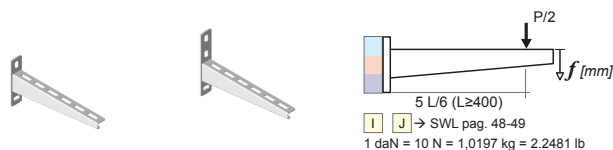
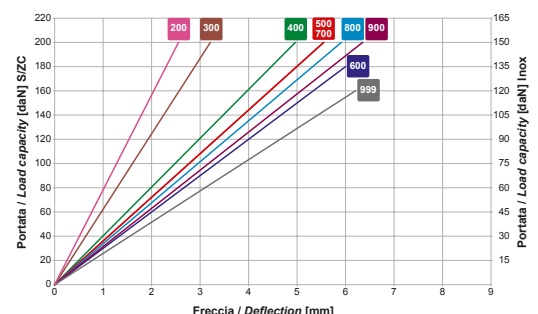
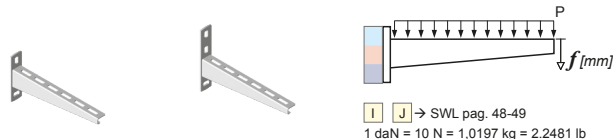
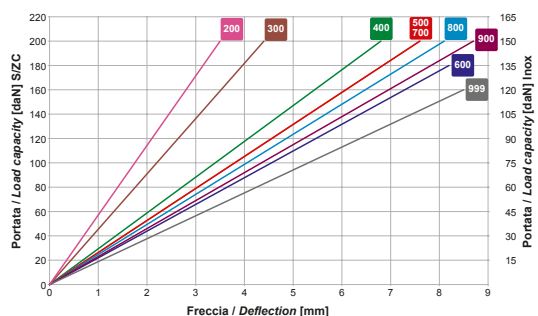
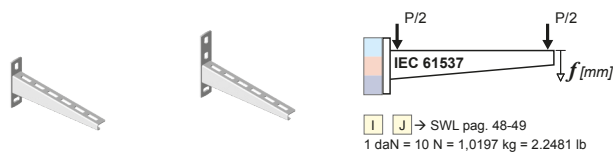
54 mensola incasso/embedding bracket



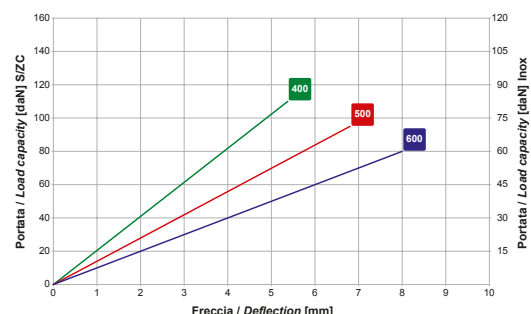
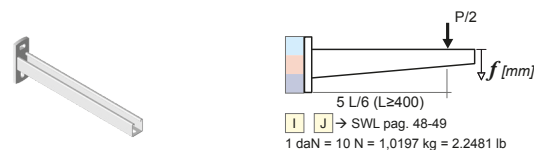
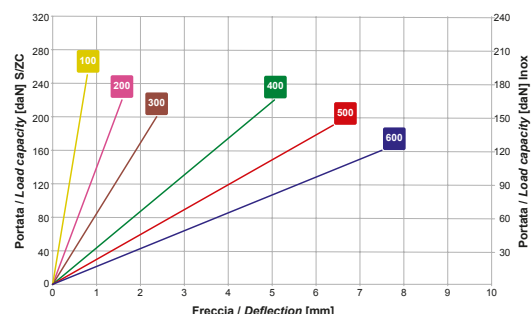
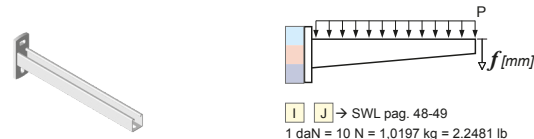
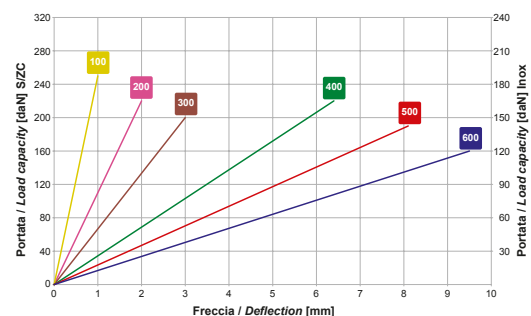
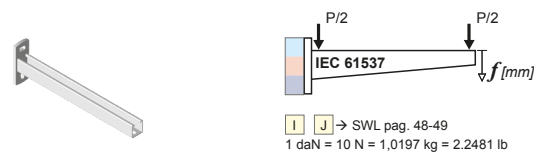
Scheda tecnica mensola

Bracket technical data sheet

A2 55S-200 mensola/bracket



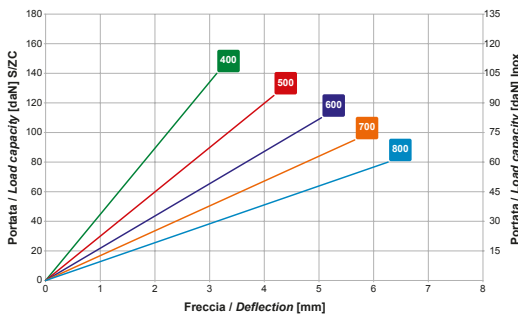
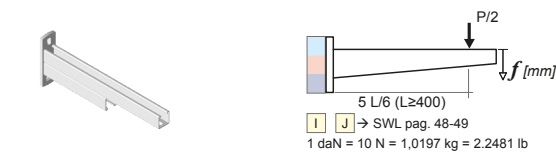
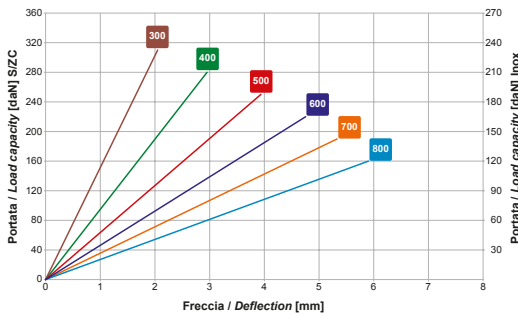
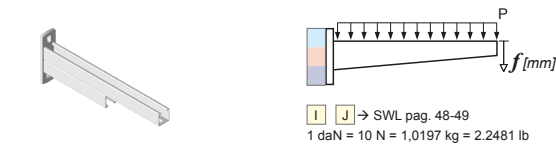
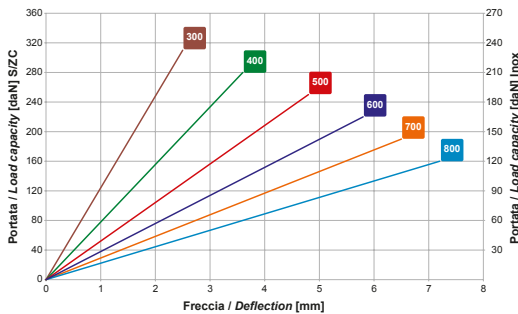
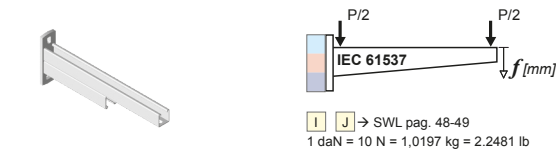
58 UR1 mensola singola/single bracket



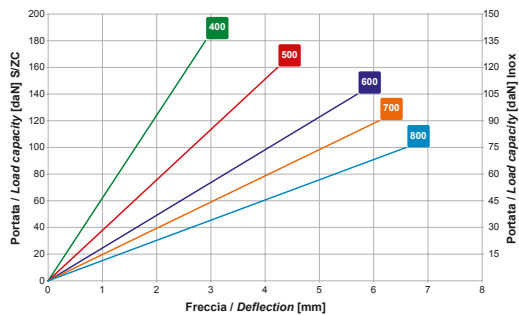
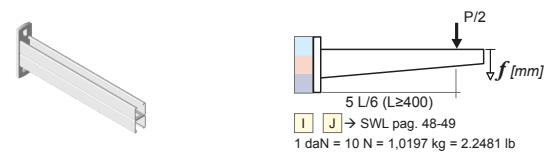
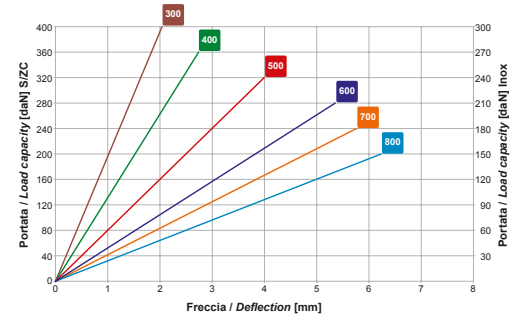
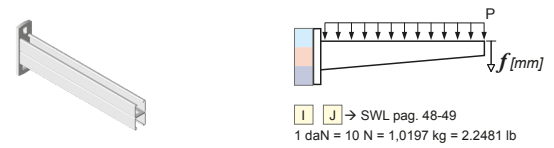
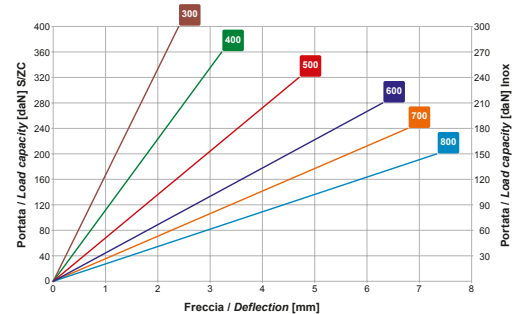
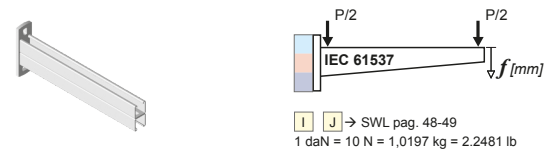
Scheda tecnica mensola

Bracket technical data sheet

59 UR1 mensola rinf./reinf. bracket



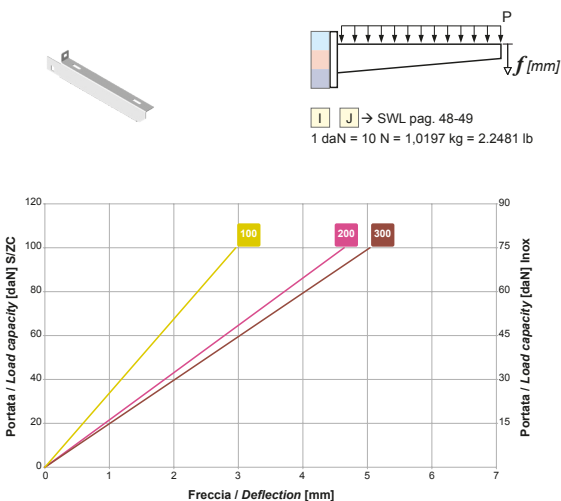
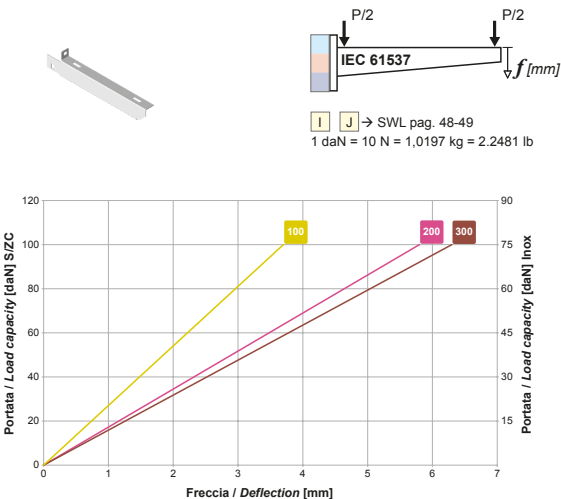
60 UR1 mensola doppia/double bracket



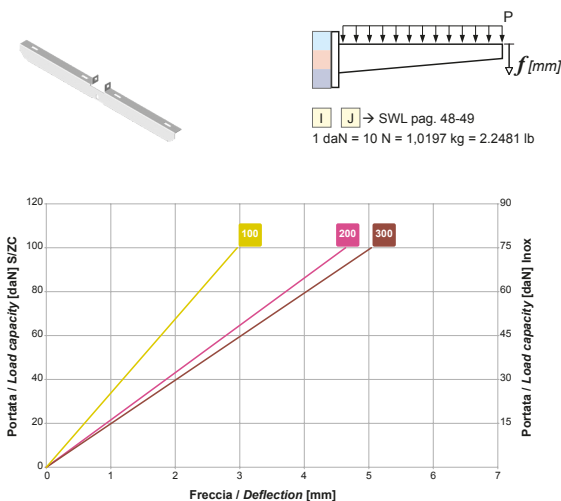
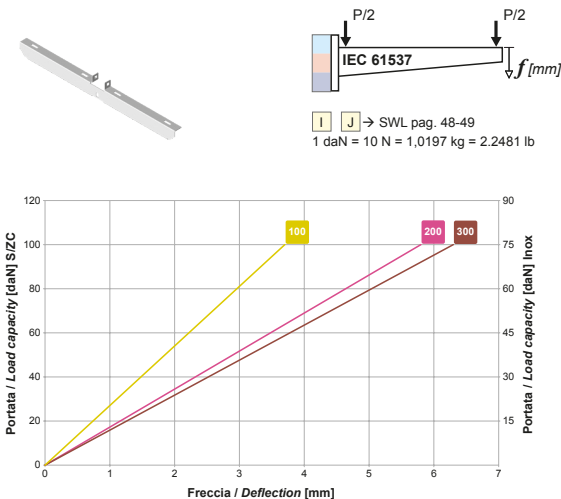
Scheda tecnica mensola

Bracket technical data sheet

51S mensola singola/single bracket

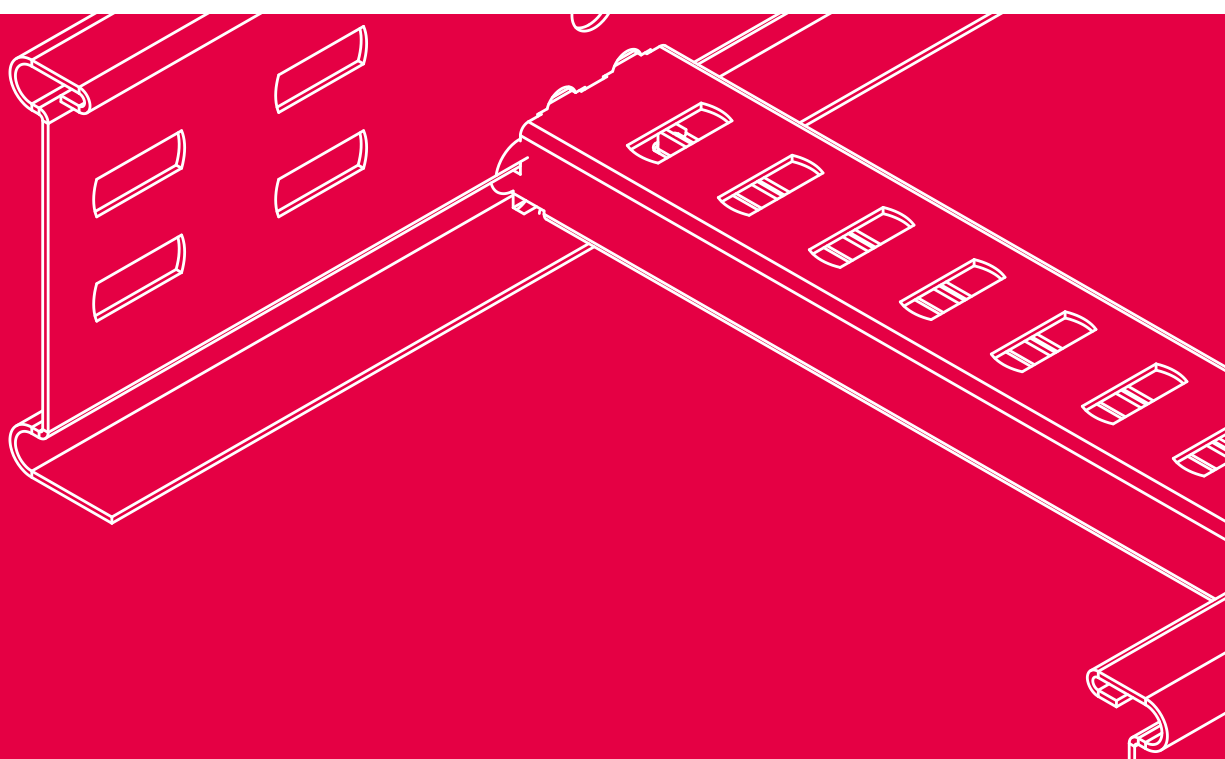


51S mensola doppia/double bracket



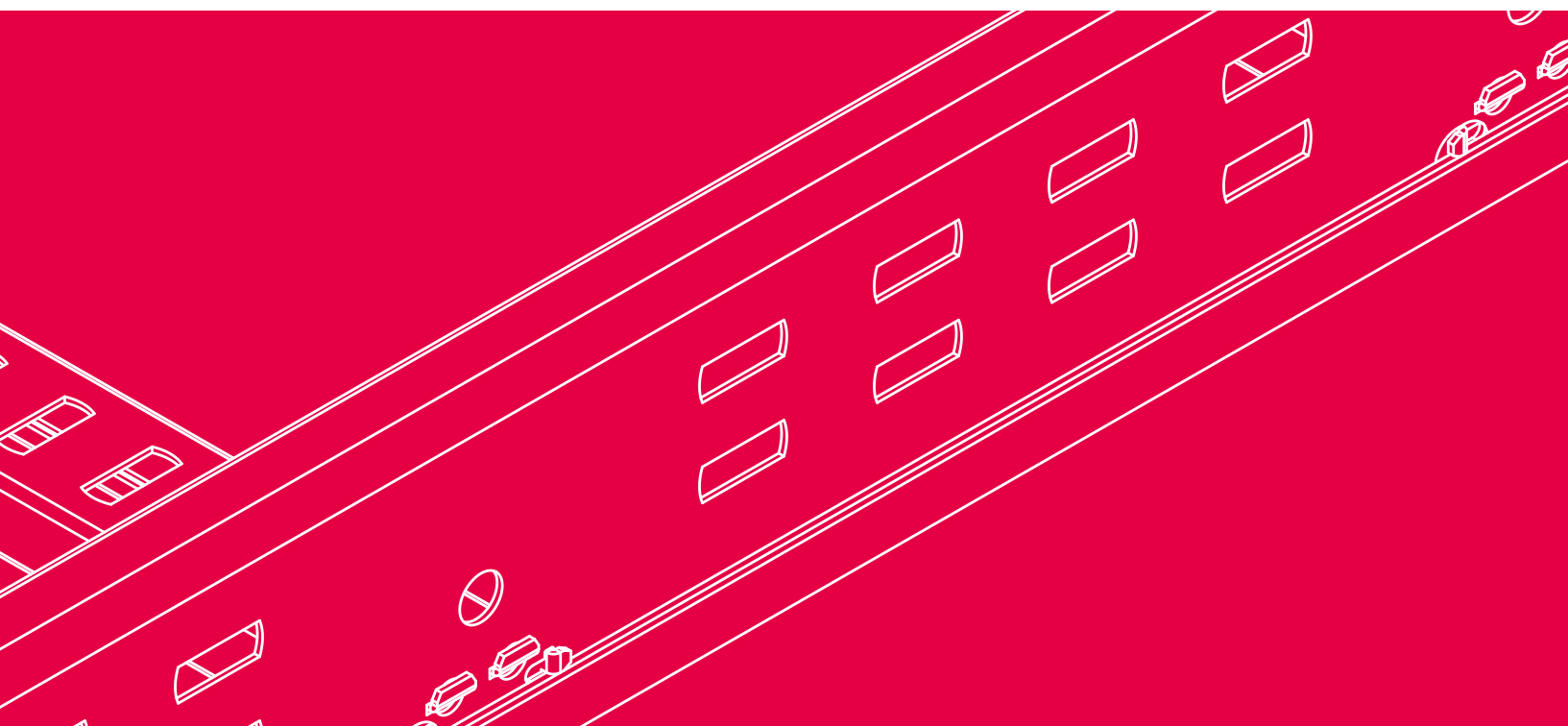
PASSERELLE A TRAVERSINI

LADDER TRAYS



Il sistema di canalizzazione portacavi metallica a traversini, è costruito in conformità alla norma internazionale IEC 61537 ed è mezzo ideale per la distribuzione, protezione e supportazione dei cavi elettrici in impianti civili, industriali, petrolchimici, e nelle centrali elettriche e nucleari. Disponibili nelle seguenti versioni: saldata, aggraffata, bullonata, sono in grado di soddisfare qualsiasi esigenza di portata, anche ad elevate distanze appoggio. Una vasta gamma di accessori consente l'installazione

del sistema anche su percorsi complessi in modo rapido. Molti elementi dei sistemi di passerelle a traversini possono essere prodotti in versioni fuori standard per spessore, dimensioni della sezione e lunghezza dell'elemento rettilineo, raggio di curvatura degli accessori, disegno e caratteristiche sia dei longheroni che dei traversini, qualità del materiale, e tipo di protezione superficiale. Gli extra costi di esecuzione fuori serie, normalmente, vengono quantificati a richiesta.



Metallic ladder tray system, manufactured in conformity with the international standard IEC 61537, ideal instrument for the distribution, protection and support of the electric cables in civil, industrial, petrochemical, power and nuclear plants. The ladder trays are available in welded or clinched or bolted version and they can satisfy every necessity of load capacity, even with high distances between supports. A wide range of accessories allows the installation of

the system even on complex routes in a rapid way. Many elements of the ladder tray systems can be produced in extra standard versions for thickness, dimensions of the section and length of the straight element, radius of curvature of the accessories, design and characteristics both of the side profiles and of the rungs, quality of material, and type of surface protection. The extra costs for the extra series execution, normally, are quantified on request.

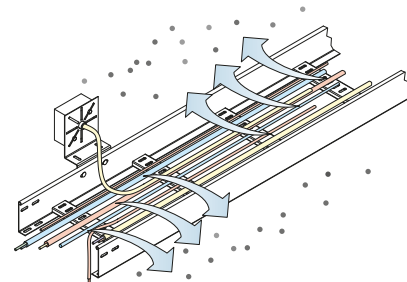
I punti di forza *Top points*

Massima ventilazione dei cavi

La tipologia della passerella a traversini assicura la massima aerazione dei cavi di potenza, permettendone così una ottimale conduzione elettrica, e la naturale fuoriuscita di corpi estranei non desiderati (polvere, acqua, insetti, ecc.). L'aggiunta o la sostituzione dei cavi può essere eseguita comodamente senza dover operare modifiche di installazione, potendo utilizzare ogni punto del percorso come ingresso/uscita. Anche l'ispezione cavi risulta agevole.

Maximum ventilation of cables

The cable ladder tray typology assures the maximum ventilation of the power cables, so allowing their optimal electrical conduction and the natural exit of undesired extraneous bodies (dust, water, insects, etc.). The addition or replacement of cables can be easily made without having to make modifications of installation, as every point of the route can be used as entrance/exit. Even the inspection of cables is easy.

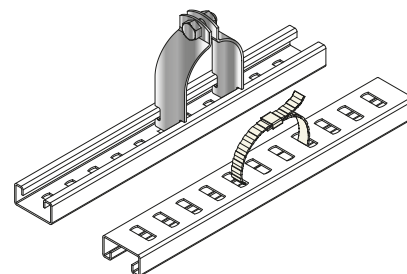


Facilità di fissaggio cavi

La vasta gamma di traversini disponibile, permette illimitate opzioni di fissaggio cavi ed ancoraggi di servizio, tramite l'utilizzo di fascette, graffe o cavallotti commerciali.

Easiness of cables fastening

The wide range of available rungs allows unlimited options for fixing cables and service anchorages, by using commercial cable ties, band clamps or U-bolts.

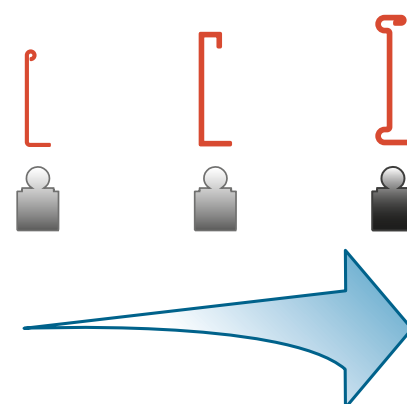


Resistenza meccanica e capacità di carico

Le sezioni di longheroni e traversini, disponibili in una ampia gamma di spessori, sono state progettate al fine di garantire alte capacità di carico anche ad elevate distanze appoggi. Il corretto accoppiamento tramite giunti a bulloni, garantisce la continuità meccanica, diventando punto di forza anziché di debolezza.

Mechanical resistance and load capacity

The sections of side profiles and rungs, available in a wide thickness range, have been designed in order to guarantee high load capacities even with long span. The correct coupling by means of splice plates and bolts, guarantees the electrical continuity, becoming a point of strength rather than of weakness.



I punti di forza *Top points*

Saldature certificate

In tutti gli elementi rettilinei a traversini saldati, le saldature sono robotizzate e controllate da personale qualificato presso l'IIS (Istituto Italiano della Saldatura), il quale ha certificato le nostre procedure di saldatura EN ISO 15609-1. I nostri addetti frequentano periodicamente corsi di aggiornamento sulle più attuali tecniche.

Certified weldings

In all the welded ladder straight elements, the weldings are robotized and controlled by qualified personnel at the IIS (Welding Italian Institute), which has certified our welding procedures EN ISO 15609-1. Our operators periodically attend updating courses concerning the application of the latest techniques.



Innovativo sistema aggraffato

La serie HP 2.22A, passerella a traversini aggraffati (senza saldatura), permette la produzione in acciaio zincato Sendzimir e in acciaio inox senza trattamento di decontaminazione chimica, con notevole risparmio economico. La sua rigidità torsionale è superiore alle versioni bullonate o rivettate.

Innovative clinched system

The HP 2.22A series, ladder cable tray with clinched rungs (without welding), allows the production in Sendzimir galvanized steel and in stainless steel without a chemical passivation treatment, with a considerable financial saving. Its torsional stiffness is higher than the bolted or riveted versions.

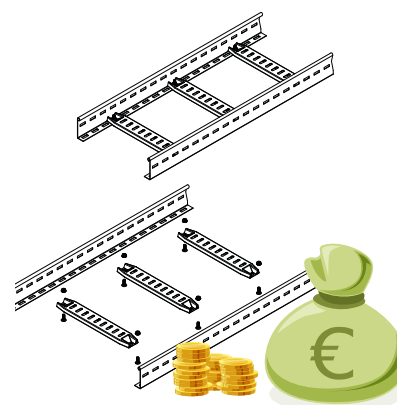


Libertà di composizione

Le passerelle a traversini bullonati possono essere fornite preassemblate o da assemblare, permettendo la massima libertà di montaggio e minimizzando sia i volumi di ingombro che i costi di trasporto.

Free composition

The ladder trays with bolted rungs can be supplied preassembled or to be assembled, allowing the maximum freedom of installation and minimizing both the volumes and the transport costs.



Imballaggio prodotti

Packaging of the products

L'imballaggio degli elementi rettilinei di passerella a traversini e dei relativi coperchi è fatto in modo da ottimizzare i volumi e pertanto ogni pezzo viene accoppiato con un altro ruotato di 180°. L'imballo viene fissato mediante reggette. Gli accessori, a seconda della dimensione, vengono imballati in scatole o su bancali di legno ed avvolti con film estensibile. A seconda delle necessità possono anche essere adottate soluzioni di imballaggio particolarmente protettive (casce o gabbie di legno), adatte a spedizioni in container. A richiesta, i legnami utilizzati per gli imballaggi possono essere del tipo HT: ovvero trattati termicamente secondo la normativa ISPM-15, necessaria ad eliminare eventuali organismi infestanti del legno.

The packing of the ladder tray straight elements and of their respective covers is made so that to optimise the volumes and therefore each piece is coupled with another one turned by 180°. The packaging is fixed by means of straps. Depending on the dimension the accessories are packed in boxes or on wooden pallets and wrapped with an extensible film. Depending on the necessities it is possible to adopt particularly protective packing solutions (wooden cases or crates), suitable for container shipments. On request, the wood used for packaging can be of the HT type: that is, heat treated according to the ISPM-15 regulation, necessary to eliminate possible wood infesting organisms.

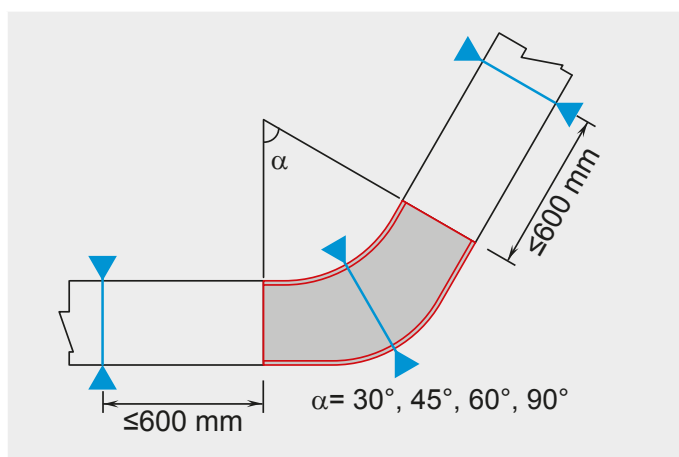


Installazione accessori Accessories installation

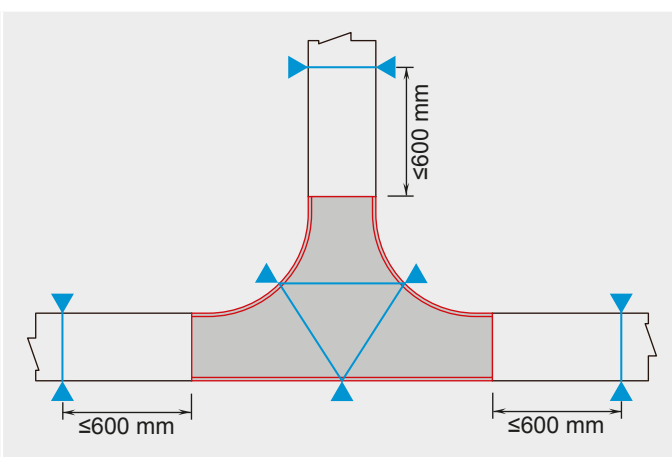
Di seguito sono riportati alcuni disegni da utilizzare come linee guida per la supportazione degli accessori. Le informazioni riportate non coprono tutte le situazioni, tuttavia possono essere utilizzate sia come indicazione per la localizzazione dei supporti, sia per stimarne la quantità. Carichi elevati, ampi raggi di curvatura ed elevate larghezze di base, possono richiedere l'installazione di supporti aggiuntivi.

Here below you find some drawings to be used as guidelines for the support of the accessories. The information given does not cover all the situations, however it can be used both as an indication for the localization of the supports and to calculate their quantity. High loads, wide radiuses of curvature and high base widths, can require the installation of additional supports.

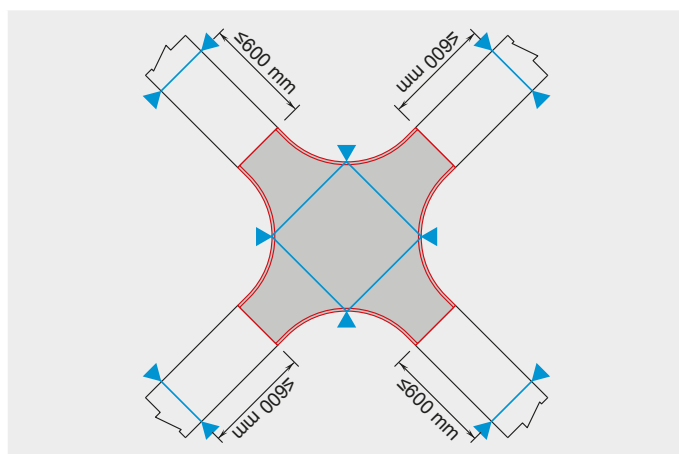
Curva 90° orizzontale
90° horizontal bend



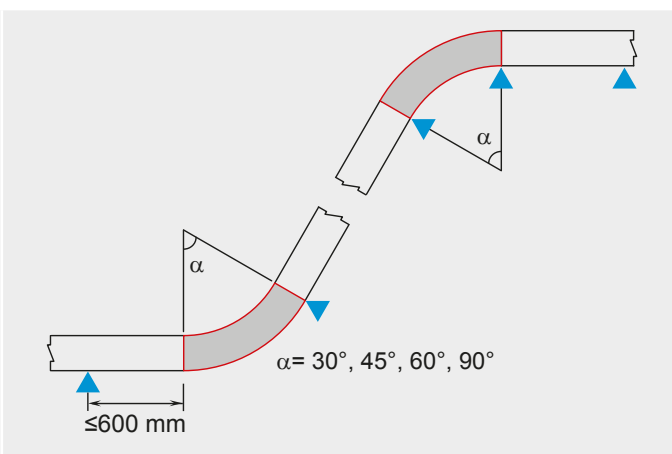
Derivazione a T
T derivation



Derivazione a X
X derivation



Curva in salita-discesa
Vertical bends



Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Continuità elettrica e messa a terra

La continuità elettrica e/o il collegamento equipotenziale della parti che possono essere toccate, sono garantiti con l'installazione dei giunti. Nel caso di discontinuità, installazione di giunti di espansione/dilatazione o di giunti a snodo, è richiesta l'installazione di trecce di massa. Per i coperchi è necessario installare la barretta di messa a terra per collegamenti equipotenziali tramite due viti testa bombata a doppio intaglio M6x6 in dotazione. In caso di verniciatura, alcuni fori vengono protetti con apposite etichette adesive, al fine di lasciare una zona di contatto diretto con la parte metallica. In questo modo è possibile realizzare impianti rispondenti alle prescrizioni dell'art. 7 del D.P.R. N. 547 e della norma CEI 64-8 in fatto di sicurezza. I test sulla continuità elettrica a cavallo della giunzione vengono effettuati secondo le indicazioni della normativa IEC 61537.

Electrical continuity and earthing

The electrical continuity and/or the equipotential connection of the parts which can be touched, are guaranteed by the installation of the joints. In case of discontinuity, installation of expansion joints or of hinged joints, the installation of bonding jumpers is required. For the covers it is necessary to install the earthing bar for equipotential connections by using two M6x6 wide crowned head screws with double slot included. In case of painting, some holes are protected with suitable adhesive labels, in order to leave an area of direct contact with the metallic part. In this way it is possible to make plants in conformity with the prescriptions of the art. 7 of the D.P.R. no. 547 and of the norm CEI 64-8 as far as security is concerned. Tests concerning the electrical continuity across the connection are made according to the instructions of the norm IEC 61537.

Compatibilità elettromagnetica (EMC)

Nell'uso normale, in relazione alle emissioni, immunità ed interferenze elettromagnetiche le passerelle possono essere considerate elementi passivi (CEI EN 61537). Per minimizzare i disturbi elettromagnetici è consigliato l'impiego di cavi schermati, setti separatori e coperchi metallici. Cavi di potenza e cavi di segnale dovrebbero essere installati il più distante possibile su percorsi separati (almeno 30 centimetri), incrociandosi sempre a 90 gradi per minimizzare i fenomeni di induzione. Prove pratiche dimostrano che su un cavo non schermato l'effetto schermante (effetto gabbia di Faraday) della passerella portacavi a scaletta comporta una benefica attenuazione dei disturbi elettromagnetici esterni indicativamente (essendo variabile con la frequenza) di 10dB, che diventano circa 15dB con l'installazione del coperchio.

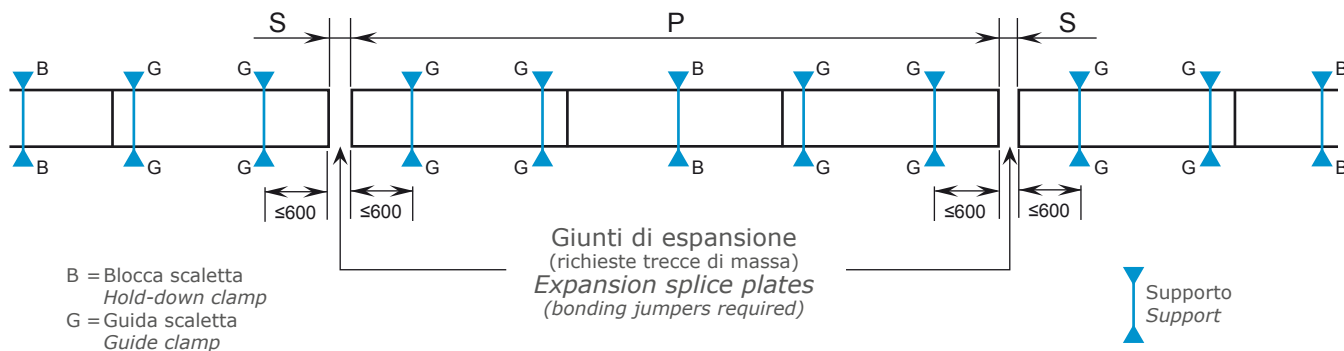
Electromagnetic compatibility (EMC)

In the normal use, with regard to the emissions, immunities and electromagnetic interferences the cable trays can be considered passive elements (CEI EN 61537). In order to minimize the electromagnetic interferences it is recommended to use screened cables, separators and metallic covers. Power cables and signal cables should be installed as distant as possible on separated routes (at least 30 cm), always crossing at 90 degrees to minimize the induction phenomena. Practical tests show that on an unscreened cable the screening effect (Faraday cage effect) of the ladder tray involves a beneficial reduction of the external electromagnetic interferences approximately (as it changes with the frequency) of 10db, that become approximately 15db with the installation of the cover.

Caratteristiche tecniche e meccaniche

		Massimo spazio P tra giunti di espansione per movimento di 25 mm* Maximum spacing P between expansion joints for 25 mm* movement							
Temperatura differenziale Differential temperature		Acciaio / Steel KI≈ 0,012 mm/m/°C		Inox 304 / SS304 KI≈ 0,017 mm/m/°C		Inox 316 / SS316 KI≈ 0,016 mm/m/°C		Alluminio / Aluminium KI≈ 0,022 mm/m/°C	
Td °C	Td °F	Metri	Feet	Metri	Feet	Metri	Feet	Metri	Feet
10	18	208	683	145	474	156	513	113	369
20	36	104	342	72	237	78	256	56	185
30	54	69	228	48	158	52	171	38	123
40	72	52	171	36	118	39	128	28	92
50	90	42	137	29	95	31	103	23	74
60	108	35	114	24	79	26	85	19	62
70	126	30	98	21	68	22	73	16	53
80	144	26	85	18	59	20	64	14	46
90	162	23	76	16	53	17	57	13	41
100	180	21	68	14	47	16	51	11	37

Installazione tipica *Typical installation*



Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Dilatazione - contrazione termica lineare

Lo sbalzo termico, che può generarsi tra il cambio stagionale, può essere tale da generare dilatazioni/contrazioni che compromettono la stabilità strutturale del sistema di portacavi metallici. In fase progettuale e di installazione è importante tenere in considerazione tale fenomeno.

A tal fine è necessario stabilire il massimo differenziale termico T_d per definire ogni quanti metri P di tratto rettilineo è necessario installare dei giunti di espansione. In funzione della temperatura rilevata in fase di installazione, dovrà essere calcolato l'interspazio vuoto S da lasciare tra i tratti rettilinei. Sul supporto a metà di ogni tratto dovranno essere installati i blocca-scaletta, mentre sugli altri supporti dovranno essere installati i guida-scaletta al fine di permettere lo scorrimento delle passerelle. All'inizio ed alla fine di ogni tratto dovrà essere installato un supporto distante non più di 600 mm, da entrambe le parti, dal giunto di espansione. Per garantire la continuità elettrica, ogni coppia di giunti di espansione richiede l'applicazione di due trecce di massa.

I massimi differenziale termico e dilatazione termica si calcolano con le seguenti formule:

$$T_d = T_{\max} - T_{\min} \text{ [}^\circ\text{C]}$$

$$\Delta l = K l \times T_d \text{ [mm/m]}$$

dove:

$T_{\max}$ = massima temperatura stagionale;
 $T_{\min}$ = minima temperatura stagionale;
 Kl = coefficiente medio di dilatazione termica.

Per effettuare il calcolo dell'interspazio vuoto da lasciare tra i tratti rettilinei è sufficiente applicare la seguente formula*:

$$S = 25 \times \frac{T_{\max} - T}{T_{\max} - T_{\min}} \text{ [mm]}$$

dove:

S = interspazio in millimetri;
 T = temperatura passerelle al momento dell'installazione.

Il massimo spazio tra i giunti di espansione, considerato un movimento massimo di 25 mm si calcola con la formula*:

$$P = 25 / \Delta l \text{ [m]}$$

*** Per movimento massimo diverso da 25 mm, i calcoli/formule vanno modificati di conseguenza.**

Esempio:

Ipotizzando una temperatura massima stagionale di $+40^\circ\text{C}$ ed una minima di -10°C , la temperatura differenziale risulta $T_d=50^\circ\text{C}$. Dalla tabella si ricava che, per un sistema di passerelle zincate i giunti di espansione dovranno essere installati ad una interdistanza massima di $P=42\text{m}$. Se al momento dell'installazione la temperatura delle passerelle è di 20°C , l'interspazio vuoto da lasciare in corrispondenza dei giunti di espansione è $S=10\text{mm}$.

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Linear thermal expansion - contraction

The thermal stress, that can arise during the seasonal change, can be so high to cause expansions/contractions which compromise the structural stability of the metallic cable tray system. During the design and installation phase it is important to take into consideration this phenomenon.

With this aim it is necessary to fix the maximum thermal differential T_d to define at which interval in meters P of rectilinear stretch it is necessary to install expansion joints. Depending on the temperature measured during installation, the empty gap S to be left between the rectilinear stretches shall be calculated. On the support in the middle of each stretch the hold-down clamps (Art. 84) shall be installed, while on the other supports the guide clamps shall be installed in order to allow the sliding of the cable trays. At the beginning and at the end of each stretch a support distant not more than 600 mm, from both sides, from the expansion joint shall be installed. In order to guarantee the electrical continuity, each pair of expansion joints requires the application of two bonding jumpers.

The maximum thermal differential and thermal expansion can be calculated with the following formulas: $T_d = T_{max} - T_{min} [^{\circ}C]$ $\Delta l = Kl \times T_d [mm/m]$ where: T_{max} = maximum seasonal temperature; T_{min} = minimum seasonal temperature; Kl = average coefficient of thermal expansion.	To calculate the empty gap to be left between the rectilinear stretches it is sufficient to apply the following formula*: $S = 25 \times \frac{T_{max} - T}{T_{max} - T_{min}} [mm]$ where: S = gap in millimetres; T = cable tray temperature at the moment of installation
The maximum space between the expansion joints, considered a maximum movement of 25 mm can be calculated with the formula*: $P = 25 / \Delta l [m]$	* for a maximum movement different from 25 mm, the calculations/formulas have to be consequently modified.

Example:

Hypothesizing a seasonal maximum temperature of +40° and a minimum one of -10°, the differential temperature results $T_d=50^{\circ}C$. From the table you find that, for a galvanized cable tray system the expansion joints shall be installed at a maximum spacing of $P=42m$. If at the moment of installation the cable tray temperature is $20C^{\circ}$, the empty gap to be left next to the expansion joints is $S=10\text{ mm}$.

Caratteristiche tecniche e meccaniche

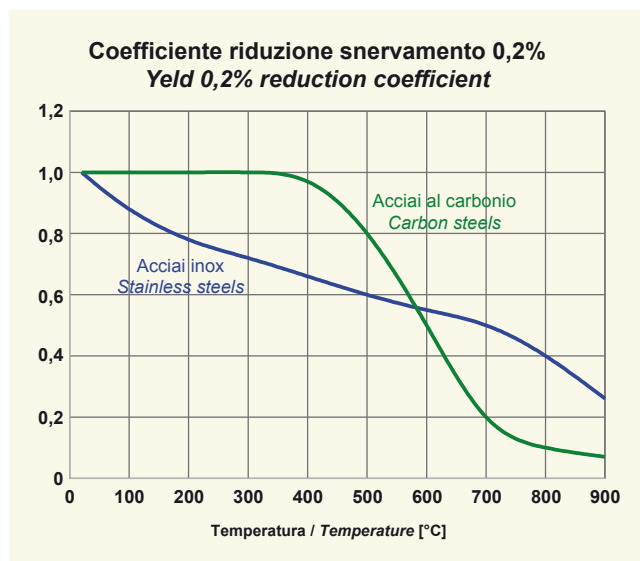
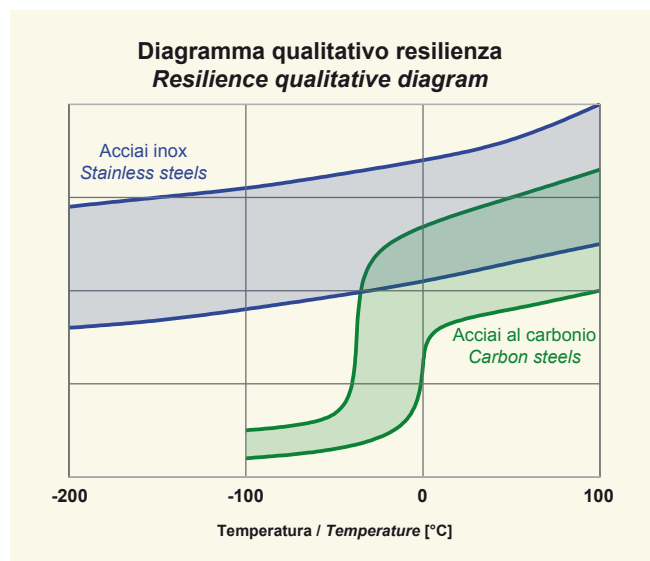
Technical and mechanical characteristics

Resistenza al fuoco

Le passerelle portacavi in acciaio hanno nei confronti del fuoco il comportamento tipico e intrinseco dell'acciaio: buona resistenza e zero innesco.

Fire resistance

Towards fire, steel cable trays have the behaviour typical and intrinsic of steel: good resistance and zero primer.



Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Applicazioni a temperature estreme

In genere un materiale diventa più fragile al diminuire della temperatura. Al fine di misurare tale comportamento, viene considerata la resilienza ad una data temperatura, ovvero la capacità di un materiale di resistere ad urti impulsivi (min. 27J). Un materiale con bassa resilienza presenta un comportamento fragile, con alta resilienza è detto tenace o duttile.

- acciai al carbonio:

presentano un intervallo di temperatura, detto zona di transizione, in cui vi è un abbassamento improvviso della resilienza, con conseguente decadimento della duttilità e delle caratteristiche meccaniche del materiale. È importante considerare tale fenomeno al fine di scegliere con cura il materiale idoneo o per limitarne gli effetti con un sovradimensionamento del prodotto (tipicamente aumentandone lo spessore).

- acciai Inox 304 e 316L:

sono acciai austenitici e a basse temperature non presentano l'effetto di transizione duttile-fragile (vedi diagramma), anzi a basse temperature lo snervamento e la resistenza a trazione vengono esaltate. Tali materiali possono quindi essere utilizzati anche fino a temperature di -200°C . Tuttavia a bassissime temperature si nota un indebolimento dello strato di ossido superficiale con conseguente diminuzione della resistenza alla corrosione.

All'aumentare della temperatura, un materiale tende generalmente a passare da un comportamento elastico a plastico. Tale caratteristica è dedotta dal valore della tensione di snervamento. Per un dato materiale, maggiore è il valore della tensione di snervamento e maggiore è la sua elasticità. Per gli acciai al carbonio, oltre i $300\div 400^{\circ}\text{C}$ vi è una riduzione sensibile delle caratteristiche meccaniche, mentre gli acciai Inox, a seconda della tipologia, mantengono elevate prestazioni anche oltre i $400\div 500^{\circ}\text{C}$ (vedi diagramma).

Applications to extreme temperature

Usually a material gets more fragile when the temperature diminishes. In order to measure this behaviour, the resilience at a certain temperature is considered, that is the capability of a material to resist to impulsive impacts (min. 27J). A low resilience material presents a fragile behaviour, with a high resilience it is said tenacious or ductile.

- carbon steels:

they present an interval of temperature, said transition zone, where there is a sudden decrease of the resilience, with a consequent decay of the ductility and of the mechanical characteristics of the material. It is important to consider this phenomenon in order to choose accurately the suitable material or to limit its effects with an oversizing of the product (typically by increasing its thickness).

- stainless steels 304 and 316L:

they are austenitic steels and at low temperatures they do not present the transition effect ductile-fragile (see diagram), on the contrary at low temperatures the yield and the traction resistance are brought out.

Therefore these materials can be also used up to temperatures of -200°C . However at very low temperatures there is a weakening of the superficial oxide layer with a consequent reduction of the corrosion resistance.

When the temperature increases, a material generally tends to pass from an elastic to a plastic behaviour. This characteristic is deduced from the value of the yield stress. For a certain material, the higher is the value of the yield stress and the higher is its elasticity. For the carbon steels, beyond $300\div 400^{\circ}\text{C}$ there is a sensible reduction of the mechanical characteristics, while the stainless steels, depending on the typology, keep high performances even beyond $400\div 500^{\circ}\text{C}$ (see diagram).

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Installazione antisismica

Le Norme Tecniche di Costruzione NTC18, rappresentano il testo di Legge di riferimento in ambito progettuale per l'analisi e scelta di componenti che rispondano alle prescrizioni in ambito antisismico. Le attente valutazioni delle caratteristiche dei sistemi di canalizzazione ed accessori per cavi vengono effettuate con lo scopo principale la sicurezza delle persone negli edifici di pubblica utilità, infrastrutture di trasporto, organizzazioni commerciali ed industriali, in condizioni di sisma. L'obiettivo principale è il mantenimento e l'integrità dell'installazione elettrica, assicurando che i servizi fondamentali (antincendio, luci di emergenza, ventilazione, ecc...) funzionino correttamente per un periodo di tempo sufficiente da consentire l'organizzazione dei soccorsi. Tutti i sistemi portacavi metallici e i relativi supporti FEMI-CZ, vengono analizzati mediante software di calcolo ad elementi finiti e a richiesta del cliente possono essere testati con prove di laboratorio presso centri accreditati quali il CESI.

Quake proof installation

The NTC18 Construction Technical Norms are the reference Law text in the design field for analysis and choice of components which satisfy the requirements in the anti-seismic field. The careful evaluations of the characteristics of the cable tray systems and of the cable accessories are carried out having as main aim the safety of people in the public usefulness buildings, in the transport Infrastructures, in the commercial and industrial organizations, under quake conditions. The main aim is the maintenance and integrity of the electrical installation, assuring that the essential services (firefighting system, emergency lights, ventilation, etc...) work properly for a sufficient period of time so that to allow the organization of rescues. All FEMI-CZ metallic cable tray systems and respective supports, are analysed by using FEA analysis software and on customer's request can be tested with laboratory tests at accredited centres such as CESI.

Norme e marcatura

Tutti prodotti della serie FEMI-CZ 2, sono conformi alle prescrizioni delle Direttive Europee "CE" Bassa Tensione Direttiva 2014/35/CE e delle norme tecniche IEC 61537 e NEMA VE 1/CSA STD C22.2 No. 126.1. FEMI-CZ S.p.A. è concessionario all'uso del marchio IMQ e CSA-US, garanzia visibile per le Autorità e gli acquirenti, che il prodotto è stato sottoposto - da un organismo a ciò abilitato - a tutte le prove necessarie per verificarne la conformità ai requisiti tecnici e di sicurezza previsti dalla normativa vigente, e che tutta la produzione è sottoposta a costante sorveglianza. Parte degli articoli è già marchiata, altri sono oggetto di continue analisi in base alle esigenze di mercato. Copia dei certificati disponibili possono essere forniti su richiesta all'Ufficio Tecnico Commerciale (commerciale@femicz.it) di FEMI-CZ S.p.A.

Standards and marking

All products of FEMI-CZ 2 series are in conformity with the prescriptions of the "CE" European Norms, Low Tension, 2014/35/CE and of the norms IEC 61537 and NEMA VE 1/CSA STD C22.2 No. 126.1. FEMI-CZ S.p.A. is licensee for using the IMQ trade mark and CSA-US, visible guarantee for Authorities and purchasers, that the product has been subjected - from an authorised body - to all the necessary tests to check its conformity with all the technical and safety requirements entailed by the regulation in force, and that the whole production is subjected to a constant monitoring. A copy of the available certificates can be supplied upon request to the technical-commercial office (commerciale@femicz.it) of FEMI-CZ S.p.A.

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Avvertenze

Nel rispetto delle Direttive CEE n° 85/374 e DPR 224 (e successive modifiche ed integrazioni) raccomandiamo le seguenti avvertenze inerenti il trasporto, l'immagazzinaggio e l'impiego dei nostri sistemi portacavi:

- nel trasporto proteggere dall'umidità i materiali; tutti i prodotti devono essere stoccati in ambienti asciutti e ventilati;
- nella manipolazione dei materiali si consiglia l'uso di guanti protettivi;
- ritoccare con adeguato zincante a freddo, dopo l'esecuzione di tagli, le superfici specifiche dei materiali zincati interessate alla lavorazione;
- tenere presente che con il tempo le superfici zincate a caldo dopo lavorazione possono perdere la tipica brillantezza iniziale ed opacizzarsi naturalmente;
- tutti gli elementi del sistema devono essere installati a regola d'arte, da personale addestrato e specializzato, secondo quanto prescritto dalle Norme specifiche (64-8) ed in conformità alle leggi cogenti;
- nell'installazione dei pezzi speciali (curve a 90°, 45°, T, X, ecc.) con raggio di curvatura interno $\geq 300\text{mm}$ devono essere considerati uno o più supporti aggiuntivi oltre a quelli in corrispondenza delle giunzioni con gli elementi rettilinei;
- non installare prodotti danneggiati;
- **ATTENZIONE!** Le passerelle portacavi NON devono essere usate come camminamento, scale o supporto per persone.

Warnings

In observance of the EEC Regulations no. 85/374 and of the DPR 224 (and subsequent modifications and integrations) we recommend the following instructions concerning transport, storing and use of our cable tray systems:

- *during transport protect the materials from humidity; all products shall be stocked in dry and ventilated environments;*
- *during handling of materials it is recommended to use protective gloves;*
- *touch-up with a suitable cold zinc, after making cuts, the specific surfaces of the galvanized materials involved in the working;*
- *consider that with time the surfaces hot-dip galvanized after manufacture can lose their typical initial gloss and naturally get opaque;*
- *all the elements of the system shall be perfectly installed, by trained and specialized personnel, according to what prescribed in the specific Norms (64-8) and in conformity with the compulsory laws;*
- *during the installation of the special pieces (bends 90°, 45°, T, X, etc.) with internal radius of curvature $\geq 300\text{mm}$ one or more additional supports shall be considered besides the ones next to the connections with the straight elements;*
- *do not install damaged products;*
- **ATTENTION!** *The cable trays must NOT be used as walking surface, ladders or support for people.*

Caratteristiche tecniche e meccaniche

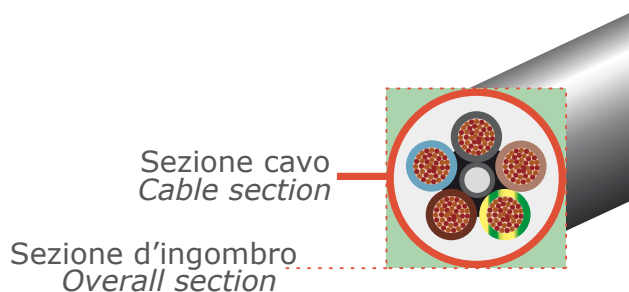
Technical and mechanical characteristics

Scelta della sezione del sistema portacavi

Per l'individuazione delle dimensioni di un sistema portacavi è necessario calcolare la sezione d'ingombro dei cavi da installare. Poiché i cavi non sono mai perfettamente accostati e paralleli, non è corretto effettuare il calcolo considerando esclusivamente la sezione circolare dei cavi. Per tenere conto di tali fattori, dato il diametro d del cavo è possibile effettuare un calcolo approssimato considerando una sezione d'ingombro pari a d^2 . La sommatoria per tutti i cavi darà la sezione minima richiesta, la quale andrebbe maggiorata del 30÷50% per l'eventuale installazione di ulteriori cavi. Il dato così ottenuto può essere confrontato con la sezione utile A_t indicata nelle schede tecniche degli elementi rettilinei. Nella scelta del sistema portacavi, considerare che normalmente l'altezza del cavo non deve superare l'altezza utile H_i della passerella. Per la scelta degli accessori è necessario considerare il raggio minimo di curvatura dei cavi. Nella posa dei cavi è necessario osservare le indicazioni delle norme tecniche sull'accumulo e sulla ventilazione di linee e cavi.

Cable tray system section choice

For the individuation of the dimensions of a cable tray system it is necessary to calculate the overall section of the cables to be installed. As the cables are never perfectly close and parallel, it is not correct to make the calculation considering only the circular section of cables. To consider these factors, given the diameter d of the cable it is possible to make an approximate calculation considering an overall section equal to d^2 . The summation for all the cables will give the minimum section required that should be increased by a 30÷50% for the possible installation of other cables. The datum so obtained can be compared with the useful section A_t shown in the technical data sheets of the straight elements. In the choice of the cable tray system, consider that the cable height shall normally not exceed the useful height H_i of the cable tray. For the choice of the accessories it is necessary to consider the minimum radius of curvature of the cables. While laying the cables it is necessary to observe the indications of the technical norms about the accumulation and the ventilation of lines and cables.



Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Capacità di carico, flessione e freccia

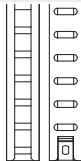
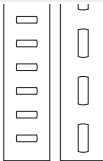
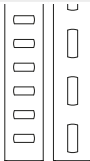
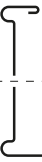
I dati più significativi di prestazione meccanica sono riportati di seguito. Da ricordare che nell'ambito delle massime e migliori prestazioni delle passerelle portacavi a traversini, hanno importanza anche la stabilità trasversale e la giunzione di testa fatta a regola d'arte. E' sempre e comunque buona regola, laddove possibile, mantenere la cadenza delle giunzioni a $1/5$ e $1/4$ della distanza appoggi. Le giunzioni non dovrebbero essere posizionate nel punto medio tra i supporti o in corrispondenza dei supporti stessi, in quanto essi sono i punti di maggior sforzo. Dal punto di vista estetico, una freccia di massimo $1/300$ della distanza appoggi rende accettabile l'effetto visivo della flessione.

Load capacity, deflection

The most significant mechanical performance data are reported below. It should be remembered that in the context of the maximum and best performances of ladder trays, transversal stability and properly made head junction are also important. It is always a good rule, where possible, to maintain the cadence of the joints at $1/5$ and $1/4$ of the distance between the supports. The joints should not be positioned at the midpoint between the supports or by the supports themselves, as these are the points of greatest stress. From an aesthetic point of view, a deflection of maximum $1/300$ of the distance between the supports makes the visual effect of the deflection acceptable.

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

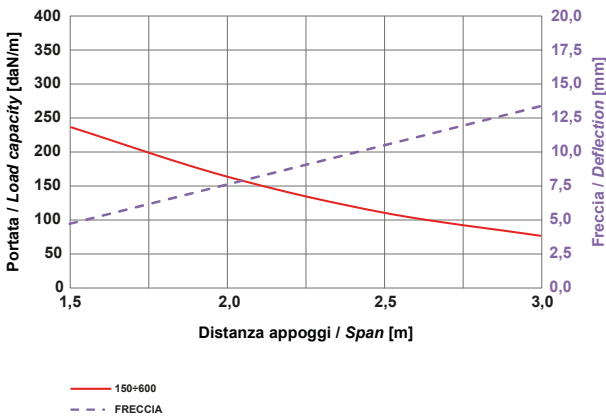
			Traversini / Rungs																				
			35x18			50x15			50x15			50x20			40x20								
																							
																							
Longheroni/Side profile																							
Fam.	Tipo / Type	Sez./Sec.	H	SP/TK	1.2	1.5	2.0	1.2	1.5	2.0	1.2	1.5	2.0	1.2	1.5	2.0	1.2	1.5	1.8	2.0	2.3	2.5	
HP 2.22A	AGGRAFFATA CLINCHED		H=75÷125 MM	1.2													STD						
				1.5												R	R						
				1.8													R						
HP 2.22S	SALDATA WELDED		H=75÷125 MM	1.2						R			R				R						
				1.5							R	R		R	R		R	R					
				1.8								R	R		R	R		R	R				
HP 2.26S	SALDATA WELDED		H=125÷200 MM	1.8						R			R				STD	R					
				2.0						R	R		R	R		STD	STD	R					
				2.3							R			R					R	STD	STD		
				2.5							R			R						R	R	R	
CZ 2B	BULLONATA BOLTED		H=63÷150 MM	1.2	R			STD															
				1.5	R	R		R	STD														
				2.0		R	R		R	STD													
CZ 2S	SALDATA WELDED		H=63÷150 MM	1.2						STD			R				R						
				1.5							R	STD		R	R		R	R					
				2.0								R	R		R	STD		R	R	R			
RD 2S	SALDATA WELDED		H=100÷200 MM	1.5						R	R		R	R			R	R					
				2.0							R	R		R	R		STD	R	STD				
				2.5								R			R					R	R	R	
				3.0																	R	R	

Caratteristiche tecniche e meccaniche

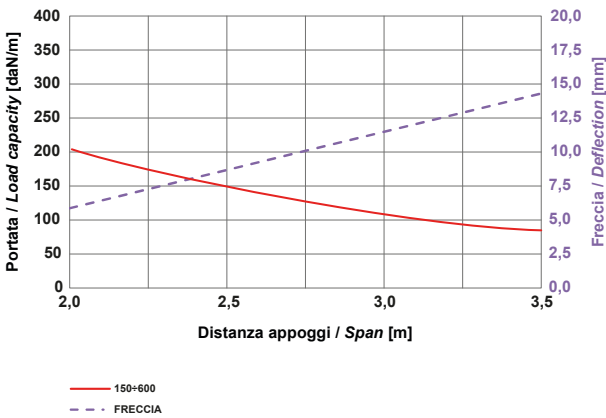
Technical and mechanical characteristics

Capacità di carico

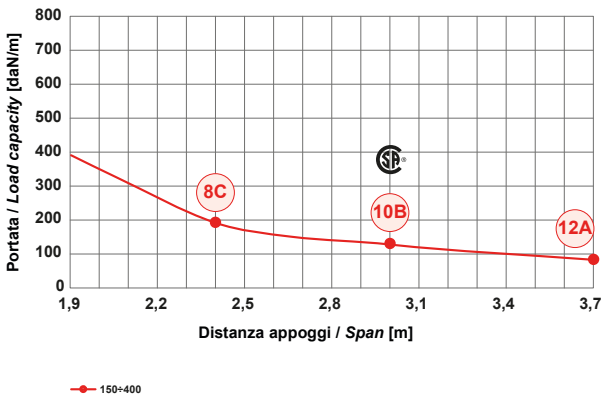
H 75mm HP2.22 IEC 61537



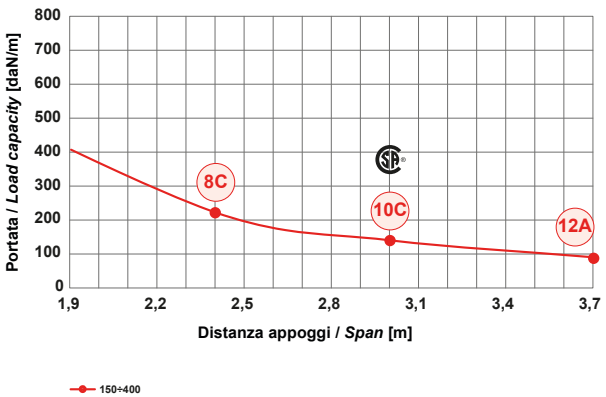
H 100mm HP2.22 IEC 61537



H 75mm HP2.22 NEMA VE-1



H 100mm HP2.22 NEMA VE-1



Le portate indicate sono relative ad elementi rettilinei di lunghezza maggiore o uguale alla distanza appoggi.

The load capacities shown concern straight elements with a lenght equal to or higher than the distance between supports.

Per maggiori dettagli sulla lettura dei grafici consultare pag. 34-40

For more details on how to read the graphs, please see page 34-40

NOTE
1 daN = 10 N = 1,0197 kg = 2.2481 lb
1 m = 1.094 yd = 3.281 ft = 39.37 in

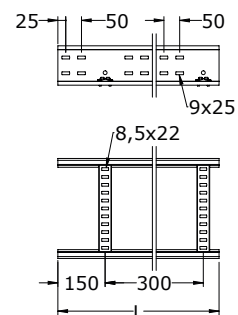
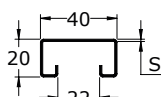
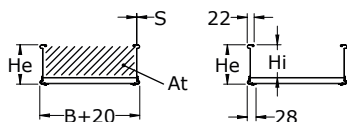
Elemento rettilineo HP 2.22A aggraffato
HP 2.22A clinched straight element



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M01 ↗



B mm	He mm	Hi mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌢ kg/m	At mm²	Zincato a caldo Hot-dip galvan.	S mm	⌢ kg/m	At mm²
150	75	55	C2S02S3C150HH10	C2I02S3C150HH10	1,2	2,90	82	C2Z02S3C150HH10	1,2	3,12	82
200	75	55	C2S02S3C200HH10	C2I02S3C200HH10	1,2	3,04	110	C2Z02S3C200HH10	1,2	3,27	110
300	75	55	C2S02S3C300HH10	C2I02S3C300HH10	1,2	3,32	165	C2Z02S3C300HH10	1,2	3,57	165
400	75	55	C2S02S3C400HH10	C2I02S3C400HH10	1,2	3,60	220	C2Z02S3C400HH10	1,2	3,87	220
500	75	55	C2S02S3C500HH10	C2I02S3C500HH10	1,2	3,88	275	C2Z02S3C500HH10	1,2	4,18	275
600	75	55	C2S02S3C600HH10	C2I02S3C600HH10	1,2	4,17	330	C2Z02S3C600HH10	1,2	4,48	330
150	100	80	C2S02S3D150HH10	C2I02S3D150HH10	1,2	3,31	120	C2Z02S3D150HH10	1,2	3,56	120
200	100	80	C2S02S3D200HH10	C2I02S3D200HH10	1,2	3,45	160	C2Z02S3D200HH10	1,2	3,71	160
300	100	80	C2S02S3D300HH10	C2I02S3D300HH10	1,2	3,74	240	C2Z02S3D300HH10	1,2	4,02	240
400	100	80	C2S02S3D400HH10	C2I02S3D400HH10	1,2	4,02	320	C2Z02S3D400HH10	1,2	4,32	320
500	100	80	C2S02S3D500HH10	C2I02S3D500HH10	1,2	4,30	400	C2Z02S3D500HH10	1,2	4,62	400
600	100	80	C2S02S3D600HH10	C2I02S3D600HH10	1,2	4,58	480	C2Z02S3D600HH10	1,2	4,93	480

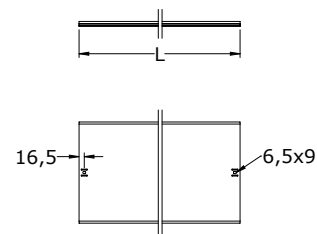
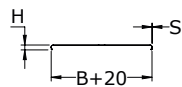
Sezione trasversino
Rung section

Coperchio autobloccante
Self-locking cover



L=3 m

M01 ↗



B mm	H mm	-	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/m	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/m
150	15	-	-	C2S05G3P150B	C2I05G3P150B	0,6	0,99	C2Z05G3P150D	0,8	1,47
200	15	-	-	C2S05G3P200B	C2I05G3P200B	0,6	1,22	C2Z05G3P200D	0,8	1,82
300	15	-	-	C2S05G3P300B	C2I05G3P300B	0,6	1,70	C2Z05G3P300D	0,8	2,52
400	15	-	-	C2S05G3P400B	C2I05G3P400B	0,6	2,17	C2Z05G3P400D	0,8	3,22
500	15	-	-	C2S05G3P500D	C2I05G3P500D	0,8	3,52	C2Z05G3P500F	1,0	4,79
600	15	-	-	C2S05G3P600D	C2I05G3P600D	0,8	4,14	C2Z05G3P600F	1,0	5,65
150	15	-	-	C2S05G3P150F	C2I05G3P150F	1,0	1,65	C2Z05G3P150F	1,0	1,80
200	15	-	-	C2S05G3P200F	C2I05G3P200F	1,0	2,04	C2Z05G3P200F	1,0	2,23
300	15	-	-	C2S05G3P300F	C2I05G3P300F	1,0	2,83	C2Z05G3P300F	1,0	3,08
400	15	-	-	C2S05G3P400F	C2I05G3P400F	1,0	3,61	C2Z05G3P400F	1,0	3,94
500	15	-	-	C2S05G3P500H	C2I05G3P500H	1,2	5,28	C2Z05G3P500H	1,2	5,67
600	15	-	-	C2S05G3P600H	C2I05G3P600H	1,2	6,22	C2Z05G3P600H	1,2	6,69

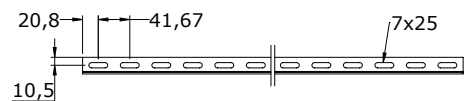
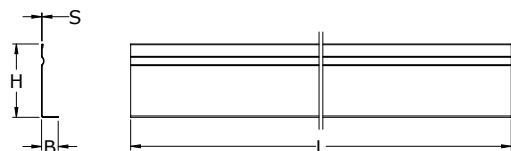
Separatore per elementi rettilinei
Separator for straight elements

CE

-

L=3 m

M02 ↗



B mm	H mm	-	-	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/m
22	48	-	-	C2S50G3B025D	C2I50G3B025D	0,8	0,54	C2Z50G3B025D	0,8	0,60
22	74	-	-	C2S50G3C025D	C2I50G3C025D	0,8	0,70	C2Z50G3C025D	0,8	0,78
22	98	-	-	C2S50G3D025D	C2I50G3D025D	0,8	0,85	C2Z50G3D025D	0,8	0,95

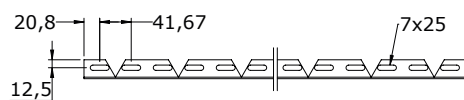
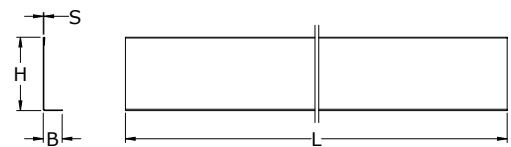
Separatore per accessori orizzontali
Separator for horizontal accessories

CE

-

L=3 m

M02



B mm	H mm	-	-	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/m
27	48	-	-	C2S52D3B025D	C2I52D3B025D	0,8	0,51	C2Z52D3B025F	1,0	0,70
27	74	-	-	C2S52D3C025D	C2I52D3C025D	0,8	0,66	C2Z52D3C025F	1,0	0,91
27	98	-	-	C2S52D3D025D	C2I52D3D025D	0,8	0,82	C2Z52D3D025F	1,0	1,12

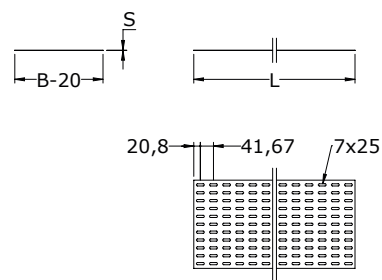
Fondo in lamiera forata
Perforated sheet steel bottom



-

L=3 m

M02 ↗



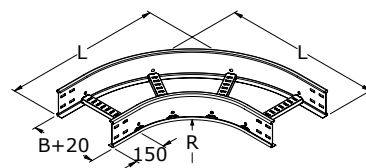
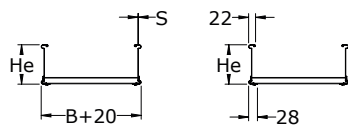
B mm	-	-	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/m	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/m
150	-	-	-	C2S09X3X150F	C2I09X3X150F	1,0	0,95	C2Z09X3X150F	1,0	0,98
200	-	-	-	C2S09X3X200F	C2I09X3X200F	1,0	1,28	C2Z09X3X200F	1,0	1,31
300	-	-	-	C2S09X3X300F	C2I09X3X300F	1,0	1,94	C2Z09X3X300F	1,0	1,97
400	-	-	-	C2S09X3X400F	C2I09X3X400F	1,0	2,60	C2Z09X3X400F	1,0	2,63
500	-	-	-	C2S09X3X500F	C2I09X3X500F	1,0	3,27	C2Z09X3X500F	1,0	3,29
600	-	-	-	C2S09X3X600F	C2I09X3X600F	1,0	3,93	C2Z09X3X600F	1,0	3,95

Curva piana a 90°
90° horizontal bend



R=300 mm

M03 ↗



B mm	He mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
150	75	610	-	C2S10S3C150HH	C2I10S3C150HH	1,2	2,63	C2Z10S3C150HH	1,2	2,83
200	75	660	-	C2S10S3C200HH	C2I10S3C200HH	1,2	3,03	C2Z10S3C200HH	1,2	3,25
300	75	760	-	C2S10S3C300HH	C2I10S3C300HH	1,2	3,56	C2Z10S3C300HH	1,2	3,83
400	75	860	-	C2S10S3C400HH	C2I10S3C400HH	1,2	4,44	C2Z10S3C400HH	1,2	4,77
500	75	960	-	C2S10S3C500HH	C2I10S3C500HH	1,2	5,06	C2Z10S3C500HH	1,2	5,44
600	75	1060	-	C2S10S3C600HH	C2I10S3C600HH	1,2	5,68	C2Z10S3C600HH	1,2	6,11
150	100	610	-	C2S10S3D150HH	C2I10S3D150HH	1,2	3,05	C2Z10S3D150HH	1,2	3,28
200	100	660	-	C2S10S3D200HH	C2I10S3D200HH	1,2	3,46	C2Z10S3D200HH	1,2	3,72
300	100	760	-	C2S10S3D300HH	C2I10S3D300HH	1,2	4,04	C2Z10S3D300HH	1,2	4,34
400	100	860	-	C2S10S3D400HH	C2I10S3D400HH	1,2	4,95	C2Z10S3D400HH	1,2	5,32
500	100	960	-	C2S10S3D500HH	C2I10S3D500HH	1,2	5,61	C2Z10S3D500HH	1,2	6,03
600	100	1060	-	C2S10S3D600HH	C2I10S3D600HH	1,2	6,27	C2Z10S3D600HH	1,2	6,74

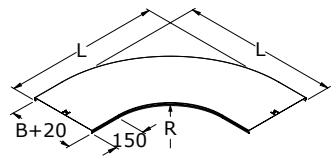
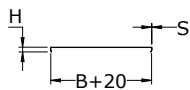
Coperchio per curva piana a 90°
90° horizontal bend cover



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R=300 mm

M03 ↗

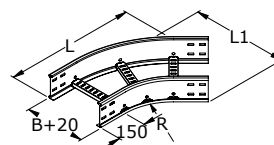


B mm	H mm	L mm	-	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
150	15	610	-	C2S10N3P150F	C2I10N3P150F	1,0	1,51	C2Z10N3P150F	1,0	1,64
200	15	660	-	C2S10N3P200F	C2I10N3P200F	1,0	1,94	C2Z10N3P200F	1,0	2,11
300	15	760	-	C2S10N3P300F	C2I10N3P300F	1,0	2,89	C2Z10N3P300F	1,0	3,15
400	15	860	-	C2S10N3P400F	C2I10N3P400F	1,0	3,97	C2Z10N3P400F	1,0	4,33
500	15	960	-	C2S10N3P500F	C2I10N3P500F	1,0	5,17	C2Z10N3P500F	1,0	5,64
600	15	1060	-	C2S10N3P600F	C2I10N3P600F	1,0	6,50	C2Z10N3P600F	1,0	7,08

Curva piana a 45°
45° horizontal bend



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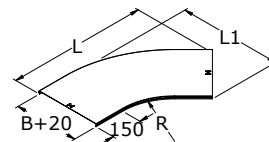
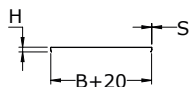


B mm	He mm	L mm	L1 mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
150	75	585	360	C2S11S3C150HH	C2I11S3C150HH	1,2	1,76	C2Z11S3C150HH	1,2	1,89
200	75	620	410	C2S11S3C200HH	C2I11S3C200HH	1,2	2,06	C2Z11S3C200HH	1,2	2,22
300	75	690	510	C2S11S3C300HH	C2I11S3C300HH	1,2	2,42	C2Z11S3C300HH	1,2	2,60
400	75	760	610	C2S11S3C400HH	C2I11S3C400HH	1,2	2,77	C2Z11S3C400HH	1,2	2,98
500	75	830	710	C2S11S3C500HH	C2I11S3C500HH	1,2	3,12	C2Z11S3C500HH	1,2	3,36
600	75	900	810	C2S11S3C600HH	C2I11S3C600HH	1,2	3,47	C2Z11S3C600HH	1,2	3,74
150	100	585	360	C2S11S3D150HH	C2I11S3D150HH	1,2	2,04	C2Z11S3D150HH	1,2	2,19
200	100	620	410	C2S11S3D200HH	C2I11S3D200HH	1,2	2,35	C2Z11S3D200HH	1,2	2,53
300	100	690	510	C2S11S3D300HH	C2I11S3D300HH	1,2	2,72	C2Z11S3D300HH	1,2	2,93
400	100	760	610	C2S11S3D400HH	C2I11S3D400HH	1,2	3,09	C2Z11S3D400HH	1,2	3,33
500	100	830	710	C2S11S3D500HH	C2I11S3D500HH	1,2	3,47	C2Z11S3D500HH	1,2	3,73
600	100	900	810	C2S11S3D600HH	C2I11S3D600HH	1,2	3,84	C2Z11S3D600HH	1,2	4,13

Coperchio per curva piana a 45°
45° horizontal bend cover



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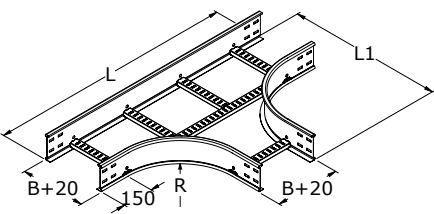
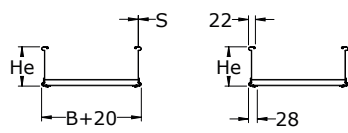
B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
150	15	585	360	C2S11N3P150F	C2I11N3P150F	1,0	1,18	C2Z11N3P150F	1,0	1,28
200	15	620	410	C2S11N3P200F	C2I11N3P200F	1,0	1,44	C2Z11N3P200F	1,0	1,57
300	15	690	510	C2S11N3P300F	C2I11N3P300F	1,0	2,00	C2Z11N3P300F	1,0	2,18
400	15	760	610	C2S11N3P400F	C2I11N3P400F	1,0	2,61	C2Z11N3P400F	1,0	2,85
500	15	830	710	C2S11N3P500F	C2I11N3P500F	1,0	3,27	C2Z11N3P500F	1,0	3,57
600	15	900	810	C2S11N3P600F	C2I11N3P600F	1,0	3,99	C2Z11N3P600F	1,0	4,35

Derivazione piana a "T"
Horizontal "T" derivation



R=300 mm

M04 ↗



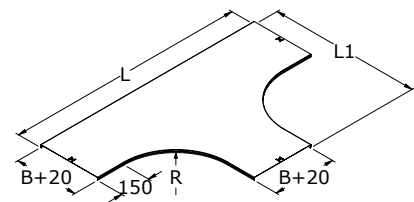
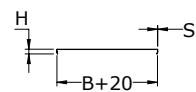
B mm	He mm	L mm	L1 mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
150	75	1050	610	C2S15S3C150HH	C2I15S3C150HH	1,2	4,55	C2Z15S3C150HH	1,2	4,89
200	75	1100	660	C2S15S3C200HH	C2I15S3C200HH	1,2	4,87	C2Z15S3C200HH	1,2	5,23
300	75	1200	760	C2S15S3C300HH	C2I15S3C300HH	1,2	6,01	C2Z15S3C300HH	1,2	6,46
400	75	1300	860	C2S15S3C400HH	C2I15S3C400HH	1,2	6,98	C2Z15S3C400HH	1,2	7,51
500	75	1400	960	C2S15S3C500HH	C2I15S3C500HH	1,2	7,70	C2Z15S3C500HH	1,2	8,28
600	75	1500	1060	C2S15S3C600HH	C2I15S3C600HH	1,2	8,42	C2Z15S3C600HH	1,2	9,05
150	100	1050	610	C2S15S3D150HH	C2I15S3D150HH	1,2	5,16	C2Z15S3D150HH	1,2	5,05
200	100	1100	660	C2S15S3D200HH	C2I15S3D200HH	1,2	5,49	C2Z15S3D200HH	1,2	5,90
300	100	1200	760	C2S15S3D300HH	C2I15S3D300HH	1,2	6,66	C2Z15S3D300HH	1,2	7,16
400	100	1300	860	C2S15S3D400HH	C2I15S3D400HH	1,2	7,65	C2Z15S3D400HH	1,2	8,23
500	100	1400	960	C2S15S3D500HH	C2I15S3D500HH	1,2	8,39	C2Z15S3D500HH	1,2	9,03
600	100	1500	1060	C2S15S3D600HH	C2I15S3D600HH	1,2	9,14	C2Z15S3D600HH	1,2	9,82

Coperchio per derivazione piana a "T"
Horizontal "T" derivation cover



R=300 mm

M04 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚖ kg/pz
150	15	1050	610	C2S15N3P150F	C2I15N3P150F	1,0	2,57	C2Z15N3P150F	1,0	2,80
200	15	1100	660	C2S15N3P200F	C2I15N3P200F	1,0	3,25	C2Z15N3P200F	1,0	3,54
300	15	1200	760	C2S15N3P300F	C2I15N3P300F	1,0	4,72	C2Z15N3P300F	1,0	5,15
400	15	1300	860	C2S15N3P400F	C2I15N3P400F	1,0	6,35	C2Z15N3P400F	1,0	6,92
500	15	1400	960	C2S15N3P500F	C2I15N3P500F	1,0	8,13	C2Z15N3P500F	1,0	8,87
600	15	1500	1060	C2S15N3P600F	C2I15N3P600F	1,0	10,08	C2Z15N3P600F	1,0	10,99

Derivazione piana a "T" a vie disuguali
Unequal "T" derivation

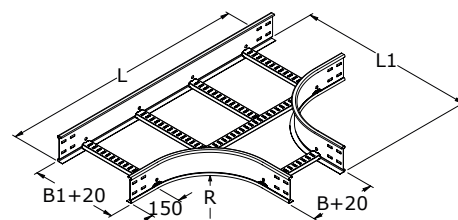
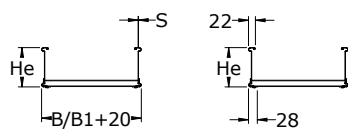




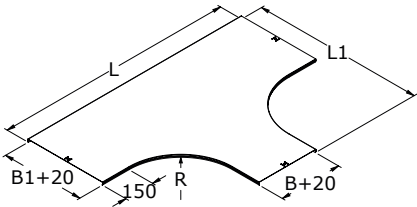
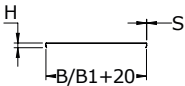
R=300 mm

M04





B/B1 mm	He mm	L mm	L1 mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
150/300	75	1050	760	C2S16S3C150HH33	C2I16S3C150HH33	1,2	5,57	C2Z16S3C150HH33	1,2	5,99
200/300	75	1100	760	C2S16S3C200HH33	C2I16S3C200HH33	1,2	5,72	C2Z16S3C200HH33	1,2	6,15
300/400	75	1200	860	C2S16S3C300HH44	C2I16S3C300HH44	1,2	6,35	C2Z16S3C300HH44	1,2	6,83
400/500	75	1300	960	C2S16S3C400HH55	C2I16S3C400HH55	1,2	7,41	C2Z16S3C400HH55	1,2	7,96
500/600	75	1400	1060	C2S16S3C500HH66	C2I16S3C500HH66	1,2	8,12	C2Z16S3C500HH66	1,2	8,74
150/300	100	1050	760	C2S16S3D150HH33	C2I16S3D150HH33	1,2	6,18	C2Z16S3D150HH33	1,2	6,64
200/300	100	1100	760	C2S16S3D200HH33	C2I16S3D200HH33	1,2	6,34	C2Z16S3D200HH33	1,2	6,82
300/400	100	1200	860	C2S16S3D300HH44	C2I16S3D300HH44	1,2	7,00	C2Z16S3D300HH44	1,2	7,52
400/500	100	1300	960	C2S16S3D400HH55	C2I16S3D400HH55	1,2	8,08	C2Z16S3D400HH55	1,2	8,68
500/600	100	1400	1060	C2S16S3D500HH66	C2I16S3D500HH66	1,2	8,82	C2Z16S3D500HH66	1,2	9,48



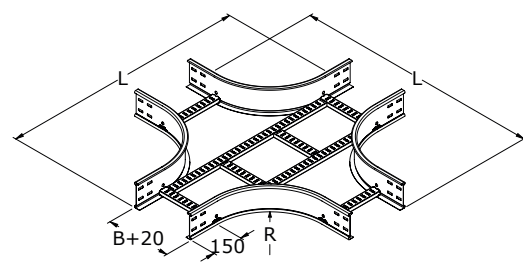
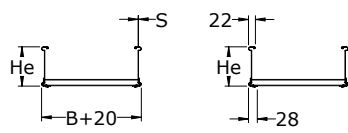
B/B1 mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚖ kg/pz
150/300	15	1050	760	C2S16N3P150F33	C2I16N3P150F33	1,0	3,81	C2Z16N3P150F33	1,0	4,15
200/300	15	1100	760	C2S16N3P200F33	C2I16N3P200F33	1,0	4,11	C2Z16N3P200F33	1,0	4,48
300/400	15	1200	860	C2S16N3P300F44	C2I16N3P300F44	1,0	5,66	C2Z16N3P300F44	1,0	6,17
400/500	15	1300	960	C2S16N3P400F55	C2I16N3P400F55	1,0	7,37	C2Z16N3P400F55	1,0	8,04
500/600	15	1400	1060	C2S16N3P500F66	C2I16N3P500F66	1,0	9,23	C2Z16N3P500F66	1,0	10,07

Derivazione piana a "X"
Horizontal "X" derivation



R=300 mm

M05 ↗



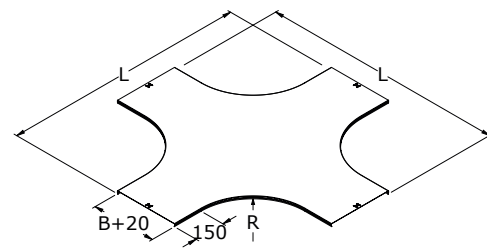
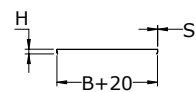
B mm	He mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
150	75	1050	-	C2S17S3C150HH	C2I17S3C150HH	1,2	5,94	C2Z17S3C150HH	1,2	6,38
200	75	1100	-	C2S17S3C200HH	C2I17S3C200HH	1,2	6,27	C2Z17S3C200HH	1,2	6,75
300	75	1200	-	C2S17S3C300HH	C2I17S3C300HH	1,2	7,97	C2Z17S3C300HH	1,2	8,57
400	75	1300	-	C2S17S3C400HH	C2I17S3C400HH	1,2	8,99	C2Z17S3C400HH	1,2	9,66
500	75	1400	-	C2S17S3C500HH	C2I17S3C500HH	1,2	9,75	C2Z17S3C500HH	1,2	10,48
600	75	1500	-	C2S17S3C600HH	C2I17S3C600HH	1,2	10,51	C2Z17S3C600HH	1,2	11,30
150	100	1050	-	C2S17S3D150HH	C2I17S3D150HH	1,2	6,66	C2Z17S3D150HH	1,2	7,16
200	100	1100	-	C2S17S3D200HH	C2I17S3D200HH	1,2	7,00	C2Z17S3D200HH	1,2	7,53
300	100	1200	-	C2S17S3D300HH	C2I17S3D300HH	1,2	8,70	C2Z17S3D300HH	1,2	9,35
400	100	1300	-	C2S17S3D400HH	C2I17S3D400HH	1,2	9,71	C2Z17S3D400HH	1,2	10,45
500	100	1400	-	C2S17S3D500HH	C2I17S3D500HH	1,2	10,47	C2Z17S3D500HH	1,2	11,26
600	100	1500	-	C2S17S3D600HH	C2I17S3D600HH	1,2	11,24	C2Z17S3D600HH	1,2	12,08

Coperchio per derivazione piana a "X"
Horizontal "X" derivation cover



R=300 mm

M05 ↗



B mm	H mm	L mm	-	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
150	15	1050	-	C2S17N3P150F	C2I17N3P150F	1,0	3,49	C2Z17N3P150F	1,0	3,81
200	15	1100	-	C2S17N3P200F	C2I17N3P200F	1,0	4,34	C2Z17N3P200F	1,0	4,73
300	15	1200	-	C2S17N3P300F	C2I17N3P300F	1,0	6,14	C2Z17N3P300F	1,0	6,70
400	15	1300	-	C2S17N3P400F	C2I17N3P400F	1,0	8,10	C2Z17N3P400F	1,0	8,84
500	15	1400	-	C2S17N3P500F	C2I17N3P500F	1,0	10,22	C2Z17N3P500F	1,0	11,15
600	15	1500	-	C2S17N3P600F	C2I17N3P600F	1,0	12,50	C2Z17N3P600F	1,0	13,63

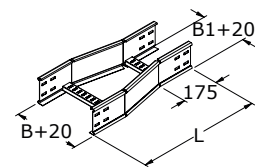
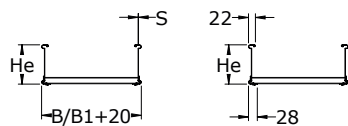
Riduzione centrale
Central reduction



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B/B1 mm	He mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
300/150	75	600	-	C2S20SAC300HH	C2I20SAC300HH	1,2	2,07	C2Z20SAC300HH	1,2	2,07
300/200	75	600	-	C2S20S2C300HH	C2I20S2C300HH	1,2	2,10	C2Z20S2C300HH	1,2	2,10
400/300	75	600	-	C2S20S3C400HH	C2I20S3C400HH	1,2	2,28	C2Z20S3C400HH	1,2	2,28
500/400	75	600	-	C2S20S4C500HH	C2I20S4C500HH	1,2	2,46	C2Z20S4C500HH	1,2	2,46
600/500	75	600	-	C2S20S5C600HH	C2I20S5C600HH	1,2	2,64	C2Z20S5C600HH	1,2	2,64
300/150	100	600	-	C2S20SAD300HH	C2I20SAD300HH	1,2	2,38	C2Z20SAD300HH	1,2	2,38
300/200	100	600	-	C2S20S2D300HH	C2I20S2D300HH	1,2	2,40	C2Z20S2D300HH	1,2	2,40
400/300	100	600	-	C2S20S3D400HH	C2I20S3D400HH	1,2	2,59	C2Z20S3D400HH	1,2	2,59
500/400	100	600	-	C2S20S4D500HH	C2I20S4D500HH	1,2	2,77	C2Z20S4D500HH	1,2	2,77
600/500	100	600	-	C2S20S5D600HH	C2I20S5D600HH	1,2	2,95	C2Z20S5D600HH	1,2	2,95

Coperchio per riduzione centrale
Central reduction cover

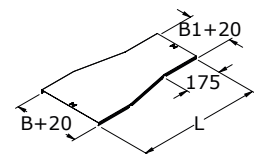


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B/B1 mm	H mm	L mm	-	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚖ kg/pz
300/150	15	600	-	C2S20NAP300F	C2I20NAP300F	1,0	1,37	C2Z20NAP300F	1,0	1,49
300/200	15	600	-	C2S20N2P300F	C2I20N2P300F	1,0	1,49	C2Z20N2P300F	1,0	1,62
400/300	15	600	-	C2S20N3P400F	C2I20N3P400F	1,0	1,96	C2Z20N3P400F	1,0	2,14
500/400	15	600	-	C2S20N4P500H	C2I20N4P500H	1,2	2,92	C2Z20N4P500H	1,0	3,14
600/500	15	600	-	C2S20N5P600H	C2I20N5P600H	1,2	3,48	C2Z20N5P600H	1,0	3,74

Riduzione destra
Right reduction

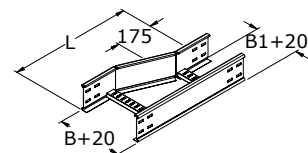
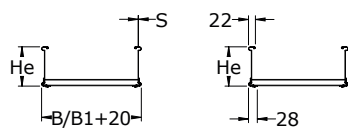


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B/B1 mm	He mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
300/150	75	600	-	C2S21SAC300HH	C2I21SAC300HH	1,2	2,07	C2Z21SAC300HH	1,2	2,07
300/200	75	600	-	C2S21S2C300HH	C2I21S2C300HH	1,2	2,10	C2Z21S2C300HH	1,2	2,10
400/300	75	600	-	C2S21S3C400HH	C2I21S3C400HH	1,2	2,28	C2Z21S3C400HH	1,2	2,28
500/400	75	600	-	C2S21S4C500HH	C2I21S4C500HH	1,2	2,46	C2Z21S4C500HH	1,2	2,46
600/500	75	600	-	C2S21S5C600HH	C2I21S5C600HH	1,2	2,64	C2Z21S5C600HH	1,2	2,64
300/150	100	600	-	C2S21SAD300HH	C2I21SAD300HH	1,2	2,38	C2Z21SAD300HH	1,2	2,38
300/200	100	600	-	C2S21S2D300HH	C2I21S2D300HH	1,2	2,40	C2Z21S2D300HH	1,2	2,40
400/300	100	600	-	C2S21S3D400HH	C2I21S3D400HH	1,2	2,59	C2Z21S3D400HH	1,2	2,59
500/400	100	600	-	C2S21S4D500HH	C2I21S4D500HH	1,2	2,77	C2Z21S4D500HH	1,2	2,77
600/500	100	600	-	C2S21S5D600HH	C2I21S5D600HH	1,2	2,95	C2Z21S5D600HH	1,2	2,95

Coperchio per riduzione destra
Right reduction cover

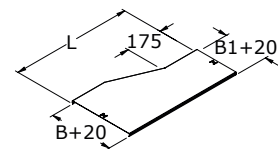


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B/B1 mm	He mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
300/150	15	600	-	C2S21NAP300F	C2I21NAP300F	1,0	1,37	C2Z21NAP300F	1,0	1,49
300/200	15	600	-	C2S21N2P300F	C2I21N2P300F	1,0	1,49	C2Z21N2P300F	1,0	1,62
400/300	15	600	-	C2S21N3P400F	C2I21N3P400F	1,0	1,96	C2Z21N3P400F	1,0	2,14
500/400	15	600	-	C2S21N4P500H	C2I21N4P500H	1,2	2,92	C2Z21N4P500H	1,0	3,14
600/500	15	600	-	C2S21N5P600H	C2I21N5P600H	1,2	3,48	C2Z21N5P600H	1,0	3,74

Riduzione sinistra
Left reduction

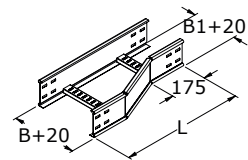
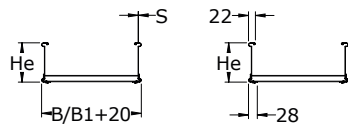


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B/B1 mm	He mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
300/150	75	600	-	C2S22SAC300HH	C2I22SAC300HH	1,2	2,07	C2Z22SAC300HH	1,2	2,07
300/200	75	600	-	C2S22S2C300HH	C2I22S2C300HH	1,2	2,10	C2Z22S2C300HH	1,2	2,10
400/300	75	600	-	C2S22S3C400HH	C2I22S3C400HH	1,2	2,28	C2Z22S3C400HH	1,2	2,28
500/400	75	600	-	C2S22S4C500HH	C2I22S4C500HH	1,2	2,46	C2Z22S4C500HH	1,2	2,46
600/500	75	600	-	C2S22S5C600HH	C2I22S5C600HH	1,2	2,64	C2Z22S5C600HH	1,2	2,64
300/150	100	600	-	C2S22SAD300HH	C2I22SAD300HH	1,2	2,38	C2Z22SAD300HH	1,2	2,38
300/200	100	600	-	C2S22S2D300HH	C2I22S2D300HH	1,2	2,40	C2Z22S2D300HH	1,2	2,40
400/300	100	600	-	C2S22S3D400HH	C2I22S3D400HH	1,2	2,59	C2Z22S3D400HH	1,2	2,59
500/400	100	600	-	C2S22S4D500HH	C2I22S4D500HH	1,2	2,77	C2Z22S4D500HH	1,2	2,77
600/500	100	600	-	C2S22S5D600HH	C2I22S5D600HH	1,2	2,95	C2Z22S5D600HH	1,2	2,95

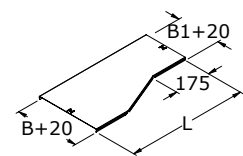
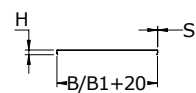
Coperchio per riduzione sinistra
Left reduction cover



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B mm	H mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
300/150	15	600	-	C2S22NAP300F	C2I22NAP300F	1,0	1,37	C2Z22NAP300F	1,0	1,49
300/220	15	600	-	C2S22N2P300F	C2I22N2P300F	1,0	1,49	C2Z22N2P300F	1,0	1,62
400/300	15	600	-	C2S22N3P400F	C2I22N3P400F	1,0	1,96	C2Z22N3P400F	1,0	2,14
500/400	15	600	-	C2S22N4P500H	C2I22N4P500H	1,2	2,92	C2Z22N4P500H	1,0	3,14
600/500	15	600	-	C2S22N5P600H	C2I22N5P600H	1,2	3,48	C2Z22N5P600H	1,0	3,74

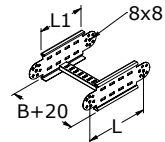
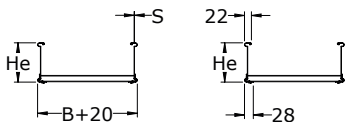
Elemento curva snodata verticale
Element for articulated bend



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M06 ↗

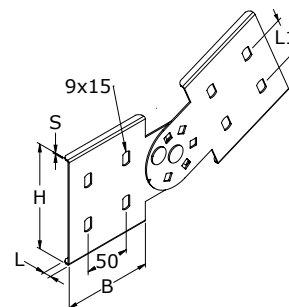
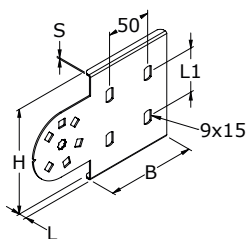


B mm	He mm	L mm	L1 mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
150	75	300	225	C2S37S1C150KH	C2I37S1C150KH	1,5	1,00	C2Z37S1C150KH	1,5	1,06
200	75	300	225	C2S37S1C200KH	C2I37S1C200KH	1,5	1,05	C2Z37S1C200KH	1,5	1,11
300	75	300	225	C2S37S1C300KH	C2I37S1C300KH	1,5	1,13	C2Z37S1C300KH	1,5	1,20
400	75	300	225	C2S37S1C400KH	C2I37S1C400KH	1,5	1,22	C2Z37S1C400KH	1,5	1,29
500	75	300	225	C2S37S1C500KH	C2I37S1C500KH	1,5	1,30	C2Z37S1C500KH	1,5	1,38
600	75	300	225	C2S37S1C600KH	C2I37S1C600KH	1,5	1,39	C2Z37S1C600KH	1,5	1,47
150	100	300	225	C2S37S1D150KH	C2I37S1D150KH	1,5	1,17	C2Z37S1D150KH	1,5	1,24
200	100	300	225	C2S37S1D200KH	C2I37S1D200KH	1,5	1,21	C2Z37S1D200KH	1,5	1,28
300	100	300	225	C2S37S1D300KH	C2I37S1D300KH	1,5	1,29	C2Z37S1D300KH	1,5	1,37
400	100	300	225	C2S37S1D400KH	C2I37S1D400KH	1,5	1,38	C2Z37S1D400KH	1,5	1,46
500	100	300	225	C2S37S1D500KH	C2I37S1D500KH	1,5	1,46	C2Z37S1D500KH	1,5	1,55
600	100	300	225	C2S37S1D600KH	C2I37S1D600KH	1,5	1,55	C2Z37S1D600KH	1,5	1,64

Giunto snodato verticale
Vertical hinged joint



- M06 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
100	70	8	-	C2S63IAC008K	C2I63IAC008K	1,5	0,21	C2Z63IAC008K	1,5	0,22
100	70	8	-	C2S63IAC008M	C2I63IAC008M	2,0	0,29	C2Z63IAC008M	2,0	0,30
100	95	8	25	C2S63IAD008K	C2I63IAD008K	1,5	0,32	C2Z63IAD008K	1,5	0,34
100	95	8	25	C2S63IAD008M	C2I63IAD008M	2,0	0,44	C2Z63IAD008M	2,0	0,46

NOTA: articolo completo di n°2 viti e dadi (M6 per H=75, M8 per H=100)

Bulloneria di fissaggio M8 non inclusa.

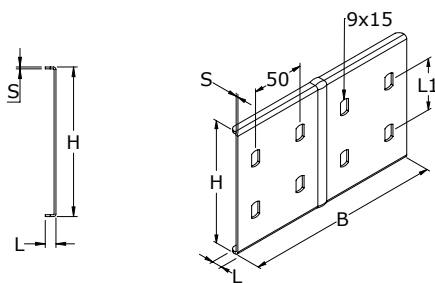
NOTE: item complete with n°2 screws and nuts (M6 for H=75, M8 for H=100)

M8 fixing hardware not included.

Giunto
Joint



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-	M05	



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
190	70	8	-	C2S60I6C008K	C2I60I6C008K	1,5	0,16	C2Z60I6C008K	1,5	0,16
190	70	8	-	C2S60I6C008M	C2I60I6C008M	2,0	0,21	C2Z60I6C008M	2,0	0,22
190	95	8	25	C2S60I6D008K	C2I60I6D008K	1,5	0,21	C2Z60I6D008K	1,5	0,22
190	95	8	25	C2S60I6D008M	C2I60I6D008M	2,0	0,28	C2Z60I6D008M	2,0	0,29

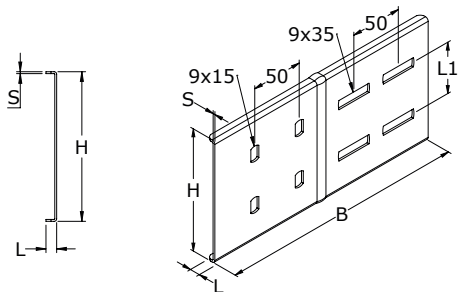
NOTA: bulloneria di fissaggio M8 non inclusa.

NOTE: M8 fixing hardware not included.

Giunto di espansione *Expansion joint*



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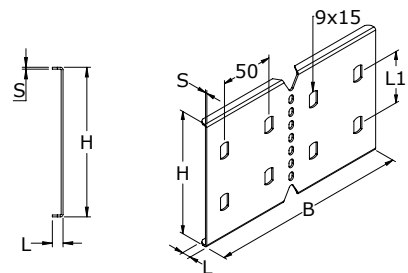
B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌢ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌢ kg/pz
240	70	8	-	C2S64I5C008K	C2I64I5C008K	1,5	0,19	C2Z64I5C008K	1,5	0,20
240	70	8	-	C2S64I5C008M	C2I64I5C008M	2,0	0,26	C2Z64I5C008M	2,0	0,27
240	95	8	25	C2S64I5D008K	C2I64I5D008K	1,5	0,26	C2Z64I5D008K	1,5	0,28
240	95	8	25	C2S64I5D008M	C2I64I5D008M	2,0	0,35	C2Z64I5D008M	2,0	0,37

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

Giunto adattabile orizzontale
Horizontal adjustable joint



1



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
190	70	8	-	C2S65I6C008K	C2I65I6C008K	1,5	0,15	C2Z65I6C008K	1,5	0,16
190	70	8	-	C2S65I6C008M	C2I65I6C008M	2,0	0,20	C2Z65I6C008M	2,0	0,21
190	95	8	25	C2S65I6D008K	C2I65I6D008K	1,5	0,21	C2Z65I6D008K	1,5	0,22
190	95	8	25	C2S65I6D008M	C2I65I6D008M	2,0	0,28	C2Z65I6D008M	2,0	0,29

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

Giunto adattabile orizzontale
Horizontal adjustable joint

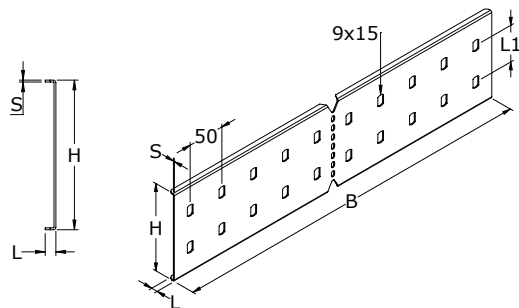


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M14 ↗



B mm	H mm	L mm	L1 mm	Sendimir <i>Sendimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚖ kg/pz
500	70	8	-	C2S65IEC008K	C2I65IEC008K	1,5	0,50	C2Z65IEC008K	1,5	0,53
500	70	8	-	C2S65IEC008M	C2I65IEC008M	2,0	0,67	C2Z65IEC008M	2,0	0,70
500	95	8	25	C2S65IED008K	C2I65IED008K	1,5	0,65	C2Z65IED008K	1,5	0,69
500	95	8	25	C2S65IED008M	C2I65IED008M	2,0	0,86	C2Z65IED008M	2,0	0,90

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

Giunto per connessione a "T" verticale
Vertical "T" connection joint

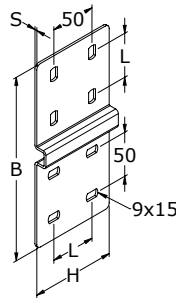
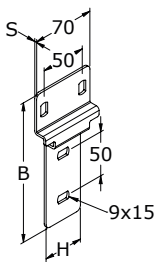


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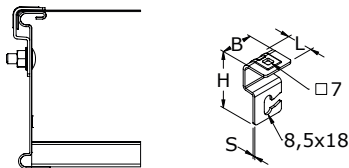
M16 ↗



B mm	H mm	L mm	L1 mm	Sendimir <i>Sendimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚖ kg/pz
159	45	-	-	C2S66SXC000P	C2I66SXC000P	2,5	0,18	C2Z66SXC000P	2,5	0,18
185	70	25	-	C2S66SXD000P	C2I66SXD000P	2,5	0,25	C2Z66SXD000P	2,5	0,26

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

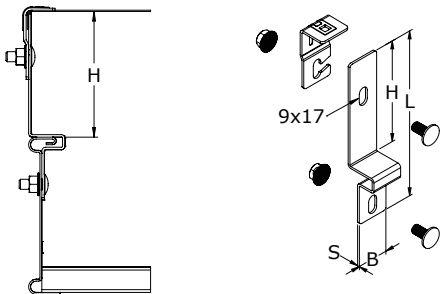
Blocca coperchio
Cover clamp



B mm	H mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
30	56	25	-	C2S90SXQ055M	C2I90SXQ055M	2,0	0,04	C2Z90SXQ055M	2,0	0,04

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

Alza blocca coperchio
Cover space



B mm	H mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
30	50	100	-	C2S93S3X050ME02	C2I93S3X050ME02	2,0	0,14	C2Z93S3X050MD02	2,0	0,14
30	100	150	-	C2S93S3X100ME02	C2I93S3X100ME02	2,0	0,16	C2Z93S3X100MD02	2,0	0,16
30	125	175	-	C2S93S3X125ME02	C2I93S3X125ME02	2,0	0,17	C2Z93S3X125MD02	2,0	0,17

NOTA: articolo completo di n°2 viti e dadi M8
NOTE: item complete with n°2 screws and nuts M8

Piastra di fissaggio a muro
Wall fixing plate

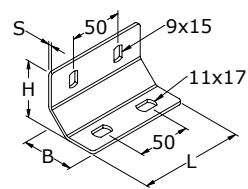


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B mm	H mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
50	50	100	-	C2S67ADB050Q	C2I67ADB050Q	3,0	0,20	C2Z67ADB050Q	3,0	0,21

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

Blocca passerella
Side profile locking device

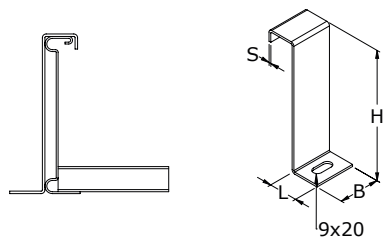


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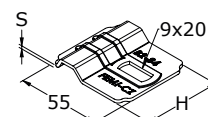
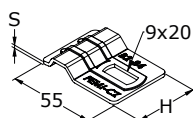
B mm	H mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
40	75	28	-	C2S98S5X075M	C2I98S5X075M	2,0	0,08	C2Z98S5X075M	2,0	0,08
40	100	28	-	C2S98S5X100M	C2I98S5X100M	2,0	0,10	C2Z98S5X100M	2,0	0,10

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

Blocca passerella a traversini
Cable ladder locking device

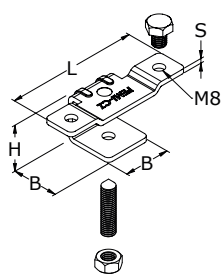


M09/M10 ↗



-	H mm	-	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
-	25	-	-	B2S84XXX025M	B2I84XXX025M	2,0	0,02	B2Z84XXX025M	2,0	0,02
-	40	-	-	B2S84XXX040M	B2I84XXX040M	2,0	0,03	B2Z84XXX040M	2,0	0,03
-	50	-	-	B2S84XXX050M	B2I84XXX050M	2,0	0,04	B2Z84XXX050M	2,0	0,04

Blocca/guida passerella a trave
Hold down clamp/exp. guide for rack fixing

M12 

B mm	H mm	L mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Geomet Geomet	S mm	⌘ kg/pz
30	30	86	-	-	B2I85JXG090Q1J02	3,0	0,12	B2D85JXG090Q1D02	3,0	0,12

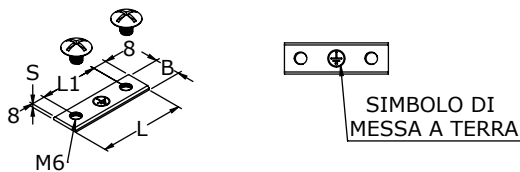
Barretta di terra per colleg. equipotenziali
Earthing bar for equipotential connections



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M01 ↗



B mm	H mm	L mm	L1 mm	Sendimir Sendimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⚡ kg/pz	Geomet Geomet	S mm	⚡ kg/pz
15	7,5	50	34	A3S62X1X015M	A3I62X1X015M	A3Y62X1X015M	2,0	0,02	A3D62X1X015M	2,0	0,02

NOTA: completo di n° 2 viti testa bombata a doppio intaglio M6x6
NOTE: complete with n°2 M6x6 double slotted convex head screws

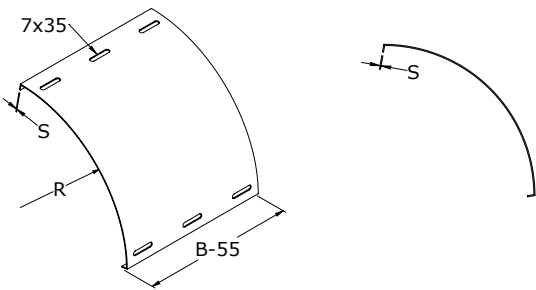
Uscita cavi
Drop out



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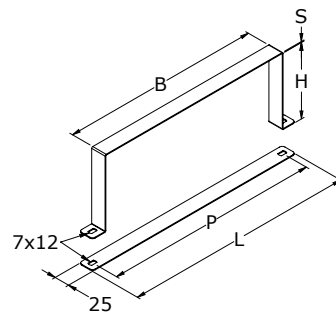
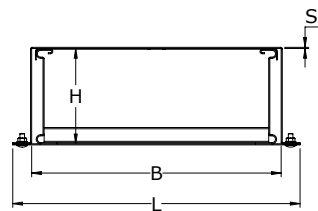
M16 ↗



B mm	R mm	-	-	-	Sendimir Sendimir	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
200	200	-	-	-	B2S74X2X200K	B2I74X2X200K	1,5	0,55	B2Z74X2X200K	1,5	0,58
300	200	-	-	-	B2S74X2X300K	B2I74X2X300K	1,5	0,94	B2Z74X2X300K	1,5	1,00
400	200	-	-	-	B2S74X2X400K	B2I74X2X400K	1,5	1,32	B2Z74X2X400K	1,5	1,40
500	200	-	-	-	B2S74X2X500K	B2I74X2X500K	1,5	1,70	B2Z74X2X500K	1,5	1,80
600	200	-	-	-	B2S74X2X600K	B2I74X2X600K	1,5	2,09	B2Z74X2X600K	1,5	2,22

NOTA: bulloneria di fissaggio M6 non inclusa.
NOTE: M6 fixing hardware not included.

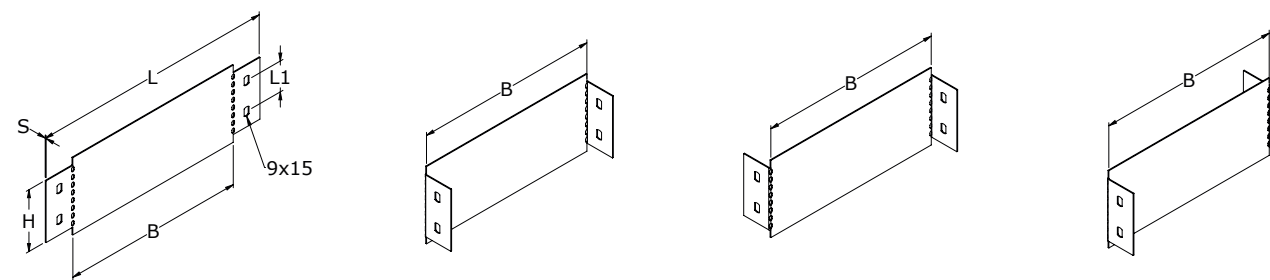
Blocca coperchio ad omega di sicurezza
Security cover clamp



B mm	H mm	L mm	P mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
150	75	230	205	C2S98AZC150K	C2I98AZC150K	1,5	0,18	C2Z98AZC150K	1,5	0,19
200	75	28	255	C2S98AZC200K	C2I98AZC200K	1,5	0,21	C2Z98AZC200K	1,5	0,22
300	75	380	355	C2S98AZC300K	C2I98AZC300K	1,5	0,27	C2Z98AZC300K	1,5	0,28
400	75	480	355	C2S98AZC400K	C2I98AZC400K	1,5	0,33	C2Z98AZC400K	1,5	0,35
500	75	580	555	C2S98AZC500K	C2I98AZC500K	1,5	0,39	C2Z98AZC500K	1,5	0,41
600	75	680	655	C2S98AZC600K	C2I98AZC600K	1,5	0,44	C2Z98AZC600K	1,5	0,47
150	100	230	205	C2S98AZD150K	C2I98AZD150K	1,5	0,19	C2Z98AZD150K	1,5	0,21
200	100	28	255	C2S98AZD200K	C2I98AZD200K	1,5	0,22	C2Z98AZD200K	1,5	0,24
300	100	380	355	C2S98AZD300K	C2I98AZD300K	1,5	0,28	C2Z98AZD300K	1,5	0,3
400	100	480	355	C2S98AZD400K	C2I98AZD400K	1,5	0,34	C2Z98AZD400K	1,5	0,36
500	100	580	555	C2S98AZD500K	C2I98AZD500K	1,5	0,40	C2Z98AZD500K	1,5	0,42
600	100	680	655	C2S98AZD600K	C2I98AZD600K	1,5	0,46	C2Z98AZD600K	1,5	0,49

NOTA: bulloneria di fissaggio M6 non inclusa.
NOTE: M6 fixing hardware not included.

Chiusura terminale e/o riduzione
End element and/or reduction



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚖ kg/pz
150	50	350	-	C2S24AXC150K	C2I24AXC150K	1,5	0,24	C2Z24AXC150K	1,5	0,26
200	50	400	-	C2S24AXC200K	C2I24AXC200K	1,5	0,29	C2Z24AXC200K	1,5	0,31
300	50	500	-	C2S24AXC300K	C2I24AXC300K	1,5	0,38	C2Z24AXC300K	1,5	0,40
400	50	600	-	C2S24AXC400K	C2I24AXC400K	1,5	0,46	C2Z24AXC400K	1,5	0,49
500	50	700	-	C2S24AXC500M	C2I24AXC500M	2,0	0,74	C2Z24AXC500M	2,0	0,77
600	50	800	-	C2S24AXC600M	C2I24AXC600M	2,0	0,86	C2Z24AXC600M	2,0	0,89
150	75	350	25	C2S24AXD150K	C2I24AXD150K	1,5	0,34	C2Z24AXD150K	1,5	0,36
200	75	400	25	C2S24AXD200K	C2I24AXD200K	1,5	0,40	C2Z24AXD200K	1,5	0,42
300	75	500	25	C2S24AXD300K	C2I24AXD300K	1,5	0,52	C2Z24AXD300K	1,5	0,55
400	75	600	25	C2S24AXD400K	C2I24AXD400K	1,5	0,63	C2Z24AXD400K	1,5	0,67
500	75	700	25	C2S24AXD500M	C2I24AXD500M	2,0	1,00	C2Z24AXD500M	2,0	1,05
600	75	800	25	C2S24AXD600M	C2I24AXD600M	2,0	1,16	C2Z24AXD600M	2,0	1,21

NOTA: bulloneria di fissaggio M8 non inclusa.
NOTE: M8 fixing hardware not included.

Vite testa tonda con quadro sottotesta
Round head screw with square neck

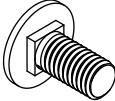
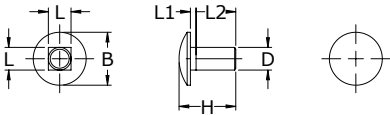


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Classe / Class

D0C	4.6 - 4.8
D0I	70
D0Y	70

D	L mm	B mm	H mm	L1 mm	L2 mm	Geomet Geomet	Elettrolitico Electrolytic	⚡ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz
M6	6	14	15	1,8	10,2	D0C10A06X12D	D0C10A06X12E	0,52	D0I10A06X12J	D0Y10A06X12N	0,52
M8	8	18	21	2,4	14,6	D0C10A08X17D	D0C10A08X17E	1,20	D0I10A08X17J	D0Y10A08X17N	1,20

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Vite testa bombata larga doppio intaglio
Wide crowned head screw with double slot

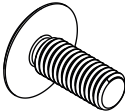
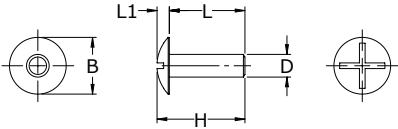


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Classe / Class

D0C	4.6 - 4.8
D0Y	70

D	L mm	B mm	H mm	L1 mm	Geomet Geomet	Elettrolitico Electrolytic	⚡ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz
M6	20	15	23,3	3,3	D0C13L06X20	D0C13L06X20	0,65	D0I13L06X20J	D0Y13L06X20N	0,65
M8	20	20	24,4	4,4	D0C13L08X20	D0C13L08X20	1,35	D0I13L08X20J	D0Y13L08X20N	1,35

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Vite testa bombata con esagono incassato
Hexag. socket head cap screw

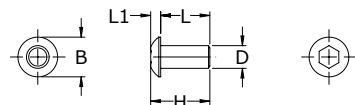


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D	L mm	B mm	H mm	L1 mm	L2 mm	Geomet Geomet	Elettrolitico Electrolytic	⚡ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz
M6	16	10,5	19,2	3,2	-	DOC13S06X16D	DOC13S06X16E	0,45	DOI13S06X16J	DOY13S06X16N	0,45
M8	16	14	20,4	4,4	-	DOC13S08X16D	DOC13S08X16E	0,88	DOI13S08X16J	DOY13S08X16N	0,88

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Dado esagonale flangiato
Flanged hexagonal nut

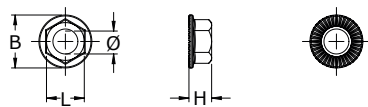


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Classe / Class

DOC	6.5
DOI	70
DOY	70

Ø	B mm	H mm	L mm	-	-	Geomet Geomet	Elettrolitico Electrolytic	⚡ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz
M6	14	6	10	-	-	DOC16S06D	DOC16S06E	0,34	DOI10A06X12J	DOY10A06X12N	0,34
M8	18	8	13	-	-	DOC16S08D	DOC16S08E	0,68	DOI10A06X15J	DOY10A06X15N	0,68

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Dado esagonale autobloccante
Self-locking hexagonal nut

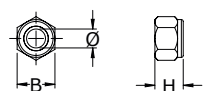


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Ø	B mm	H mm	-	-	-	Geomet Geomet	Elettrolitico Electrolytic	↗ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	↗ kg/pz
M6	10	6	-	-	-	-	DOC19S06E	0,20	DOI19S06J	DOY19S06N	0,20
M8	13	8	-	-	-	-	DOC19S08E	0,44	DOI19S08J	DOY19S08N	0,44

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Rondella piana
Plain washer

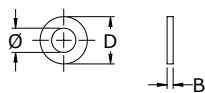


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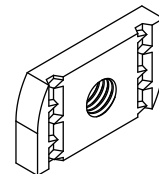
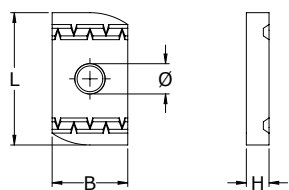
Durezza / Hardness

100 - 300 HV

Ø	B mm	D mm	Geomet Geomet	Elettrolitico Electrolytic	Zincato a caldo Hot dip galv.	↗ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	↗ kg/pz
M6	1,6	12	DOC36S06X12D	DOC36S06X12E	-	0,10	DOI36S06X12J	DOY36S06X12N	0,10
M6	1,6	18	DOC36L06X18D	DOC36L06X18E	-	0,28	DOI36L06X18J	DOY36L06X18N	0,28
M8	1,6	16	-	DOC36S08X17E	DOC36S08X17Z	0,20	DOI36S08X17J	DOY36S08X17N	0,20

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

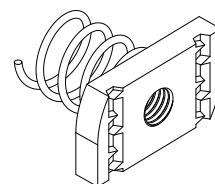
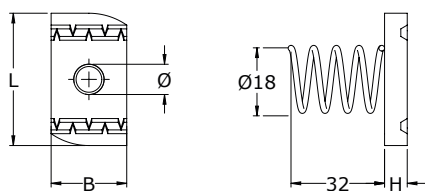
Dado per profilati
Nut for channels



Ø	B	H	L	-	-	Dacromet Dacromet	Elettrolitico Electrolytic	Zincato a caldo Hot-dip galvan.	⚖ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
M6	20	6	35	UR1	-	-	D0C25S06X40E	D0C25S06X40Z	2,70	-	D0Y25S06X40N	2,70
M8	20	6	35	UR1	-	-	D0C25S08X40E	D0C25S08X40Z	2,47	-	D0Y25S08X40N	2,47

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Dado per profilati con molla
Nut for channels with spring



Ø	B	H	L	-	-	Dacromet Dacromet	Elettrolitico Electrolytic	Zincato a caldo Hot-dip galvan.	⚖ kg/pz	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
M6	20	6	35	UR1	-	-	D0C27S06X40E	D0C27S06X40Z	2,70	-	D0Y27S06X40N	
M8	20	6	35	UR1	-	-	D0C27S08X40E	D0C27S08X40Z	2,47	-	D0Y27S08X40N	3,39

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

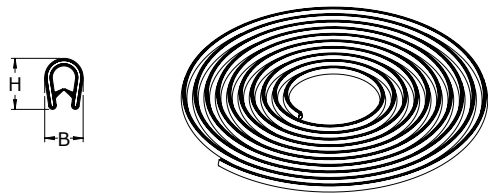
Guarnizione con anima metallica AISI 316
AISI 316 metallic core gasket

CE

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B mm	H mm	-	Inox AISI 316 AISI 316 S.S.	⚡ kg/pz	Nota Note
6	10	-	D0Q83A06X10X0050	0,06	Per spessori lamiera ≤ 1,2 / For sheet metal thickness ≤ 1,2
10	16	-	D0Q83A10X16X0050	0,12	Per spessori lamiera ≥ 1,2 / For sheet metal thickness ≥ 1,2

NOTA: unità di imballaggio 50m
NOTE: packaging unit 50m

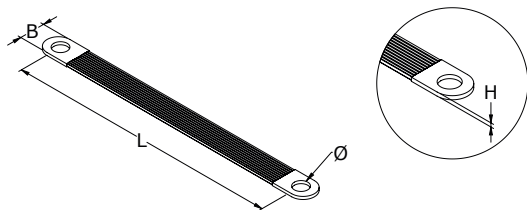
Treccia di massa
Bonding jumper

CE

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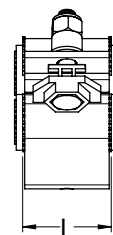
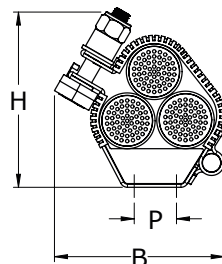
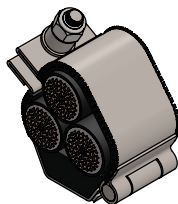
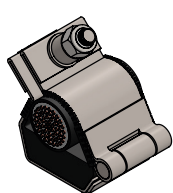
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M15 ↗



B mm	H mm	L mm	S mm²	Ø mm	Ramato Coppery	⚡ kg/pz
17	2,5	400	16	9	D0R90S16B40S	0,08
23	3,2	400	25	9	D0R90S25B40S	0,13
23	3,4	400	35	9	D0R90S35B40S	0,18
30	4,0	400	50	9	D0R90S50B40S	0,25

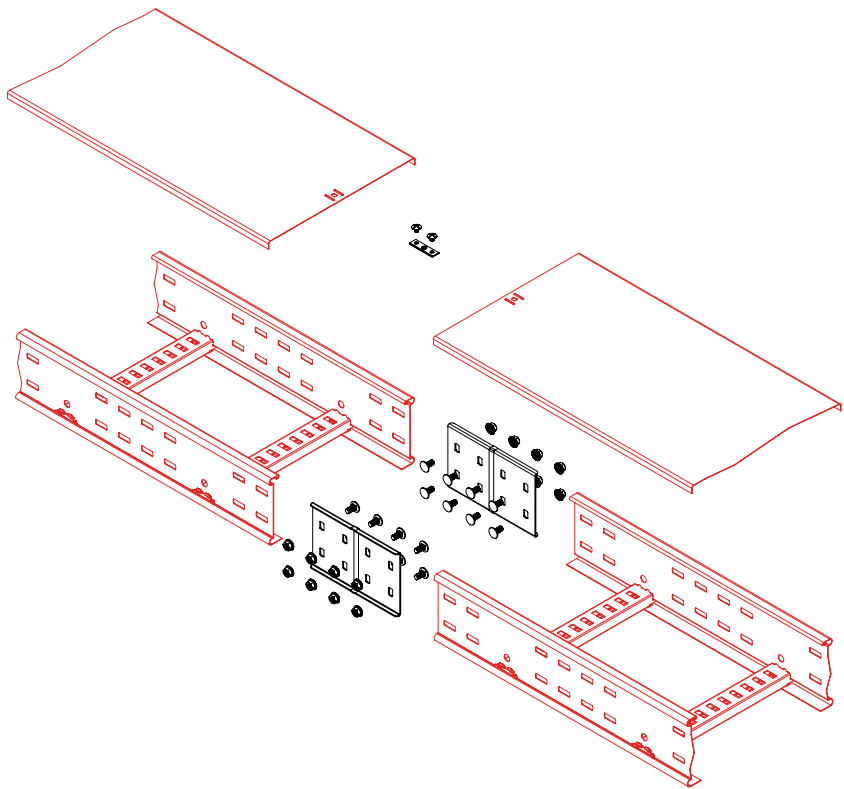
Morsetto fissacavi
Cable cleats



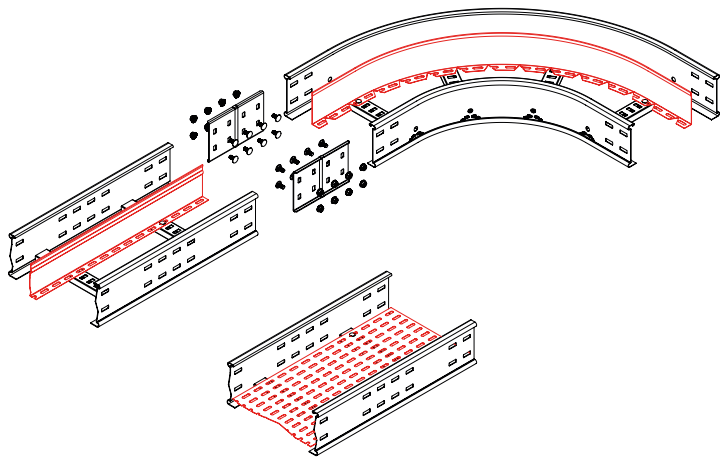
B mm	H mm	L mm	P mm	Ø cavi mm	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
96	93	54	25	32-38	A0Y75C032038	0,43
100	100	54	25	38-46	A0Y75C038046	0,45
104	103	54	25	46-51	A0Y75C046051	0,46
108	107	54	25	51-58	A0Y75C051058	0,47
129	119	54	50	58-70	A0Y75C058070	0,55
137	120	54	50	70-83	A0Y75C070083	0,58
157	137	54	75	83-97	A0Y75C083097	0,66
165	133	54	75	96-109	A0Y75C096109	0,69

B mm	H mm	L mm	P mm	Ø cavi mm	Inox AISI 316L AISI 316L S.S.	⚖ kg/pz
100	87	54	25	19-24	A0Y75D019024	0,41
104	88	54	25	23-28	A0Y75D023028	0,45
106	97	54	25	27-32	A0Y75D027032	0,46
108	103	54	25	30-35	A0Y75D030035	0,47
110	107	54	25	33-38	A0Y75D033038	0,48
132	108	54	50	36-42	A0Y75D036042	0,57
134	113	54	50	40-56	A0Y75D040046	0,58
136	121	54	50	44-50	A0Y75D044050	0,59
138	127	54	50	48-55	A0Y75D048055	0,61
140	130	54	50	51-58	A0Y75D051058	0,63
157	138	54	75	55-62	A0Y75D055062	0,70
157	145	54	75	59-66	A0Y75D059066	0,72
160	152	54	75	63-70	A0Y75D063070	0,73
163	160	54	75	67-74	A0Y75D067074	0,75
168	167	54	75	71-78	A0Y75D071078	0,76
190	175	54	75	74-82	A0Y75D074082	0,86
192	180	54	75	77-85	A0Y75D077085	0,87
193	186	54	75	82-88	A0Y75D082088	0,88
202	201	54	75	88-96	A0Y75D088096	0,91
214	215	54	75	96-103	A0Y75D096103	0,94

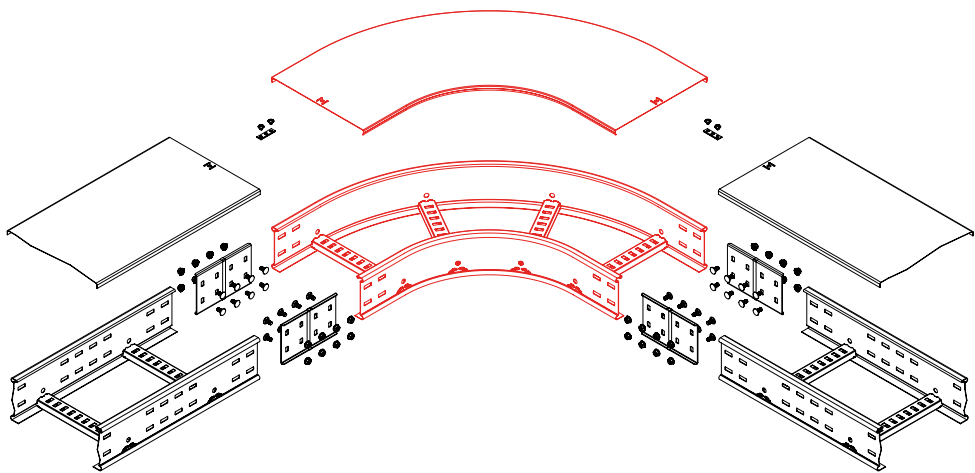
M01



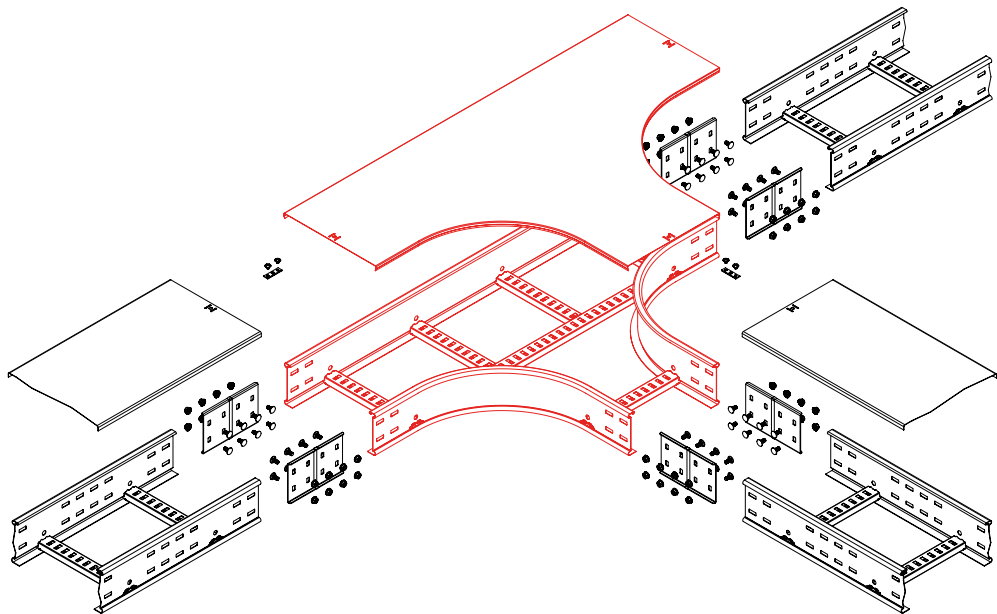
M02



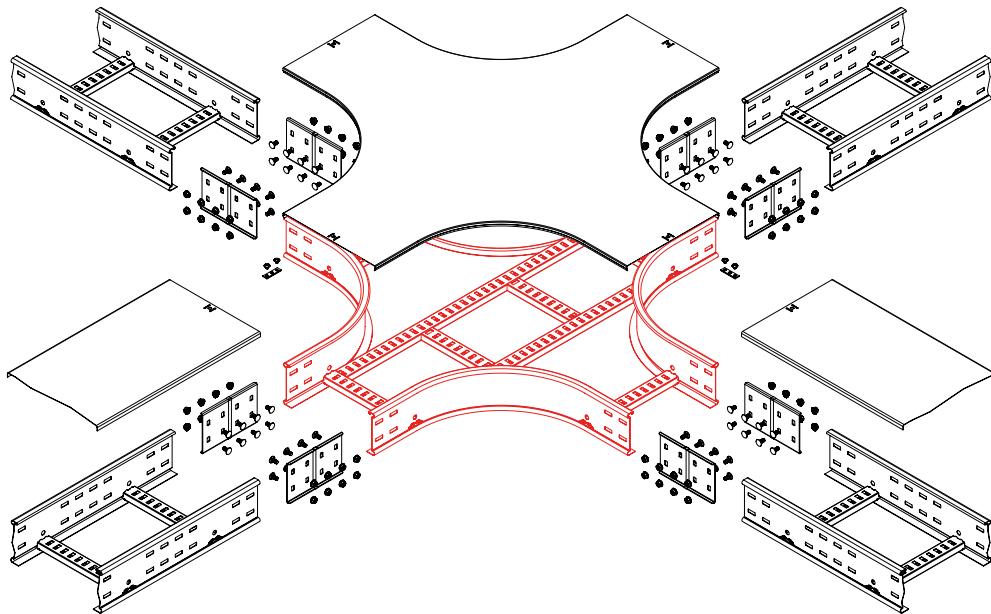
M03



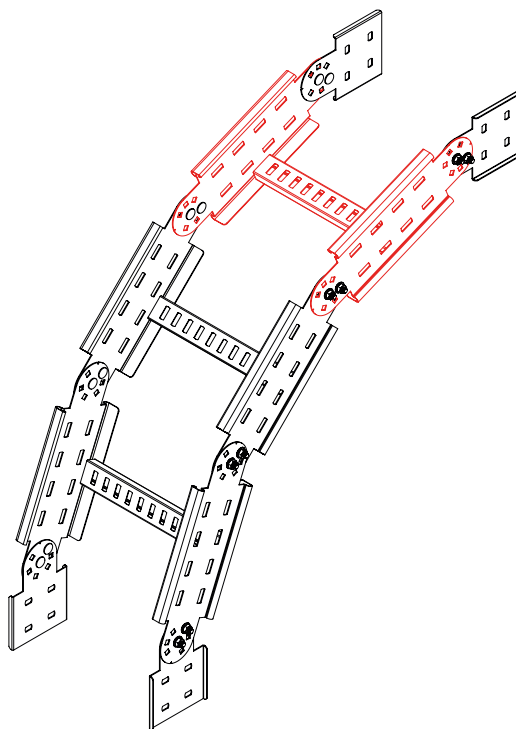
M04



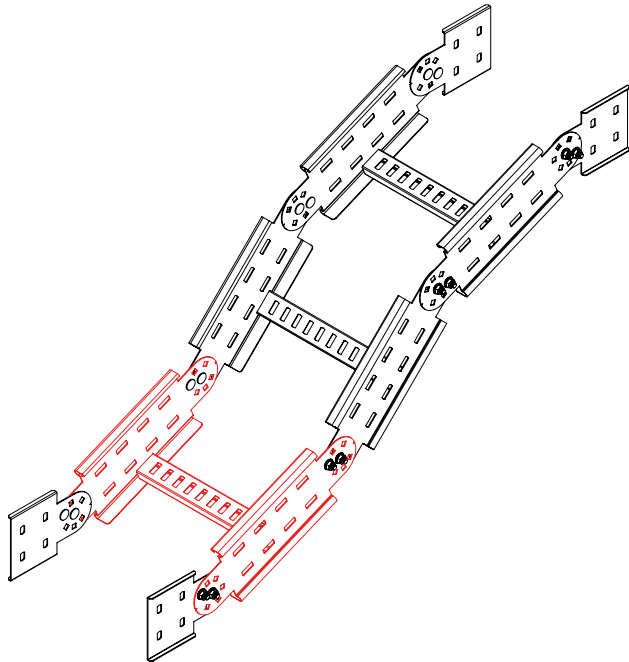
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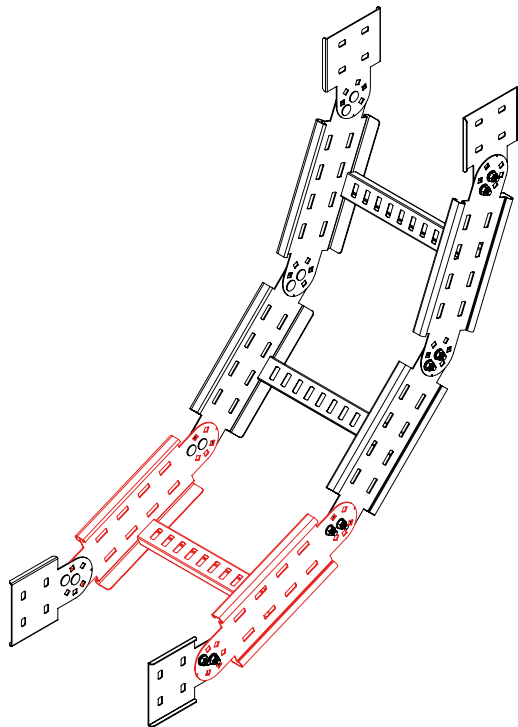
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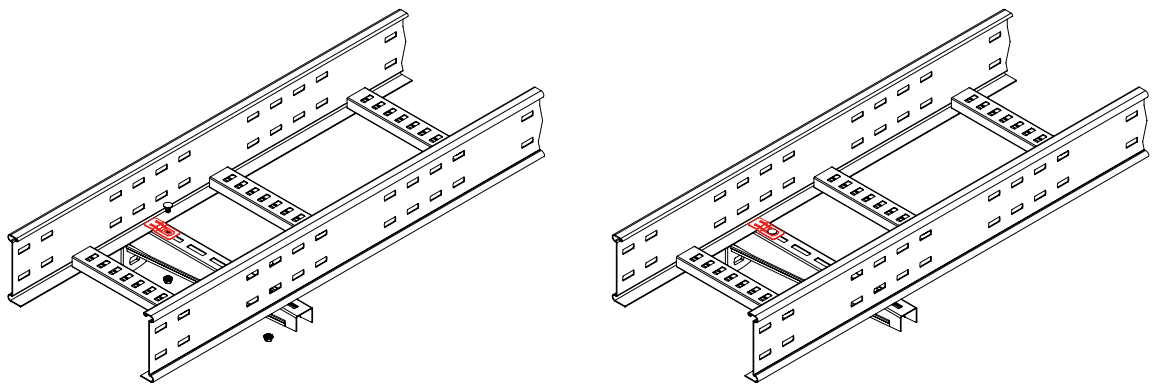
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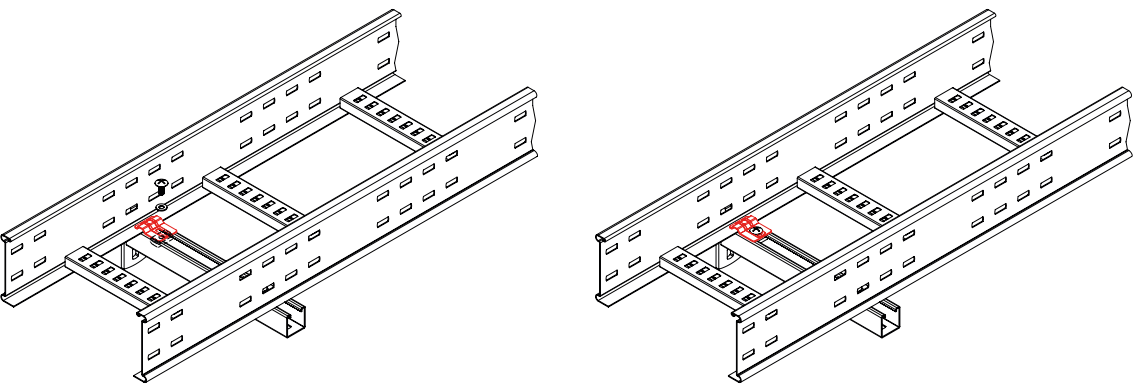
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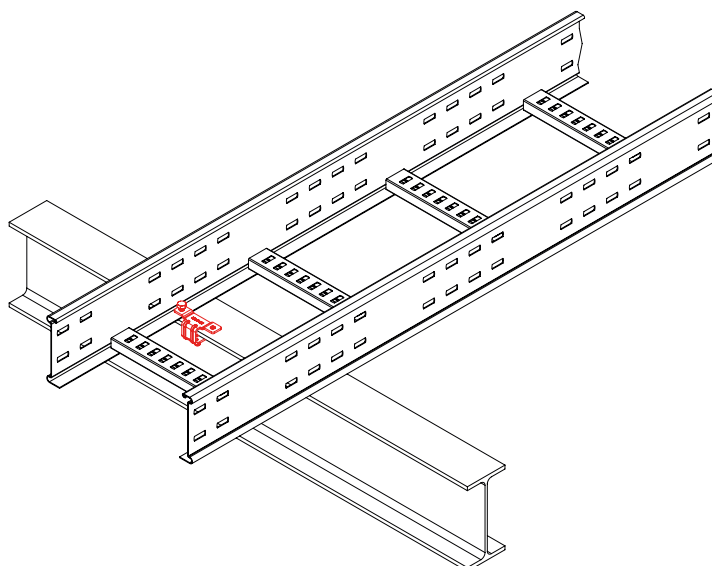
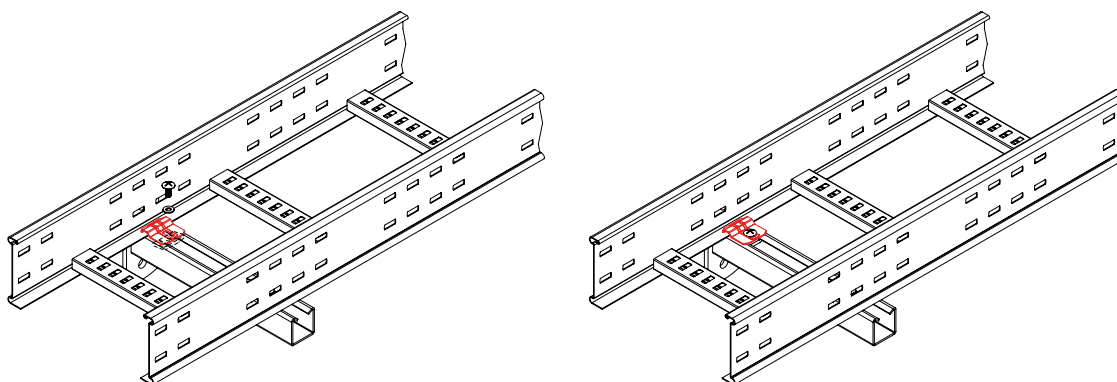


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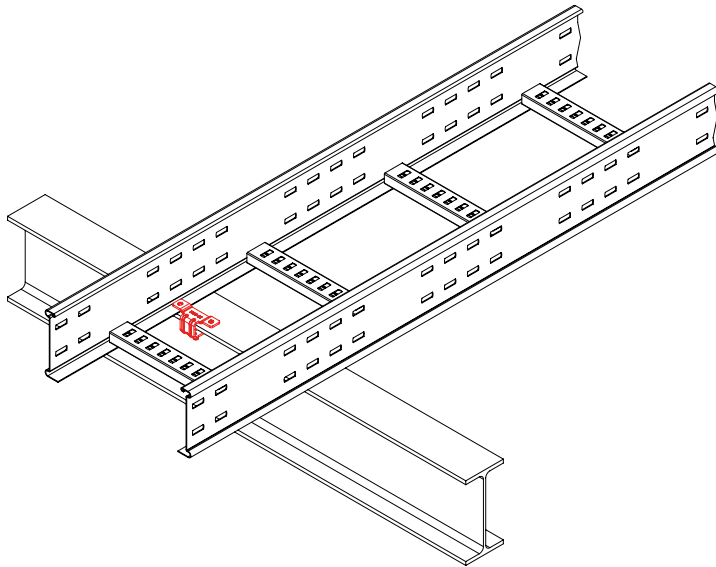


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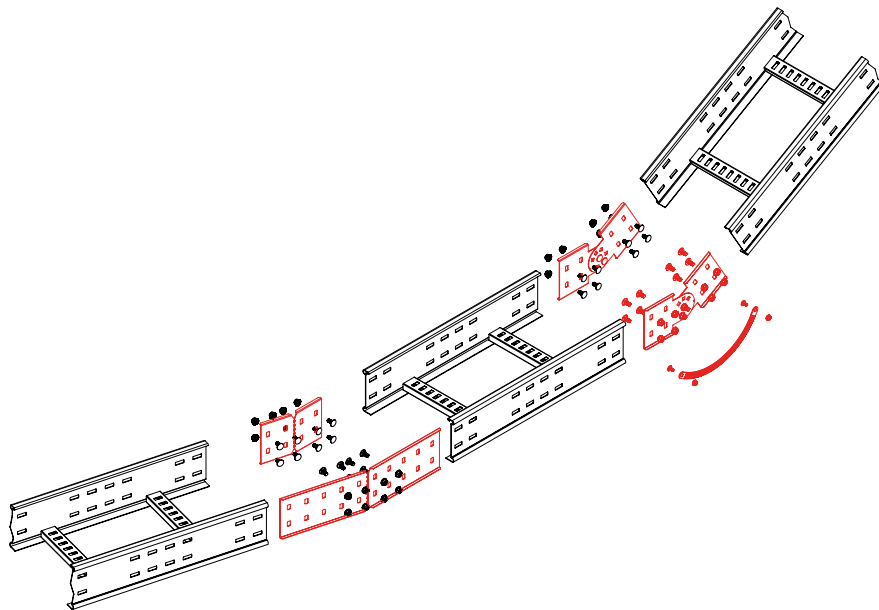




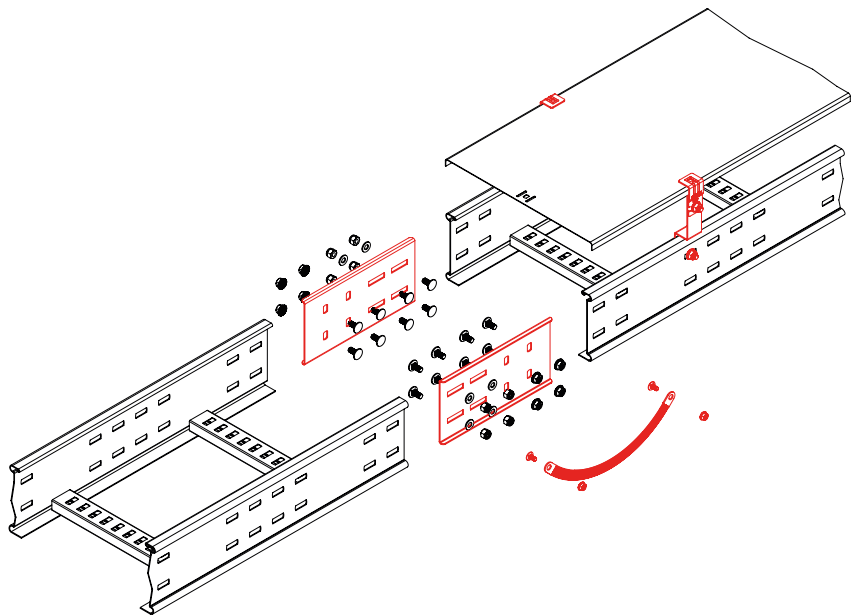
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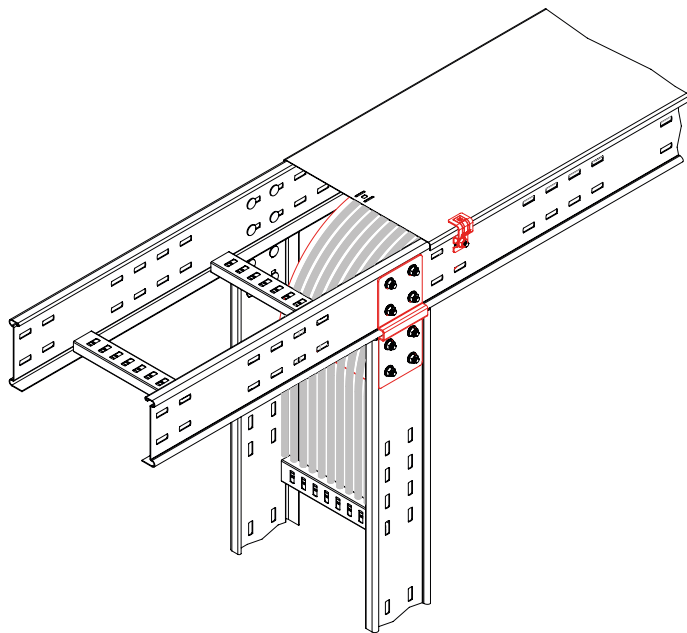
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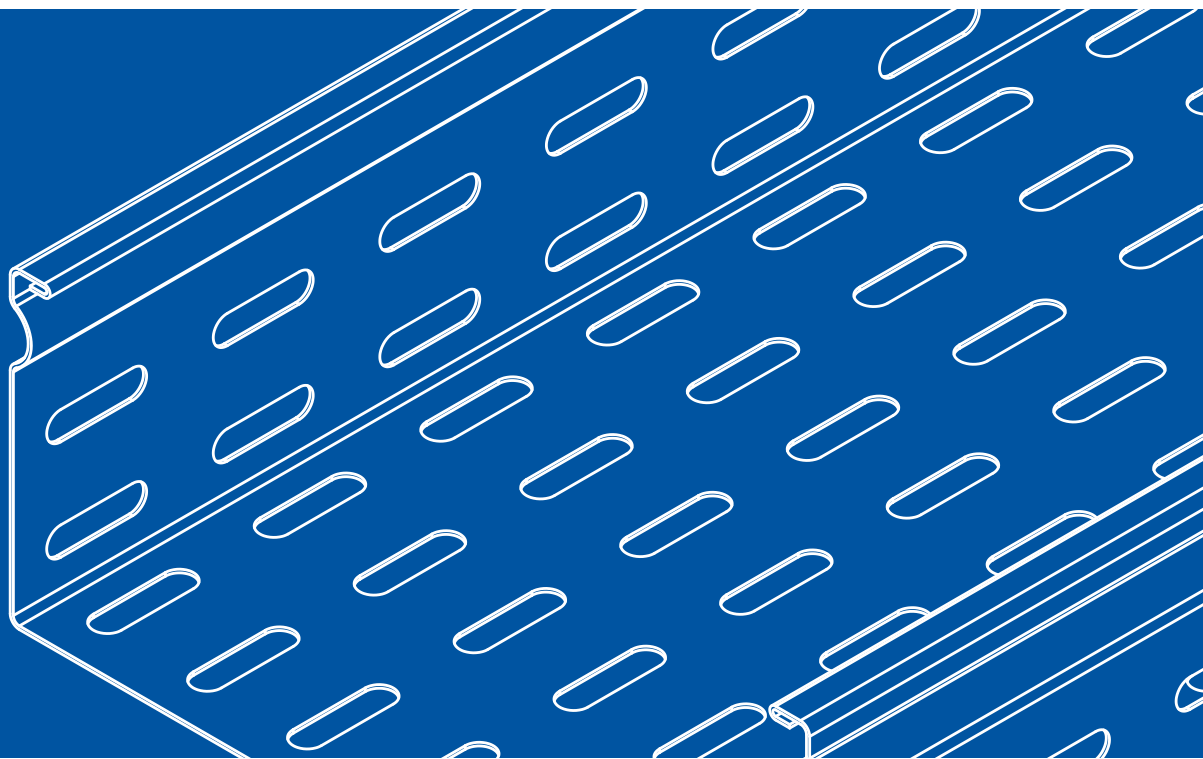
M15



M16

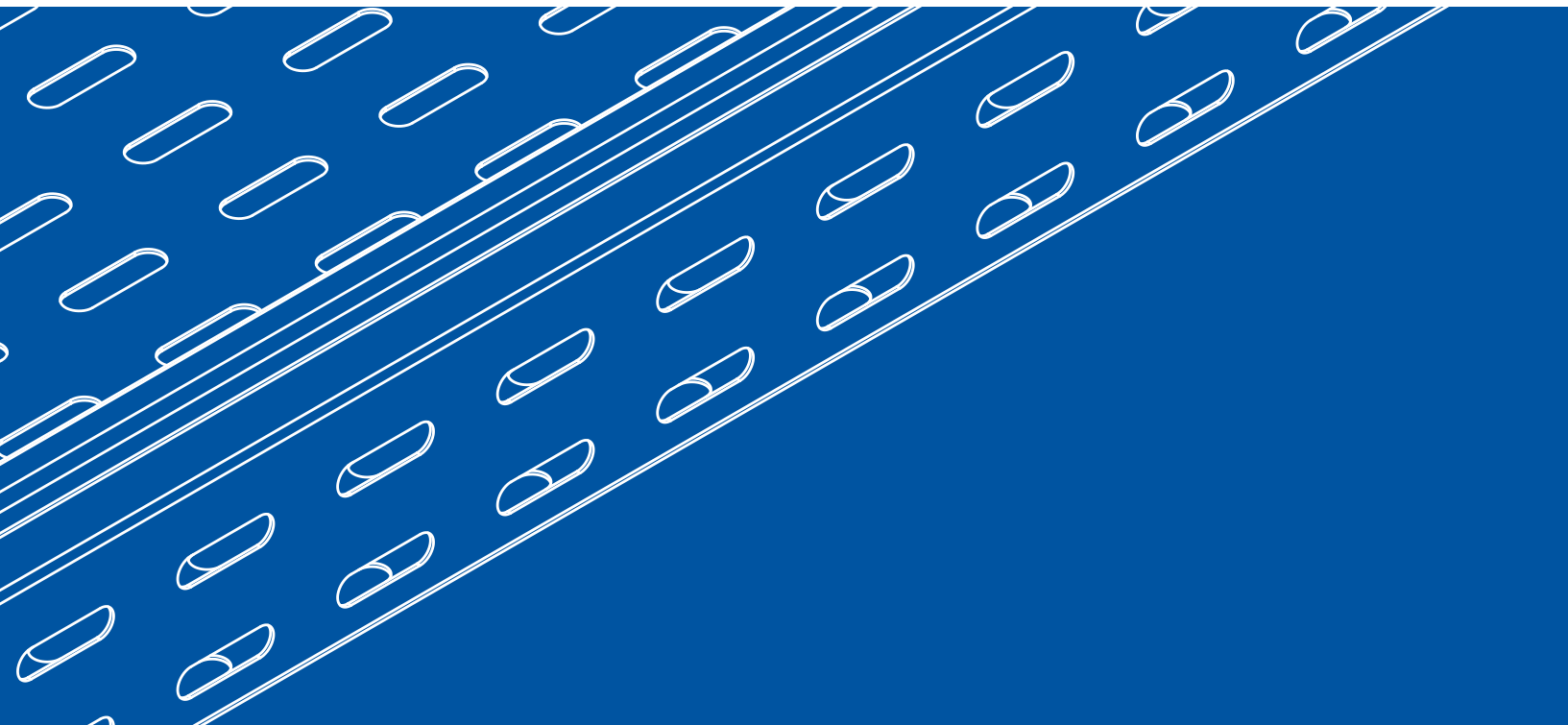


CANALI STANDARD
STANDARD CABLE TRAYS



Sistema di canalizzazione portacavi, prefabbricato componibile metallico, in diverse versioni, costruito in conformità alla norma internazionale IEC 61537, mezzo ideale per la distribuzione, protezione e supportazione dei cavi elettrici in edifici a destinazione civile, terziario ed industriale. Si passa facilmente dall'una all'altra misura con i diversi elementi di raccordo facenti parte di una vasta gamma di accessori che consentono l'installazione

del sistema anche su percorsi tortuosi in modo rapido e soprattutto senza adattamenti. Molti elementi del sistema FEMI 3, in particolare quelli rettilinei, possono essere prodotti in versioni fuori standard per spessore acciaio, dimensioni B x H, qualità del materiale, disegno e caratteristiche della perforazione e tipo di protezione superficiale. Gli extra costi di esecuzione fuori serie, normalmente, vengono comunicati a richiesta.



Prefabricated sectional metallic cable tray system, in different versions, manufactured according to the IEC 61537 international norm, ideal solution for the distribution, protection and support of the electrical cables in buildings for civil, tertiary and industrial purposes. It is easy to pass from one size to another one with the different connection elements which are part of a wide range of accessories which allow the installation of the

system even on winding routes in a rapid way and most of all without adaptations. Many elements of the FEMI 3 system, particularly the straight ones, can be produced in extra-standard versions for steel thickness, dimensions B x H, quality of the material, design and characteristics of the perforation and type of surface protection. The additional costs for the extra-standard execution are normally advised on request.

I punti di forza

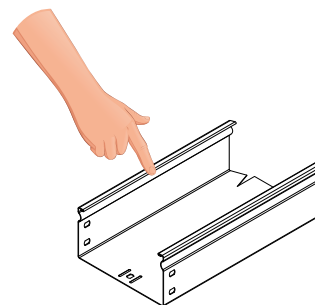
Top points

Profilo del canale

Il profilo del canale, ribordato e ripiegato su se stesso, assolve efficacemente al compito della sicurezza sul lavoro, essendo antitaglio e non permettendo quindi il contatto della mano dell'operatore con la parte terminale della lamiera. Inoltre ha elevate proprietà meccaniche in fatto di capacità di carico, promuovendo così l'ottimizzazione degli spessori e rendendo il prodotto finito più leggero e maneggevole.

Cable tray section

The flanged cable tray section, pinched on itself, is manufactured so that to satisfy efficaciously the work safety task being cut-preventing and avoiding therefore the contact of the operator hand with the final part of the sheet steel. Moreover it has high mechanical properties as to the load capacity, promoting in this way the optimization of the thickness and making the finished product lighter and easier to handle.

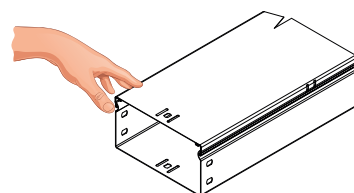


Profilo del coperchio

Il profilo del coperchio, ribordato e ripiegato su se stesso, è tale da non avere nessun tipo di bordo tagliente, elevando così al massimo la sicurezza sul lavoro in fase di installazione. La particolare sagomatura dei coperchi FEMI 3 li rende autoportanti e autobloccanti poiché si innestano a scatto sia sugli elementi rettilinei che su quelli curvi.

Cover section

The flanged cover section, pinched on itself, is manufactured so that to have no type of sharp edge, increasing in this way the work safety during the installation phase at the maximum. The particular shaping of the Femi 3 covers makes them self-supporting and self-locking as they are spring-coupled both on the straight and on the curved elements.

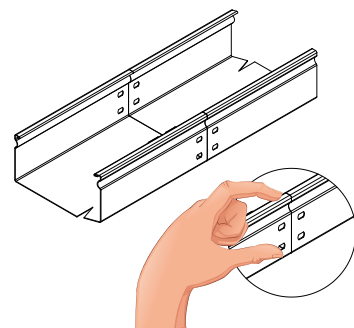


Sagoma del profilo

La sagoma del profilo, con la sua costante perfezione in ogni elemento, favorisce l'accostamento ideale fra i vari pezzi e la formazione della base per una ottimale giunzione meccanica.

Shape of the section

The shape of the section, with its constant perfection in each element, favours the ideal coupling among the various pieces and the formation of the base for an optimal mechanical connection.



I punti di forza

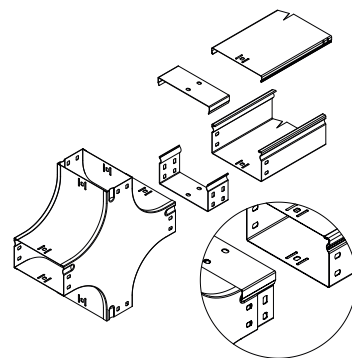
Top points

Grado di protezione IP

Nella versione forata con coperchio la serie assolve al grado di protezione IP20. Nella versione chiusa la serie assolve al grado di protezione IP40. Tutti gli accessori della gamma sono provvisti di un tratto di raccordo diritto che consente un corretto accostamento con qualsiasi altro pezzo, formando un piano adatto per la giunzione e per l'eventuale inserimento della giunzione a canotto e relativo coperchio, quando si voglia ottenere il grado di protezione IP44. In quest'ultimo caso è necessaria anche l'applicazione di una guarnizione autoadesiva (cod. A3X85...) sui punti critici d'unione.

IP protection degree

In the perforated version with cover the series satisfies the IP20 protection degree. In the closed version the series satisfies the IP40 protection degree. All the accessories of the range have a straight connection part which allows a correct coupling with any other piece, forming a plane suitable for the connection and for the possible insertion of the sleeve joint and the relative cover, whenever it is necessary to obtain the IP 44 protection degree. In this last case it is necessary to apply also a self-adhesive gasket (code A3X85...) on the connection critical points.

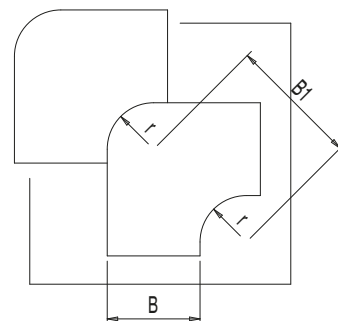


Raggi curvatura

I raggi di curvatura esterni ed interni di tutti gli elementi sono gli stessi, non concentrici, allo scopo di ottenere larghezze più ampie sulle posizioni di massima curvatura, facilitando così la posa dei cavi nei punti più difficili (raggio standard $r=100\text{mm}$).

Bending radii

The external and internal bending radii of all the elements are the same, not concentric, in order to obtain greater widths on the positions of maximum bending, making in this way the laying of cables easier in the most difficult points (standard radius $r=100\text{mm}$).

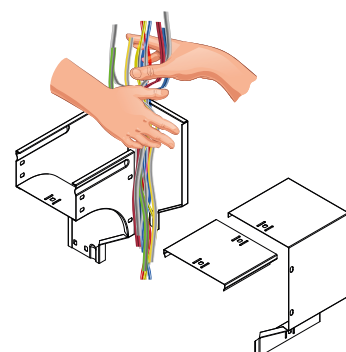


Facilità stesura cavi

Il sistema si presta ad una facile installazione e stesura dei cavi, consentendo un notevole risparmio di manodopera. Con tali obiettivi, la maggior parte dei suoi componenti è realizzata in modo da evitare il dannoso e dispendioso lavoro d'infilamento dei cavi.

Easy cable laying

The system lends itself to an easy installation and laying of cables, allowing a considerable labour saving. With these aims, most of its components are realized so that to avoid the harmful and time-wasting work of insertion of the cables.



Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Grado di protezione

Il grado di protezione, si identifica con l'indice denominato "IP". Si comprende facilmente che la protezione dei cavi all'interno della passerella si ottiene con l'utilizzo aggiuntivo del coperchio. L'accoppiamento di coperchio con passerella chiusa comporterà un grado di protezione IP 40, mentre con passerella forata un grado IP 20. Applicando a regola d'arte appositi giunti e guarnizioni (dove necessario), è possibile ottenere un grado di protezione IP 44.

Protection degree

The protection degree identifies itself with the index named "IP". It is easy to understand that the protection of cables inside the cable tray is obtained through the additional use of the cover. The coupling of cover to closed cable tray will involve an IP 40 protection degree, while to perforated cable tray an IP 20 degree. It is possible to obtain an IP 44 protection degree by applying perfectly suitable joints and gaskets (where necessary).

Definizione grado di protezione IP

Definition of the IP protection degree

La prima cifra indica il grado di protezione contro la penetrazione di corpi solidi estranei.

The first digit indicates the degree of protection against the penetration of solid foreign bodies.

La seconda cifra indica il grado di protezione contro la penetrazione di liquidi.

The second digit indicates the degree of protection against the ingress of liquids.

IP	Significato Meaning
2	Protetto contro corpi solidi superiori a 12 mm di diametro Protected against higher solid bodies to 12 mm in diameter
4	Protetto contro corpi solidi superiori a 1 mm di diametro Protected against higher solid bodies to 1 mm in diameter

IP	Significato Meaning
0	Nessuna protezione No protection
4	Protetto contro gli spruzzi d'acqua da tutte le direzioni Protected against splashing water from all directions

Imballaggio prodotti

Packaging of the products

L'imballaggio dei canali e dei coperchi è fatto in modo da ottimizzare i volumi e pertanto ogni canale viene accoppiato con un altro ruotato di 180°. Tale processo avviene in maniera automatica attraverso dei robot posizionati a valle della linea di produzione. L'imballo/ confezione viene fissato mediante reggette. Sull'unità di imballo viene applicata un'etichetta adesiva, riportante logo aziendale, codice articolo e descrizione, figura del prodotto e codice a barre EAN 13. L'imballaggio degli accessori e coperchi avviene mediante confezionamento in scatole dedicate che vengono poi disposte su bancali di legno ed avvolte in un film estensibile. Più sotto sono riportati i metri di canale e di coperchio per ogni imballo/ confezione.

Packing of cable trays and covers is made in such a way to optimise the volumes and therefore each cable tray is coupled with another one rotated by 180°. This process occurs in an automatic way by using robots positioned at the end of the production line. The package/ bundle is fastened by means of steel straps. On the packing unit an adhesive label is applied with company logo, article code and description, product drawing and EAN 13 bar code. The packing of accessories is made by using boxes which are put on wooden pallets and wrapped with an extensible film. Here below the metres of cable trays and covers for each package/ bundle are shown.



Imballo (m) / Package (m)

	Elemento rettilineo Straight element				Coperchio Cover
	L=3 m	H=50 mm	H=75 mm	H=100 mm	H=17 mm
B=050		36	-	-	36
B=075		24	24	-	24
B=100		24	24	24	24
B=150		24	24	24	24
B=200		12	12	12	12
B=300		12	12	12	12
B=400		6	6	6	6
B=500		6	6	6	6
B=600		6	6	6	6

Imballo (pz) / Package (pz)

	Elemento rettilineo Straight element				Coperchio Cover
	L=3 m	H=50 mm	H=75 mm	H=100 mm	H=17 mm
B=050		36	-	-	36
B=075		24	24	-	24
B=100		24	24	24	24
B=150		24	24	24	24
B=200		12	12	12	12
B=300		12	12	12	12
B=400		6	6	6	6
B=500		6	6	6	6
B=600		6	6	6	6

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Continuità elettrica e messa a terra

La continuità elettrica e/o il collegamento equipotenziale della parti che possono essere toccate, sono garantiti dagli elementi di giunzione indicati nel catalogo (vedasi esempi di montaggio nelle singole sezioni) e verificati, come previsto dal marchio IMQ, secondo le specifiche riportate nella normativa tecnica IEC 61537 art. 11. Le canalizzazioni metalliche possono essere utilizzate come conduttore di protezione nei limiti previsti dagli articoli CEI 64-8/5 (art. 543.2.1 e 543.2.2), purché:

- la continuità elettrica sia realizzata in modo da assicurare la protezione contro il danneggiamento meccanico, chimico o elettrochimico
- la conduttanza sia almeno uguale a quella risultante dall'applicazione di quanto indicato in art. 543.1
- sia possibile la connessione di altri conduttori di protezione nei punti predisposti per la derivazione.

In questo modo è possibile realizzare impianti rispondenti alle prescrizioni di Legge cogenti e alla norma CEI 64-8 in fatto di sicurezza.

Electrical continuity and earthing

The electrical continuity and/or equipotential connection of the parts which can be touched, are guaranteed by the connection elements shown in the catalogue (see the installation examples in the single sections) and checked, as entailed by the IMQ mark, according to the specifications detailed in the technical norm IEC 61537 art. 11. The metallic cable trays can be used as a protection conductor within the limits entailed by the articles CEI 64-8/5 (art. 543.2.1 and 543.2.2), provided that:

- *the electrical continuity is carried out so that to assure the protection against the mechanical, chemical or electrochemical damage*
- *the conductance is at least equal to the one resulting from the application of what indicated in art. 543.1*
- *it is possible to connect other protection conductors in the points fitted for the derivation.*

In this way it is possible to carry out plants according to the binding law provisions and to the norm CEI 64-8 as far as safety is concerned.

Dilatazione / contrazione termica lineare

Lo sbalzo termico che può generarsi tra il cambio stagionale, soprattutto in luoghi come gallerie o viadotti, può essere tale da generare dilatazioni/ contrazioni che compromettono la stabilità strutturale del sistema di portacavi metallici. E' consigliabile, in taluni casi obbligatoria (gallerie superiori ai 500 m), in accordo con la direzione lavori, l'applicazione ogni 150 m circa di un giunto di dilatazione. Tale articolo, normalmente, viene prodotto su richiesta e adattato alle esigenze dell'impianto.

Linear thermal expansion / contraction

The thermal stress that can arise during the seasonal change, mainly in places such as tunnels or viaducts, can be so high to produce expansions/ contractions which compromise the structural stability of the metal cable tray system. It is advisable, in some cases compulsory (tunnels longer than 500 m), in agreement with the works management, the application of an expansion splice plate every 150 m ca. This item is normally produced on request and fitted to the plant necessities.

Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

Capacità di carico, flessione e freccia

I dati più significativi di prestazione meccanica sono riportati di seguito. Da ricordare che nell'ambito delle massime e migliori prestazioni dei canali portacavi, hanno importanza anche la stabilità trasversale e la giunzione di testa fatta a regola d'arte. E' sempre e comunque buona regola, laddove possibile, mantenere la cadenza delle giunzioni a 1/5 della distanza appoggi.

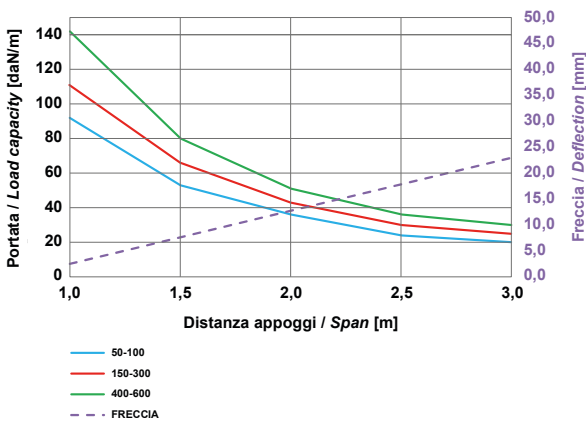
Load capacity and deflection

The most significant mechanical performance data are reported below. It should be remembered that in the context of the maximum and best performances of cable trays, transversal stability and properly made head junction are also important. It is always a good rule, where possible, to maintain the cadence of the joints at 1/5 of the distance between the supports.

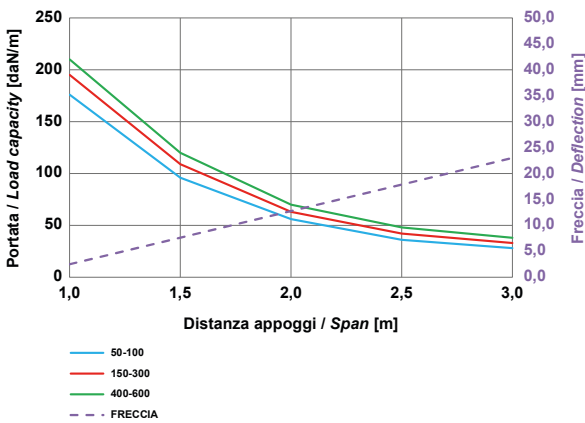
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

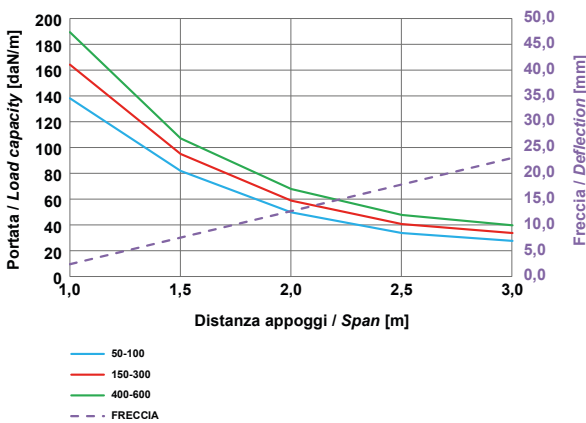
H 50mm Forato/Perforated IEC 61537



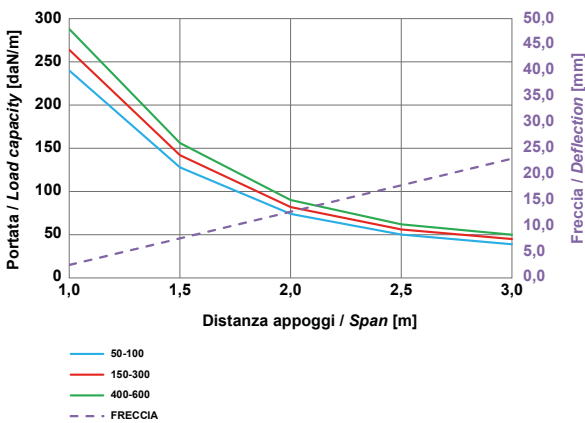
H 50mm Chiuso/Closed IEC 61537



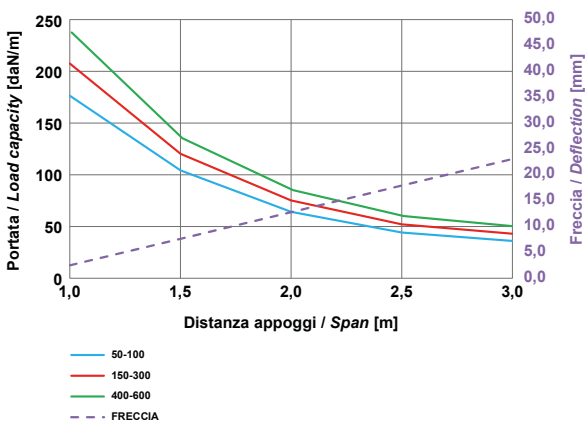
H 75mm Forato/Perforated IEC 61537



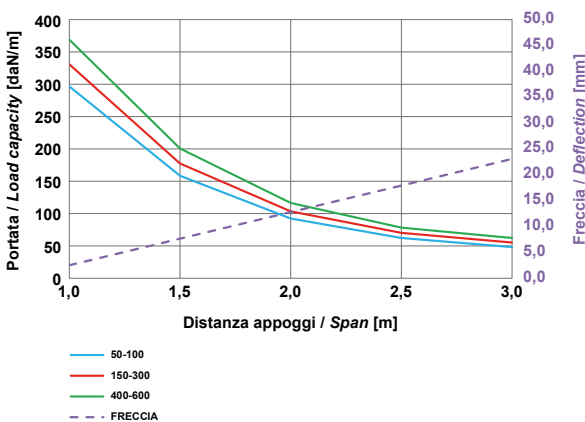
H 75mm Chiuso/Closed IEC 61537



H 100mm Forato/Perforated IEC 61537



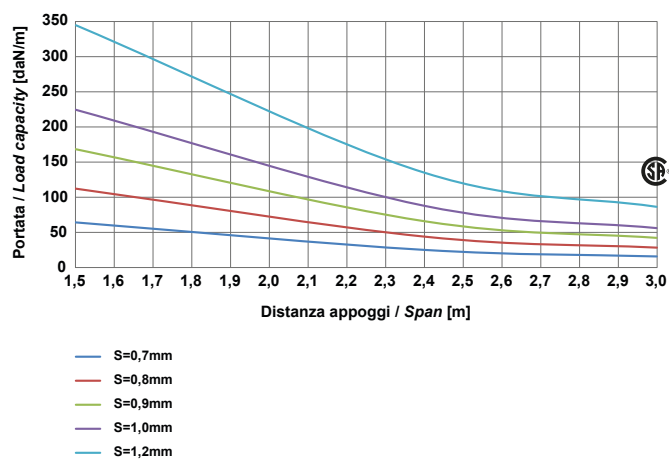
H 100mm Chiuso/Closed IEC 61537



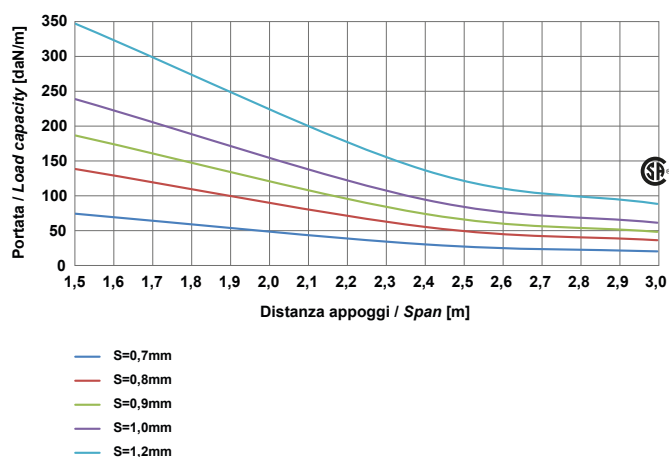
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

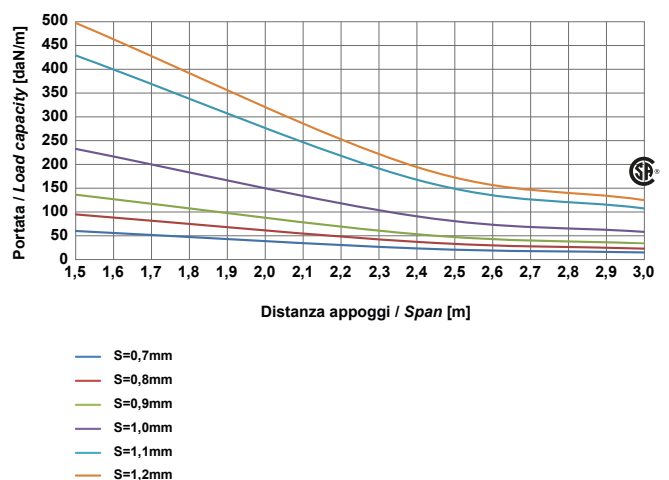
H 50mm Forato/Perfored NEMA VE-1



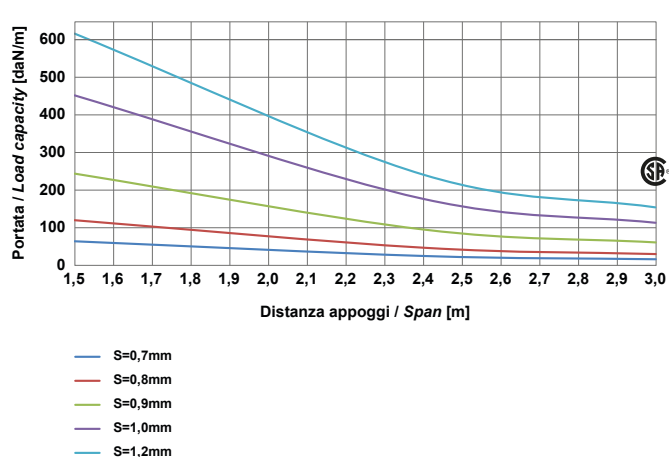
H 50mm Chiuso/Closed NEMA VE-1



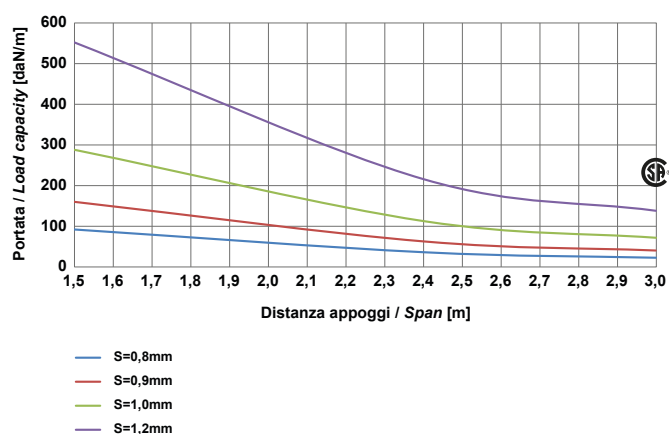
H 75mm Forato/Perfored NEMA VE-1



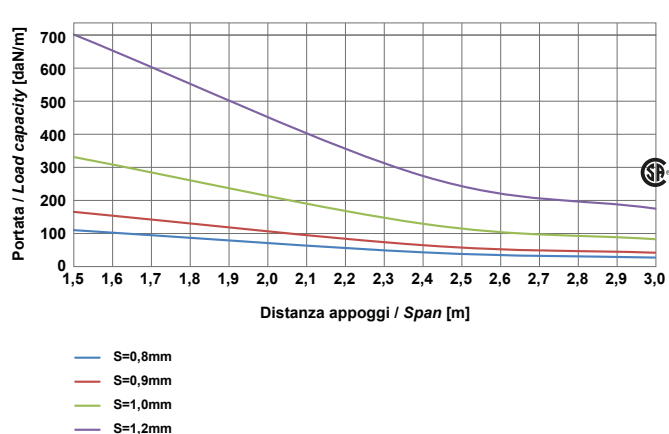
H 75mm Chiuso/Closed NEMA VE-1



H 100mm Forato/Perfored NEMA VE-1



H 100mm Chiuso/Closed NEMA VE-1



NOTE: il dato certificato è relativo a D=3,0 mt.

gli altri valori sono ottenuti tramite la formula di interpolazione prevista dalla norma NEMA VE-1

NOTE: the certified datum refers to D=3.0 m.

the other values are obtained through the interpolation formula foreseen by the NEMA VE-1 standard

Elemento rettilineo forato
Perforated straight element

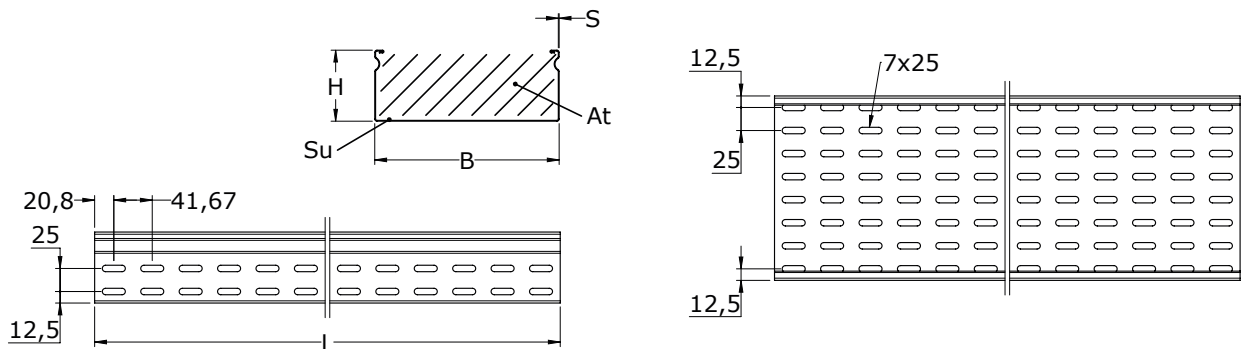


IP20 con coperchio/with cover



L=3 m

M02



B mm	H mm	At mm ²	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	κ kg/m	Su mm ²	Zincato a caldo Hot-dip galvan.	S mm	κ kg/m	Su mm ²
50	52	2500	A3S01F3B050B	A3V01F3B050B	A3I01F3B050B	0,6	0,78	108	A3Z01F3B050D	0,8	1,15	144
75	52	3750	A3S01F3B075C	A3V01F3B075C	A3I01F3B075C	0,7	1,02	144	A3Z01F3B075D	0,8	1,29	164
100	52	5000	A3S01F3B100C	A3V01F3B100C	A3I01F3B100C	0,7	1,13	161	A3Z01F3B100D	0,8	1,44	184
150	52	7500	A3S01F3B150D	A3V01F3B150D	A3I01F3B150D	0,8	1,57	224	A3Z01F3B150D	0,8	1,74	224
200	52	10000	A3S01F3B200D	A3V01F3B200D	A3I01F3B200D	0,8	1,84	264	A3Z01F3B200D	0,8	2,03	264
300	52	15000	A3S01F3B300E	A3V01F3B300E	A3I01F3B300E	0,9	2,65	387	A3Z01F3B300E	0,9	2,91	387
400	52	20000	A3S01F3B400F	A3V01F3B400F	A3I01F3B400F	1,0	3,60	530	A3Z01F3B400F	1,0	3,93	530
500	52	25000	A3S01F3B500H	A3V01F3B500H	A3I01F3B500H	1,2	5,15	756	A3Z01F3B500H	1,2	5,50	756
600	52	30000	A3S01F3B600H	A3V01F3B600H	A3I01F3B600H	1,2	5,95	876	A3Z01F3B600H	1,2	6,36	876
75	77	5625	A3S01F3C075C	A3V01F3C075C	A3I01F3C075C	0,7	1,26	179	A3Z01F3C075D	0,8	1,59	204
100	77	7500	A3S01F3C100D	A3V01F3C100D	A3I01F3C100D	0,8	1,57	224	A3Z01F3C100D	0,8	1,74	224
150	77	11250	A3S01F3C150D	A3V01F3C150D	A3I01F3C150D	0,8	1,84	264	A3Z01F3C150D	0,8	2,03	264
200	77	15000	A3S01F3C200E	A3V01F3C200E	A3I01F3C200E	0,9	2,37	342	A3Z01F3C200E	0,9	2,59	342
300	77	22500	A3S01F3C300F	A3V01F3C300F	A3I01F3C300F	1,0	3,29	480	A3Z01F3C300F	1,0	3,57	480
400	77	30000	A3S01F3C400G	A3V01F3C400G	A3I01F3C400G	1,1	4,33	638	A3Z01F3C400G	1,1	4,68	638
500	77	37500	A3S01F3C500H	A3V01F3C500H	A3I01F3C500H	1,2	5,55	816	A3Z01F3C500H	1,2	5,93	816
600	77	45000	A3S01F3C600H	A3V01F3C600H	A3I01F3C600H	1,2	6,35	936	A3Z01F3C600H	1,2	6,78	936
100	102	10000	A3S01F3D100D	A3V01F3D100D	A3I01F3D100D	0,8	1,84	264	A3Z01F3D100D	0,8	2,03	264
150	102	15000	A3S01F3D150E	A3V01F3D150E	A3I01F3D150E	0,9	2,37	342	A3Z01F3D150E	0,9	2,59	342
200	102	20000	A3S01F3D200E	A3V01F3D200E	A3I01F3D200E	0,9	2,65	387	A3Z01F3D200E	0,9	2,91	387
300	102	30000	A3S01F3D300F	A3V01F3D300F	A3I01F3D300F	1,0	3,67	530	A3Z01F3D300F	1,0	3,93	530
400	102	40000	A3S01F3D400H	A3V01F3D400H	A3I01F3D400H	1,2	5,15	756	A3Z01F3D400H	1,2	5,50	756
500	102	50000	A3S01F3D500H	A3V01F3D500H	A3I01F3D500H	1,2	5,95	876	A3Z01F3D500H	1,2	6,36	876
600	102	60000	A3S01F3D600H	A3V01F3D600H	A3I01F3D600H	1,2	6,75	996	A3Z01F3D600H	1,2	7,21	996

Elemento rettilineo chiuso

Closed straight element

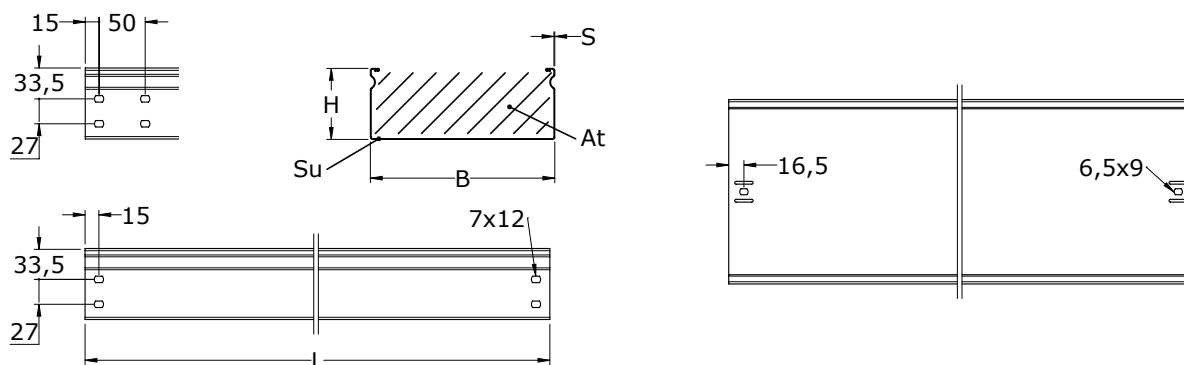


IP40 con coperchio/with cover



L=3 m

M01



B mm	H mm	At mm ²	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	κ kg/m	Su mm ²	Zincato a caldo Hot-dip galvan.	S mm	κ kg/m	Su mm ²
50	52	2500	A3S03F3B050B	A3V03F3B050B	A3I03F3B050B	0,6	0,85	108	A3Z03F3B050D	0,8	1,26	144
75	52	3750	A3S03F3B075C	A3V03F3B075C	A3I03F3B075C	0,7	1,13	144	A3Z03F3B075D	0,8	1,43	164
100	52	5000	A3S03F3B100C	A3V03F3B100C	A3I03F3B100C	0,7	1,26	161	A3Z03F3B100D	0,8	1,61	184
150	52	7500	A3S03F3B150D	A3V03F3B150D	A3I03F3B150D	0,8	1,77	224	A3Z03F3B150D	0,8	1,96	224
200	52	10000	A3S03F3B200D	A3V03F3B200D	A3I03F3B200D	0,8	2,09	264	A3Z03F3B200D	0,8	2,31	264
300	52	15000	A3S03F3B300E	A3V03F3B300E	A3I03F3B300E	0,9	3,04	387	A3Z03F3B300E	0,9	3,34	387
400	52	20000	A3S03F3B400F	A3V03F3B400F	A3I03F3B400F	1,0	4,16	530	A3Z03F3B400F	1,0	4,54	530
500	52	25000	A3S03F3B500H	A3V03F3B500H	A3I03F3B500H	1,2	5,97	756	A3Z03F3B500H	1,2	6,38	756
600	52	30000	A3S03F3B600H	A3V03F3B600H	A3I03F3B600H	1,2	6,92	876	A3Z03F3B600H	1,2	7,39	876
75	77	5625	A3S03F3C075C	A3V03F3C075C	A3I03F3C075C	0,7	1,41	179	A3Z03F3C075D	0,8	1,78	204
100	77	7500	A3S03F3C100D	A3V03F3C100D	A3I03F3C100D	0,8	1,77	224	A3Z03F3C100D	0,8	1,96	224
150	77	11250	A3S03F3C150D	A3V03F3C150D	A3I03F3C150D	0,8	2,09	264	A3Z03F3C150D	0,8	2,31	264
200	77	15000	A3S03F3C200E	A3V03F3C200E	A3I03F3C200E	0,9	2,70	342	A3Z03F3C200E	0,9	2,95	342
300	77	22500	A3S03F3C300F	A3V03F3C300F	A3I03F3C300F	1,0	3,79	480	A3Z03F3C300F	1,0	4,11	480
400	77	30000	A3S03F3C400G	A3V03F3C400G	A3I03F3C400G	1,1	5,01	638	A3Z03F3C400G	1,1	5,42	638
500	77	37500	A3S03F3C500H	A3V03F3C500H	A3I03F3C500H	1,2	6,45	816	A3Z03F3C500H	1,2	6,89	816
600	77	45000	A3S03F3C600H	A3V03F3C600H	A3I03F3C600H	1,2	7,39	936	A3Z03F3C600H	1,2	7,90	936
100	102	10000	A3S03F3D100D	A3V03F3D100D	A3I03F3D100D	0,8	2,09	264	A3Z03F3D100D	0,8	2,31	264
150	102	15000	A3S03F3D150E	A3V03F3D150E	A3I03F3D150E	0,9	2,70	342	A3Z03F3D150E	0,9	2,95	342
200	102	20000	A3S03F3D200E	A3V03F3D200E	A3I03F3D200E	0,9	3,04	387	A3Z03F3D200E	0,9	3,34	387
300	102	30000	A3S03F3D300F	A3V03F3D300F	A3I03F3D300F	1,0	4,23	530	A3Z03F3D300F	1,0	4,54	530
400	102	40000	A3S03F3D400H	A3V03F3D400H	A3I03F3D400H	1,2	5,97	756	A3Z03F3D400H	1,2	6,38	756
500	102	50000	A3S03F3D500H	A3V03F3D500H	A3I03F3D500H	1,2	6,92	876	A3Z03F3D500H	1,2	7,39	876
600	102	60000	A3S03F3D600H	A3V03F3D600H	A3I03F3D600H	1,2	7,87	996	A3Z03F3D600H	1,2	8,41	996

Elemento rettilineo forato
Perforated straight element

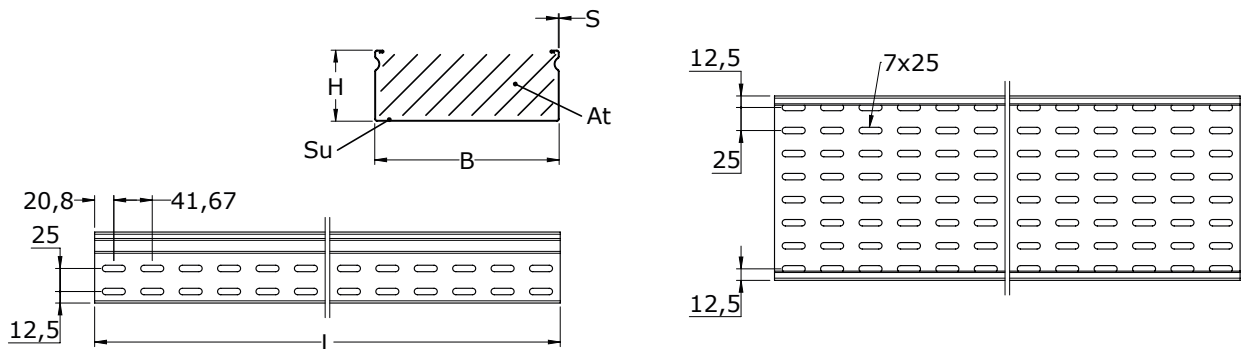


IP20 con coperchio/with cover



L=2 m

M02



B mm	H mm	At mm ²	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	κ kg/m	Su mm ²	Zincato a caldo Hot-dip galvan.	S mm	κ kg/m	Su mm ²
50	52	2500	A3S01F2B050B	A3V01F2B050B	A3I01F2B050B	0,6	0,78	108	A3Z01F2B050D	0,8	1,15	144
75	52	3750	A3S01F2B075C	A3V01F2B075C	A3I01F2B075C	0,7	1,02	144	A3Z01F2B075D	0,8	1,29	164
100	52	5000	A3S01F2B100C	A3V01F2B100C	A3I01F2B100C	0,7	1,13	161	A3Z01F2B100D	0,8	1,44	184
150	52	7500	A3S01F2B150D	A3V01F2B150D	A3I01F2B150D	0,8	1,57	224	A3Z01F2B150D	0,8	1,74	224
200	52	10000	A3S01F2B200D	A3V01F2B200D	A3I01F2B200D	0,8	1,84	264	A3Z01F2B200D	0,8	2,03	264
300	52	15000	A3S01F2B300E	A3V01F2B300E	A3I01F2B300E	0,9	2,65	387	A3Z01F2B300E	0,9	2,91	387
400	52	20000	A3S01F2B400F	A3V01F2B400F	A3I01F2B400F	1,0	3,60	530	A3Z01F2B400F	1,0	3,93	530
500	52	25000	A3S01F2B500H	A3V01F2B500H	A3I01F2B500H	1,2	5,15	756	A3Z01F2B500H	1,2	5,50	756
600	52	30000	A3S01F2B600H	A3V01F2B600H	A3I01F2B600H	1,2	5,95	876	A3Z01F2B600H	1,2	6,36	876
75	77	5625	A3S01F2C075C	A3V01F2C075C	A3I01F2C075C	0,7	1,26	179	A3Z01F2C075D	0,8	1,59	204
100	77	7500	A3S01F2C100D	A3V01F2C100D	A3I01F2C100D	0,8	1,57	224	A3Z01F2C100D	0,8	1,74	224
150	77	11250	A3S01F2C150D	A3V01F2C150D	A3I01F2C150D	0,8	1,84	264	A3Z01F2C150D	0,8	2,03	264
200	77	15000	A3S01F2C200E	A3V01F2C200E	A3I01F2C200E	0,9	2,37	342	A3Z01F2C200E	0,9	2,59	342
300	77	22500	A3S01F2C300F	A3V01F2C300F	A3I01F2C300F	1,0	3,29	480	A3Z01F2C300F	1,0	3,57	480
400	77	30000	A3S01F2C400G	A3V01F2C400G	A3I01F2C400G	1,1	4,33	638	A3Z01F2C400G	1,1	4,68	638
500	77	37500	A3S01F2C500H	A3V01F2C500H	A3I01F2C500H	1,2	5,55	816	A3Z01F2C500H	1,2	5,93	816
600	77	45000	A3S01F2C600H	A3V01F2C600H	A3I01F2C600H	1,2	6,35	936	A3Z01F2C600H	1,2	6,78	936
100	102	10000	A3S01F2D100D	A3V01F2D100D	A3I01F2D100D	0,8	1,84	264	A3Z01F2D100D	0,8	2,03	264
150	102	15000	A3S01F2D150E	A3V01F2D150E	A3I01F2D150E	0,9	2,37	342	A3Z01F2D150E	0,9	2,59	342
200	102	20000	A3S01F2D200E	A3V01F2D200E	A3I01F2D200E	0,9	2,65	387	A3Z01F2D200E	0,9	2,91	387
300	102	30000	A3S01F2D300F	A3V01F2D300F	A3I01F2D300F	1,0	3,67	530	A3Z01F2D300F	1,0	3,93	530
400	102	40000	A3S01F2D400H	A3V01F2D400H	A3I01F2D400H	1,2	5,15	756	A3Z01F2D400H	1,2	5,50	756
500	102	50000	A3S01F2D500H	A3V01F2D500H	A3I01F2D500H	1,2	5,95	876	A3Z01F2D500H	1,2	6,36	876
600	102	60000	A3S01F2D600H	A3V01F2D600H	A3I01F2D600H	1,2	6,75	996	A3Z01F2D600H	1,2	7,21	996

Elemento rettilineo chiuso

Closed straight element

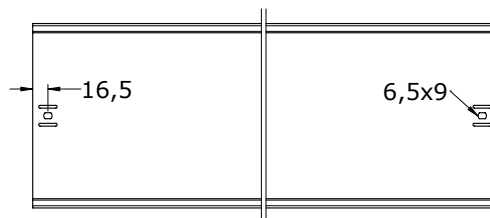
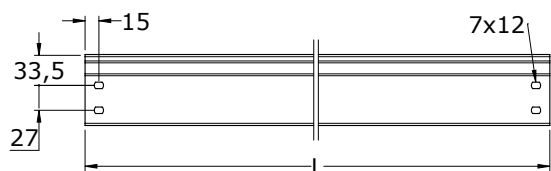
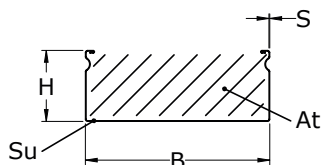
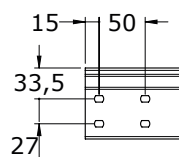


IP40 con coperchio/with cover



L=2 m

M01



B mm	H mm	At mm ²	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	κ kg/m	Su mm ²	Zincato a caldo Hot-dip galvan.	S mm	κ kg/m	Su mm ²
50	52	2500	A3S03F2B050B	A3V03F2B050B	A3I03F2B050B	0,6	0,85	108	A3Z03F2B050D	0,8	1,26	144
75	52	3750	A3S03F2B075C	A3V03F2B075C	A3I03F2B075C	0,7	1,13	144	A3Z03F2B075D	0,8	1,43	164
100	52	5000	A3S03F2B100C	A3V03F2B100C	A3I03F2B100C	0,7	1,26	161	A3Z03F2B100D	0,8	1,61	184
150	52	7500	A3S03F2B150D	A3V03F2B150D	A3I03F2B150D	0,8	1,77	224	A3Z03F2B150D	0,8	1,96	224
200	52	10000	A3S03F2B200D	A3V03F2B200D	A3I03F2B200D	0,8	2,09	264	A3Z03F2B200D	0,8	2,31	264
300	52	15000	A3S03F2B300E	A3V03F2B300E	A3I03F2B300E	0,9	3,04	387	A3Z03F2B300E	0,9	3,34	387
400	52	20000	A3S03F2B400F	A3V03F2B400F	A3I03F2B400F	1,0	4,16	530	A3Z03F2B400F	1,0	4,54	530
500	52	25000	A3S03F2B500H	A3V03F2B500H	A3I03F2B500H	1,2	5,97	756	A3Z03F2B500H	1,2	6,38	756
600	52	30000	A3S03F2B600H	A3V03F2B600H	A3I03F2B600H	1,2	6,92	876	A3Z03F2B600H	1,2	7,39	876
75	77	5625	A3S03F2C075C	A3V03F2C075C	A3I03F2C075C	0,7	1,41	179	A3Z03F2C075D	0,8	1,78	204
100	77	7500	A3S03F2C100D	A3V03F2C100D	A3I03F2C100D	0,8	1,77	224	A3Z03F2C100D	0,8	1,96	224
150	77	11250	A3S03F2C150D	A3V03F2C150D	A3I03F2C150D	0,8	2,09	264	A3Z03F2C150D	0,8	2,31	264
200	77	15000	A3S03F2C200E	A3V03F2C200E	A3I03F2C200E	0,9	2,70	342	A3Z03F2C200E	0,9	2,95	342
300	77	22500	A3S03F2C300F	A3V03F2C300F	A3I03F2C300F	1,0	3,79	480	A3Z03F2C300F	1,0	4,11	480
400	77	30000	A3S03F2C400G	A3V03F2C400G	A3I03F2C400G	1,1	5,01	638	A3Z03F2C400G	1,1	5,42	638
500	77	37500	A3S03F2C500H	A3V03F2C500H	A3I03F2C500H	1,2	6,45	816	A3Z03F2C500H	1,2	6,89	816
600	77	45000	A3S03F2C600H	A3V03F2C600H	A3I03F2C600H	1,2	7,39	936	A3Z03F2C600H	1,2	7,90	936
100	102	10000	A3S03F2D100D	A3V03F2D100D	A3I03F2D100D	0,8	2,09	264	A3Z03F2D100D	0,8	2,31	264
150	102	15000	A3S03F2D150E	A3V03F2D150E	A3I03F2D150E	0,9	2,70	342	A3Z03F2D150E	0,9	2,95	342
200	102	20000	A3S03F2D200E	A3V03F2D200E	A3I03F2D200E	0,9	3,04	387	A3Z03F2D200E	0,9	3,34	387
300	102	30000	A3S03F2D300F	A3V03F2D300F	A3I03F2D300F	1,0	4,23	530	A3Z03F2D300F	1,0	4,54	530
400	102	40000	A3S03F2D400H	A3V03F2D400H	A3I03F2D400H	1,2	5,97	756	A3Z03F2D400H	1,2	6,38	756
500	102	50000	A3S03F2D500H	A3V03F2D500H	A3I03F2D500H	1,2	6,92	876	A3Z03F2D500H	1,2	7,39	876
600	102	60000	A3S03F2D600H	A3V03F2D600H	A3I03F2D600H	1,2	7,87	996	A3Z03F2D600H	1,2	8,41	996

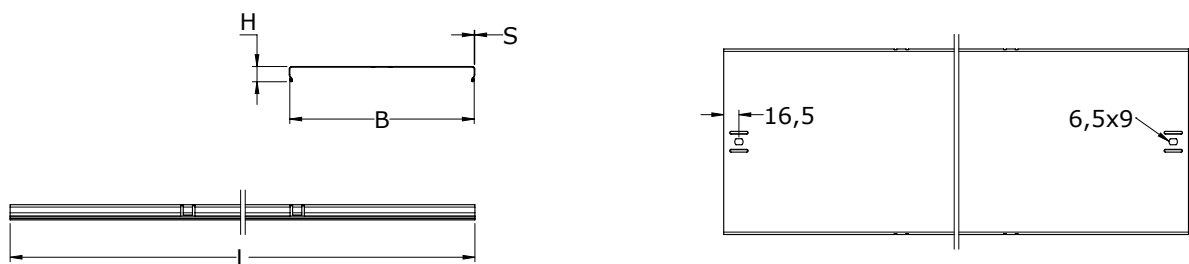
Coperchio per elemento rettilineo
Straight element cover



-

L=3 m

M02 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/m
50	17	-	-	A3S05G3R050B	A3V05G3R050B	A3I05G3R050B	0,6	0,43	A3Z05G3R050C	0,7	0,56
75	17	-	-	A3S05G3R075B	A3V05G3R075B	A3I05G3R075B	0,6	0,55	A3Z05G3R075C	0,7	0,71
100	17	-	-	A3S05G3R100B	A3V05G3R100B	A3I05G3R100B	0,6	0,67	A3Z05G3R100C	0,7	0,87
150	17	-	-	A3S05G3R150B	A3V05G3R150B	A3I05G3R150B	0,6	0,90	A3Z05G3R150C	0,7	1,18
200	17	-	-	A3S05G3R200B	A3V05G3R200B	A3I05G3R200B	0,6	1,14	A3Z05G3R200C	0,7	1,49
300	17	-	-	A3S05G3R300B	A3V05G3R300B	A3I05G3R300B	0,6	1,61	A3Z05G3R300C	0,7	2,11
400	17	-	-	A3S05G3R400B	A3V05G3R400B	A3I05G3R400B	0,6	2,09	A3Z05G3R400D	0,8	3,08
500	17	-	-	A3S05G3R500B	A3V05G3R500B	A3I05G3R500B	0,6	2,56	A3Z05G3R500D	0,8	3,77
600	17	-	-	A3S05G3R600C	A3V05G3R600C	A3I05G3R600C	0,7	3,54	A3Z05G3R600D	0,8	4,47

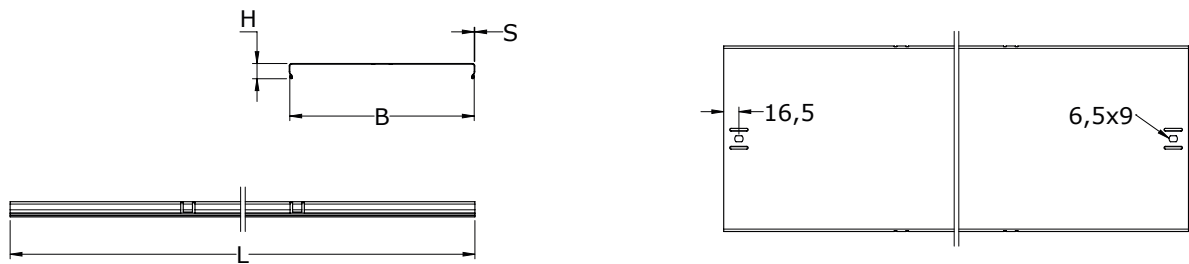
Coperchio per elemento rettilineo
Straight element cover



-

L=2 m

M02 ↗



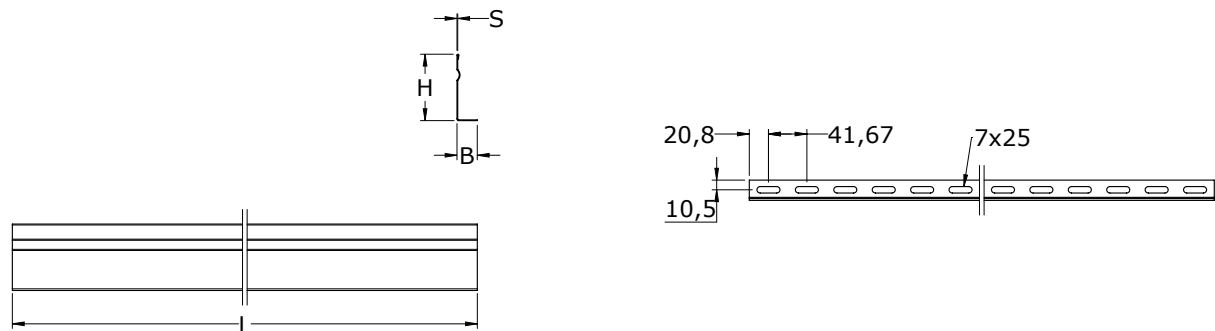
B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/m
50	17	-	-	A3S05G2R050B	A3V05G2R050B	A3I05G2R050B	0,6	0,43	A3Z05G2R050C	0,7	0,56
75	17	-	-	A3S05G2R075B	A3V05G2R075B	A3I05G2R075B	0,6	0,55	A3Z05G2R075C	0,7	0,71
100	17	-	-	A3S05G2R100B	A3V05G2R100B	A3I05G2R100B	0,6	0,67	A3Z05G2R100C	0,7	0,87
150	17	-	-	A3S05G2R150B	A3V05G2R150B	A3I05G2R150B	0,6	0,90	A3Z05G2R150C	0,7	1,18
200	17	-	-	A3S05G2R200B	A3V05G2R200B	A3I05G2R200B	0,6	1,14	A3Z05G2R200C	0,7	1,49
300	17	-	-	A3S05G2R300B	A3V05G2R300B	A3I05G2R300B	0,6	1,61	A3Z05G2R300C	0,7	2,11
400	17	-	-	A3S05G2R400B	A3V05G2R400B	A3I05G2R400B	0,6	2,09	A3Z05G2R400D	0,8	3,08
500	17	-	-	A3S05G2R500B	A3V05G2R500B	A3I05G2R500B	0,6	2,56	A3Z05G2R500D	0,8	3,77
600	17	-	-	A3S05G2R600C	A3V05G2R600C	A3I05G2R600C	0,7	3,54	A3Z05G2R600D	0,8	4,47

Separatore per elemento rettilineo
Separator for straight element



L=3 m

M01



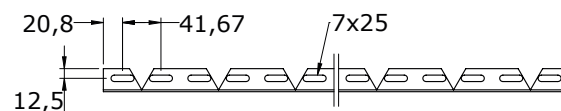
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/m	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/m
22	48	-	-	A3S50G3B025D	A3V50G3B025D	A3I50G3B025D	0,8	0,45	A3Z50G3B025D	0,8	0,50
22	74	-	-	A3S50G3C025D	A3V50G3C025D	A3I50G3C025D	0,8	0,60	A3Z50G3C025D	0,8	0,67
22	98	-	-	A3S50G3D025D	A3V50G3D025D	A3I50G3D025D	0,8	0,76	A3Z50G3D025D	0,8	0,85

Separatore per accessori orizzontali
Separator for horizontal accessories



M01

M01



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/m	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/m
27	48	-	-	A3S52D3B025D	A3V52D3B025D	A3I52D3B025D	0,8	0,51	A3Z52D3B025D	0,8	0,57
27	74	-	-	A3S52D3C025D	A3V52D3C025D	A3I52D3C025D	0,8	0,66	A3Z52D3C025D	0,8	0,74
27	98	-	-	A3S52D3D025D	A3V52D3D025D	A3I52D3D025D	0,8	0,82	A3Z52D3D025D	0,8	0,92

Curva a 90° orizzontale
90° horizontal bend

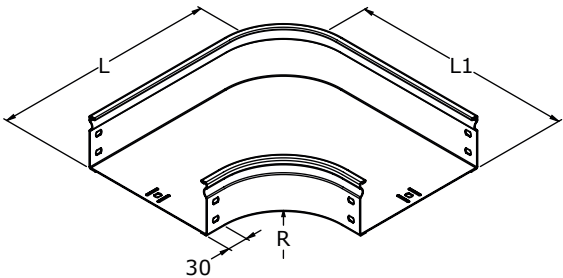
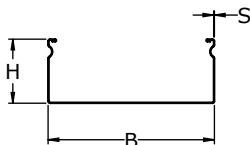


IP40 con coperchio/with cover



R=100 mm

M02



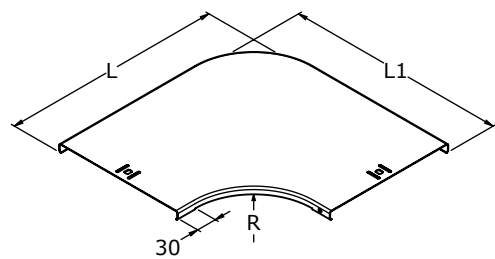
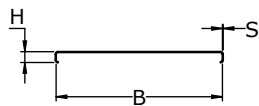
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	180	180	A3S10F1B050D	A3V10F1B050D	A3I10F1B050D	0,8	0,35	A3Z10F1B050E	0,9	0,43
75	52	205	205	A3S10F1B075D	A3V10F1B075D	A3I10F1B075D	0,8	0,44	A3Z10F1B075E	0,9	0,54
100	52	230	230	A3S10F1B100D	A3V10F1B100D	A3I10F1B100D	0,8	0,53	A3Z10F1B100E	0,9	0,66
150	52	280	280	A3S10F1B150D	A3V10F1B150D	A3I10F1B150D	0,8	0,74	A3Z10F1B150E	0,9	0,92
200	52	330	330	A3S10F1B200D	A3V10F1B200D	A3I10F1B200D	0,8	0,99	A3Z10F1B200E	0,9	1,23
300	52	430	430	A3S10F1B300D	A3V10F1B300D	A3I10F1B300D	0,8	1,55	A3Z10F1B300E	0,9	1,92
400	52	530	530	A3S10F1B400F	A3V10F1B400F	A3I10F1B400F	1,0	2,68	A3Z10F1B400F	1,0	2,92
500	52	630	630	A3S10F1B500F	A3V10F1B500F	A3I10F1B500F	1,0	3,69	A3Z10F1B500F	1,0	4,02
600	52	730	730	A3S10F1B600F	A3V10F1B600F	A3I10F1B600F	1,0	4,86	A3Z10F1B600F	1,0	5,30
75	77	205	205	A3S10F1C075D	A3V10F1C075D	A3I10F1C075D	0,8	0,53	A3Z10F1C075E	0,9	0,66
100	77	230	230	A3S10F1C100D	A3V10F1C100D	A3I10F1C100D	0,8	0,63	A3Z10F1C100E	0,9	0,78
150	77	280	280	A3S10F1C150D	A3V10F1C150D	A3I10F1C150D	0,8	0,86	A3Z10F1C150E	0,9	1,06
200	77	330	330	A3S10F1C200D	A3V10F1C200D	A3I10F1C200D	0,8	1,12	A3Z10F1C200E	0,9	1,39
300	77	430	430	A3S10F1C300D	A3V10F1C300D	A3I10F1C300D	0,8	1,72	A3Z10F1C300E	0,9	2,13
400	77	530	530	A3S10F1C400F	A3V10F1C400F	A3I10F1C400F	1,0	2,88	A3Z10F1C400F	1,0	3,14
500	77	630	630	A3S10F1C500F	A3V10F1C500F	A3I10F1C500F	1,0	3,93	A3Z10F1C500F	1,0	4,28
600	77	730	730	A3S10F1C600F	A3V10F1C600F	A3I10F1C600F	1,0	5,13	A3Z10F1C600F	1,0	5,59
100	102	230	230	A3S10F1D100D	A3V10F1D100D	A3I10F1D100D	0,8	0,74	A3Z10F1D100E	0,9	0,92
150	102	280	280	A3S10F1D150D	A3V10F1D150D	A3I10F1D150D	0,8	0,98	A3Z10F1D150E	0,9	1,21
200	102	330	330	A3S10F1D200D	A3V10F1D200D	A3I10F1D200D	0,8	1,26	A3Z10F1D200E	0,9	1,50
300	102	430	430	A3S10F1D300D	A3V10F1D300D	A3I10F1D300D	0,8	1,89	A3Z10F1D300E	0,9	2,34
400	102	530	530	A3S10F1D400F	A3V10F1D400F	A3I10F1D400F	1,0	3,08	A3Z10F1D400F	1,0	3,36
500	102	630	630	A3S10F1D500F	A3V10F1D500F	A3I10F1D500F	1,0	4,16	A3Z10F1D500F	1,0	4,53
600	102	730	730	A3S10F1D600F	A3V10F1D600F	A3I10F1D600F	1,0	5,40	A3Z10F1D600F	1,0	5,89

Coperchio per curva 90° orizzontale
90° horizontal bend cover

CE

R=100 mm

M02



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	14	180	180	A3S10G1P050D	A3V10G1P050D	A3I10G1P050D	0,8	0,15	A3Z10G1P050E	0,9	0,19
75	14	205	205	A3S10G1P075D	A3V10G1P075D	A3I10G1P075D	0,8	0,21	A3Z10G1P075E	0,9	0,26
100	14	230	230	A3S10G1P100D	A3V10G1P100D	A3I10G1P100D	0,8	0,28	A3Z10G1P100E	0,9	0,35
150	14	280	280	A3S10G1P150D	A3V10G1P150D	A3I10G1P150D	0,8	0,45	A3Z10G1P150E	0,9	0,56
200	14	330	330	A3S10G1P200D	A3V10G1P200D	A3I10G1P200D	0,8	0,65	A3Z10G1P200E	0,9	0,80
300	14	430	430	A3S10G1P300D	A3V10G1P300D	A3I10G1P300D	0,8	1,15	A3Z10G1P300E	0,9	1,42
400	14	530	530	A3S10G1P400D	A3V10G1P400D	A3I10G1P400D	0,8	1,77	A3Z10G1P400F	1,0	2,41
500	14	630	630	A3S10G1P500D	A3V10G1P500D	A3I10G1P500D	0,8	2,52	A3Z10G1P500F	1,0	3,43
600	14	730	730	A3S10G1P600D	A3V10G1P600D	A3I10G1P600D	0,8	3,40	A3Z10G1P600F	1,0	4,63

Curva a 45° orizzontale

45° horizontal bend

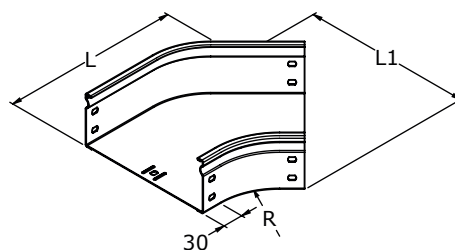
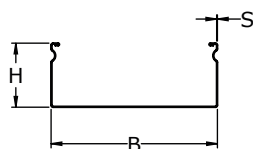


IP40 con coperchio/with cover



R=100 mm

M02

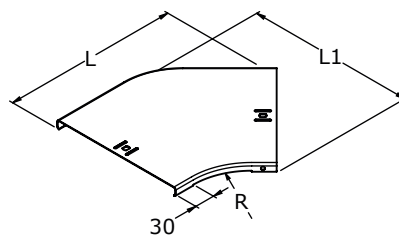


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	157	100	A3S11F1B050D	A3V11F1B050D	A3I11F1B050D	0,8	0,21	A3Z11F1B050E	0,9	0,26
75	52	174	125	A3S11F1B075D	A3V11F1B075D	A3I11F1B075D	0,8	0,25	A3Z11F1B075E	0,9	0,31
100	52	192	150	A3S11F1B100D	A3V11F1B100D	A3I11F1B100D	0,8	0,29	A3Z11F1B100E	0,9	0,36
150	52	227	200	A3S11F1B150D	A3V11F1B150D	A3I11F1B150D	0,8	0,40	A3Z11F1B150E	0,9	0,50
200	52	263	250	A3S11F1B200D	A3V11F1B200D	A3I11F1B200D	0,8	0,50	A3Z11F1B200E	0,9	0,62
300	52	333	350	A3S11F1B300D	A3V11F1B300D	A3I11F1B300D	0,8	0,77	A3Z11F1B300E	0,9	0,95
400	52	403	450	A3S11F1B400F	A3V11F1B400F	A3I11F1B400F	1,0	1,09	A3Z11F1B400F	1,0	1,18
500	52	473	550	A3S11F1B500F	A3V11F1B500F	A3I11F1B500F	1,0	1,45	A3Z11F1B500F	1,0	1,58
600	52	543	650	A3S11F1B600F	A3V11F1B600F	A3I11F1B600F	1,0	1,87	A3Z11F1B600F	1,0	2,03
75	77	174	125	A3S11F1C075D	A3V11F1C075D	A3I11F1C075D	0,8	0,30	A3Z11F1C075E	0,9	0,37
100	77	192	150	A3S11F1C100D	A3V11F1C100D	A3I11F1C100D	0,8	0,34	A3Z11F1C100E	0,9	0,42
150	77	227	200	A3S11F1C150D	A3V11F1C150D	A3I11F1C150D	0,8	0,45	A3Z11F1C150E	0,9	0,56
200	77	263	250	A3S11F1C200D	A3V11F1C200D	A3I11F1C200D	0,8	0,57	A3Z11F1C200E	0,9	0,71
300	77	333	350	A3S11F1C300D	A3V11F1C300D	A3I11F1C300D	0,8	0,85	A3Z11F1C300E	0,9	1,05
400	77	403	450	A3S11F1C400F	A3V11F1C400F	A3I11F1C400F	1,0	1,19	A3Z11F1C400F	1,0	1,29
500	77	473	550	A3S11F1C500F	A3V11F1C500F	A3I11F1C500F	1,0	1,56	A3Z11F1C500F	1,0	1,70
600	77	543	650	A3S11F1C600F	A3V11F1C600F	A3I11F1C600F	1,0	1,99	A3Z11F1C600F	1,0	2,17
100	102	192	150	A3S11F1D100D	A3V11F1D100D	A3I11F1D100D	0,8	0,40	A3Z11F1D100E	0,9	0,50
150	102	227	200	A3S11F1D150D	A3V11F1D150D	A3I11F1D150D	0,8	0,52	A3Z11F1D150E	0,9	0,64
200	102	263	250	A3S11F1D200D	A3V11F1D200D	A3I11F1D200D	0,8	0,64	A3Z11F1D200E	0,9	0,79
300	102	333	350	A3S11F1D300D	A3V11F1D300D	A3I11F1D300D	0,8	0,93	A3Z11F1D300E	0,9	1,15
400	102	403	450	A3S11F1D400F	A3V11F1D400F	A3I11F1D400F	1,0	1,29	A3Z11F1D400F	1,0	1,40
500	102	473	550	A3S11F1D500F	A3V11F1D500F	A3I11F1D500F	1,0	1,68	A3Z11F1D500F	1,0	1,83
600	102	543	650	A3S11F1D600F	A3V11F1D600F	A3I11F1D600F	1,0	2,12	A3Z11F1D600F	1,0	2,31

Coperchio per curva 45° orizzontale
45° horizontal bend cover



M02



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
50	14	157	100	A3S11G1P050D	A3V11G1P050D	A3I11G1P050D	0,8	0,07	A3Z11G1P050E	0,9	0,09
75	14	174	125	A3S11G1P075D	A3V11G1P075D	A3I11G1P075D	0,8	0,10	A3Z11G1P075E	0,9	0,13
100	14	192	150	A3S11G1P100D	A3V11G1P100D	A3I11G1P100D	0,8	0,14	A3Z11G1P100E	0,9	0,18
150	14	227	200	A3S11G1P150D	A3V11G1P150D	A3I11G1P150D	0,8	0,22	A3Z11G1P150E	0,9	0,28
200	14	263	250	A3S11G1P200D	A3V11G1P200D	A3I11G1P200D	0,8	0,31	A3Z11G1P200E	0,9	0,39
300	14	333	350	A3S11G1P300D	A3V11G1P300D	A3I11G1P300D	0,8	0,54	A3Z11G1P300E	0,9	0,67
400	14	403	450	A3S11G1P400D	A3V11G1P400D	A3I11G1P400D	0,8	0,82	A3Z11G1P400F	1,0	1,12
500	14	473	550	A3S11G1P500D	A3V11G1P500D	A3I11G1P500D	0,8	1,15	A3Z11G1P500F	1,0	1,58
600	14	543	650	A3S11G1P600D	A3V11G1P600D	A3I11G1P600D	0,8	1,53	A3Z11G1P600F	1,0	2,13

Curva a 30° orizzontale

30° horizontal bend

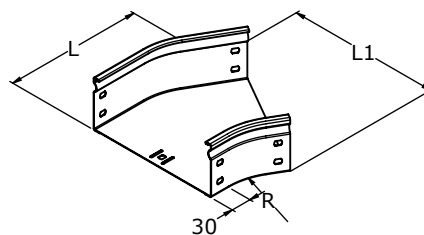
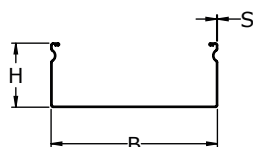


IP40 con coperchio/with cover



R=100 mm

M02

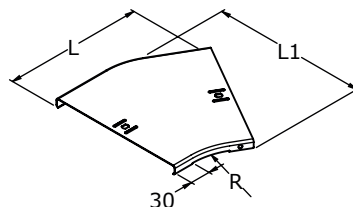


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	131	78	A3S12F1B050D	A3V12F1B050D	A3I12F1B050D	0,8	0,16	A3Z12F1B050E	0,9	0,17
75	52	143	103	A3S12F1B075D	A3V12F1B075D	A3I12F1B075D	0,8	0,19	A3Z12F1B075E	0,9	0,22
100	52	156	128	A3S12F1B100D	A3V12F1B100D	A3I12F1B100D	0,8	0,22	A3Z12F1B100E	0,9	0,25
150	52	181	178	A3S12F1B150D	A3V12F1B150D	A3I12F1B150D	0,8	0,29	A3Z12F1B150E	0,9	0,33
200	52	206	228	A3S12F1B200D	A3V12F1B200D	A3I12F1B200D	0,8	0,37	A3Z12F1B200E	0,9	0,41
300	52	256	328	A3S12F1B300D	A3V12F1B300D	A3I12F1B300D	0,8	0,55	A3Z12F1B300E	0,9	0,61
400	52	306	428	A3S12F1B400F	A3V12F1B400F	A3I12F1B400F	1,0	0,78	A3Z12F1B400F	1,0	0,85
500	52	356	528	A3S12F1B500F	A3V12F1B500F	A3I12F1B500F	1,0	1,03	A3Z12F1B500F	1,0	1,12
600	52	406	628	A3S12F1B600F	A3V12F1B600F	A3I12F1B600F	1,0	1,31	A3Z12F1B600F	1,0	1,43
75	77	143	103	A3S12F1C075D	A3V12F1C075D	A3I12F1C075D	0,8	0,23	A3Z12F1C075E	0,9	0,26
100	77	156	128	A3S12F1C100D	A3V12F1C100D	A3I12F1C100D	0,8	0,26	A3Z12F1C100E	0,9	0,30
150	77	181	178	A3S12F1C150D	A3V12F1C150D	A3I12F1C150D	0,8	0,33	A3Z12F1C150E	0,9	0,38
200	77	206	228	A3S12F1C200D	A3V12F1C200D	A3I12F1C200D	0,8	0,42	A3Z12F1C200E	0,9	0,47
300	77	256	328	A3S12F1C300D	A3V12F1C300D	A3I12F1C300D	0,8	0,61	A3Z12F1C300E	0,9	0,68
400	77	306	428	A3S12F1C400F	A3V12F1C400F	A3I12F1C400F	1,0	0,85	A3Z12F1C400F	1,0	0,93
500	77	356	528	A3S12F1C500F	A3V12F1C500F	A3I12F1C500F	1,0	1,11	A3Z12F1C500F	1,0	1,21
600	77	406	628	A3S12F1C600F	A3V12F1C600F	A3I12F1C600F	1,0	1,40	A3Z12F1C600F	1,0	1,53
100	102	156	128	A3S12F1D100D	A3V12F1D100D	A3I12F1D100D	0,8	0,32	A3Z12F1D100E	0,9	0,35
150	102	181	178	A3S12F1D150D	A3V12F1D150D	A3I12F1D150D	0,8	0,38	A3Z12F1D150E	0,9	0,41
200	102	206	228	A3S12F1D200D	A3V12F1D200D	A3I12F1D200D	0,8	0,47	A3Z12F1D200E	0,9	0,53
300	102	256	328	A3S12F1D300D	A3V12F1D300D	A3I12F1D300D	0,8	0,67	A3Z12F1D300E	0,9	0,75
400	102	306	428	A3S12F1D400F	A3V12F1D400F	A3I12F1D400F	1,0	0,92	A3Z12F1D400F	1,0	1,00
500	102	356	528	A3S12F1D500F	A3V12F1D500F	A3I12F1D500F	1,0	1,19	A3Z12F1D500F	1,0	1,30
600	102	406	628	A3S12F1D600F	A3V12F1D600F	A3I12F1D600F	1,0	1,50	A3Z12F1D600F	1,0	1,62

Coperchio per curva 30° orizzontale
30° horizontal bend cover



M02



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	14	124	75	A3S12G1P050D	A3V12G1P050D	A3I12G1P050D	0,8	0,06	A3Z12G1P050E	0,9	0,07
75	14	130	100	A3S12G1P075D	A3V12G1P075D	A3I12G1P075D	0,8	0,08	A3Z12G1P075E	0,9	0,10
100	14	136	125	A3S12G1P100D	A3V12G1P100D	A3I12G1P100D	0,8	0,11	A3Z12G1P100E	0,9	0,13
150	14	149	175	A3S12G1P150D	A3V12G1P150D	A3I12G1P150D	0,8	0,17	A3Z12G1P150E	0,9	0,20
200	14	162	225	A3S12G1P200D	A3V12G1P200D	A3I12G1P200D	0,8	0,23	A3Z12G1P200E	0,9	0,28
300	14	188	325	A3S12G1P300D	A3V12G1P300D	A3I12G1P300D	0,8	0,39	A3Z12G1P300E	0,9	0,48
400	14	214	425	A3S12G1P400D	A3V12G1P400D	A3I12G1P400D	0,8	0,59	A3Z12G1P400F	1,0	0,80
500	14	240	625	A3S12G1P500D	A3V12G1P500D	A3I12G1P500D	0,8	0,81	A3Z12G1P500F	1,0	1,11
600	14	266	725	A3S12G1P600D	A3V12G1P600D	A3I12G1P600D	0,8	1,07	A3Z12G1P600F	1,0	1,46

Derivazione a "T" orizzontale
Horizontal "T" derivation

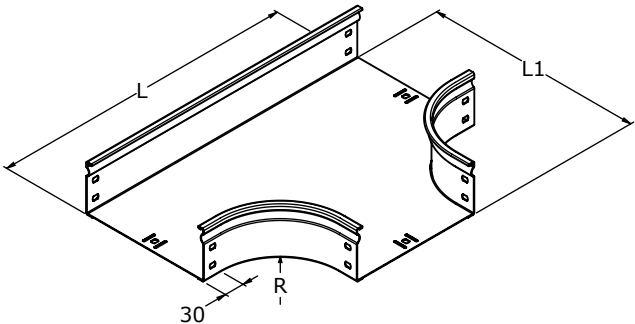
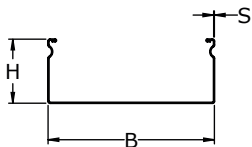


IP40 con coperchio/with cover



R=100 mm

M03



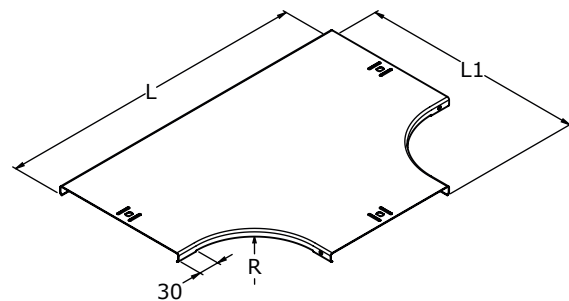
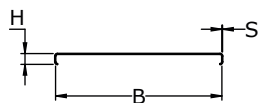
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	310	180	A3S15F1B050D	A3V15F1B050D	A3I15F1B050D	0,8	0,50	A3Z15F1B050E	0,9	0,62
75	52	335	205	A3S15F1B075D	A3V15F1B075D	A3I15F1B075D	0,8	0,59	A3Z15F1B075E	0,9	0,73
100	52	360	230	A3S15F1B100D	A3V15F1B100D	A3I15F1B100D	0,8	0,69	A3Z15F1B100E	0,9	0,84
150	52	410	280	A3S15F1B150D	A3V15F1B150D	A3I15F1B150D	0,8	0,92	A3Z15F1B150E	0,9	1,14
200	52	460	330	A3S15F1B200D	A3V15F1B200D	A3I15F1B200D	0,8	1,18	A3Z15F1B200E	0,9	1,46
300	52	560	430	A3S15F1B300D	A3V15F1B300D	A3I15F1B300D	0,8	1,79	A3Z15F1B300E	0,9	2,22
400	52	660	530	A3S15F1B400F	A3V15F1B400F	A3I15F1B400F	1,0	3,04	A3Z15F1B400F	1,0	3,31
500	52	760	630	A3S15F1B500F	A3V15F1B500F	A3I15F1B500F	1,0	4,11	A3Z15F1B500F	1,0	4,48
600	52	860	730	A3S15F1B600F	A3V15F1B600F	A3I15F1B600F	1,0	5,32	A3Z15F1B600F	1,0	5,80
75	77	335	205	A3S15F1C075D	A3V15F1C075D	A3I15F1C075D	0,8	0,71	A3Z15F1C075E	0,9	0,88
100	77	360	230	A3S15F1C100D	A3V15F1C100D	A3I15F1C100D	0,8	0,81	A3Z15F1C100E	0,9	1,00
150	77	410	280	A3S15F1C150D	A3V15F1C150D	A3I15F1C150D	0,8	1,05	A3Z15F1C150E	0,9	1,30
200	77	460	330	A3S15F1C200D	A3V15F1C200D	A3I15F1C200D	0,8	1,32	A3Z15F1C200E	0,9	1,63
300	77	560	430	A3S15F1C300D	A3V15F1C300D	A3I15F1C300D	0,8	1,95	A3Z15F1C300E	0,9	2,41
400	77	660	530	A3S15F1C400F	A3V15F1C400F	A3I15F1C400F	1,0	3,21	A3Z15F1C400F	1,0	3,50
500	77	760	630	A3S15F1C500F	A3V15F1C500F	A3I15F1C500F	1,0	4,30	A3Z15F1C500F	1,0	4,69
600	77	860	730	A3S15F1C600F	A3V15F1C600F	A3I15F1C600F	1,0	5,53	A3Z15F1C600F	1,0	6,03
100	102	360	230	A3S15F1D100D	A3V15F1D100D	A3I15F1D100D	0,8	0,95	A3Z15F1D100E	0,9	1,18
150	102	410	280	A3S15F1D150D	A3V15F1D150D	A3I15F1D150D	0,8	1,19	A3Z15F1D150E	0,9	1,47
200	102	460	330	A3S15F1D200D	A3V15F1D200D	A3I15F1D200D	0,8	1,47	A3Z15F1D200E	0,9	1,82
300	102	560	430	A3S15F1D300D	A3V15F1D300D	A3I15F1D300D	0,8	2,11	A3Z15F1D300E	0,9	2,61
400	102	660	530	A3S15F1D400F	A3V15F1D400F	A3I15F1D400F	1,0	3,58	A3Z15F1D400F	1,0	3,90
500	102	760	630	A3S15F1D500F	A3V15F1D500F	A3I15F1D500F	1,0	4,49	A3Z15F1D500F	1,0	4,89
600	102	860	730	A3S15F1D600F	A3V15F1D600F	A3I15F1D600F	1,0	5,75	A3Z15F1D600F	1,0	6,27

Coperchio per derivazione a "T" orizzontale
Horizontal "T" derivation cover

CE

R=100 mm

M03



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	14	310	180	A3S15G1P050D	A3V15G1P050D	A3I15G1P050D	0,8	0,24	A3Z15G1P050E	0,9	0,30
75	14	335	205	A3S15G1P075D	A3V15G1P075D	A3I15G1P075D	0,8	0,32	A3Z15G1P075E	0,9	0,40
100	14	360	230	A3S15G1P100D	A3V15G1P100D	A3I15G1P100D	0,8	0,41	A3Z15G1P100E	0,9	0,51
150	14	410	280	A3S15G1P150D	A3V15G1P150D	A3I15G1P150D	0,8	0,62	A3Z15G1P150E	0,9	0,77
200	14	460	330	A3S15G1P200D	A3V15G1P200D	A3I15G1P200D	0,8	0,86	A3Z15G1P200E	0,9	1,06
300	14	560	430	A3S15G1P300D	A3V15G1P300D	A3I15G1P300D	0,8	1,43	A3Z15G1P300E	0,9	1,77
400	14	660	530	A3S15G1P400D	A3V15G1P400D	A3I15G1P400D	0,8	2,12	A3Z15G1P400F	1,0	2,89
500	14	760	630	A3S15G1P500D	A3V15G1P500D	A3I15G1P500D	0,8	2,95	A3Z15G1P500F	1,0	4,02
600	14	860	730	A3S15G1P600D	A3V15G1P600D	A3I15G1P600D	0,8	3,90	A3Z15G1P600F	1,0	5,31

Derivazione a "X" orizzontale
Horizontal "X" derivation



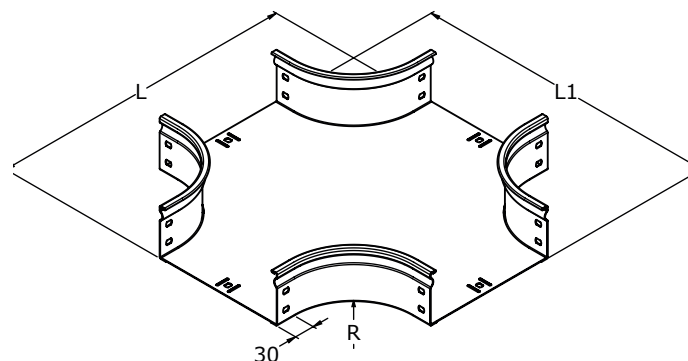
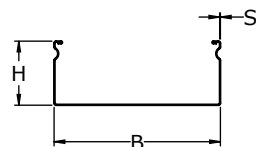
IP40 con coperchio/with cover



R=100 mm

M04





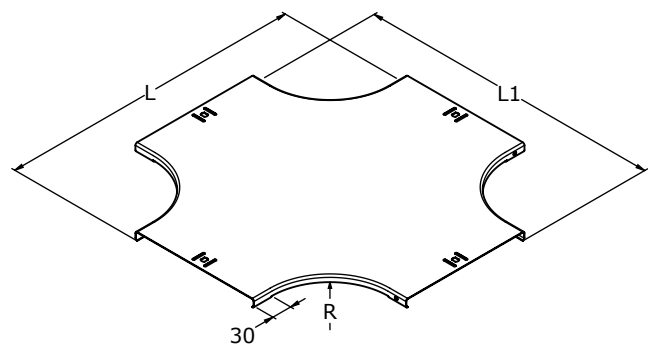
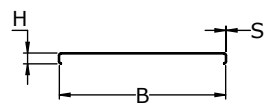
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	310	310	A3S17F1B050D	A3V17F1B050D	A3I17F1B050D	0,8	0,61	A3Z17F1B050E	0,9	0,75
75	52	335	335	A3S17F1B075D	A3V17F1B075D	A3I17F1B075D	0,8	0,71	A3Z17F1B075E	0,9	0,88
100	52	360	360	A3S17F1B100D	A3V17F1B100D	A3I17F1B100D	0,8	0,82	A3Z17F1B100E	0,9	1,01
150	52	410	410	A3S17F1B150D	A3V17F1B150D	A3I17F1B150D	0,8	1,06	A3Z17F1B150E	0,9	1,31
200	52	460	460	A3S17F1B200D	A3V17F1B200D	A3I17F1B200D	0,8	1,34	A3Z17F1B200E	0,9	1,66
300	52	560	560	A3S17F1B300D	A3V17F1B300D	A3I17F1B300D	0,8	1,98	A3Z17F1B300E	0,9	2,45
400	52	660	660	A3S17F1B400F	A3V17F1B400F	A3I17F1B400F	1,0	3,35	A3Z17F1B400F	1,0	3,65
500	52	760	760	A3S17F1B500F	A3V17F1B500F	A3I17F1B500F	1,0	4,48	A3Z17F1B500F	1,0	4,88
600	52	860	860	A3S17F1B600F	A3V17F1B600F	A3I17F1B600F	1,0	5,76	A3Z17F1B600F	1,0	6,28
75	77	335	335	A3S17F1C075D	A3V17F1C075D	A3I17F1C075D	0,8	0,83	A3Z17F1C075E	0,9	1,03
100	77	360	360	A3S17F1C100D	A3V17F1C100D	A3I17F1C100D	0,8	0,94	A3Z17F1C100E	0,9	1,15
150	77	410	410	A3S17F1C150D	A3V17F1C150D	A3I17F1C150D	0,8	1,18	A3Z17F1C150E	0,9	1,46
200	77	460	460	A3S17F1C200D	A3V17F1C200D	A3I17F1C200D	0,8	1,46	A3Z17F1C200E	0,9	1,81
300	77	560	560	A3S17F1C300D	A3V17F1C300D	A3I17F1C300D	0,8	2,10	A3Z17F1C300E	0,9	2,60
400	77	660	660	A3S17F1C400F	A3V17F1C400F	A3I17F1C400F	1,0	3,47	A3Z17F1C400F	1,0	3,78
500	77	760	760	A3S17F1C500F	A3V17F1C500F	A3I17F1C500F	1,0	4,60	A3Z17F1C500F	1,0	5,01
600	77	860	860	A3S17F1C600F	A3V17F1C600F	A3I17F1C600F	1,0	5,88	A3Z17F1C600F	1,0	6,41
100	102	360	360	A3S17F1D100D	A3V17F1D100D	A3I17F1D100D	0,8	1,10	A3Z17F1D100E	0,9	1,36
150	102	410	410	A3S17F1D150D	A3V17F1D150D	A3I17F1D150D	0,8	1,34	A3Z17F1D150E	0,9	1,66
200	102	460	460	A3S17F1D200D	A3V17F1D200D	A3I17F1D200D	0,8	1,62	A3Z17F1D200E	0,9	2,00
300	102	560	560	A3S17F1D300D	A3V17F1D300D	A3I17F1D300D	0,8	2,26	A3Z17F1D300E	0,9	2,80
400	102	660	660	A3S17F1D400F	A3V17F1D400F	A3I17F1D400F	1,0	3,63	A3Z17F1D400F	1,0	3,96
500	102	760	760	A3S17F1D500F	A3V17F1D500F	A3I17F1D500F	1,0	4,76	A3Z17F1D500F	1,0	5,19
600	102	860	860	A3S17F1D600F	A3V17F1D600F	A3I17F1D600F	1,0	6,04	A3Z17F1D600F	1,0	6,58

Coperchio per derivazione a "X" orizzontale
Horizontal "X" derivation cover

CE

R=100 mm

M04



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	14	310	310	A3S17G1P050D	A3V17G1P050D	A3I17G1P050D	0,8	0,33	A3Z17G1P050E	0,9	0,41
75	14	335	335	A3S17G1P075D	A3V17G1P075D	A3I17G1P075D	0,8	0,43	A3Z17G1P075E	0,9	0,53
100	14	360	360	A3S17G1P100D	A3V17G1P100D	A3I17G1P100D	0,8	0,54	A3Z17G1P100E	0,9	0,67
150	14	410	410	A3S17G1P150D	A3V17G1P150D	A3I17G1P150D	0,8	0,78	A3Z17G1P150E	0,9	0,97
200	14	460	460	A3S17G1P200D	A3V17G1P200D	A3I17G1P200D	0,8	1,06	A3Z17G1P200E	0,9	1,31
300	14	560	560	A3S17G1P300D	A3V17G1P300D	A3I17G1P300D	0,8	1,70	A3Z17G1P300E	0,9	2,10
400	14	660	660	A3S17G1P400D	A3V17G1P400D	A3I17G1P400D	0,8	2,47	A3Z17G1P400F	1,0	3,37
500	14	760	760	A3S17G1P500D	A3V17G1P500D	A3I17G1P500D	0,8	3,37	A3Z17G1P500F	1,0	4,59
600	14	860	860	A3S17G1P600D	A3V17G1P600D	A3I17G1P600D	0,8	4,39	A3Z17G1P600F	1,0	5,98

Curva a 90° verso l'alto
90° vertical inside bend



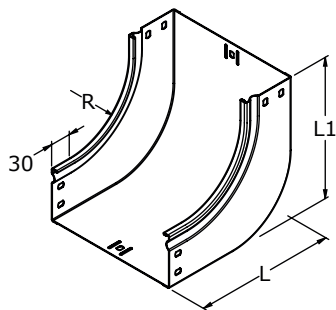
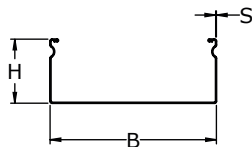
IP40 con coperchio/with cover



R=100 mm

M05



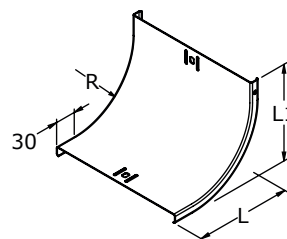


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	180	180	A3S30F1B050D	A3V30F1B050D	A3I30F1B050D	0,8	0,40	A3Z30F1B050E	0,9	0,50
75	52	180	180	A3S30F1B075D	A3V30F1B075D	A3I30F1B075D	0,8	0,45	A3Z30F1B075E	0,9	0,56
100	52	180	180	A3S30F1B100D	A3V30F1B100D	A3I30F1B100D	0,8	0,50	A3Z30F1B100E	0,9	0,62
150	52	180	180	A3S30F1B150D	A3V30F1B150D	A3I30F1B150D	0,8	0,60	A3Z30F1B150E	0,9	0,74
200	52	180	180	A3S30F1B200D	A3V30F1B200D	A3I30F1B200D	0,8	0,70	A3Z30F1B200E	0,9	0,87
300	52	180	180	A3S30F1B300D	A3V30F1B300D	A3I30F1B300D	0,8	0,90	A3Z30F1B300E	0,9	1,11
400	52	180	180	A3S30F1B400F	A3V30F1B400F	A3I30F1B400F	1,0	1,30	A3Z30F1B400F	1,0	1,42
500	52	180	180	A3S30F1B500F	A3V30F1B500F	A3I30F1B500F	1,0	1,55	A3Z30F1B500F	1,0	1,69
600	52	180	180	A3S30F1B600F	A3V30F1B600F	A3I30F1B600F	1,0	1,80	A3Z30F1B600F	1,0	1,96
75	77	205	205	A3S30F1C075D	A3V30F1C075D	A3I30F1C075D	0,8	0,61	A3Z30F1C075E	0,9	0,75
100	77	205	205	A3S30F1C100D	A3V30F1C100D	A3I30F1C100D	0,8	0,67	A3Z30F1C100E	0,9	0,83
150	77	205	205	A3S30F1C150D	A3V30F1C150D	A3I30F1C150D	0,8	0,79	A3Z30F1C150E	0,9	0,98
200	77	205	205	A3S30F1C200D	A3V30F1C200D	A3I30F1C200D	0,8	0,90	A3Z30F1C200E	0,9	1,11
300	77	205	205	A3S30F1C300D	A3V30F1C300D	A3I30F1C300D	0,8	1,14	A3Z30F1C300E	0,9	1,41
400	77	205	205	A3S30F1C400F	A3V30F1C400F	A3I30F1C400F	1,0	1,61	A3Z30F1C400F	1,0	1,75
500	77	205	205	A3S30F1C500F	A3V30F1C500F	A3I30F1C500F	1,0	1,90	A3Z30F1C500F	1,0	2,07
600	77	205	205	A3S30F1C600F	A3V30F1C600F	A3I30F1C600F	1,0	2,19	A3Z30F1C600F	1,0	2,39
100	102	230	230	A3S30F1D100D	A3V30F1D100D	A3I30F1D100D	0,8	0,85	A3Z30F1D100E	0,9	1,05
150	102	230	230	A3S30F1D150D	A3V30F1D150D	A3I30F1D150D	0,8	0,99	A3Z30F1D150E	0,9	1,23
200	102	230	230	A3S30F1D200D	A3V30F1D200D	A3I30F1D200D	0,8	1,12	A3Z30F1D200E	0,9	1,39
300	102	230	230	A3S30F1D300D	A3V30F1D300D	A3I30F1D300D	0,8	1,39	A3Z30F1D300E	0,9	1,72
400	102	230	230	A3S30F1D400F	A3V30F1D400F	A3I30F1D400F	1,0	1,92	A3Z30F1D400F	1,0	2,09
500	102	230	230	A3S30F1D500F	A3V30F1D500F	A3I30F1D500F	1,0	2,25	A3Z30F1D500F	1,0	2,45
600	102	230	230	A3S30F1D600F	A3V30F1D600F	A3I30F1D600F	1,0	2,59	A3Z30F1D600F	1,0	2,82

Coperchio per curva a 90° verso l'alto
90° vertical inside bend cover



M05



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
50	14	130	130	A3S30G1P050D	A3V30G1P050D	A3I30G1P050D	0,8	0,10	A3Z30G1P050E	0,9	0,12
75	14	130	130	A3S30G1P075D	A3V30G1P075D	A3I30G1P075D	0,8	0,14	A3Z30G1P075E	0,9	0,17
100	14	130	130	A3S30G1P100D	A3V30G1P100D	A3I30G1P100D	0,8	0,17	A3Z30G1P100E	0,9	0,21
150	14	130	130	A3S30G1P150D	A3V30G1P150D	A3I30G1P150D	0,8	0,24	A3Z30G1P150E	0,9	0,30
200	14	130	130	A3S30G1P200D	A3V30G1P200D	A3I30G1P200D	0,8	0,31	A3Z30G1P200E	0,9	0,38
300	14	130	130	A3S30G1P300D	A3V30G1P300D	A3I30G1P300D	0,8	0,44	A3Z30G1P300E	0,9	0,54
400	14	130	130	A3S30G1P400D	A3V30G1P400D	A3I30G1P400D	0,8	0,58	A3Z30G1P400F	1,0	0,79
500	14	130	130	A3S30G1P500D	A3V30G1P500D	A3I30G1P500D	0,8	0,71	A3Z30G1P500F	1,0	0,97
600	14	130	130	A3S30G1P600D	A3V30G1P600D	A3I30G1P600D	0,8	0,85	A3Z30G1P600F	1,0	1,16

Curva a 45° verso l'alto 45° vertical inside bend

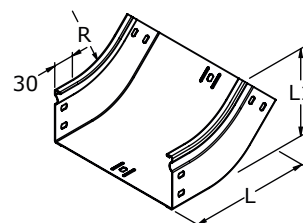
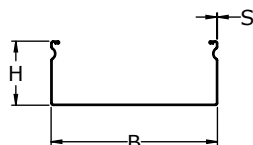


IP40 con coperchio/with cover



R=100 mm

M06

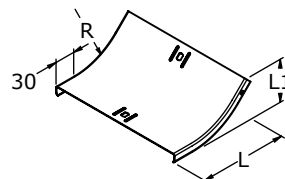


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	157	102	A3S31F1B050D	A3V31F1B050D	A3I31F1B050D	0,8	0,21	A3Z31F1B050E	0,9	0,26
75	52	157	102	A3S31F1B075D	A3V31F1B075D	A3I31F1B075D	0,8	0,24	A3Z31F1B075E	0,9	0,30
100	52	157	102	A3S31F1B100D	A3V31F1B100D	A3I31F1B100D	0,8	0,27	A3Z31F1B100E	0,9	0,33
150	52	157	102	A3S31F1B150D	A3V31F1B150D	A3I31F1B150D	0,8	0,33	A3Z31F1B150E	0,9	0,41
200	52	157	102	A3S31F1B200D	A3V31F1B200D	A3I31F1B200D	0,8	0,39	A3Z31F1B200E	0,9	0,48
300	52	157	102	A3S31F1B300D	A3V31F1B300D	A3I31F1B300D	0,8	0,50	A3Z31F1B300E	0,9	0,62
400	52	157	102	A3S31F1B400F	A3V31F1B400F	A3I31F1B400F	1,0	0,72	A3Z31F1B400F	1,0	0,78
500	52	157	102	A3S31F1B500F	A3V31F1B500F	A3I31F1B500F	1,0	0,87	A3Z31F1B500F	1,0	0,95
600	52	157	102	A3S31F1B600F	A3V31F1B600F	A3I31F1B600F	1,0	1,01	A3Z31F1B600F	1,0	1,10
75	77	177	129	A3S31F1C075D	A3V31F1C075D	A3I31F1C075D	0,8	0,32	A3Z31F1C075E	0,9	0,40
100	77	177	129	A3S31F1C100D	A3V31F1C100D	A3I31F1C100D	0,8	0,36	A3Z31F1C100E	0,9	0,45
150	77	177	129	A3S31F1C150D	A3V31F1C150D	A3I31F1C150D	0,8	0,42	A3Z31F1C150E	0,9	0,52
200	77	177	129	A3S31F1C200D	A3V31F1C200D	A3I31F1C200D	0,8	0,48	A3Z31F1C200E	0,9	0,59
300	77	177	129	A3S31F1C300D	A3V31F1C300D	A3I31F1C300D	0,8	0,61	A3Z31F1C300E	0,9	0,75
400	77	177	129	A3S31F1C400F	A3V31F1C400F	A3I31F1C400F	1,0	0,86	A3Z31F1C400F	1,0	0,94
500	77	177	129	A3S31F1C500F	A3V31F1C500F	A3I31F1C500F	1,0	1,02	A3Z31F1C500F	1,0	1,17
600	77	177	129	A3S31F1C600F	A3V31F1C600F	A3I31F1C600F	1,0	1,18	A3Z31F1C600F	1,0	1,29
100	102	197	156	A3S31F1D100D	A3V31F1D100D	A3I31F1D100D	0,8	0,44	A3Z31F1D100E	0,9	0,54
150	102	197	156	A3S31F1D150D	A3V31F1D150D	A3I31F1D150D	0,8	0,51	A3Z31F1D150E	0,9	0,63
200	102	197	156	A3S31F1D200D	A3V31F1D200D	A3I31F1D200D	0,8	0,58	A3Z31F1D200E	0,9	0,72
300	102	197	156	A3S31F1D300D	A3V31F1D300D	A3I31F1D300D	0,8	0,72	A3Z31F1D300E	0,9	0,89
400	102	197	156	A3S31F1D400F	A3V31F1D400F	A3I31F1D400F	1,0	1,00	A3Z31F1D400F	1,0	1,09
500	102	197	156	A3S31F1D500F	A3V31F1D500F	A3I31F1D500F	1,0	1,18	A3Z31F1D500F	1,0	1,29
600	102	197	156	A3S31F1D600F	A3V31F1D600F	A3I31F1D600F	1,0	1,35	A3Z31F1D600F	1,0	1,47

Coperchio per curva a 45° verso l'alto
45° vertical inside bend cover



M06



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
50	14	122	51	A3S31G1P050D	A3V31G1P050D	A3I31G1P050D	0,8	0,07	A3Z31G1P050E	0,9	0,09
75	14	122	51	A3S31G1P075D	A3V31G1P075D	A3I31G1P075D	0,8	0,09	A3Z31G1P075E	0,9	0,11
100	14	122	51	A3S31G1P100D	A3V31G1P100D	A3I31G1P100D	0,8	0,11	A3Z31G1P100E	0,9	0,13
150	14	122	51	A3S31G1P150D	A3V31G1P150D	A3I31G1P150D	0,8	0,15	A3Z31G1P150E	0,9	0,19
200	14	122	51	A3S31G1P200D	A3V31G1P200D	A3I31G1P200D	0,8	0,20	A3Z31G1P200E	0,9	0,25
300	14	122	51	A3S31G1P300D	A3V31G1P300D	A3I31G1P300D	0,8	0,28	A3Z31G1P300E	0,9	0,35
400	14	122	51	A3S31G1P400D	A3V31G1P400D	A3I31G1P400D	0,8	0,37	A3Z31G1P400F	1,0	0,50
500	14	122	51	A3S31G1P500D	A3V31G1P500D	A3I31G1P500D	0,8	0,46	A3Z31G1P500F	1,0	0,63
600	14	122	51	A3S31G1P600D	A3V31G1P600D	A3I31G1P600D	0,8	0,55	A3Z31G1P600F	1,0	0,75

Curva a 30° verso l'alto 30° vertical inside bend

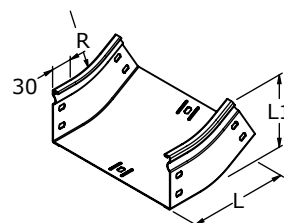
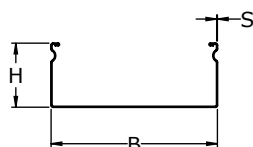


IP40 con coperchio/with cover



R=100 mm

M07

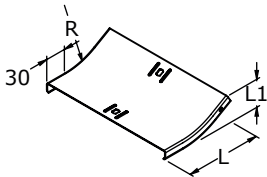
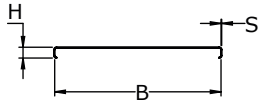


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	131	78	A3S32F1B050D	A3V32F1B050D	A3I32F1B050D	0,8	0,17	A3Z32F1B050E	0,9	0,21
75	52	131	78	A3S32F1B075D	A3V32F1B075D	A3I32F1B075D	0,8	0,20	A3Z32F1B075E	0,9	0,24
100	52	131	78	A3S32F1B100D	A3V32F1B100D	A3I32F1B100D	0,8	0,23	A3Z32F1B100E	0,9	0,27
150	52	131	78	A3S32F1B150D	A3V32F1B150D	A3I32F1B150D	0,8	0,27	A3Z32F1B150E	0,9	0,33
200	52	131	78	A3S32F1B200D	A3V32F1B200D	A3I32F1B200D	0,8	0,32	A3Z32F1B200E	0,9	0,39
300	52	131	78	A3S32F1B300D	A3V32F1B300D	A3I32F1B300D	0,8	0,41	A3Z32F1B300E	0,9	0,51
400	52	131	78	A3S32F1B400F	A3V32F1B400F	A3I32F1B400F	1,0	0,64	A3Z32F1B400F	1,0	0,70
500	52	131	78	A3S32F1B500F	A3V32F1B500F	A3I32F1B500F	1,0	0,76	A3Z32F1B500F	1,0	0,83
600	52	131	78	A3S32F1B600F	A3V32F1B600F	A3I32F1B600F	1,0	0,88	A3Z32F1B600F	1,0	0,96
75	77	143	103	A3S32F1C075D	A3V32F1C075D	A3I32F1C075D	0,8	0,23	A3Z32F1C075E	0,9	0,29
100	77	143	103	A3S32F1C100D	A3V32F1C100D	A3I32F1C100D	0,8	0,26	A3Z32F1C100E	0,9	0,32
150	77	143	103	A3S32F1C150D	A3V32F1C150D	A3I32F1C150D	0,8	0,30	A3Z32F1C150E	0,9	0,38
200	77	143	103	A3S32F1C200D	A3V32F1C200D	A3I32F1C200D	0,8	0,35	A3Z32F1C200E	0,9	0,44
300	77	143	103	A3S32F1C300D	A3V32F1C300D	A3I32F1C300D	0,8	0,45	A3Z32F1C300E	0,9	0,55
400	77	143	103	A3S32F1C400F	A3V32F1C400F	A3I32F1C400F	1,0	0,68	A3Z32F1C400F	1,0	0,75
500	77	143	103	A3S32F1C500F	A3V32F1C500F	A3I32F1C500F	1,0	0,80	A3Z32F1C500F	1,0	0,87
600	77	143	103	A3S32F1C600F	A3V32F1C600F	A3I32F1C600F	1,0	0,92	A3Z32F1C600F	1,0	1,00
100	102	156	128	A3S32F1D100D	A3V32F1D100D	A3I32F1D100D	0,8	0,29	A3Z32F1D100E	0,9	0,36
150	102	156	128	A3S32F1D150D	A3V32F1D150D	A3I32F1D150D	0,8	0,34	A3Z32F1D150E	0,9	0,41
200	102	156	128	A3S32F1D200D	A3V32F1D200D	A3I32F1D200D	0,8	0,38	A3Z32F1D200E	0,9	0,47
300	102	156	128	A3S32F1D300D	A3V32F1D300D	A3I32F1D300D	0,8	0,48	A3Z32F1D300E	0,9	0,60
400	102	156	128	A3S32F1D400F	A3V32F1D400F	A3I32F1D400F	1,0	0,72	A3Z32F1D400F	1,0	0,79
500	102	156	128	A3S32F1D500F	A3V32F1D500F	A3I32F1D500F	1,0	0,84	A3Z32F1D500F	1,0	0,92
600	102	156	128	A3S32F1D600F	A3V32F1D600F	A3I32F1D600F	1,0	0,96	A3Z32F1D600F	1,0	1,05

Coperchio per curva a 30° verso l'alto
30° vertical inside bend cover

CE

B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
50	14	122	51	A3S32G1P050D	A3V32G1P050D	A3I32G1P050D	0,8	0,05	A3Z32G1P050E	0,9	0,06
75	14	122	51	A3S32G1P075D	A3V32G1P075D	A3I32G1P075D	0,8	0,07	A3Z32G1P075E	0,9	0,08
100	14	122	51	A3S32G1P100D	A3V32G1P100D	A3I32G1P100D	0,8	0,08	A3Z32G1P100E	0,9	0,11
150	14	122	51	A3S32G1P150D	A3V32G1P150D	A3I32G1P150D	0,8	0,12	A3Z32G1P150E	0,9	0,15
200	14	122	51	A3S32G1P200D	A3V32G1P200D	A3I32G1P200D	0,8	0,15	A3Z32G1P200E	0,9	0,19
300	14	122	51	A3S32G1P300D	A3V32G1P300D	A3I32G1P300D	0,8	0,22	A3Z32G1P300E	0,9	0,28
400	14	122	51	A3S32G1P400D	A3V32G1P400D	A3I32G1P400D	0,8	0,28	A3Z32G1P400F	1,0	0,39
500	14	122	51	A3S32G1P500D	A3V32G1P500D	A3I32G1P500D	0,8	0,36	A3Z32G1P500F	1,0	0,48
600	14	122	51	A3S32G1P600D	A3V32G1P600D	A3I32G1P600D	0,8	0,42	A3Z32G1P600F	1,0	0,58

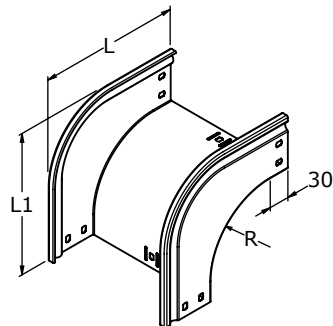
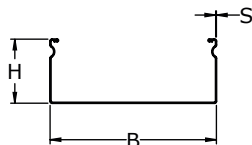


Curva a 90° verso il basso
90° vertical outside bend

 IP40 con coperchio/with cover

 R=100 mm

M05 



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	52	180	180	A3S33F1B050D	A3V33F1B050D	A3I33F1B050D	0,8	0,34	A3Z33F1B050E	0,9	0,43
75	52	180	180	A3S33F1B075D	A3V33F1B075D	A3I33F1B075D	0,8	0,37	A3Z33F1B075E	0,9	0,46
100	52	180	180	A3S33F1B100D	A3V33F1B100D	A3I33F1B100D	0,8	0,41	A3Z33F1B100E	0,9	0,51
150	52	180	180	A3S33F1B150D	A3V33F1B150D	A3I33F1B150D	0,8	0,48	A3Z33F1B150E	0,9	0,58
200	52	180	180	A3S33F1B200D	A3V33F1B200D	A3I33F1B200D	0,8	0,54	A3Z33F1B200E	0,9	0,67
300	52	180	180	A3S33F1B300D	A3V33F1B300D	A3I33F1B300D	0,8	0,68	A3Z33F1B300E	0,9	0,82
400	52	180	180	A3S33F1B400F	A3V33F1B400F	A3I33F1B400F	1,0	1,02	A3Z33F1B400F	1,0	1,14
500	52	180	180	A3S33F1B500F	A3V33F1B500F	A3I33F1B500F	1,0	1,19	A3Z33F1B500F	1,0	1,33
600	52	180	180	A3S33F1B600F	A3V33F1B600F	A3I33F1B600F	1,0	1,36	A3Z33F1B600F	1,0	1,53
75	77	205	205	A3S33F1C075D	A3V33F1C075D	A3I33F1C075D	0,8	0,50	A3Z33F1C075E	0,9	0,62
100	77	205	205	A3S33F1C100D	A3V33F1C100D	A3I33F1C100D	0,8	0,54	A3Z33F1C100E	0,9	0,67
150	77	205	205	A3S33F1C150D	A3V33F1C150D	A3I33F1C150D	0,8	0,60	A3Z33F1C150E	0,9	0,74
200	77	205	205	A3S33F1C200D	A3V33F1C200D	A3I33F1C200D	0,8	0,67	A3Z33F1C200E	0,9	0,81
300	77	205	205	A3S33F1C300D	A3V33F1C300D	A3I33F1C300D	0,8	0,81	A3Z33F1C300E	0,9	0,98
400	77	205	205	A3S33F1C400F	A3V33F1C400F	A3I33F1C400F	1,0	1,18	A3Z33F1C400F	1,0	1,30
500	77	205	205	A3S33F1C500F	A3V33F1C500F	A3I33F1C500F	1,0	1,35	A3Z33F1C500F	1,0	1,50
600	77	205	205	A3S33F1C600F	A3V33F1C600F	A3I33F1C600F	1,0	1,52	A3Z33F1C600F	1,0	1,69
100	102	230	230	A3S33F1D100D	A3V33F1D100D	A3I33F1D100D	0,8	0,68	A3Z33F1D100E	0,9	0,84
150	102	230	230	A3S33F1D150D	A3V33F1D150D	A3I33F1D150D	0,8	0,75	A3Z33F1D150E	0,9	0,91
200	102	230	230	A3S33F1D200D	A3V33F1D200D	A3I33F1D200D	0,8	0,82	A3Z33F1D200E	0,9	0,99
300	102	230	230	A3S33F1D300D	A3V33F1D300D	A3I33F1D300D	0,8	0,95	A3Z33F1D300E	0,9	1,15
400	102	230	230	A3S33F1D400F	A3V33F1D400F	A3I33F1D400F	1,0	1,36	A3Z33F1D400F	1,0	1,47
500	102	230	230	A3S33F1D500F	A3V33F1D500F	A3I33F1D500F	1,0	1,53	A3Z33F1D500F	1,0	1,67
600	102	230	230	A3S33F1D600F	A3V33F1D600F	A3I33F1D600F	1,0	1,70	A3Z33F1D600F	1,0	1,86

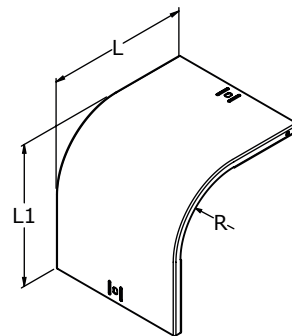
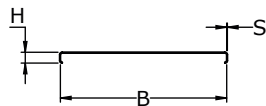
Coperchio per curva a 90° verso il basso
90° vertical outside bend cover



-

R=100 mm

M05 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
50	14	180	180	A3S33G1B050D	A3V33G1B050D	A3I33G1B050D	0,8	0,15	A3Z33G1B050E	0,9	0,19
75	14	180	180	A3S33G1B075D	A3V33G1B075D	A3I33G1B075D	0,8	0,20	A3Z33G1B075E	0,9	0,25
100	14	180	180	A3S33G1B100D	A3V33G1B100D	A3I33G1B100D	0,8	0,25	A3Z33G1B100E	0,9	0,31
150	14	180	180	A3S33G1B150D	A3V33G1B150D	A3I33G1B150D	0,8	0,35	A3Z33G1B150E	0,9	0,43
200	14	180	180	A3S33G1B200D	A3V33G1B200D	A3I33G1B200D	0,8	0,45	A3Z33G1B200E	0,9	0,56
300	14	180	180	A3S33G1B300D	A3V33G1B300D	A3I33G1B300D	0,8	0,65	A3Z33G1B300E	0,9	0,80
400	14	180	180	A3S33G1B400D	A3V33G1B400D	A3I33G1B400D	0,8	0,85	A3Z33G1B400F	1,0	1,16
500	14	180	180	A3S33G1B500D	A3V33G1B500D	A3I33G1B500D	0,8	1,05	A3Z33G1B500F	1,0	1,43
600	14	180	180	A3S33G1B600D	A3V33G1B600D	A3I33G1B600D	0,8	1,25	A3Z33G1B600F	1,0	1,70
75	14	205	205	A3S33G1C075D	A3V33G1C075D	A3I33G1C075D	0,8	0,24	A3Z33G1C075E	0,9	0,30
100	14	205	205	A3S33G1C100D	A3V33G1C100D	A3I33G1C100D	0,8	0,30	A3Z33G1C100E	0,9	0,37
150	14	205	205	A3S33G1C150D	A3V33G1C150D	A3I33G1C150D	0,8	0,41	A3Z33G1C150E	0,9	0,51
200	14	205	205	A3S33G1C200D	A3V33G1C200D	A3I33G1C200D	0,8	0,53	A3Z33G1C200E	0,9	0,66
300	14	205	205	A3S33G1C300D	A3V33G1C300D	A3I33G1C300D	0,8	0,77	A3Z33G1C300E	0,9	0,95
400	14	205	205	A3S33G1C400D	A3V33G1C400D	A3I33G1C400D	0,8	1,00	A3Z33G1C400F	1,0	1,36
500	14	205	205	A3S33G1C500D	A3V33G1C500D	A3I33G1C500D	0,8	1,24	A3Z33G1C500F	1,0	1,69
600	14	205	205	A3S33G1C600D	A3V33G1C600D	A3I33G1C600D	0,8	1,47	A3Z33G1C600F	1,0	2,00
100	14	230	230	A3S33G1D100D	A3V33G1D100D	A3I33G1D100D	0,8	0,34	A3Z33G1D100E	0,9	0,42
150	14	230	230	A3S33G1D150D	A3V33G1D150D	A3I33G1D150D	0,8	0,47	A3Z33G1D150E	0,9	0,58
200	14	230	230	A3S33G1D200D	A3V33G1D200D	A3I33G1D200D	0,8	0,61	A3Z33G1D200E	0,9	0,75
300	14	230	230	A3S33G1D300D	A3V33G1D300D	A3I33G1D300D	0,8	0,87	A3Z33G1D300E	0,9	1,08
400	14	230	230	A3S33G1D400D	A3V33G1D400D	A3I33G1D400D	0,8	1,14	A3Z33G1D400F	1,0	1,55
500	14	230	230	A3S33G1D500D	A3V33G1D500D	A3I33G1D500D	0,8	1,42	A3Z33G1D500F	1,0	1,93
600	14	230	230	A3S33G1D600D	A3V33G1D600D	A3I33G1D600D	0,8	1,68	A3Z33G1D600F	1,0	2,29

Curva a 45° verso il basso 45° vertical outside bend

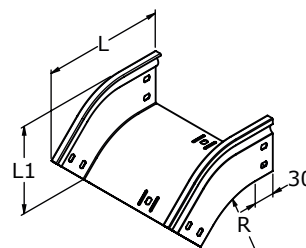
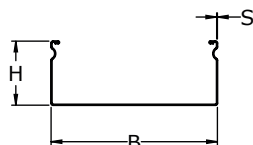


IP40 con coperchio/with cover



R=100 mm

M06



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	157	102	A3S34F1B050D	A3V34F1B050D	A3I34F1B050D	0,8	0,19	A3Z34F1B050E	0,9	0,23
75	52	157	102	A3S34F1B075D	A3V34F1B075D	A3I34F1B075D	0,8	0,21	A3Z34F1B075E	0,9	0,26
100	52	157	102	A3S34F1B100D	A3V34F1B100D	A3I34F1B100D	0,8	0,23	A3Z34F1B100E	0,9	0,29
150	52	157	102	A3S34F1B150D	A3V34F1B150D	A3I34F1B150D	0,8	0,28	A3Z34F1B150E	0,9	0,33
200	52	157	102	A3S34F1B200D	A3V34F1B200D	A3I34F1B200D	0,8	0,32	A3Z34F1B200E	0,9	0,38
300	52	157	102	A3S34F1B300D	A3V34F1B300D	A3I34F1B300D	0,8	0,41	A3Z34F1B300E	0,9	0,51
400	52	157	102	A3S34F1B400F	A3V34F1B400F	A3I34F1B400F	1,0	0,62	A3Z34F1B400F	1,0	0,68
500	52	157	102	A3S34F1B500F	A3V34F1B500F	A3I34F1B500F	1,0	0,73	A3Z34F1B500F	1,0	0,79
600	52	157	102	A3S34F1B600F	A3V34F1B600F	A3I34F1B600F	1,0	0,84	A3Z34F1B600F	1,0	0,91
75	77	177	129	A3S34F1C075D	A3V34F1C075D	A3I34F1C075D	0,8	0,28	A3Z34F1C075E	0,9	0,33
100	77	177	129	A3S34F1C100D	A3V34F1C100D	A3I34F1C100D	0,8	0,30	A3Z34F1C100E	0,9	0,37
150	77	177	129	A3S34F1C150D	A3V34F1C150D	A3I34F1C150D	0,8	0,34	A3Z34F1C150E	0,9	0,41
200	77	177	129	A3S34F1C200D	A3V34F1C200D	A3I34F1C200D	0,8	0,38	A3Z34F1C200E	0,9	0,46
300	77	177	129	A3S34F1C300D	A3V34F1C300D	A3I34F1C300D	0,8	0,47	A3Z34F1C300E	0,9	0,56
400	77	177	129	A3S34F1C400F	A3V34F1C400F	A3I34F1C400F	1,0	0,70	A3Z34F1C400F	1,0	0,76
500	77	177	129	A3S34F1C500F	A3V34F1C500F	A3I34F1C500F	1,0	0,81	A3Z34F1C500F	1,0	0,88
600	77	177	129	A3S34F1C600F	A3V34F1C600F	A3I34F1C600F	1,0	0,92	A3Z34F1C600F	1,0	1,00
100	102	197	156	A3S34F1D100D	A3V34F1D100D	A3I34F1D100D	0,8	0,37	A3Z34F1D100E	0,9	0,45
150	102	197	156	A3S34F1D150D	A3V34F1D150D	A3I34F1D150D	0,8	0,41	A3Z34F1D150E	0,9	0,49
200	102	197	156	A3S34F1D200D	A3V34F1D200D	A3I34F1D200D	0,8	0,46	A3Z34F1D200E	0,9	0,54
300	102	197	156	A3S34F1D300D	A3V34F1D300D	A3I34F1D300D	0,8	0,54	A3Z34F1D300E	0,9	0,67
400	102	197	156	A3S34F1D400F	A3V34F1D400F	A3I34F1D400F	1,0	0,79	A3Z34F1D400F	1,0	0,86
500	102	197	156	A3S34F1D500F	A3V34F1D500F	A3I34F1D500F	1,0	0,90	A3Z34F1D500F	1,0	0,98
600	102	197	156	A3S34F1D600F	A3V34F1D600F	A3I34F1D600F	1,0	1,01	A3Z34F1D600F	1,0	1,86

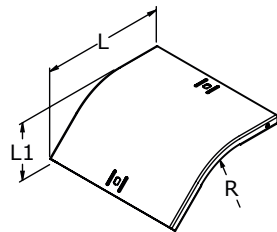
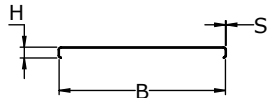
Coperchio per curva a 45° verso il basso
45° vertical outside bend cover

CE

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R=100 mm

M06 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	14	157	67	A3S34G1B050D	A3V34G1B050D	A3I34G1B050D	0,8	0,09	A3Z34G1B050E	0,9	0,11
75	14	157	67	A3S34G1B075D	A3V34G1B075D	A3I34G1B075D	0,8	0,11	A3Z34G1B075E	0,9	0,13
100	14	157	67	A3S34G1B100D	A3V34G1B100D	A3I34G1B100D	0,8	0,14	A3Z34G1B100E	0,9	0,17
150	14	157	67	A3S34G1B150D	A3V34G1B150D	A3I34G1B150D	0,8	0,20	A3Z34G1B150E	0,9	0,25
200	14	157	67	A3S34G1B200D	A3V34G1B200D	A3I34G1B200D	0,8	0,26	A3Z34G1B200E	0,9	0,32
300	14	157	67	A3S34G1B300D	A3V34G1B300D	A3I34G1B300D	0,8	0,37	A3Z34G1B300E	0,9	0,46
400	14	157	67	A3S34G1B400D	A3V34G1B400D	A3I34G1B400D	0,8	0,48	A3Z34G1B400F	1,0	0,65
500	14	157	67	A3S34G1B500D	A3V34G1B500D	A3I34G1B500D	0,8	0,59	A3Z34G1B500F	1,0	0,80
600	14	157	67	A3S34G1B600D	A3V34G1B600D	A3I34G1B600D	0,8	0,71	A3Z34G1B600F	1,0	0,97
75	14	177	74	A3S34G1C075D	A3V34G1C075D	A3I34G1C075D	0,8	0,13	A3Z34G1C075E	0,9	0,16
100	14	177	74	A3S34G1C100D	A3V34G1C100D	A3I34G1C100D	0,8	0,16	A3Z34G1C100E	0,9	0,20
150	14	177	74	A3S34G1C150D	A3V34G1C150D	A3I34G1C150D	0,8	0,22	A3Z34G1C150E	0,9	0,27
200	14	177	74	A3S34G1C200D	A3V34G1C200D	A3I34G1C200D	0,8	0,29	A3Z34G1C200E	0,9	0,36
300	14	177	74	A3S34G1C300D	A3V34G1C300D	A3I34G1C300D	0,8	0,41	A3Z34G1C300E	0,9	0,51
400	14	177	74	A3S34G1C400D	A3V34G1C400D	A3I34G1C400D	0,8	0,54	A3Z34G1C400F	1,0	0,74
500	14	177	74	A3S34G1C500D	A3V34G1C500D	A3I34G1C500D	0,8	0,67	A3Z34G1C500F	1,0	0,91
600	14	177	74	A3S34G1C600D	A3V34G1C600D	A3I34G1C600D	0,8	0,80	A3Z34G1C600F	1,0	1,09
100	14	197	81	A3S34G1D100D	A3V34G1D100D	A3I34G1D100D	0,8	0,18	A3Z34G1D100E	0,9	0,22
150	14	197	81	A3S34G1D150D	A3V34G1D150D	A3I34G1D150D	0,8	0,25	A3Z34G1D150E	0,9	0,31
200	14	197	81	A3S34G1D200D	A3V34G1D200D	A3I34G1D200D	0,8	0,32	A3Z34G1D200E	0,9	0,40
300	14	197	81	A3S34G1D300D	A3V34G1D300D	A3I34G1D300D	0,8	0,46	A3Z34G1D300E	0,9	0,57
400	14	197	81	A3S34G1D400D	A3V34G1D400D	A3I34G1D400D	0,8	0,60	A3Z34G1D400F	1,0	0,82
500	14	197	81	A3S34G1D500D	A3V34G1D500D	A3I34G1D500D	0,8	0,74	A3Z34G1D500F	1,0	1,01
600	14	197	81	A3S34G1D600D	A3V34G1D600D	A3I34G1D600D	0,8	0,88	A3Z34G1D600F	1,0	2,29

Curva a 30° verso il basso 30° vertical outside bend

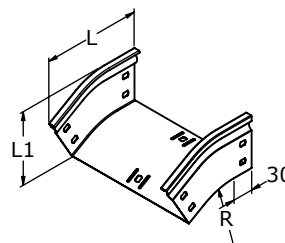
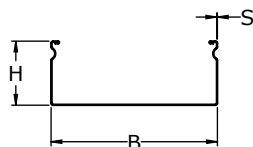


IP40 con coperchio/with cover



R=100 mm

M07



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	131	78	A3S35F1B050D	A3V35F1B050D	A3I35F1B050D	0,8	0,14	A3Z35F1B050E	0,9	0,18
75	52	131	78	A3S35F1B075D	A3V35F1B075D	A3I35F1B075D	0,8	0,16	A3Z35F1B075E	0,9	0,21
100	52	131	78	A3S35F1B100D	A3V35F1B100D	A3I35F1B100D	0,8	0,18	A3Z35F1B100E	0,9	0,23
150	52	131	78	A3S35F1B150D	A3V35F1B150D	A3I35F1B150D	0,8	0,22	A3Z35F1B150E	0,9	0,27
200	52	131	78	A3S35F1B200D	A3V35F1B200D	A3I35F1B200D	0,8	0,25	A3Z35F1B200E	0,9	0,31
300	52	131	78	A3S35F1B300D	A3V35F1B300D	A3I35F1B300D	0,8	0,33	A3Z35F1B300E	0,9	0,40
400	52	131	78	A3S35F1B400F	A3V35F1B400F	A3I35F1B400F	1,0	0,49	A3Z35F1B400F	1,0	0,54
500	52	131	78	A3S35F1B500F	A3V35F1B500F	A3I35F1B500F	1,0	0,58	A3Z35F1B500F	1,0	0,64
600	52	131	78	A3S35F1B600F	A3V35F1B600F	A3I35F1B600F	1,0	0,67	A3Z35F1B600F	1,0	0,73
75	77	143	103	A3S35F1C075D	A3V35F1C075D	A3I35F1C075D	0,8	0,21	A3Z35F1C075E	0,9	0,26
100	77	143	103	A3S35F1C100D	A3V35F1C100D	A3I35F1C100D	0,8	0,23	A3Z35F1C100E	0,9	0,29
150	77	143	103	A3S35F1C150D	A3V35F1C150D	A3I35F1C150D	0,8	0,27	A3Z35F1C150E	0,9	0,33
200	77	143	103	A3S35F1C200D	A3V35F1C200D	A3I35F1C200D	0,8	0,30	A3Z35F1C200E	0,9	0,37
300	77	143	103	A3S35F1C300D	A3V35F1C300D	A3I35F1C300D	0,8	0,37	A3Z35F1C300E	0,9	0,46
400	77	143	103	A3S35F1C400F	A3V35F1C400F	A3I35F1C400F	1,0	0,55	A3Z35F1C400F	1,0	0,60
500	77	143	103	A3S35F1C500F	A3V35F1C500F	A3I35F1C500F	1,0	0,64	A3Z35F1C500F	1,0	0,70
600	77	143	103	A3S35F1C600F	A3V35F1C600F	A3I35F1C600F	1,0	0,73	A3Z35F1C600F	1,0	0,80
100	102	156	128	A3S35F1D100D	A3V35F1D100D	A3I35F1D100D	0,8	0,28	A3Z35F1D100E	0,9	0,35
150	102	156	128	A3S35F1D150D	A3V35F1D150D	A3I35F1D150D	0,8	0,32	A3Z35F1D150E	0,9	0,39
200	102	156	128	A3S35F1D200D	A3V35F1D200D	A3I35F1D200D	0,8	0,35	A3Z35F1D200E	0,9	0,44
300	102	156	128	A3S35F1D300D	A3V35F1D300D	A3I35F1D300D	0,8	0,53	A3Z35F1D300E	0,9	0,58
400	102	156	128	A3S35F1D400F	A3V35F1D400F	A3I35F1D400F	1,0	0,62	A3Z35F1D400F	1,0	0,68
500	102	156	128	A3S35F1D500F	A3V35F1D500F	A3I35F1D500F	1,0	0,71	A3Z35F1D500F	1,0	0,77
600	102	156	128	A3S35F1D600F	A3V35F1D600F	A3I35F1D600F	1,0	0,80	A3Z35F1D600F	1,0	0,87

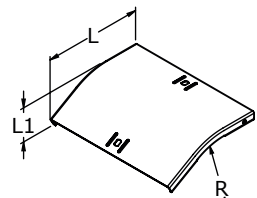
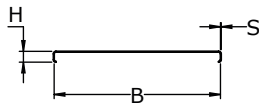
Coperchio per curva a 30° verso il basso
30° vertical outside bend cover

CE

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R=100 mm

M07



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	14	131	47	A3S35G1B050D	A3V35G1B050D	A3I35G1B050D	0,8	0,07	A3Z35G1B050E	0,9	0,09
75	14	131	47	A3S35G1B075D	A3V35G1B075D	A3I35G1B075D	0,8	0,10	A3Z35G1B075E	0,9	0,13
100	14	131	47	A3S35G1B100D	A3V35G1B100D	A3I35G1B100D	0,8	0,12	A3Z35G1B100E	0,9	0,16
150	14	131	47	A3S35G1B150D	A3V35G1B150D	A3I35G1B150D	0,8	0,18	A3Z35G1B150E	0,9	0,21
200	14	131	47	A3S35G1B200D	A3V35G1B200D	A3I35G1B200D	0,8	0,22	A3Z35G1B200E	0,9	0,28
300	14	131	47	A3S35G1B300D	A3V35G1B300D	A3I35G1B300D	0,8	0,32	A3Z35G1B300E	0,9	0,40
400	14	131	47	A3S35G1B400D	A3V35G1B400D	A3I35G1B400D	0,8	0,42	A3Z35G1B400F	1,0	0,58
500	14	131	47	A3S35G1B500D	A3V35G1B500D	A3I35G1B500D	0,8	0,53	A3Z35G1B500F	1,0	0,71
600	14	131	47	A3S35G1B600D	A3V35G1B600D	A3I35G1B600D	0,8	0,63	A3Z35G1B600F	1,0	0,85
75	14	143	51	A3S35G1C075D	A3V35G1C075D	A3I35G1C075D	0,8	0,12	A3Z35G1C075E	0,9	0,15
100	14	143	51	A3S35G1C100D	A3V35G1C100D	A3I35G1C100D	0,8	0,15	A3Z35G1C100E	0,9	0,18
150	14	143	51	A3S35G1C150D	A3V35G1C150D	A3I35G1C150D	0,8	0,20	A3Z35G1C150E	0,9	0,25
200	14	143	51	A3S35G1C200D	A3V35G1C200D	A3I35G1C200D	0,8	0,26	A3Z35G1C200E	0,9	0,33
300	14	143	51	A3S35G1C300D	A3V35G1C300D	A3I35G1C300D	0,8	0,38	A3Z35G1C300E	0,9	0,47
400	14	143	51	A3S35G1C400D	A3V35G1C400D	A3I35G1C400D	0,8	0,50	A3Z35G1C400F	1,0	0,68
500	14	143	51	A3S35G1C500D	A3V35G1C500D	A3I35G1C500D	0,8	0,64	A3Z35G1C500F	1,0	0,85
600	14	143	51	A3S35G1C600D	A3V35G1C600D	A3I35G1C600D	0,8	0,74	A3Z35G1C600F	1,0	1,00
100	14	156	54	A3S35G1D100D	A3V35G1D100D	A3I35G1D100D	0,8	0,17	A3Z35G1D100E	0,9	0,21
150	14	156	54	A3S35G1D150D	A3V35G1D150D	A3I35G1D150D	0,8	0,23	A3Z35G1D150E	0,9	0,29
200	14	156	54	A3S35G1D200D	A3V35G1D200D	A3I35G1D200D	0,8	0,30	A3Z35G1D200E	0,9	0,38
300	14	156	54	A3S35G1D300D	A3V35G1D300D	A3I35G1D300D	0,8	0,43	A3Z35G1D300E	0,9	0,54
400	14	156	54	A3S35G1D400D	A3V35G1D400D	A3I35G1D400D	0,8	0,57	A3Z35G1D400F	1,0	0,77
500	14	156	54	A3S35G1D500D	A3V35G1D500D	A3I35G1D500D	0,8	0,71	A3Z35G1D500F	1,0	0,96
600	14	156	54	A3S35G1D600D	A3V35G1D600D	A3I35G1D600D	0,8	0,84	A3Z35G1D600F	1,0	1,15

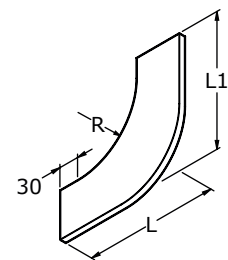
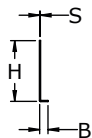
Divisorio per curva a 90° verso l'alto
Separator for 90° vertical inside bend

CE

-

R=100 mm

M05 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
10	50	180	180	A3S54A1B010D	A3V54A1B010D	A3I54A1B010D	0,8	0,13	A3Z54A1B010E	0,9	0,16
10	75	205	205	A3S54A1C010D	A3V54A1C010D	A3I54A1C010D	0,8	0,16	A3Z54A1C010E	0,9	0,20
10	100	230	230	A3S54A1D010D	A3V54A1D010D	A3I54A1D010D	0,8	0,22	A3Z54A1D010E	0,9	0,27

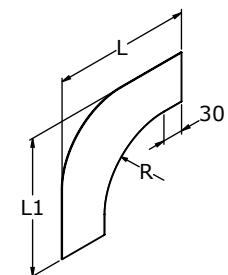
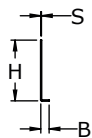
Divisorio per curva a 90° verso il basso
Separator for 90° vertical outside bend

CE

-

R=100 mm

M05 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
10	50	180	180	A3S57A1B010D	A3V57A1B010D	A3I57A1B010D	0,8	0,13	A3Z57A1B010E	0,9	0,16
10	75	205	205	A3S57A1C010D	A3V57A1C010D	A3I57A1C010D	0,8	0,16	A3Z57A1C010E	0,9	0,20
10	100	230	230	A3S57A1D010D	A3V57A1D010D	A3I57A1D010D	0,8	0,22	A3Z57A1D010E	0,9	0,27

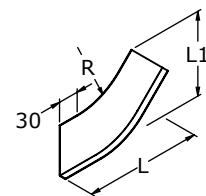
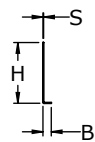
Divisorio per curva a 45° verso l'alto
Separator for 45° vertical inside bend

CE

-

R=100 mm

M06 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
10	50	157	102	A3S55A1B010D	A3V55A1B010D	A3I55A1B010D	0,8	0,07	A3Z55A1B010E	0,9	0,09
10	75	177	129	A3S55A1C010D	A3V55A1C010D	A3I55A1C010D	0,8	0,10	A3Z55A1C010E	0,9	0,12
10	100	197	156	A3S55A1D010D	A3V55A1D010D	A3I55A1D010D	0,8	0,13	A3Z55A1D010E	0,9	0,16

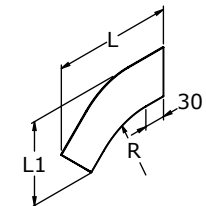
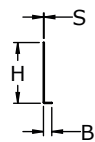
Divisorio per curva a 45° verso il basso
Separator for 45° vertical outside bend

CE

-

R=100 mm

M06 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
10	50	157	102	A3S58A1B010D	A3V58A1B010D	A3I58A1B010D	0,8	0,07	A3Z58A1B010E	0,9	0,09
10	75	177	129	A3S58A1C010D	A3V58A1C010D	A3I58A1C010D	0,8	0,10	A3Z58A1C010E	0,9	0,12
10	100	197	156	A3S58A1D010D	A3V58A1D010D	A3I58A1D010D	0,8	0,13	A3Z58A1D010E	0,9	0,16

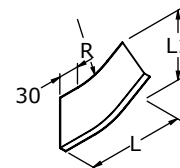
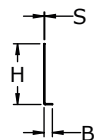
Divisorio per curva a 30° verso l'alto
Separator for 30° vertical inside bend

CE

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R=100 mm

M07 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
10	50	131	78	A3S56A1B010D	A3V56A1B010D	A3I56A1B010D	0,8	0,04	A3Z56A1B010E	0,9	0,06
10	75	143	103	A3S56A1C010D	A3V56A1C010D	A3I56A1C010D	0,8	0,07	A3Z56A1C010E	0,9	0,08
10	100	156	128	A3S56A1D010D	A3V56A1D010D	A3I56A1D010D	0,8	0,09	A3Z56A1D010E	0,9	0,12

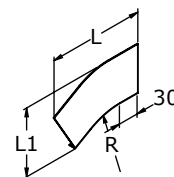
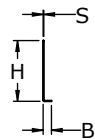
Divisorio per curva a 30° verso il basso
Separator for 30° vertical outside bend

CE

-

R=100 mm

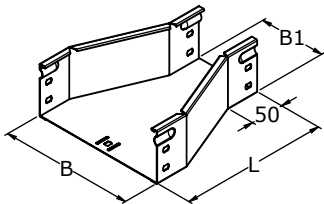
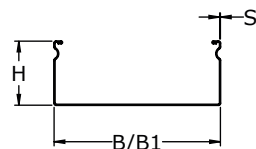
M07 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
10	50	78	131	A3S59A1B010D	A3V59A1B010D	A3I59A1B010D	0,8	0,04	A3Z59A1B010E	0,9	0,06
10	75	103	143	A3S59A1C010D	A3V59A1C010D	A3I59A1C010D	0,8	0,07	A3Z59A1C010E	0,9	0,08
10	100	128	156	A3S59A1D010D	A3V59A1D010D	A3I59A1D010D	0,8	0,09	A3Z59A1D010E	0,9	0,12

Riduzione centrale

Central reduction



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
75	50	52	220	A3S20F1B075D	A3V20F1B075D	A3I20F1B075D	0,8	0,29	A3Z20F1B075E	0,9	0,36
100	50	52	220	A3S20F1B100D	A3V20F1B100D	A3I20F1B100D	0,8	0,30	A3Z20F1B100E	0,9	0,37
150	50	52	220	A3S20F1B150D	A3V20F1B150D	A3I20F1B150D	0,8	0,36	A3Z20F1B150E	0,9	0,45
200	50	52	220	A3S20F1B200D	A3V20F1B200D	A3I20F1B200D	0,8	0,40	A3Z20F1B200E	0,9	0,50
100	75	52	220	A3S20F2B100D	A3V20F2B100D	A3I20F2B100D	0,8	0,33	A3Z20F2B100E	0,9	0,41
150	75	52	220	A3S20F2B150D	A3V20F2B150D	A3I20F2B150D	0,8	0,38	A3Z20F2B150E	0,9	0,47
200	75	52	220	A3S20F2B200D	A3V20F2B200D	A3I20F2B200D	0,8	0,42	A3Z20F2B200E	0,9	0,52
300	75	52	220	A3S20F2B300D	A3V20F2B300D	A3I20F2B300D	0,8	0,51	A3Z20F2B300E	0,9	0,63
150	100	52	220	A3S20F3B150D	A3V20F3B150D	A3I20F3B150D	0,8	0,37	A3Z20F3B150E	0,9	0,46
200	100	52	220	A3S20F3B200D	A3V20F3B200D	A3I20F3B200D	0,8	0,43	A3Z20F3B200E	0,9	0,53
300	100	52	220	A3S20F3B300D	A3V20F3B300D	A3I20F3B300D	0,8	0,51	A3Z20F3B300E	0,9	0,63
200	150	52	220	A3S20F4B200D	A3V20F4B200D	A3I20F4B200D	0,8	0,44	A3Z20F4B200E	0,9	0,54
300	150	52	220	A3S20F4B300D	A3V20F4B300D	A3I20F4B300D	0,8	0,53	A3Z20F4B300E	0,9	0,66
300	200	52	220	A3S20F5B300D	A3V20F5B300D	A3I20F5B300D	0,8	0,56	A3Z20F5B300E	0,9	0,69
400	300	52	220	A3S20F6B400F	A3V20F6B400F	A3I20F6B400F	1,0	0,82	A3Z20F6B400F	1,0	0,94
500	300	52	220	A3S20F6B500F	A3V20F6B500F	A3I20F6B500F	1,0	0,92	A3Z20F6B500F	1,0	1,00
600	300	52	220	A3S20F6B600F	A3V20F6B600F	A3I20F6B600F	1,0	1,07	A3Z20F6B600F	1,0	1,17
500	400	52	220	A3S20F7B500F	A3V20F7B500F	A3I20F7B500F	1,0	0,99	A3Z20F7B500F	1,0	1,08
600	400	52	220	A3S20F7B600F	A3V20F7B600F	A3I20F7B600F	1,0	1,10	A3Z20F7B600F	1,0	1,20
600	500	52	220	A3S20F8B600F	A3V20F8B600F	A3I20F8B600F	1,0	1,17	A3Z20F8B600F	1,0	1,28
100	75	77	220	A3S20F2C100D	A3V20F2C100D	A3I20F2C100D	0,8	0,40	A3Z20F2C100E	0,9	0,50
150	75	77	220	A3S20F2C150D	A3V20F2C150D	A3I20F2C150D	0,8	0,46	A3Z20F2C150E	0,9	0,57
200	75	77	220	A3S20F2C200D	A3V20F2C200D	A3I20F2C200D	0,8	0,50	A3Z20F2C200E	0,9	0,62
300	75	77	220	A3S20F2C300D	A3V20F2C300D	A3I20F2C300D	0,8	0,61	A3Z20F2C300E	0,9	0,75



IP40 con coperchio/with cover

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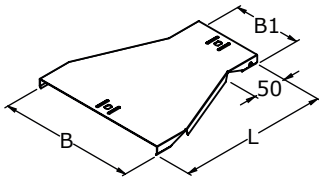
M08



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
150	100	77	220	A3S20F3C150D	A3V20F3C150D	A3I20F3C150D	0,8	0,44	A3Z20F3C150E	0,9	0,54
200	100	77	220	A3S20F3C200D	A3V20F3C200D	A3I20F3C200D	0,8	0,51	A3Z20F3C200E	0,9	0,63
300	100	77	220	A3S20F3C300D	A3V20F3C300D	A3I20F3C300D	0,8	0,60	A3Z20F3C300E	0,9	0,74
200	150	77	220	A3S20F4C200D	A3V20F4C200D	A3I20F4C200D	0,8	0,51	A3Z20F4C200E	0,9	0,63
300	150	77	220	A3S20F4C300D	A3V20F4C300D	A3I20F4C300D	0,8	0,62	A3Z20F4C300E	0,9	0,77
300	200	77	220	A3S20F5C300D	A3V20F5C300D	A3I20F5C300D	0,8	0,64	A3Z20F5C300E	0,9	0,79
400	300	77	220	A3S20F6C400F	A3V20F6C400F	A3I20F6C400F	1,0	0,90	A3Z20F6C400F	1,0	0,98
500	300	77	220	A3S20F6C500F	A3V20F6C500F	A3I20F6C500F	1,0	1,01	A3Z20F6C500F	1,0	1,10
600	300	77	220	A3S20F6C600F	A3V20F6C600F	A3I20F6C600F	1,0	1,18	A3Z20F6C600F	1,0	1,29
500	400	77	220	A3S20F7C500F	A3V20F7C500F	A3I20F7C500F	1,0	1,07	A3Z20F7C500F	1,0	1,17
600	400	77	220	A3S20F7C600F	A3V20F7C600F	A3I20F7C600F	1,0	1,19	A3Z20F7C600F	1,0	1,30
600	500	77	220	A3S20F8C600F	A3V20F8C600F	A3I20F8C600F	1,0	1,25	A3Z20F8C600F	1,0	1,36
150	100	102	220	A3S20F3D150D	A3V20F3D150D	A3I20F3D150D	0,8	0,52	A3Z20F3D150E	0,9	0,64
200	100	102	220	A3S20F3D200D	A3V20F3D200D	A3I20F3D200D	0,8	0,58	A3Z20F3D200E	0,9	0,72
300	100	102	220	A3S20F3D300D	A3V20F3D300D	A3I20F3D300D	0,8	0,69	A3Z20F3D300E	0,9	0,84
200	150	102	220	A3S20F4D200D	A3V20F4D200D	A3I20F4D200D	0,8	0,59	A3Z20F4D200E	0,9	0,73
300	150	102	220	A3S20F4D300D	A3V20F4D300D	A3I20F4D300D	0,8	0,69	A3Z20F4D300E	0,9	0,84
300	200	102	220	A3S20F5D300D	A3V20F5D300D	A3I20F5D300D	0,8	0,71	A3Z20F5D300E	0,9	0,88
400	300	102	220	A3S20F6D400F	A3V20F6D400F	A3I20F6D400F	1,0	0,97	A3Z20F6D400F	1,0	1,06
500	300	102	220	A3S20F6D500F	A3V20F6D500F	A3I20F6D500F	1,0	1,10	A3Z20F6D500F	1,0	1,20
600	300	102	220	A3S20F6D600F	A3V20F6D600F	A3I20F6D600F	1,0	1,28	A3Z20F6D600F	1,0	1,40
500	400	102	220	A3S20F7D500F	A3V20F7D500F	A3I20F7D500F	1,0	1,14	A3Z20F7D500F	1,0	1,24
600	400	102	220	A3S20F7D600F	A3V20F7D600F	A3I20F7D600F	1,0	1,28	A3Z20F7D600F	1,0	1,40
600	500	102	220	A3S20F8D600F	A3V20F8D600F	A3I20F8D600F	1,0	1,32	A3Z20F8D600F	1,0	1,44

Coperchio per riduzione centrale

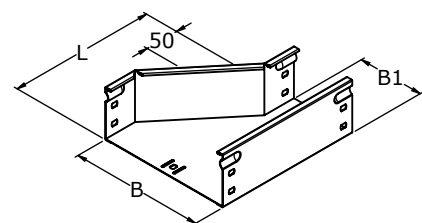
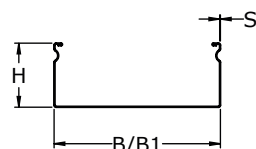
Central reduction cover



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
75	50	14	220	A3S20G1P075D	A3V20G1P075D	A3I20G1P075D	0,8	0,12	A3Z20G1P075E	0,9	0,15
100	50	14	220	A3S20G1P100D	A3V20G1P100D	A3I20G1P100D	0,8	0,13	A3Z20G1P100E	0,9	0,16
150	50	14	220	A3S20G1P150D	A3V20G1P150D	A3I20G1P150D	0,8	0,17	A3Z20G1P150E	0,9	0,21
200	50	14	220	A3S20G1P200D	A3V20G1P200D	A3I20G1P200D	0,8	0,19	A3Z20G1P200E	0,9	0,24
100	75	14	220	A3S20G2P100D	A3V20G2P100D	A3I20G2P100D	0,8	0,15	A3Z20G2P100E	0,9	0,19
150	75	14	220	A3S20G2P150D	A3V20G2P150D	A3I20G2P150D	0,8	0,19	A3Z20G2P150E	0,9	0,24
200	75	14	220	A3S20G2P200D	A3V20G2P200D	A3I20G2P200D	0,8	0,22	A3Z20G2P200E	0,9	0,27
300	75	14	220	A3S20G2P300D	A3V20G2P300D	A3I20G2P300D	0,8	0,27	A3Z20G2P300E	0,9	0,33
150	100	14	220	A3S20G3P150D	A3V20G3P150D	A3I20G3P150D	0,8	0,20	A3Z20G3P150E	0,9	0,25
200	100	14	220	A3S20G3P200D	A3V20G3P200D	A3I20G3P200D	0,8	0,24	A3Z20G3P200E	0,9	0,30

B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
300	100	14	220	A3S20G3P300D	A3V20G3P300D	A3I20G3P300D	0,8	0,29	A3Z20G3P300E	0,9	0,36
200	150	14	220	A3S20G4P200D	A3V20G4P200D	A3I20G4P200D	0,8	0,27	A3Z20G4P200E	0,9	0,33
300	150	14	220	A3S20G4P300D	A3V20G4P300D	A3I20G4P300D	0,8	0,33	A3Z20G4P300E	0,9	0,41
300	200	14	220	A3S20G5P300D	A3V20G5P300D	A3I20G5P300D	0,8	0,38	A3Z20G5P300E	0,9	0,47
400	300	14	220	A3S20G6P400D	A3V20G6P400D	A3I20G6P400D	0,8	0,52	A3Z20G6P400F	1,0	0,71
500	300	14	220	A3S20G6P500D	A3V20G6P500D	A3I20G6P500D	0,8	0,57	A3Z20G6P500F	1,0	0,78
600	300	14	220	A3S20G6P600D	A3V20G6P600D	A3I20G6P600D	0,8	0,64	A3Z20G6P600F	1,0	0,87
500	400	14	220	A3S20G7P500D	A3V20G7P500D	A3I20G7P500D	0,8	0,66	A3Z20G7P500F	1,0	0,90
600	400	14	220	A3S20G7P600D	A3V20G7P600D	A3I20G7P600D	0,8	0,71	A3Z20G7P600F	1,0	0,97
600	500	14	220	A3S20G8P600D	A3V20G8P600D	A3I20G8P600D	0,8	0,80	A3Z20G8P600F	1,0	1,09

Riduzione destra
Right reduction



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
75	50	52	220	A3S21F1B075D	A3V21F1B075D	A3I21F1B075D	0,8	0,29	A3Z21F1B075E	0,9	0,36
100	50	52	220	A3S21F1B100D	A3V21F1B100D	A3I21F1B100D	0,8	0,30	A3Z21F1B100E	0,9	0,37
150	50	52	220	A3S21F1B150D	A3V21F1B150D	A3I21F1B150D	0,8	0,36	A3Z21F1B150E	0,9	0,45
200	50	52	220	A3S21F1B200D	A3V21F1B200D	A3I21F1B200D	0,8	0,40	A3Z21F1B200E	0,9	0,50
100	75	52	220	A3S21F2B100D	A3V21F2B100D	A3I21F2B100D	0,8	0,33	A3Z21F2B100E	0,9	0,41
150	75	52	220	A3S21F2B150D	A3V21F2B150D	A3I21F2B150D	0,8	0,38	A3Z21F2B150E	0,9	0,47
200	75	52	220	A3S21F2B200D	A3V21F2B200D	A3I21F2B200D	0,8	0,42	A3Z21F2B200E	0,9	0,52
300	75	52	220	A3S21F2B300D	A3V21F2B300D	A3I21F2B300D	0,8	0,51	A3Z21F2B300E	0,9	0,63
150	100	52	220	A3S21F3B150D	A3V21F3B150D	A3I21F3B150D	0,8	0,37	A3Z21F3B150E	0,9	0,46
200	100	52	220	A3S21F3B200D	A3V21F3B200D	A3I21F3B200D	0,8	0,43	A3Z21F3B200E	0,9	0,53
300	100	52	220	A3S21F3B300D	A3V21F3B300D	A3I21F3B300D	0,8	0,51	A3Z21F3B300E	0,9	0,63
200	150	52	220	A3S21F4B200D	A3V21F4B200D	A3I21F4B200D	0,8	0,44	A3Z21F4B200E	0,9	0,54
300	150	52	220	A3S21F4B300D	A3V21F4B300D	A3I21F4B300D	0,8	0,53	A3Z21F4B300E	0,9	0,66
300	200	52	220	A3S21F5B300D	A3V21F5B300D	A3I21F5B300D	0,8	0,56	A3Z21F5B300E	0,9	0,69
400	300	52	220	A3S21F6B400F	A3V21F6B400F	A3I21F6B400F	1,0	0,82	A3Z21F6B400F	1,0	0,94
500	300	52	220	A3S21F6B500F	A3V21F6B500F	A3I21F6B500F	1,0	0,92	A3Z21F6B500F	1,0	1,00
600	300	52	220	A3S21F6B600F	A3V21F6B600F	A3I21F6B600F	1,0	1,07	A3Z21F6B600F	1,0	1,17
500	400	52	220	A3S21F7B500F	A3V21F7B500F	A3I21F7B500F	1,0	0,99	A3Z21F7B500F	1,0	1,08
600	400	52	220	A3S21F7B600F	A3V21F7B600F	A3I21F7B600F	1,0	1,10	A3Z21F7B600F	1,0	1,20
600	500	52	220	A3S21F8B600F	A3V21F8B600F	A3I21F8B600F	1,0	1,17	A3Z21F8B600F	1,0	1,28
100	75	77	220	A3S21F2C100D	A3V21F2C100D	A3I21F2C100D	0,8	0,40	A3Z21F2C100E	0,9	0,50
150	75	77	220	A3S21F2C150D	A3V21F2C150D	A3I21F2C150D	0,8	0,46	A3Z21F2C150E	0,9	0,57
200	75	77	220	A3S21F2C200D	A3V21F2C200D	A3I21F2C200D	0,8	0,50	A3Z21F2C200E	0,9	0,62
300	75	77	220	A3S21F2C300D	A3V21F2C300D	A3I21F2C300D	0,8	0,61	A3Z21F2C300E	0,9	0,75



IP40 con coperchio/with cover

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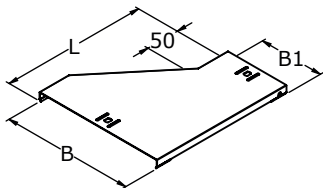
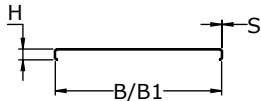
M09



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
150	100	77	220	A3S21F3C150D	A3V21F3C150D	A3I21F3C150D	0,8	0,44	A3Z21F3C150E	0,9	0,54
200	100	77	220	A3S21F3C200D	A3V21F3C200D	A3I21F3C200D	0,8	0,51	A3Z21F3C200E	0,9	0,63
300	100	77	220	A3S21F3C300D	A3V21F3C300D	A3I21F3C300D	0,8	0,60	A3Z21F3C300E	0,9	0,74
200	150	77	220	A3S21F4C200D	A3V21F4C200D	A3I21F4C200D	0,8	0,51	A3Z21F4C200E	0,9	0,63
300	150	77	220	A3S21F4C300D	A3V21F4C300D	A3I21F4C300D	0,8	0,62	A3Z21F4C300E	0,9	0,77
300	200	77	220	A3S21F5C300D	A3V21F5C300D	A3I21F5C300D	0,8	0,64	A3Z21F5C300E	0,9	0,79
400	300	77	220	A3S21F6C400F	A3V21F6C400F	A3I21F6C400F	1,0	0,90	A3Z21F6C400F	1,0	0,98
500	300	77	220	A3S21F6C500F	A3V21F6C500F	A3I21F6C500F	1,0	1,01	A3Z21F6C500F	1,0	1,10
600	300	77	220	A3S21F6C600F	A3V21F6C600F	A3I21F6C600F	1,0	1,18	A3Z21F6C600F	1,0	1,29
500	400	77	220	A3S21F7C500F	A3V21F7C500F	A3I21F7C500F	1,0	1,07	A3Z21F7C500F	1,0	1,17
600	400	77	220	A3S21F7C600F	A3V21F7C600F	A3I21F7C600F	1,0	1,19	A3Z21F7C600F	1,0	1,30
600	500	77	220	A3S21F8C600F	A3V21F8C600F	A3I21F8C600F	1,0	1,25	A3Z21F8C600F	1,0	1,36
150	100	102	220	A3S21F3D150D	A3V21F3D150D	A3I21F3D150D	0,8	0,52	A3Z21F3D150E	0,9	0,64
200	100	102	220	A3S21F3D200D	A3V21F3D200D	A3I21F3D200D	0,8	0,58	A3Z21F3D200E	0,9	0,72
300	100	102	220	A3S21F3D300D	A3V21F3D300D	A3I21F3D300D	0,8	0,69	A3Z21F3D300E	0,9	0,84
200	150	102	220	A3S21F4D200D	A3V21F4D200D	A3I21F4D200D	0,8	0,59	A3Z21F4D200E	0,9	0,73
300	150	102	220	A3S21F4D300D	A3V21F4D300D	A3I21F4D300D	0,8	0,69	A3Z21F4D300E	0,9	0,84
300	200	102	220	A3S21F5D300D	A3V21F5D300D	A3I21F5D300D	0,8	0,71	A3Z21F5D300E	0,9	0,88
400	300	102	220	A3S21F6D400F	A3V21F6D400F	A3I21F6D400F	1,0	0,97	A3Z21F6D400F	1,0	1,06
500	300	102	220	A3S21F6D500F	A3V21F6D500F	A3I21F6D500F	1,0	1,10	A3Z21F6D500F	1,0	1,20
600	300	102	220	A3S21F6D600F	A3V21F6D600F	A3I21F6D600F	1,0	1,28	A3Z21F6D600F	1,0	1,40
500	400	102	220	A3S21F7D500F	A3V21F7D500F	A3I21F7D500F	1,0	1,14	A3Z21F7D500F	1,0	1,24
600	400	102	220	A3S21F7D600F	A3V21F7D600F	A3I21F7D600F	1,0	1,28	A3Z21F7D600F	1,0	1,40
600	500	102	220	A3S21F8D600F	A3V21F8D600F	A3I21F8D600F	1,0	1,32	A3Z21F8D600F	1,0	1,44

Coperchio per riduzione destra

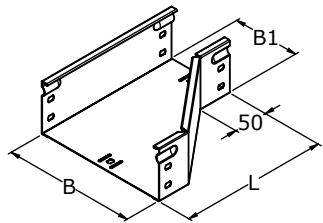
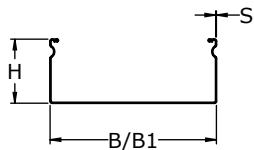
Right reduction cover



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
75	50	14	220	A3S21G1P075D	A3V21G1P075D	A3I21G1P075D	0,8	0,12	A3Z21G1P075E	0,9	0,15
100	50	14	220	A3S21G1P100D	A3V21G1P100D	A3I21G1P100D	0,8	0,13	A3Z21G1P100E	0,9	0,16
150	50	14	220	A3S21G1P150D	A3V21G1P150D	A3I21G1P150D	0,8	0,17	A3Z21G1P150E	0,9	0,21
200	50	14	220	A3S21G1P200D	A3V21G1P200D	A3I21G1P200D	0,8	0,19	A3Z21G1P200E	0,9	0,24
100	75	14	220	A3S21G2P100D	A3V21G2P100D	A3I21G2P100D	0,8	0,15	A3Z21G2P100E	0,9	0,19
150	75	14	220	A3S21G2P150D	A3V21G2P150D	A3I21G2P150D	0,8	0,19	A3Z21G2P150E	0,9	0,24
200	75	14	220	A3S21G2P200D	A3V21G2P200D	A3I21G2P200D	0,8	0,22	A3Z21G2P200E	0,9	0,27
300	75	14	220	A3S21G2P300D	A3V21G2P300D	A3I21G2P300D	0,8	0,27	A3Z21G2P300E	0,9	0,33
150	100	14	220	A3S21G3P150D	A3V21G3P150D	A3I21G3P150D	0,8	0,20	A3Z21G3P150E	0,9	0,25
200	100	14	220	A3S21G3P200D	A3V21G3P200D	A3I21G3P200D	0,8	0,24	A3Z21G3P200E	0,9	0,30

B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
300	100	14	220	A3S21G3P300D	A3V21G3P300D	A3I21G3P300D	0,8	0,29	A3Z21G3P300E	0,9	0,36
200	150	14	220	A3S21G4P200D	A3V21G4P200D	A3I21G4P200D	0,8	0,27	A3Z21G4P200E	0,9	0,33
300	150	14	220	A3S21G4P300D	A3V21G4P300D	A3I21G4P300D	0,8	0,33	A3Z21G4P300E	0,9	0,41
300	200	14	220	A3S21G5P300D	A3V21G5P300D	A3I21G5P300D	0,8	0,38	A3Z21G5P300E	0,9	0,47
400	300	14	220	A3S21G6P400D	A3V21G6P400D	A3I21G6P400D	0,8	0,52	A3Z21G6P400F	1,0	0,71
500	300	14	220	A3S21G6P500D	A3V21G6P500D	A3I21G6P500D	0,8	0,57	A3Z21G6P500F	1,0	0,78
600	300	14	220	A3S21G6P600D	A3V21G6P600D	A3I21G6P600D	0,8	0,64	A3Z21G6P600F	1,0	0,87
500	400	14	220	A3S21G7P500D	A3V21G7P500D	A3I21G7P500D	0,8	0,66	A3Z21G7P500F	1,0	0,90
600	400	14	220	A3S21G7P600D	A3V21G7P600D	A3I21G7P600D	0,8	0,71	A3Z21G7P600F	1,0	0,97
600	500	14	220	A3S21G8P600D	A3V21G8P600D	A3I21G8P600D	0,8	0,80	A3Z21G8P600F	1,0	1,09

Riduzione sinistra
Left reduction



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
75	50	52	220	A3S22F1B075D	A3V22F1B075D	A3I22F1B075D	0,8	0,29	A3Z22F1B075E	0,9	0,36
100	50	52	220	A3S22F1B100D	A3V22F1B100D	A3I22F1B100D	0,8	0,30	A3Z22F1B100E	0,9	0,37
150	50	52	220	A3S22F1B150D	A3V22F1B150D	A3I22F1B150D	0,8	0,36	A3Z22F1B150E	0,9	0,45
200	50	52	220	A3S22F1B200D	A3V22F1B200D	A3I22F1B200D	0,8	0,40	A3Z22F1B200E	0,9	0,50
100	75	52	220	A3S22F2B100D	A3V22F2B100D	A3I22F2B100D	0,8	0,33	A3Z22F2B100E	0,9	0,41
150	75	52	220	A3S22F2B150D	A3V22F2B150D	A3I22F2B150D	0,8	0,38	A3Z22F2B150E	0,9	0,47
200	75	52	220	A3S22F2B200D	A3V22F2B200D	A3I22F2B200D	0,8	0,42	A3Z22F2B200E	0,9	0,52
300	75	52	220	A3S22F2B300D	A3V22F2B300D	A3I22F2B300D	0,8	0,51	A3Z22F2B300E	0,9	0,63
150	100	52	220	A3S22F3B150D	A3V22F3B150D	A3I22F3B150D	0,8	0,37	A3Z22F3B150E	0,9	0,46
200	100	52	220	A3S22F3B200D	A3V22F3B200D	A3I22F3B200D	0,8	0,43	A3Z22F3B200E	0,9	0,53
300	100	52	220	A3S22F3B300D	A3V22F3B300D	A3I22F3B300D	0,8	0,51	A3Z22F3B300E	0,9	0,63
200	150	52	220	A3S22F4B200D	A3V22F4B200D	A3I22F4B200D	0,8	0,44	A3Z22F4B200E	0,9	0,54
300	150	52	220	A3S22F4B300D	A3V22F4B300D	A3I22F4B300D	0,8	0,53	A3Z22F4B300E	0,9	0,66
300	200	52	220	A3S22F5B300D	A3V22F5B300D	A3I22F5B300D	0,8	0,56	A3Z22F5B300E	0,9	0,69
400	300	52	220	A3S22F6B400F	A3V22F6B400F	A3I22F6B400F	1,0	0,82	A3Z22F6B400F	1,0	0,94
500	300	52	220	A3S22F6B500F	A3V22F6B500F	A3I22F6B500F	1,0	0,92	A3Z22F6B500F	1,0	1,00
600	300	52	220	A3S22F6B600F	A3V22F6B600F	A3I22F6B600F	1,0	1,07	A3Z22F6B600F	1,0	1,17
500	400	52	220	A3S22F7B500F	A3V22F7B500F	A3I22F7B500F	1,0	0,99	A3Z22F7B500F	1,0	1,08
600	400	52	220	A3S22F7B600F	A3V22F7B600F	A3I22F7B600F	1,0	1,10	A3Z22F7B600F	1,0	1,20
600	500	52	220	A3S22F8B600F	A3V22F8B600F	A3I22F8B600F	1,0	1,17	A3Z22F8B600F	1,0	1,28
100	75	77	220	A3S22F2C100D	A3V22F2C100D	A3I22F2C100D	0,8	0,40	A3Z22F2C100E	0,9	0,50
150	75	77	220	A3S22F2C150D	A3V22F2C150D	A3I22F2C150D	0,8	0,46	A3Z22F2C150E	0,9	0,57
200	75	77	220	A3S22F2C200D	A3V22F2C200D	A3I22F2C200D	0,8	0,50	A3Z22F2C200E	0,9	0,62
300	75	77	220	A3S22F2C300D	A3V22F2C300D	A3I22F2C300D	0,8	0,61	A3Z22F2C300E	0,9	0,75



IP40 con coperchio/with cover



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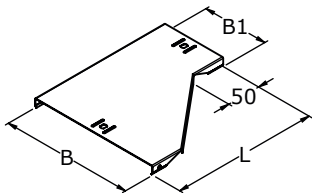
M10



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
150	100	77	220	A3S22F3C150D	A3V22F3C150D	A3I22F3C150D	0,8	0,44	A3Z22F3C150E	0,9	0,54
200	100	77	220	A3S22F3C200D	A3V22F3C200D	A3I22F3C200D	0,8	0,51	A3Z22F3C200E	0,9	0,63
300	100	77	220	A3S22F3C300D	A3V22F3C300D	A3I22F3C300D	0,8	0,60	A3Z22F3C300E	0,9	0,74
200	150	77	220	A3S22F4C200D	A3V22F4C200D	A3I22F4C200D	0,8	0,51	A3Z22F4C200E	0,9	0,63
300	150	77	220	A3S22F4C300D	A3V22F4C300D	A3I22F4C300D	0,8	0,62	A3Z22F4C300E	0,9	0,77
300	200	77	220	A3S22F5C300D	A3V22F5C300D	A3I22F5C300D	0,8	0,64	A3Z22F5C300E	0,9	0,79
400	300	77	220	A3S22F6C400F	A3V22F6C400F	A3I22F6C400F	1,0	0,90	A3Z22F6C400F	1,0	0,98
500	300	77	220	A3S22F6C500F	A3V22F6C500F	A3I22F6C500F	1,0	1,01	A3Z22F6C500F	1,0	1,10
600	300	77	220	A3S22F6C600F	A3V22F6C600F	A3I22F6C600F	1,0	1,18	A3Z22F6C600F	1,0	1,29
500	400	77	220	A3S22F7C500F	A3V22F7C500F	A3I22F7C500F	1,0	1,07	A3Z22F7C500F	1,0	1,17
600	400	77	220	A3S22F7C600F	A3V22F7C600F	A3I22F7C600F	1,0	1,19	A3Z22F7C600F	1,0	1,30
600	500	77	220	A3S22F8C600F	A3V22F8C600F	A3I22F8C600F	1,0	1,25	A3Z22F8C600F	1,0	1,36
150	100	102	220	A3S22F3D150D	A3V22F3D150D	A3I22F3D150D	0,8	0,52	A3Z22F3D150E	0,9	0,64
200	100	102	220	A3S22F3D200D	A3V22F3D200D	A3I22F3D200D	0,8	0,58	A3Z22F3D200E	0,9	0,72
300	100	102	220	A3S22F3D300D	A3V22F3D300D	A3I22F3D300D	0,8	0,69	A3Z22F3D300E	0,9	0,84
200	150	102	220	A3S22F4D200D	A3V22F4D200D	A3I22F4D200D	0,8	0,59	A3Z22F4D200E	0,9	0,73
300	150	102	220	A3S22F4D300D	A3V22F4D300D	A3I22F4D300D	0,8	0,69	A3Z22F4D300E	0,9	0,84
300	200	102	220	A3S22F5D300D	A3V22F5D300D	A3I22F5D300D	0,8	0,71	A3Z22F5D300E	0,9	0,88
400	300	102	220	A3S22F6D400F	A3V22F6D400F	A3I22F6D400F	1,0	0,97	A3Z22F6D400F	1,0	1,06
500	300	102	220	A3S22F6D500F	A3V22F6D500F	A3I22F6D500F	1,0	1,10	A3Z22F6D500F	1,0	1,20
600	300	102	220	A3S22F6D600F	A3V22F6D600F	A3I22F6D600F	1,0	1,28	A3Z22F6D600F	1,0	1,40
500	400	102	220	A3S22F7D500F	A3V22F7D500F	A3I22F7D500F	1,0	1,14	A3Z22F7D500F	1,0	1,24
600	400	102	220	A3S22F7D600F	A3V22F7D600F	A3I22F7D600F	1,0	1,28	A3Z22F7D600F	1,0	1,40
600	500	102	220	A3S22F8D600F	A3V22F8D600F	A3I22F8D600F	1,0	1,32	A3Z22F8D600F	1,0	1,44

Coperchio per riduzione sinistra

Left reduction cover



B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
75	50	14	220	A3S22G1P075D	A3V22G1P075D	A3I22G1P075D	0,8	0,12	A3Z22G1P075E	0,9	0,15
100	50	14	220	A3S22G1P100D	A3V22G1P100D	A3I22G1P100D	0,8	0,13	A3Z22G1P100E	0,9	0,16
150	50	14	220	A3S22G1P150D	A3V22G1P150D	A3I22G1P150D	0,8	0,17	A3Z22G1P150E	0,9	0,21
200	50	14	220	A3S22G1P200D	A3V22G1P200D	A3I22G1P200D	0,8	0,19	A3Z22G1P200E	0,9	0,24
100	75	14	220	A3S22G2P100D	A3V22G2P100D	A3I22G2P100D	0,8	0,15	A3Z22G2P100E	0,9	0,19
150	75	14	220	A3S22G2P150D	A3V22G2P150D	A3I22G2P150D	0,8	0,19	A3Z22G2P150E	0,9	0,24
200	75	14	220	A3S22G2P200D	A3V22G2P200D	A3I22G2P200D	0,8	0,22	A3Z22G2P200E	0,9	0,27
300	75	14	220	A3S22G2P300D	A3V22G2P300D	A3I22G2P300D	0,8	0,27	A3Z22G2P300E	0,9	0,33
150	100	14	220	A3S22G3P150D	A3V22G3P150D	A3I22G3P150D	0,8	0,20	A3Z22G3P150E	0,9	0,25
200	100	14	220	A3S22G3P200D	A3V22G3P200D	A3I22G3P200D	0,8	0,24	A3Z22G3P200E	0,9	0,30

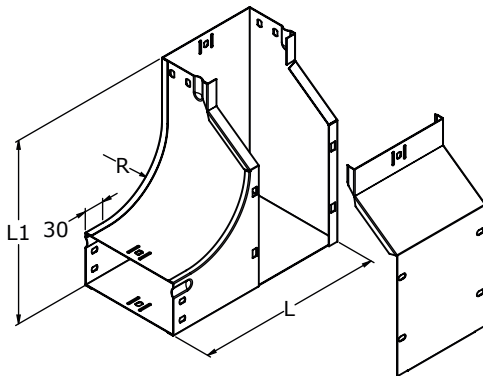
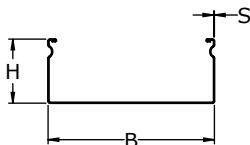
B mm	B1 mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
300	100	14	220	A3S22G3P300D	A3V22G3P300D	A3I22G3P300D	0,8	0,29	A3Z22G3P300E	0,9	0,36
200	150	14	220	A3S22G4P200D	A3V22G4P200D	A3I22G4P200D	0,8	0,27	A3Z22G4P200E	0,9	0,33
300	150	14	220	A3S22G4P300D	A3V22G4P300D	A3I22G4P300D	0,8	0,33	A3Z22G4P300E	0,9	0,41
300	200	14	220	A3S22G5P300D	A3V22G5P300D	A3I22G5P300D	0,8	0,38	A3Z22G5P300E	0,9	0,47
400	300	14	220	A3S22G6P400D	A3V22G6P400D	A3I22G6P400D	0,8	0,52	A3Z22G6P400F	1,0	0,71
500	300	14	220	A3S22G6P500D	A3V22G6P500D	A3I22G6P500D	0,8	0,57	A3Z22G6P500F	1,0	0,78
600	300	14	220	A3S22G6P600D	A3V22G6P600D	A3I22G6P600D	0,8	0,64	A3Z22G6P600F	1,0	0,87
500	400	14	220	A3S22G7P500D	A3V22G7P500D	A3I22G7P500D	0,8	0,66	A3Z22G7P500F	1,0	0,90
600	400	14	220	A3S22G7P600D	A3V22G7P600D	A3I22G7P600D	0,8	0,71	A3Z22G7P600F	1,0	0,97
600	500	14	220	A3S22G8P600D	A3V22G8P600D	A3I22G8P600D	0,8	0,80	A3Z22G8P600F	1,0	1,09

Curva sghemba a 90° sinistra verso l'alto
90° skew left rising bend

CE

R=100 mm

M11



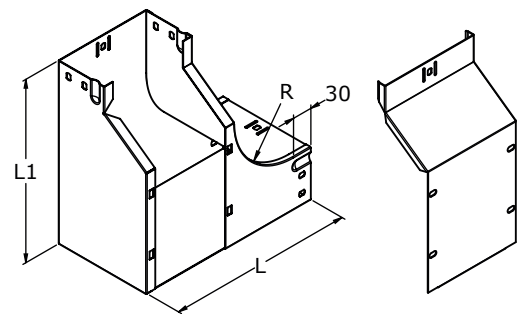
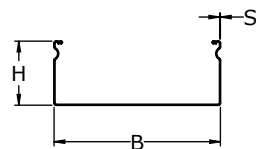
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	180	205	A3S39F1B050D	A3V39F1B050D	A3I39F1B050D	0,8	0,43	A3Z39F1B050E	0,9	0,53
75	52	205	240	A3S39F1B075D	A3V39F1B075D	A3I39F1B075D	0,8	0,69	A3Z39F1B075E	0,9	0,84
100	52	230	240	A3S39F1B100D	A3V39F1B100D	A3I39F1B100D	0,8	0,87	A3Z39F1B100E	0,9	1,08
150	52	280	240	A3S39F1B150D	A3V39F1B150D	A3I39F1B150D	0,8	1,29	A3Z39F1B150E	0,9	1,60
200	52	330	240	A3S39F1B200D	A3V39F1B200D	A3I39F1B200D	0,8	1,78	A3Z39F1B200E	0,9	2,20
300	52	430	240	A3S39F1B300D	A3V39F1B300D	A3I39F1B300D	0,8	2,96	A3Z39F1B300E	0,9	3,66
400	52	530	290	A3S39F1B400F	A3V39F1B400F	A3I39F1B400F	1,0	5,92	A3Z39F1B400F	1,0	6,45
500	52	630	340	A3S39F1B500F	A3V39F1B500F	A3I39F1B500F	1,0	7,96	A3Z39F1B500F	1,0	8,68
600	52	730	390	A3S39F1B600F	A3V39F1B600F	A3I39F1B600F	1,0	11,77	A3Z39F1B600F	1,0	12,83
75	77	205	265	A3S39F1C075D	A3V39F1C075D	A3I39F1C075D	0,8	0,79	A3Z39F1C075E	0,9	0,98
100	77	230	265	A3S39F1C100D	A3V39F1C100D	A3I39F1C100D	0,8	0,98	A3Z39F1C100E	0,9	1,21
150	77	280	265	A3S39F1C150D	A3V39F1C150D	A3I39F1C150D	0,8	1,43	A3Z39F1C150E	0,9	1,77
200	77	330	265	A3S39F1C200D	A3V39F1C200D	A3I39F1C200D	0,8	2,00	A3Z39F1C200E	0,9	2,48
300	77	430	265	A3S39F1C300D	A3V39F1C300D	A3I39F1C300D	0,8	3,19	A3Z39F1C300E	0,9	3,95
400	77	530	315	A3S39F1C400F	A3V39F1C400F	A3I39F1C400F	1,0	6,28	A3Z39F1C400F	1,0	6,85
500	77	630	365	A3S39F1C500F	A3V39F1C500F	A3I39F1C500F	1,0	9,03	A3Z39F1C500F	1,0	9,83
600	77	730	415	A3S39F1C600F	A3V39F1C600F	A3I39F1C600F	1,0	12,27	A3Z39F1C600F	1,0	13,37
100	102	230	290	A3S39F1D100D	A3V39F1D100D	A3I39F1D100D	0,8	1,09	A3Z39F1D100E	0,9	1,35
150	102	280	290	A3S39F1D150D	A3V39F1D150D	A3I39F1D150D	0,8	1,56	A3Z39F1D150E	0,9	1,93
200	102	330	290	A3S39F1D200D	A3V39F1D200D	A3I39F1D200D	0,8	2,11	A3Z39F1D200E	0,9	2,61
300	102	430	290	A3S39F1D300D	A3V39F1D300D	A3I39F1D300D	0,8	3,39	A3Z39F1D300E	0,9	4,20
400	102	530	340	A3S39F1D400F	A3V39F1D400F	A3I39F1D400F	1,0	6,59	A3Z39F1D400F	1,0	7,18
500	102	630	390	A3S39F1D500F	A3V39F1D500F	A3I39F1D500F	1,0	9,42	A3Z39F1D500F	1,0	10,27
600	102	730	440	A3S39F1D600F	A3V39F1D600F	A3I39F1D600F	1,0	12,71	A3Z39F1D600F	1,0	13,85

Curva sgheмба a 90° destra verso l'alto
90° skew right rising bend

CE

R=100 mm

M12



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	52	180	205	A3S40F1B050D	A3V40F1B050D	A3I40F1B050D	0,8	0,43	A3Z40F1B050E	0,9	0,53
75	52	205	240	A3S40F1B075D	A3V40F1B075D	A3I40F1B075D	0,8	0,69	A3Z40F1B075E	0,9	0,84
100	52	230	240	A3S40F1B100D	A3V40F1B100D	A3I40F1B100D	0,8	0,87	A3Z40F1B100E	0,9	1,08
150	52	280	240	A3S40F1B150D	A3V40F1B150D	A3I40F1B150D	0,8	1,29	A3Z40F1B150E	0,9	1,60
200	52	330	240	A3S40F1B200D	A3V40F1B200D	A3I40F1B200D	0,8	1,78	A3Z40F1B200E	0,9	2,20
300	52	430	240	A3S40F1B300D	A3V40F1B300D	A3I40F1B300D	0,8	2,96	A3Z40F1B300E	0,9	3,66
400	52	530	290	A3S40F1B400F	A3V40F1B400F	A3I40F1B400F	1,0	5,92	A3Z40F1B400F	1,0	6,45
500	52	630	340	A3S40F1B500F	A3V40F1B500F	A3I40F1B500F	1,0	7,96	A3Z40F1B500F	1,0	8,68
600	52	730	390	A3S40F1B600F	A3V40F1B600F	A3I40F1B600F	1,0	11,77	A3Z40F1B600F	1,0	12,83
75	77	205	265	A3S40F1C075D	A3V40F1C075D	A3I40F1C075D	0,8	0,79	A3Z40F1C075E	0,9	0,98
100	77	230	265	A3S40F1C100D	A3V40F1C100D	A3I40F1C100D	0,8	0,98	A3Z40F1C100E	0,9	1,21
150	77	280	265	A3S40F1C150D	A3V40F1C150D	A3I40F1C150D	0,8	1,43	A3Z40F1C150E	0,9	1,77
200	77	330	265	A3S40F1C200D	A3V40F1C200D	A3I40F1C200D	0,8	2,00	A3Z40F1C200E	0,9	2,48
300	77	430	265	A3S40F1C300D	A3V40F1C300D	A3I40F1C300D	0,8	3,19	A3Z40F1C300E	0,9	3,95
400	77	530	315	A3S40F1C400F	A3V40F1C400F	A3I40F1C400F	1,0	6,28	A3Z40F1C400F	1,0	6,85
500	77	630	365	A3S40F1C500F	A3V40F1C500F	A3I40F1C500F	1,0	9,03	A3Z40F1C500F	1,0	9,83
600	77	730	415	A3S40F1C600F	A3V40F1C600F	A3I40F1C600F	1,0	12,27	A3Z40F1C600F	1,0	13,37
100	102	230	290	A3S40F1D100D	A3V40F1D100D	A3I40F1D100D	0,8	1,09	A3Z40F1D100E	0,9	1,35
150	102	280	290	A3S40F1D150D	A3V40F1D150D	A3I40F1D150D	0,8	1,56	A3Z40F1D150E	0,9	1,93
200	102	330	290	A3S40F1D200D	A3V40F1D200D	A3I40F1D200D	0,8	2,11	A3Z40F1D200E	0,9	2,61
300	102	430	290	A3S40F1D300D	A3V40F1D300D	A3I40F1D300D	0,8	3,39	A3Z40F1D300E	0,9	4,20
400	102	530	340	A3S40F1D400F	A3V40F1D400F	A3I40F1D400F	1,0	6,59	A3Z40F1D400F	1,0	7,18
500	102	630	390	A3S40F1D500F	A3V40F1D500F	A3I40F1D500F	1,0	9,42	A3Z40F1D500F	1,0	10,27
600	102	730	440	A3S40F1D600F	A3V40F1D600F	A3I40F1D600F	1,0	12,71	A3Z40F1D600F	1,0	13,85

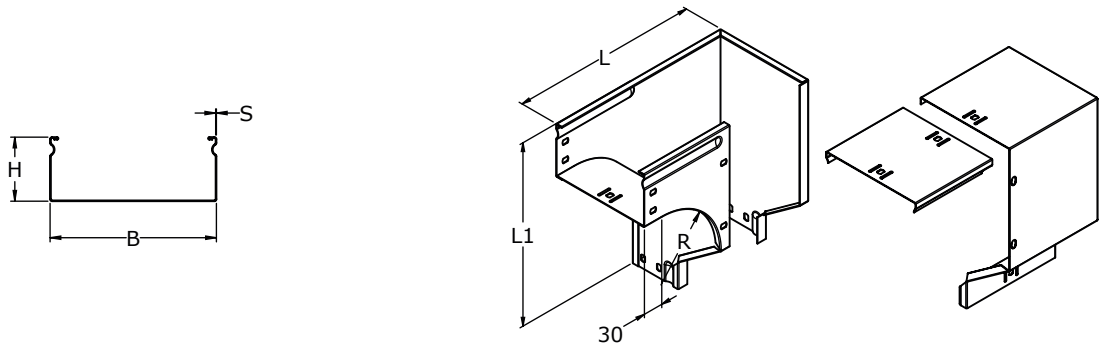
Curva sgheмба a 90° sinistra verso il basso
90° skew left falling bend



-

R=100 mm

M13 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	52	180	205	A3S41F1B050D	A3V41F1B050D	A3I41F1B050D	0,8	0,59	A3Z41F1B050E	0,9	0,73
75	52	205	240	A3S41F1B075D	A3V41F1B075D	A3I41F1B075D	0,8	0,87	A3Z41F1B075E	0,9	1,08
100	52	230	240	A3S41F1B100D	A3V41F1B100D	A3I41F1B100D	0,8	1,05	A3Z41F1B100E	0,9	1,30
150	52	280	240	A3S41F1B150D	A3V41F1B150D	A3I41F1B150D	0,8	1,49	A3Z41F1B150E	0,9	1,84
200	52	330	240	A3S41F1B200D	A3V41F1B200D	A3I41F1B200D	0,8	1,92	A3Z41F1B200E	0,9	2,38
300	52	430	240	A3S41F1B300D	A3V41F1B300D	A3I41F1B300D	0,8	2,93	A3Z41F1B300E	0,9	3,63
400	52	530	290	A3S41F1B400F	A3V41F1B400F	A3I41F1B400F	1,0	5,95	A3Z41F1B400F	1,0	6,49
500	52	630	340	A3S41F1B500F	A3V41F1B500F	A3I41F1B500F	1,0	8,52	A3Z41F1B500F	1,0	9,29
600	52	730	390	A3S41F1B600F	A3V41F1B600F	A3I41F1B600F	1,0	11,56	A3Z41F1B600F	1,0	12,60
75	77	205	265	A3S41F1C075D	A3V41F1C075D	A3I41F1C075D	0,8	0,96	A3Z41F1C075E	0,9	1,19
100	77	230	265	A3S41F1C100D	A3V41F1C100D	A3I41F1C100D	0,8	1,19	A3Z41F1C100E	0,9	1,47
150	77	280	265	A3S41F1C150D	A3V41F1C150D	A3I41F1C150D	0,8	1,67	A3Z41F1C150E	0,9	2,07
200	77	330	265	A3S41F1C200D	A3V41F1C200D	A3I41F1C200D	0,8	2,14	A3Z41F1C200E	0,9	2,65
300	77	430	265	A3S41F1C300D	A3V41F1C300D	A3I41F1C300D	0,8	3,24	A3Z41F1C300E	0,9	4,01
400	77	530	315	A3S41F1C400F	A3V41F1C400F	A3I41F1C400F	1,0	6,08	A3Z41F1C400F	1,0	6,63
500	77	630	365	A3S41F1C500F	A3V41F1C500F	A3I41F1C500F	1,0	8,69	A3Z41F1C500F	1,0	9,47
600	77	730	415	A3S41F1C600F	A3V41F1C600F	A3I41F1C600F	1,0	11,78	A3Z41F1C600F	1,0	12,84
100	102	230	290	A3S41F1D100D	A3V41F1D100D	A3I41F1D100D	0,8	1,29	A3Z41F1D100E	0,9	1,60
150	102	280	290	A3S41F1D150D	A3V41F1D150D	A3I41F1D150D	0,8	1,70	A3Z41F1D150E	0,9	2,10
200	102	330	290	A3S41F1D200D	A3V41F1D200D	A3I41F1D200D	0,8	2,24	A3Z41F1D200E	0,9	2,77
300	102	430	290	A3S41F1D300D	A3V41F1D300D	A3I41F1D300D	0,8	3,51	A3Z41F1D300E	0,9	4,34
400	102	530	340	A3S41F1D400F	A3V41F1D400F	A3I41F1D400F	1,0	6,25	A3Z41F1D400F	1,0	6,81
500	102	630	390	A3S41F1D500F	A3V41F1D500F	A3I41F1D500F	1,0	8,88	A3Z41F1D500F	1,0	9,68
600	102	730	440	A3S41F1D600F	A3V41F1D600F	A3I41F1D600F	1,0	11,97	A3Z41F1D600F	1,0	13,05

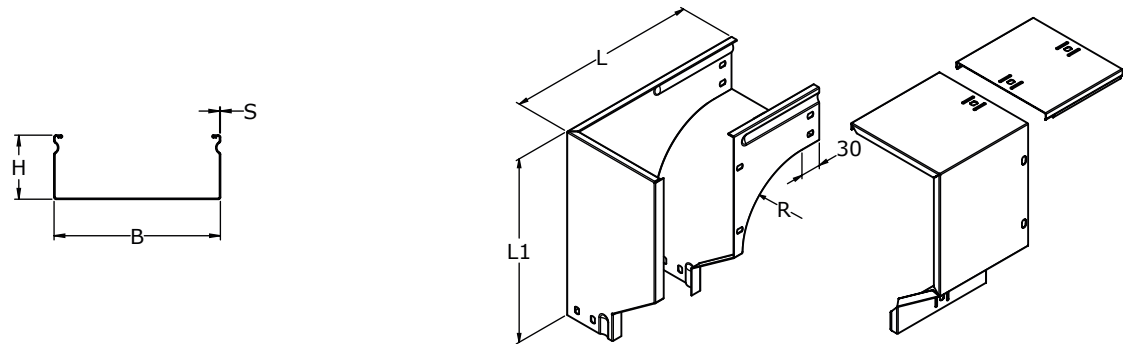
Curva sgheмба a 90° destra verso il basso
90° skew right falling bend



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R=100 mm

M14 ↗

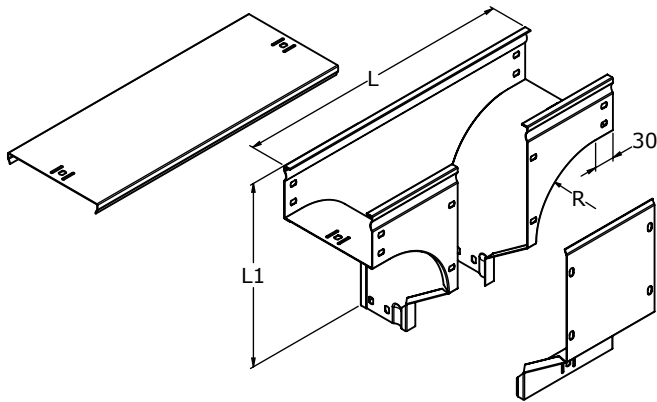
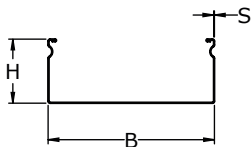


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	52	180	205	A3S42F1B050D	A3V42F1B050D	A3I42F1B050D	0,8	0,59	A3Z42F1B050E	0,9	0,73
75	52	205	240	A3S42F1B075D	A3V42F1B075D	A3I42F1B075D	0,8	0,87	A3Z42F1B075E	0,9	1,08
100	52	230	240	A3S42F1B100D	A3V42F1B100D	A3I42F1B100D	0,8	1,05	A3Z42F1B100E	0,9	1,30
150	52	280	240	A3S42F1B150D	A3V42F1B150D	A3I42F1B150D	0,8	1,49	A3Z42F1B150E	0,9	1,84
200	52	330	240	A3S42F1B200D	A3V42F1B200D	A3I42F1B200D	0,8	1,92	A3Z42F1B200E	0,9	2,38
300	52	430	240	A3S42F1B300D	A3V42F1B300D	A3I42F1B300D	0,8	2,93	A3Z42F1B300E	0,9	3,63
400	52	530	290	A3S42F1B400F	A3V42F1B400F	A3I42F1B400F	1,0	5,95	A3Z42F1B400F	1,0	6,49
500	52	630	340	A3S42F1B500F	A3V42F1B500F	A3I42F1B500F	1,0	8,52	A3Z42F1B500F	1,0	9,29
600	52	730	390	A3S42F1B600F	A3V42F1B600F	A3I42F1B600F	1,0	11,56	A3Z42F1B600F	1,0	12,60
75	77	205	265	A3S42F1C075D	A3V42F1C075D	A3I42F1C075D	0,8	0,96	A3Z42F1C075E	0,9	1,19
100	77	230	265	A3S42F1C100D	A3V42F1C100D	A3I42F1C100D	0,8	1,19	A3Z42F1C100E	0,9	1,47
150	77	280	265	A3S42F1C150D	A3V42F1C150D	A3I42F1C150D	0,8	1,67	A3Z42F1C150E	0,9	2,07
200	77	330	265	A3S42F1C200D	A3V42F1C200D	A3I42F1C200D	0,8	2,14	A3Z42F1C200E	0,9	2,65
300	77	430	265	A3S42F1C300D	A3V42F1C300D	A3I42F1C300D	0,8	3,24	A3Z42F1C300E	0,9	4,01
400	77	530	315	A3S42F1C400F	A3V42F1C400F	A3I42F1C400F	1,0	6,08	A3Z42F1C400F	1,0	6,63
500	77	630	365	A3S42F1C500F	A3V42F1C500F	A3I42F1C500F	1,0	8,69	A3Z42F1C500F	1,0	9,47
600	77	730	415	A3S42F1C600F	A3V42F1C600F	A3I42F1C600F	1,0	11,78	A3Z42F1C600F	1,0	12,84
100	102	230	290	A3S42F1D100D	A3V42F1D100D	A3I42F1D100D	0,8	1,29	A3Z42F1D100E	0,9	1,60
150	102	280	290	A3S42F1D150D	A3V42F1D150D	A3I42F1D150D	0,8	1,70	A3Z42F1D150E	0,9	2,10
200	102	330	290	A3S42F1D200D	A3V42F1D200D	A3I42F1D200D	0,8	2,24	A3Z42F1D200E	0,9	2,77
300	102	430	290	A3S42F1D300D	A3V42F1D300D	A3I42F1D300D	0,8	3,51	A3Z42F1D300E	0,9	4,34
400	102	530	340	A3S42F1D400F	A3V42F1D400F	A3I42F1D400F	1,0	6,25	A3Z42F1D400F	1,0	6,81
500	102	630	390	A3S42F1D500F	A3V42F1D500F	A3I42F1D500F	1,0	8,88	A3Z42F1D500F	1,0	9,68
600	102	730	440	A3S42F1D600F	A3V42F1D600F	A3I42F1D600F	1,0	11,97	A3Z42F1D600F	1,0	13,05

Derivazione a "T" vert. verso il basso con VP
Falling vert. "T" derivation with PV



-	
R=100 mm	M15 ↗



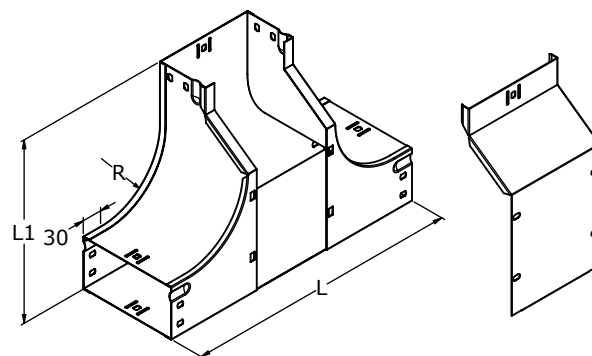
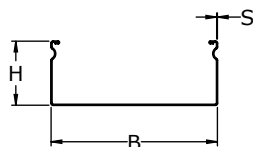
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	310	205	A3S43F1B050D	A3V43F1B050D	A3I43F1B050D	0,8	0,85	A3Z43F1B050E	0,9	1,10
75	52	335	240	A3S43F1B075D	A3V43F1B075D	A3I43F1B075D	0,8	1,09	A3Z43F1B075E	0,9	1,35
100	52	360	240	A3S43F1B100D	A3V43F1B100D	A3I43F1B100D	0,8	1,29	A3Z43F1B100E	0,9	1,60
150	52	410	240	A3S43F1B150D	A3V43F1B150D	A3I43F1B150D	0,8	1,73	A3Z43F1B150E	0,9	2,14
200	52	460	240	A3S43F1B200D	A3V43F1B200D	A3I43F1B200D	0,8	2,36	A3Z43F1B200E	0,9	2,92
300	52	560	240	A3S43F1B300D	A3V43F1B300D	A3I43F1B300D	0,8	3,69	A3Z43F1B300E	0,9	4,57
400	52	660	290	A3S43F1B400F	A3V43F1B400F	A3I43F1B400F	1,0	5,84	A3Z43F1B400F	1,0	6,37
500	52	760	340	A3S43F1B500F	A3V43F1B500F	A3I43F1B500F	1,0	8,57	A3Z43F1B500F	1,0	9,34
600	52	860	390	A3S43F1B600F	A3V43F1B600F	A3I43F1B600F	1,0	11,48	A3Z43F1B600F	1,0	12,51
75	77	335	265	A3S43F1C075D	A3V43F1C075D	A3I43F1C075D	0,8	1,10	A3Z43F1C075E	0,9	1,36
100	77	360	265	A3S43F1C100D	A3V43F1C100D	A3I43F1C100D	0,8	1,41	A3Z43F1C100E	0,9	1,74
150	77	410	265	A3S43F1C150D	A3V43F1C150D	A3I43F1C150D	0,8	1,82	A3Z43F1C150E	0,9	2,25
200	77	460	265	A3S43F1C200D	A3V43F1C200D	A3I43F1C200D	0,8	2,55	A3Z43F1C200E	0,9	3,16
300	77	560	265	A3S43F1C300D	A3V43F1C300D	A3I43F1C300D	0,8	3,75	A3Z43F1C300E	0,9	4,64
400	77	660	315	A3S43F1C400F	A3V43F1C400F	A3I43F1C400F	1,0	6,13	A3Z43F1C400F	1,0	6,68
500	77	760	365	A3S43F1C500F	A3V43F1C500F	A3I43F1C500F	1,0	8,76	A3Z43F1C500F	1,0	9,55
600	77	860	415	A3S43F1C600F	A3V43F1C600F	A3I43F1C600F	1,0	11,71	A3Z43F1C600F	1,0	12,76
100	102	360	290	A3S43F1D100D	A3V43F1D100D	A3I43F1D100D	0,8	1,52	A3Z43F1D100E	0,9	1,98
150	102	410	290	A3S43F1D150D	A3V43F1D150D	A3I43F1D150D	0,8	1,92	A3Z43F1D150E	0,9	2,38
200	102	460	290	A3S43F1D200D	A3V43F1D200D	A3I43F1D200D	0,8	2,55	A3Z43F1D200E	0,9	3,16
300	102	560	290	A3S43F1D300D	A3V43F1D300D	A3I43F1D300D	0,8	3,84	A3Z43F1D300E	0,9	4,75
400	102	660	340	A3S43F1D400F	A3V43F1D400F	A3I43F1D400F	1,0	6,44	A3Z43F1D400F	1,0	7,02
500	102	760	390	A3S43F1D500F	A3V43F1D500F	A3I43F1D500F	1,0	8,75	A3Z43F1D500F	1,0	9,54
600	102	860	440	A3S43F1D600F	A3V43F1D600F	A3I43F1D600F	1,0	11,88	A3Z43F1D600F	1,0	12,95

Derivazione a "T" vert. verso l'alto con VP
Rising vert. "T" derivation with PV


CE

R=100 mm

M16 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	310	205	A3S44F1B050D	A3V44F1B050D	A3I44F1B050D	0,8	0,85	A3Z44F1B050E	0,9	1,10
75	52	335	240	A3S44F1B075D	A3V44F1B075D	A3I44F1B075D	0,8	1,09	A3Z44F1B075E	0,9	1,35
100	52	360	240	A3S44F1B100D	A3V44F1B100D	A3I44F1B100D	0,8	1,29	A3Z44F1B100E	0,9	1,60
150	52	410	240	A3S44F1B150D	A3V44F1B150D	A3I44F1B150D	0,8	1,73	A3Z44F1B150E	0,9	2,14
200	52	460	240	A3S44F1B200D	A3V44F1B200D	A3I44F1B200D	0,8	2,36	A3Z44F1B200E	0,9	2,92
300	52	560	240	A3S44F1B300D	A3V44F1B300D	A3I44F1B300D	0,8	3,69	A3Z44F1B300E	0,9	4,57
400	52	660	290	A3S44F1B400F	A3V44F1B400F	A3I44F1B400F	1,0	5,84	A3Z44F1B400F	1,0	6,37
500	52	760	340	A3S44F1B500F	A3V44F1B500F	A3I44F1B500F	1,0	8,57	A3Z44F1B500F	1,0	9,34
600	52	860	390	A3S44F1B600F	A3V44F1B600F	A3I44F1B600F	1,0	11,48	A3Z44F1B600F	1,0	12,51
75	77	335	265	A3S44F1C075D	A3V44F1C075D	A3I44F1C075D	0,8	1,10	A3Z44F1C075E	0,9	1,36
100	77	360	265	A3S44F1C100D	A3V44F1C100D	A3I44F1C100D	0,8	1,41	A3Z44F1C100E	0,9	1,74
150	77	410	265	A3S44F1C150D	A3V44F1C150D	A3I44F1C150D	0,8	1,82	A3Z44F1C150E	0,9	2,25
200	77	460	265	A3S44F1C200D	A3V44F1C200D	A3I44F1C200D	0,8	2,55	A3Z44F1C200E	0,9	3,16
300	77	560	265	A3S44F1C300D	A3V44F1C300D	A3I44F1C300D	0,8	3,75	A3Z44F1C300E	0,9	4,64
400	77	660	315	A3S44F1C400F	A3V44F1C400F	A3I44F1C400F	1,0	6,13	A3Z44F1C400F	1,0	6,68
500	77	760	365	A3S44F1C500F	A3V44F1C500F	A3I44F1C500F	1,0	8,76	A3Z44F1C500F	1,0	9,55
600	77	860	415	A3S44F1C600F	A3V44F1C600F	A3I44F1C600F	1,0	11,71	A3Z44F1C600F	1,0	12,76
100	102	360	290	A3S44F1D100D	A3V44F1D100D	A3I44F1D100D	0,8	1,52	A3Z44F1D100E	0,9	1,98
150	102	410	290	A3S44F1D150D	A3V44F1D150D	A3I44F1D150D	0,8	1,92	A3Z44F1D150E	0,9	2,38
200	102	460	290	A3S44F1D200D	A3V44F1D200D	A3I44F1D200D	0,8	2,55	A3Z44F1D200E	0,9	3,16
300	102	560	290	A3S44F1D300D	A3V44F1D300D	A3I44F1D300D	0,8	3,84	A3Z44F1D300E	0,9	4,75
400	102	660	340	A3S44F1D400F	A3V44F1D400F	A3I44F1D400F	1,0	6,44	A3Z44F1D400F	1,0	7,02
500	102	760	390	A3S44F1D500F	A3V44F1D500F	A3I44F1D500F	1,0	8,75	A3Z44F1D500F	1,0	9,54
600	102	860	440	A3S44F1D600F	A3V44F1D600F	A3I44F1D600F	1,0	11,88	A3Z44F1D600F	1,0	12,95

Riduzione di altezza
Height reduction



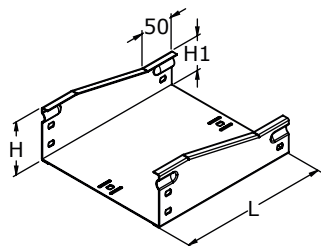
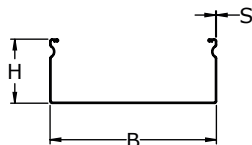
IP40 con coperchio/with cover



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M17





B mm	H mm	L mm	H1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
75	77	220	51	A3S23F1C075D	A3V23F1C075D	A3I23F1C075D	0,8	0,35	A3Z23F1C075E	0,9	0,43
100	77	220	51	A3S23F1C100D	A3V23F1C100D	A3I23F1C100D	0,8	0,39	A3Z23F1C100E	0,9	0,48
150	77	220	51	A3S23F1C150D	A3V23F1C150D	A3I23F1C150D	0,8	0,46	A3Z23F1C150E	0,9	0,57
200	77	220	51	A3S23F1C200D	A3V23F1C200D	A3I23F1C200D	0,8	0,53	A3Z23F1C200E	0,9	0,66
300	77	220	51	A3S23F1C300D	A3V23F1C300D	A3I23F1C300D	0,8	0,66	A3Z23F1C300E	0,9	0,82
400	77	220	51	A3S23F1C400F	A3V23F1C400F	A3I23F1C400F	1,0	0,94	A3Z23F1C400F	1,0	1,01
500	77	220	51	A3S23F1C500F	A3V23F1C500F	A3I23F1C500F	1,0	1,11	A3Z23F1C500F	1,0	1,21
600	77	220	51	A3S23F1C600F	A3V23F1C600F	A3I23F1C600F	1,0	1,29	A3Z23F1C600F	1,0	1,48
100	102	220	78	A3S23F1D100D	A3V23F1D100D	A3I23F1D100D	0,8	0,46	A3Z23F1D100E	0,9	0,57
150	102	220	78	A3S23F1D150D	A3V23F1D150D	A3I23F1D150D	0,8	0,53	A3Z23F1D150E	0,9	0,66
200	102	220	78	A3S23F1D200D	A3V23F1D200D	A3I23F1D200D	0,8	0,60	A3Z23F1D200E	0,9	0,74
300	102	220	78	A3S23F1D300D	A3V23F1D300D	A3I23F1D300D	0,8	0,73	A3Z23F1D300E	0,9	0,90
400	102	220	78	A3S23F1D400F	A3V23F1D400F	A3I23F1D400F	1,0	1,01	A3Z23F1D400F	1,0	1,10
500	102	220	78	A3S23F1D500F	A3V23F1D500F	A3I23F1D500F	1,0	1,18	A3Z23F1D500F	1,0	1,29
600	102	220	78	A3S23F1D600F	A3V23F1D600F	A3I23F1D600F	1,0	1,36	A3Z23F1D600F	1,0	1,56

Coperchio per riduzione di altezza

Height reduction cover

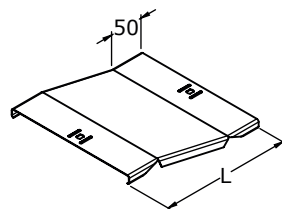
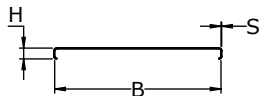


IP40 con coperchio/with cover



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M17 ↗



B mm	H mm	L mm	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
75	14	220	-	A3S23F1C075D	A3V23F1C075D	A3I23F1C075D	0,8	0,14	A3Z23G1P075E	0,9	0,17
100	14	220	-	A3S23F1C100D	A3V23F1C100D	A3I23F1C100D	0,8	0,17	A3Z23G1P100E	0,9	0,21
150	14	220	-	A3S23F1C150D	A3V23F1C150D	A3I23F1C150D	0,8	0,24	A3Z23G1P150E	0,9	0,30
200	14	220	-	A3S23F1C200D	A3V23F1C200D	A3I23F1C200D	0,8	0,31	A3Z23G1P200E	0,9	0,38
300	14	220	-	A3S23F1C300D	A3V23F1C300D	A3I23F1C300D	0,8	0,45	A3Z23G1P300E	0,9	0,56
400	14	220	-	A3S23D1C400D	A3V23D1C400D	A3I23D1C400D	0,8	0,59	A3Z23G1P400F	1,0	0,80
500	14	220	-	A3S23D1C500D	A3V23D1C500D	A3I23D1C500D	0,8	0,73	A3Z23G1P500F	1,0	0,99
600	14	220	-	A3S23D1C600D	A3V23D1C600D	A3I23D1C600D	0,8	0,87	A3Z23G1P600F	1,0	1,19

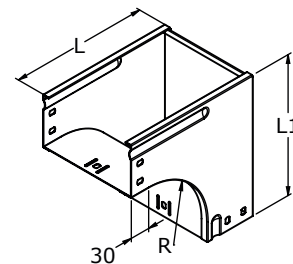
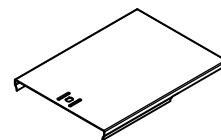
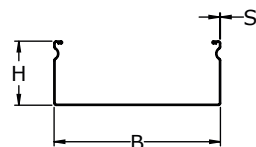
Curva vert. a 90° con VP
90° vert. blend with PV


CE

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R=100 mm

M18 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	180	180	A3S38F1B050D	A3V38F1B050D	A3I38F1B050D	0,8	0,50	A3Z38F1B050E	0,9	0,62
75	52	180	180	A3S38F1B075D	A3V38F1B075D	A3I38F1B075D	0,8	0,59	A3Z38F1B075E	0,9	0,73
100	52	180	180	A3S38F1B100D	A3V38F1B100D	A3I38F1B100D	0,8	0,67	A3Z38F1B100E	0,9	0,83
150	52	180	180	A3S38F1B150D	A3V38F1B150D	A3I38F1B150D	0,8	0,84	A3Z38F1B150E	0,9	1,04
200	52	180	180	A3S38F1B200D	A3V38F1B200D	A3I38F1B200D	0,8	1,01	A3Z38F1B200E	0,9	1,25
300	52	180	180	A3S38F1B300D	A3V38F1B300D	A3I38F1B300D	0,8	1,34	A3Z38F1B300E	0,9	1,66
400	52	180	180	A3S38F1B400F	A3V38F1B400F	A3I38F1B400F	1,0	1,88	A3Z38F1B400F	1,0	2,05
500	52	180	180	A3S38F1B500F	A3V38F1B500F	A3I38F1B500F	1,0	2,26	A3Z38F1B500F	1,0	2,46
600	52	180	180	A3S38F1B600F	A3V38F1B600F	A3I38F1B600F	1,0	2,65	A3Z38F1B600F	1,0	2,89
75	77	205	205	A3S38F1C075D	A3V38F1C075D	A3I38F1C075D	0,8	0,75	A3Z38F1C075E	0,9	0,93
100	77	205	205	A3S38F1C100D	A3V38F1C100D	A3I38F1C100D	0,8	0,84	A3Z38F1C100E	0,9	1,04
150	77	205	205	A3S38F1C150D	A3V38F1C150D	A3I38F1C150D	0,8	1,03	A3Z38F1C150E	0,9	1,27
200	77	205	205	A3S38F1C200D	A3V38F1C200D	A3I38F1C200D	0,8	1,21	A3Z38F1C200E	0,9	1,50
300	77	205	205	A3S38F1C300D	A3V38F1C300D	A3I38F1C300D	0,8	1,58	A3Z38F1C300E	0,9	1,96
400	77	205	205	A3S38F1C400F	A3V38F1C400F	A3I38F1C400F	1,0	2,19	A3Z38F1C400F	1,0	2,39
500	77	205	205	A3S38F1C500F	A3V38F1C500F	A3I38F1C500F	1,0	2,61	A3Z38F1C500F	1,0	2,84
600	77	205	205	A3S38F1C600F	A3V38F1C600F	A3I38F1C600F	1,0	3,04	A3Z38F1C600F	1,0	3,31
100	102	230	230	A3S38F1D100D	A3V38F1D100D	A3I38F1D100D	0,8	1,02	A3Z38F1D100E	0,9	1,26
150	102	230	230	A3S38F1D150D	A3V38F1D150D	A3I38F1D150D	0,8	1,26	A3Z38F1D150E	0,9	1,56
200	102	230	230	A3S38F1D200D	A3V38F1D200D	A3I38F1D200D	0,8	1,43	A3Z38F1D200E	0,9	1,77
300	102	230	230	A3S38F1D300D	A3V38F1D300D	A3I38F1D300D	0,8	1,83	A3Z38F1D300E	0,9	2,26
400	102	230	230	A3S38F1D400F	A3V38F1D400F	A3I38F1D400F	1,0	2,50	A3Z38F1D400F	1,0	2,73
500	102	230	230	A3S38F1D500F	A3V38F1D500F	A3I38F1D500F	1,0	2,96	A3Z38F1D500F	1,0	3,23
600	102	230	230	A3S38F1D600F	A3V38F1D600F	A3I38F1D600F	1,0	3,44	A3Z38F1D600F	1,0	3,75

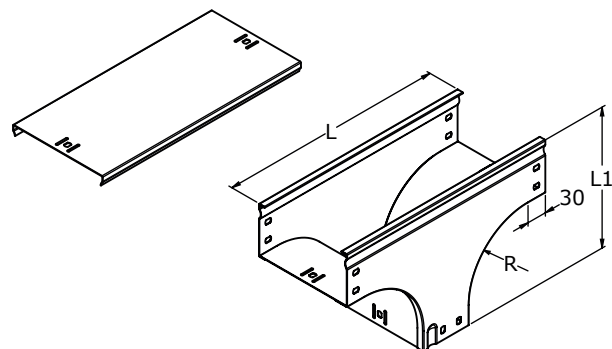
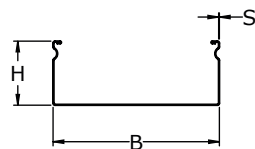
Derivazione a "T" vert. verso il basso
Falling vert. "T" derivation



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R=100 mm

M19 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	52	310	180	A3S45F1B050D	A3V45F1B050D	A3I45F1B050D	0,8	0,76	A3Z45F1B050E	0,9	0,94
75	52	310	180	A3S45F1B075D	A3V45F1B075D	A3I45F1B075D	0,8	0,88	A3Z45F1B075E	0,9	1,09
100	52	310	180	A3S45F1B100D	A3V45F1B100D	A3I45F1B100D	0,8	1,00	A3Z45F1B100E	0,9	1,24
150	52	310	180	A3S45F1B150D	A3V45F1B150D	A3I45F1B150D	0,8	1,23	A3Z45F1B150E	0,9	1,58
200	52	310	180	A3S45F1B200D	A3V45F1B200D	A3I45F1B200D	0,8	1,47	A3Z45F1B200E	0,9	1,85
300	52	310	180	A3S45F1B300D	A3V45F1B300D	A3I45F1B300D	0,8	1,94	A3Z45F1B300E	0,9	2,39
400	52	310	180	A3S45F1B400F	A3V45F1B400F	A3I45F1B400F	1,0	2,79	A3Z45F1B400F	1,0	3,05
500	52	310	180	A3S45F1B500F	A3V45F1B500F	A3I45F1B500F	1,0	3,33	A3Z45F1B500F	1,0	3,63
600	52	310	180	A3S45F1B600F	A3V45F1B600F	A3I45F1B600F	1,0	3,88	A3Z45F1B600F	1,0	4,22
75	77	335	205	A3S45F1C075D	A3V45F1C075D	A3I45F1C075D	0,8	1,06	A3Z45F1C075E	0,9	1,32
100	77	335	205	A3S45F1C100D	A3V45F1C100D	A3I45F1C100D	0,8	1,19	A3Z45F1C100E	0,9	1,54
150	77	335	205	A3S45F1C150D	A3V45F1C150D	A3I45F1C150D	0,8	1,43	A3Z45F1C150E	0,9	1,82
200	77	335	205	A3S45F1C200D	A3V45F1C200D	A3I45F1C200D	0,8	1,67	A3Z45F1C200E	0,9	2,10
300	77	335	205	A3S45F1C300D	A3V45F1C300D	A3I45F1C300D	0,8	2,16	A3Z45F1C300E	0,9	2,66
400	77	335	205	A3S45F1C400F	A3V45F1C400F	A3I45F1C400F	1,0	3,07	A3Z45F1C400F	1,0	3,35
500	77	335	205	A3S45F1C500F	A3V45F1C500F	A3I45F1C500F	1,0	3,63	A3Z45F1C500F	1,0	3,95
600	77	335	205	A3S45F1C600F	A3V45F1C600F	A3I45F1C600F	1,0	4,18	A3Z45F1C600F	1,0	4,56
100	102	360	230	A3S45F1D100D	A3V45F1D100D	A3I45F1D100D	0,8	1,39	A3Z45F1D100E	0,9	1,78
150	102	360	230	A3S45F1D150D	A3V45F1D150D	A3I45F1D150D	0,8	1,64	A3Z45F1D150E	0,9	2,08
200	102	360	230	A3S45F1D200D	A3V45F1D200D	A3I45F1D200D	0,8	1,90	A3Z45F1D200E	0,9	2,37
300	102	360	230	A3S45F1D300D	A3V45F1D300D	A3I45F1D300D	0,8	2,40	A3Z45F1D300E	0,9	2,94
400	102	360	230	A3S45F1D400F	A3V45F1D400F	A3I45F1D400F	1,0	3,37	A3Z45F1D400F	1,0	3,85
500	102	360	230	A3S45F1D500F	A3V45F1D500F	A3I45F1D500F	1,0	3,94	A3Z45F1D500F	1,0	4,51
600	102	360	230	A3S45F1D600F	A3V45F1D600F	A3I45F1D600F	1,0	4,51	A3Z45F1D600F	1,0	4,92

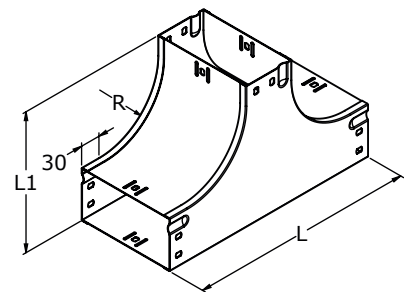
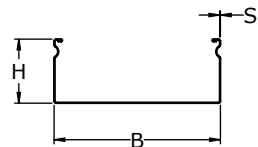
Derivazione a "T" vert. verso l'alto
Rising vert. "T" derivation

CE

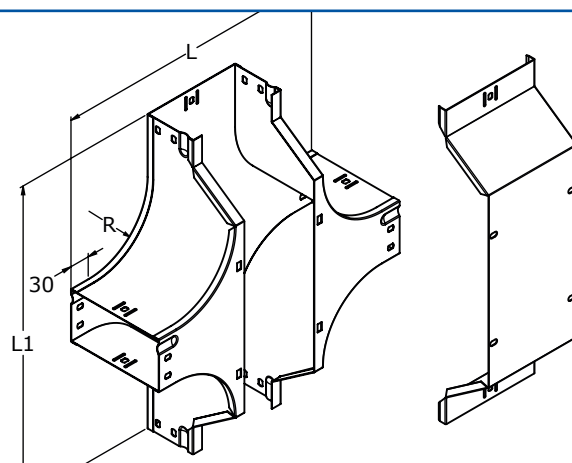
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R=100 mm

M20



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	310	180	A3S46F1B050D	A3V46F1B050D	A3I46F1B050D	0,8	0,65	A3Z46F1B050E	0,9	0,81
75	52	310	180	A3S46F1B075D	A3V46F1B075D	A3I46F1B075D	0,8	0,77	A3Z46F1B075E	0,9	0,95
100	52	310	180	A3S46F1B100D	A3V46F1B100D	A3I46F1B100D	0,8	0,89	A3Z46F1B100E	0,9	1,10
150	52	310	180	A3S46F1B150D	A3V46F1B150D	A3I46F1B150D	0,8	1,12	A3Z46F1B150E	0,9	1,39
200	52	310	180	A3S46F1B200D	A3V46F1B200D	A3I46F1B200D	0,8	1,36	A3Z46F1B200E	0,9	1,68
300	52	310	180	A3S46F1B300D	A3V46F1B300D	A3I46F1B300D	0,8	1,83	A3Z46F1B300E	0,9	2,30
400	52	310	180	A3S46F1B400F	A3V46F1B400F	A3I46F1B400F	1,0	2,87	A3Z46F1B400F	1,0	3,13
500	52	310	180	A3S46F1B500F	A3V46F1B500F	A3I46F1B500F	1,0	3,46	A3Z46F1B500F	1,0	3,77
600	52	310	180	A3S46F1B600F	A3V46F1B600F	A3I46F1B600F	1,0	4,05	A3Z46F1B600F	1,0	4,41
75	77	335	205	A3S46F1C075D	A3V46F1C075D	A3I46F1C075D	0,8	0,95	A3Z46F1C075E	0,9	1,17
100	77	335	205	A3S46F1C100D	A3V46F1C100D	A3I46F1C100D	0,8	1,07	A3Z46F1C100E	0,9	1,32
150	77	335	205	A3S46F1C150D	A3V46F1C150D	A3I46F1C150D	0,8	1,31	A3Z46F1C150E	0,9	1,62
200	77	335	205	A3S46F1C200D	A3V46F1C200D	A3I46F1C200D	0,8	1,55	A3Z46F1C200E	0,9	2,01
300	77	335	205	A3S46F1C300D	A3V46F1C300D	A3I46F1C300D	0,8	2,04	A3Z46F1C300E	0,9	2,52
400	77	335	205	A3S46F1C400F	A3V46F1C400F	A3I46F1C400F	1,0	3,15	A3Z46F1C400F	1,0	3,44
500	77	335	205	A3S46F1C500F	A3V46F1C500F	A3I46F1C500F	1,0	3,76	A3Z46F1C500F	1,0	4,10
600	77	335	205	A3S46F1C600F	A3V46F1C600F	A3I46F1C600F	1,0	4,37	A3Z46F1C600F	1,0	4,76
100	102	360	230	A3S46F1D100D	A3V46F1D100D	A3I46F1D100D	0,8	1,26	A3Z46F1D100E	0,9	1,56
150	102	360	230	A3S46F1D150D	A3V46F1D150D	A3I46F1D150D	0,8	1,51	A3Z46F1D150E	0,9	1,87
200	102	360	230	A3S46F1D200D	A3V46F1D200D	A3I46F1D200D	0,8	1,77	A3Z46F1D200E	0,9	2,28
300	102	360	230	A3S46F1D300D	A3V46F1D300D	A3I46F1D300D	0,8	2,27	A3Z46F1D300E	0,9	2,85
400	102	360	230	A3S46F1D400F	A3V46F1D400F	A3I46F1D400F	1,0	3,46	A3Z46F1D400F	1,0	3,77
500	102	360	230	A3S46F1D500F	A3V46F1D500F	A3I46F1D500F	1,0	4,09	A3Z46F1D500F	1,0	4,45
600	102	360	230	A3S46F1D600F	A3V46F1D600F	A3I46F1D600F	1,0	4,71	A3Z46F1D600F	1,0	5,14

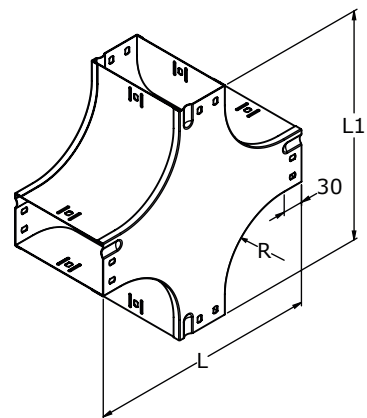
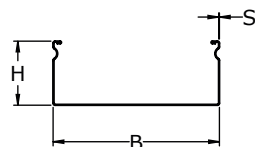
303

Derivazione a "X" vert.
Vert. "X" derivation



R=100 mm

M22 ↗

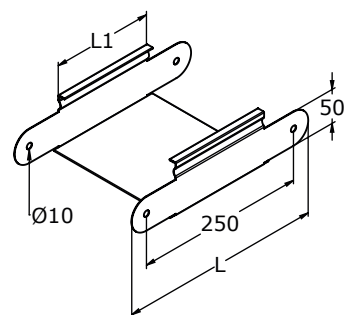
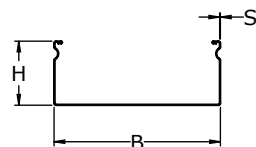


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	310	310	A3S48F1B050D	A3V48F1B050D	A3I48F1B050D	0,8	0,92	A3Z48F1B050E	0,9	1,14
75	52	310	310	A3S48F1B075D	A3V48F1B075D	A3I48F1B075D	0,8	1,06	A3Z48F1B075E	0,9	1,31
100	52	310	310	A3S48F1B100D	A3V48F1B100D	A3I48F1B100D	0,8	1,20	A3Z48F1B100E	0,9	1,49
150	52	310	310	A3S48F1B150D	A3V48F1B150D	A3I48F1B150D	0,8	1,48	A3Z48F1B150E	0,9	1,83
200	52	310	310	A3S48F1B200D	A3V48F1B200D	A3I48F1B200D	0,8	1,75	A3Z48F1B200E	0,9	2,17
300	52	310	310	A3S48F1B300D	A3V48F1B300D	A3I48F1B300D	0,8	2,31	A3Z48F1B300E	0,9	2,86
400	52	310	310	A3S48F1B400F	A3V48F1B400F	A3I48F1B400F	1,0	3,48	A3Z48F1B400F	1,0	3,77
500	52	310	310	A3S48F1B500F	A3V48F1B500F	A3I48F1B500F	1,0	4,15	A3Z48F1B500F	1,0	4,52
600	52	310	310	A3S48F1B600F	A3V48F1B600F	A3I48F1B600F	1,0	4,84	A3Z48F1B600F	1,0	5,27
75	77	335	335	A3S48F1C075D	A3V48F1C075D	A3I48F1C075D	0,8	1,28	A3Z48F1C075E	0,9	1,58
100	77	335	335	A3S48F1C100D	A3V48F1C100D	A3I48F1C100D	0,8	1,42	A3Z48F1C100E	0,9	1,76
150	77	335	335	A3S48F1C150D	A3V48F1C150D	A3I48F1C150D	0,8	1,70	A3Z48F1C150E	0,9	2,10
200	77	335	335	A3S48F1C200D	A3V48F1C200D	A3I48F1C200D	0,8	1,97	A3Z48F1C200E	0,9	2,44
300	77	335	335	A3S48F1C300D	A3V48F1C300D	A3I48F1C300D	0,8	2,53	A3Z48F1C300E	0,9	3,13
400	77	335	335	A3S48F1C400F	A3V48F1C400F	A3I48F1C400F	1,0	3,73	A3Z48F1C400F	1,0	4,05
500	77	335	335	A3S48F1C500F	A3V48F1C500F	A3I48F1C500F	1,0	4,41	A3Z48F1C500F	1,0	4,80
600	77	335	335	A3S48F1C600F	A3V48F1C600F	A3I48F1C600F	1,0	5,10	A3Z48F1C600F	1,0	5,50
100	102	360	360	A3S48F1D100D	A3V48F1D100D	A3I48F1D100D	0,8	1,64	A3Z48F1D100E	0,9	2,03
150	102	360	360	A3S48F1D150D	A3V48F1D150D	A3I48F1D150D	0,8	1,92	A3Z48F1D150E	0,9	2,38
200	102	360	360	A3S48F1D200D	A3V48F1D200D	A3I48F1D200D	0,8	2,19	A3Z48F1D200E	0,9	2,71
300	102	360	360	A3S48F1D300D	A3V48F1D300D	A3I48F1D300D	0,8	2,75	A3Z48F1D300E	0,9	3,40
400	102	360	360	A3S48F1D400F	A3V48F1D400F	A3I48F1D400F	1,0	4,00	A3Z48F1D400F	1,0	4,35
500	102	360	360	A3S48F1D500F	A3V48F1D500F	A3I48F1D500F	1,0	4,69	A3Z48F1D500F	1,0	5,10
600	102	360	360	A3S48F1D600F	A3V48F1D600F	A3I48F1D600F	1,0	5,37	A3Z48F1D600F	1,0	5,85

Elemento per curva a snodo verticale
Element for articulated vertical bend



M24



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	52	300	150	A3S37FXB050D	A3V37FXB050D	A3I37FXB050D	0,8	0,42	A3Z37FXB050E	0,9	0,52
75	52	300	150	A3S37FXB075D	A3V37FXB075D	A3I37FXB075D	0,8	0,46	A3Z37FXB075E	0,9	0,57
100	52	300	150	A3S37FXB100D	A3V37FXB100D	A3I37FXB100D	0,8	0,50	A3Z37FXB100E	0,9	0,62
150	52	300	150	A3S37FXB150D	A3V37FXB150D	A3I37FXB150D	0,8	0,58	A3Z37FXB150E	0,9	0,72
200	52	300	150	A3S37FXB200D	A3V37FXB200D	A3I37FXB200D	0,8	0,64	A3Z37FXB200E	0,9	0,79
300	52	300	150	A3S37FXB300D	A3V37FXB300D	A3I37FXB300D	0,8	0,80	A3Z37FXB300E	0,9	0,99
400	52	300	150	A3S37FXB400F	A3V37FXB400F	A3I37FXB400F	1,0	0,96	A3Z37FXB400F	1,0	1,05
500	52	300	150	A3S37FXB500F	A3V37FXB500F	A3I37FXB500F	1,0	1,12	A3Z37FXB500F	1,0	1,22
600	52	300	150	A3S37FXB600F	A3V37FXB600F	A3I37FXB600F	1,0	1,28	A3Z37FXB600F	1,0	1,40
75	77	300	150	A3S37FXC075D	A3V37FXC075D	A3I37FXC075D	0,8	0,48	A3Z37FXC075E	0,9	0,59
100	77	300	150	A3S37FXC100D	A3V37FXC100D	A3I37FXC100D	0,8	0,52	A3Z37FXC100E	0,9	0,64
150	77	300	150	A3S37FXC150D	A3V37FXC150D	A3I37FXC150D	0,8	0,60	A3Z37FXC150E	0,9	0,74
200	77	300	150	A3S37FXC200D	A3V37FXC200D	A3I37FXC200D	0,8	0,68	A3Z37FXC200E	0,9	0,84
300	77	300	150	A3S37FXC300D	A3V37FXC300D	A3I37FXC300D	0,8	0,84	A3Z37FXC300E	0,9	1,04
400	77	300	150	A3S37FXC400F	A3V37FXC400F	A3I37FXC400F	1,0	1,00	A3Z37FXC400F	1,0	1,09
500	77	300	150	A3S37FXC500F	A3V37FXC500F	A3I37FXC500F	1,0	1,16	A3Z37FXC500F	1,0	1,26
600	77	300	150	A3S37FXC600F	A3V37FXC600F	A3I37FXC600F	1,0	1,32	A3Z37FXC600F	1,0	1,44
100	102	300	150	A3S37FXD100D	A3V37FXD100D	A3I37FXD100D	0,8	0,54	A3Z37FXD100E	0,9	0,67
150	102	300	150	A3S37FXD150D	A3V37FXD150D	A3I37FXD150D	0,8	0,62	A3Z37FXD150E	0,9	0,77
200	102	300	150	A3S37FXD200D	A3V37FXD200D	A3I37FXD200D	0,8	0,70	A3Z37FXD200E	0,9	0,87
300	102	300	150	A3S37FXD300D	A3V37FXD300D	A3I37FXD300D	0,8	0,86	A3Z37FXD300E	0,9	1,06
400	102	300	150	A3S37FXD400F	A3V37FXD400F	A3I37FXD400F	1,0	1,02	A3Z37FXD400F	1,0	1,11
500	102	300	150	A3S37FXD500F	A3V37FXD500F	A3I37FXD500F	1,0	1,18	A3Z37FXD500F	1,0	1,29
600	102	300	150	A3S37FXD600F	A3V37FXD600F	A3I37FXD600F	1,0	1,34	A3Z37FXD600F	1,0	1,46

Derivazione laterale
Lateral derivation



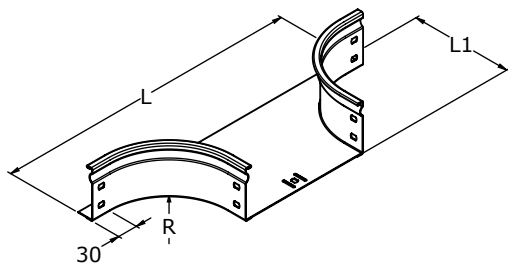
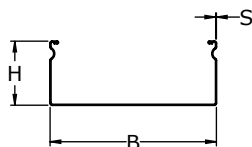
IP40 con coperchio/with cover



R=100 mm

M23





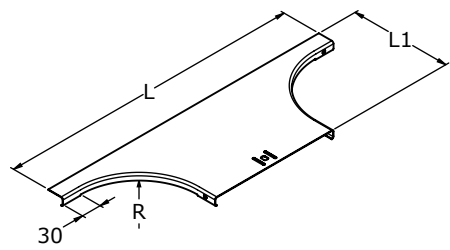
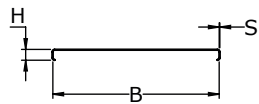
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	310	130	A3S14F1B050D	A3V14F1B050D	A3I14F1B050D	0,8	0,33	A3Z14F1B050E	0,9	0,41
75	52	335	130	A3S14F1B075D	A3V14F1B075D	A3I14F1B075D	0,8	0,36	A3Z14F1B075E	0,9	0,44
100	52	360	130	A3S14F1B100D	A3V14F1B100D	A3I14F1B100D	0,8	0,38	A3Z14F1B100E	0,9	0,47
150	52	410	130	A3S14F1B150D	A3V14F1B150D	A3I14F1B150D	0,8	0,43	A3Z14F1B150E	0,9	0,53
200	52	460	130	A3S14F1B200D	A3V14F1B200D	A3I14F1B200D	0,8	0,48	A3Z14F1B200E	0,9	0,59
300	52	560	130	A3S14F1B300D	A3V14F1B300D	A3I14F1B300D	0,8	0,57	A3Z14F1B300E	0,9	0,71
400	52	660	130	A3S14F1B400F	A3V14F1B400F	A3I14F1B400F	1,0	0,82	A3Z14F1B400F	1,0	0,89
500	52	760	130	A3S14F1B500F	A3V14F1B500F	A3I14F1B500F	1,0	0,94	A3Z14F1B500F	1,0	1,02
600	52	860	130	A3S14F1B600F	A3V14F1B600F	A3I14F1B600F	1,0	1,06	A3Z14F1B600F	1,0	1,15
75	77	335	130	A3S14F1C075D	A3V14F1C075D	A3I14F1C075D	0,8	0,42	A3Z14F1C075E	0,9	0,52
100	77	360	130	A3S14F1C100D	A3V14F1C100D	A3I14F1C100D	0,8	0,45	A3Z14F1C100E	0,9	0,55
150	77	410	130	A3S14F1C150D	A3V14F1C150D	A3I14F1C150D	0,8	0,49	A3Z14F1C150E	0,9	0,61
200	77	460	130	A3S14F1C200D	A3V14F1C200D	A3I14F1C200D	0,8	0,54	A3Z14F1C200E	0,9	0,67
300	77	560	130	A3S14F1C300D	A3V14F1C300D	A3I14F1C300D	0,8	0,64	A3Z14F1C300E	0,9	0,79
400	77	660	130	A3S14F1C400F	A3V14F1C400F	A3I14F1C400F	1,0	0,89	A3Z14F1C400F	1,0	0,97
500	77	760	130	A3S14F1C500F	A3V14F1C500F	A3I14F1C500F	1,0	1,01	A3Z14F1C500F	1,0	1,10
600	77	860	130	A3S14F1C600F	A3V14F1C600F	A3I14F1C600F	1,0	1,13	A3Z14F1C600F	1,0	1,24
100	102	360	130	A3S14F1D100D	A3V14F1D100D	A3I14F1D100D	0,8	0,51	A3Z14F1D100E	0,9	0,64
150	102	410	130	A3S14F1D150D	A3V14F1D150D	A3I14F1D150D	0,8	0,56	A3Z14F1D150E	0,9	0,70
200	102	460	130	A3S14F1D200D	A3V14F1D200D	A3I14F1D200D	0,8	0,61	A3Z14F1D200E	0,9	0,76
300	102	560	130	A3S14F1D300D	A3V14F1D300D	A3I14F1D300D	0,8	0,71	A3Z14F1D300E	0,9	0,88
400	102	660	130	A3S14F1D400F	A3V14F1D400F	A3I14F1D400F	1,0	0,97	A3Z14F1D400F	1,0	1,05
500	102	760	130	A3S14F1D500F	A3V14F1D500F	A3I14F1D500F	1,0	1,09	A3Z14F1D500F	1,0	1,19
600	102	860	130	A3S14F1D600F	A3V14F1D600F	A3I14F1D600F	1,0	1,21	A3Z14F1D600F	1,0	1,32

Coperchio per derivazione laterale
Lateral derivation cover

CE

R=100 mm

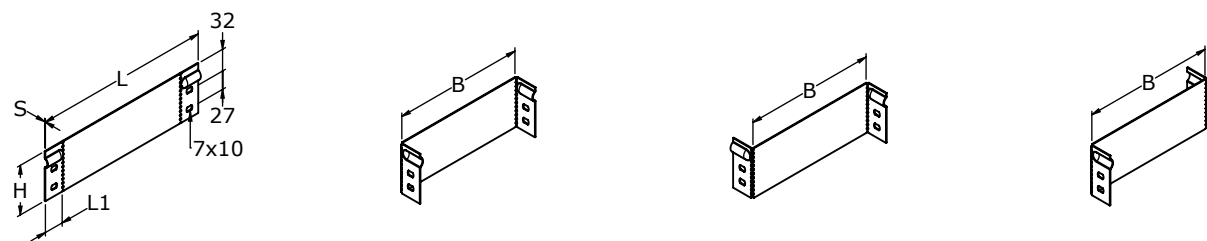
M23 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	14	310	130	A3S14G1P050D	A3V14G1P050D	A3I14G1P050D	0,8	0,14	A3Z14G1P050E	0,9	0,18
75	14	335	130	A3S14G1P075D	A3V14G1P075D	A3I14G1P075D	0,8	0,17	A3Z14G1P075E	0,9	0,21
100	14	360	130	A3S14G1P100D	A3V14G1P100D	A3I14G1P100D	0,8	0,19	A3Z14G1P100E	0,9	0,24
150	14	410	130	A3S14G1P150D	A3V14G1P150D	A3I14G1P150D	0,8	0,24	A3Z14G1P150E	0,9	0,30
200	14	460	130	A3S14G1P200D	A3V14G1P200D	A3I14G1P200D	0,8	0,29	A3Z14G1P200E	0,9	0,36
300	14	560	130	A3S14G1P300D	A3V14G1P300D	A3I14G1P300D	0,8	0,39	A3Z14G1P300E	0,9	0,48
400	14	660	130	A3S14G1P400D	A3V14G1P400D	A3I14G1P400D	0,8	0,48	A3Z14G1P400F	1,0	0,66
500	14	760	130	A3S14G1P500D	A3V14G1P500D	A3I14G1P500D	0,8	0,58	A3Z14G1P500F	1,0	0,79
600	14	860	130	A3S14G1P600D	A3V14G1P600D	A3I14G1P600D	0,8	0,68	A3Z14G1P600F	1,0	0,93

Chiusura terminale e/o riduzione

End element and/or reduction

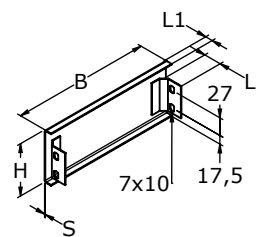


B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
50	48	110	30	A3S24AXB050H	A3V24AXB050H	A3I24AXB050H	1,2	0,05	A3Z24AXB050H	1,2	0,05
75	48	135	30	A3S24AXB075H	A3V24AXB075H	A3I24AXB075H	1,2	0,06	A3Z24AXB075H	1,2	0,06
100	48	160	30	A3S24AXB100H	A3V24AXB100H	A3I24AXB100H	1,2	0,07	A3Z24AXB100H	1,2	0,08
150	48	210	30	A3S24AXB150H	A3V24AXB150H	A3I24AXB150H	1,2	0,09	A3Z24AXB150H	1,2	0,10
200	48	260	30	A3S24AXB200H	A3V24AXB200H	A3I24AXB200H	1,2	0,12	A3Z24AXB200H	1,2	0,13
300	48	360	30	A3S24AXB300H	A3V24AXB300H	A3I24AXB300H	1,2	0,16	A3Z24AXB300H	1,2	0,17
400	48	460	30	A3S24AXB400K	A3V24AXB400K	A3I24AXB400K	1,5	0,26	A3Z24AXB400K	1,5	0,27
500	48	560	30	A3S24AXB500K	A3V24AXB500K	A3I24AXB500K	1,5	0,31	A3Z24AXB500K	1,5	0,33
600	48	660	30	A3S24AXB600K	A3V24AXB600K	A3I24AXB600K	1,5	0,37	A3Z24AXB600K	1,5	0,39
50	73	110	30	A3S24AXC050H	A3V24AXC050H	A3I24AXC050H	1,2	0,07	A3Z24AXC050H	1,2	0,08
75	73	135	30	A3S24AXC075H	A3V24AXC075H	A3I24AXC075H	1,2	0,09	A3Z24AXC075H	1,2	0,10
100	73	160	30	A3S24AXC100H	A3V24AXC100H	A3I24AXC100H	1,2	0,11	A3Z24AXC100H	1,2	0,12
150	73	210	30	A3S24AXC150H	A3V24AXC150H	A3I24AXC150H	1,2	0,14	A3Z24AXC150H	1,2	0,15
200	73	260	30	A3S24AXC200H	A3V24AXC200H	A3I24AXC200H	1,2	0,17	A3Z24AXC200H	1,2	0,19
300	73	360	30	A3S24AXC300H	A3V24AXC300H	A3I24AXC300H	1,2	0,24	A3Z24AXC300H	1,2	0,26
400	73	460	30	A3S24AXC400K	A3V24AXC400K	A3I24AXC400K	1,5	0,39	A3Z24AXC400K	1,5	0,41
500	73	560	30	A3S24AXC500K	A3V24AXC500K	A3I24AXC500K	1,5	0,48	A3Z24AXC500K	1,5	0,50
600	73	660	30	A3S24AXC600K	A3V24AXC600K	A3I24AXC600K	1,5	0,56	A3Z24AXC600K	1,5	0,60

B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
50	98	110	30	A3S24AXD050H	A3V24AXD050H	A3I24AXD050H	1,2	0,10	A3Z24AXD050H	1,2	0,11
75	98	135	30	A3S24AXD075H	A3V24AXD075H	A3I24AXD075H	1,2	0,12	A3Z24AXD075H	1,2	0,13
100	98	160	30	A3S24AXD100H	A3V24AXD100H	A3I24AXD100H	1,2	0,14	A3Z24AXD100H	1,2	0,15
150	98	210	30	A3S24AXD150H	A3V24AXD150H	A3I24AXD150H	1,2	0,19	A3Z24AXD150H	1,2	0,20
200	98	260	30	A3S24AXD200H	A3V24AXD200H	A3I24AXD200H	1,2	0,24	A3Z24AXD200H	1,2	0,25
300	98	360	30	A3S24AXD300H	A3V24AXD300H	A3I24AXD300H	1,2	0,33	A3Z24AXD300H	1,2	0,35
400	98	460	30	A3S24AXD400K	A3V24AXD400K	A3I24AXD400K	1,5	0,52	A3Z24AXD400K	1,5	0,56
500	98	560	30	A3S24AXD500K	A3V24AXD500K	A3I24AXD500K	1,5	0,64	A3Z24AXD500K	1,5	0,68
600	98	660	30	A3S24AXD600K	A3V24AXD600K	A3I24AXD600K	1,5	0,76	A3Z24AXD600K	1,5	0,80

Chiusura terminale

End element



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
50	52	30	10	A3S26FXB050H	A3V26FXB050H	A3I26FXB050H	1,2	0,33	A3Z26FXB050H	1,2	0,41
75	52	30	10	A3S26FXB075H	A3V26FXB075H	A3I26FXB075H	1,2	0,36	A3Z26FXB075H	1,2	0,44
100	52	30	10	A3S26FXB100H	A3V26FXB100H	A3I26FXB100H	1,2	0,38	A3Z26FXB100H	1,2	0,47
150	52	30	10	A3S26FXB150H	A3V26FXB150H	A3I26FXB150H	1,2	0,43	A3Z26FXB150H	1,2	0,53
200	52	30	10	A3S26FXB200H	A3V26FXB200H	A3I26FXB200H	1,2	0,48	A3Z26FXB200H	1,2	0,59
300	52	30	10	A3S26FXB300H	A3V26FXB300H	A3I26FXB300H	1,2	0,57	A3Z26FXB300H	1,2	0,71
400	52	30	10	A3S26FXB400K	A3V26FXB400K	A3I26FXB400K	1,5	0,82	A3Z26FXB400K	1,5	0,89
500	52	30	10	A3S26FXB500K	A3V26FXB500K	A3I26FXB500K	1,5	0,94	A3Z26FXB500K	1,5	1,02
600	52	30	10	A3S26FXB600K	A3V26FXB600K	A3I26FXB600K	1,5	1,06	A3Z26FXB600K	1,5	1,15
75	77	30	10	A3S26FXC075H	A3V26FXC075H	A3I26FXC075H	1,2	0,42	A3Z26FXC075H	1,2	0,52
100	77	30	10	A3S26FXC100H	A3V26FXC100H	A3I26FXC100H	1,2	0,45	A3Z26FXC100H	1,2	0,55
150	77	30	10	A3S26FXC150H	A3V26FXC150H	A3I26FXC150H	1,2	0,49	A3Z26FXC150H	1,2	0,61
200	77	30	10	A3S26FXC200H	A3V26FXC200H	A3I26FXC200H	1,2	0,54	A3Z26FXC200H	1,2	0,67
300	77	30	10	A3S26FXC300H	A3V26FXC300H	A3I26FXC300H	1,2	0,64	A3Z26FXC300H	1,2	0,79
400	77	30	10	A3S26FXC400K	A3V26FXC400K	A3I26FXC400K	1,5	0,89	A3Z26FXC400K	1,5	0,97
500	77	30	10	A3S26FXC500K	A3V26FXC500K	A3I26FXC500K	1,5	1,01	A3Z26FXC500K	1,5	1,10
600	77	30	10	A3S26FXC600K	A3V26FXC600K	A3I26FXC600K	1,5	1,13	A3Z26FXC600K	1,5	1,24

B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
100	102	30	10	A3S26FXD100H	A3V26FXD100H	A3I26FXD100H	1,2	0,51	A3Z26FXD100H	1,2	0,64
150	102	30	10	A3S26FXD150H	A3V26FXD150H	A3I26FXD150H	1,2	0,56	A3Z26FXD150H	1,2	0,70
200	102	30	10	A3S26FXD200H	A3V26FXD200H	A3I26FXD200H	1,2	0,61	A3Z26FXD200H	1,2	0,76
300	102	30	10	A3S26FXD300H	A3V26FXD300H	A3I26FXD300H	1,2	0,71	A3Z26FXD300H	1,2	0,88
400	102	30	10	A3S26FXD400K	A3V26FXD400K	A3I26FXD400K	1,5	0,97	A3Z26FXD400K	1,5	1,05
500	102	30	10	A3S26FXD500K	A3V26FXD500K	A3I26FXD500K	1,5	1,09	A3Z26FXD500K	1,5	1,19
600	102	30	10	A3S26FXD600K	A3V26FXD600K	A3I26FXD600K	1,5	1,21	A3Z26FXD600K	1,5	1,32

Flangia di attacco quadro
Board attachment flange

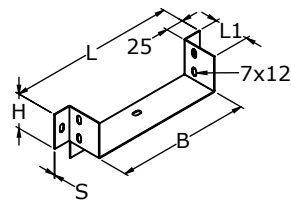


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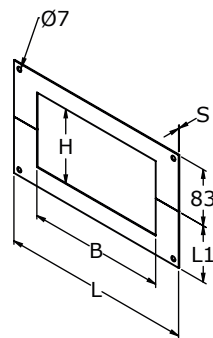
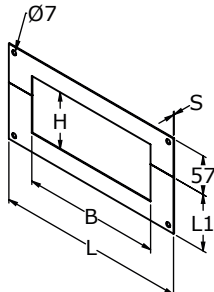
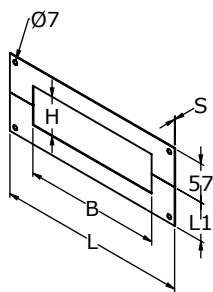
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M26 ↗



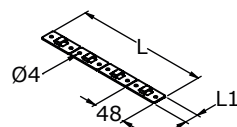
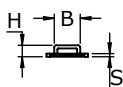
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	24	100	50	A3S70FXB050H	A3V70FXB050H	A3I70FXB050H	1,2	0,10	A3Z70FXB050H	1,2	0,11
75	24	125	50	A3S70FXB075H	A3V70FXB075H	A3I70FXB075H	1,2	0,12	A3Z70FXB075H	1,2	0,13
100	24	150	50	A3S70FXB100H	A3V70FXB100H	A3I70FXB100H	1,2	0,14	A3Z70FXB100H	1,2	0,15
150	24	200	50	A3S70FXB150H	A3V70FXB150H	A3I70FXB150H	1,2	0,17	A3Z70FXB150H	1,2	0,18
200	24	250	50	A3S70FXB200H	A3V70FXB200H	A3I70FXB200H	1,2	0,20	A3Z70FXB200H	1,2	0,22
300	24	350	50	A3S70FXB300H	A3V70FXB300H	A3I70FXB300H	1,2	0,27	A3Z70FXB300H	1,2	0,29
400	24	450	50	A3S70FXB400K	A3V70FXB400K	A3I70FXB400K	1,5	0,43	A3Z70FXB400K	1,5	0,45
500	24	550	50	A3S70FXB500K	A3V70FXB500K	A3I70FXB500K	1,5	0,51	A3Z70FXB500K	1,5	0,54
600	24	650	50	A3S70FXB600K	A3V70FXB600K	A3I70FXB600K	1,5	0,60	A3Z70FXB600K	1,5	0,64
75	51	125	50	A3S70FXC075H	A3V70FXC075H	A3I70FXC075H	1,2	0,16	A3Z70FXC075H	1,2	0,17
100	51	150	50	A3S70FXC100H	A3V70FXC100H	A3I70FXC100H	1,2	0,18	A3Z70FXC100H	1,2	0,20
150	51	200	50	A3S70FXC150H	A3V70FXC150H	A3I70FXC150H	1,2	0,23	A3Z70FXC150H	1,2	0,25
200	51	250	50	A3S70FXC200H	A3V70FXC200H	A3I70FXC200H	1,2	0,28	A3Z70FXC200H	1,2	0,30
300	51	350	50	A3S70FXC300H	A3V70FXC300H	A3I70FXC300H	1,2	0,37	A3Z70FXC300H	1,2	0,40
400	51	450	50	A3S70FXC400K	A3V70FXC400K	A3I70FXC400K	1,5	0,58	A3Z70FXC400K	1,5	0,61
500	51	550	50	A3S70FXC500K	A3V70FXC500K	A3I70FXC500K	1,5	0,69	A3Z70FXC500K	1,5	0,73
600	51	650	50	A3S70FXC600K	A3V70FXC600K	A3I70FXC600K	1,5	0,81	A3Z70FXC600K	1,5	0,85
100	76	150	50	A3S70FXD100H	A3V70FXD100H	A3I70FXD100H	1,2	0,23	A3Z70FXD100H	1,2	0,25
150	76	200	50	A3S70FXD150H	A3V70FXD150H	A3I70FXD150H	1,2	0,29	A3Z70FXD150H	1,2	0,31
200	76	250	50	A3S70FXD200H	A3V70FXD200H	A3I70FXD200H	1,2	0,35	A3Z70FXD200H	1,2	0,37
300	76	350	50	A3S70FXD300H	A3V70FXD300H	A3I70FXD300H	1,2	0,46	A3Z70FXD300H	1,2	0,50
400	76	450	50	A3S70FXD400K	A3V70FXD400K	A3I70FXD400K	1,5	0,72	A3Z70FXD400K	1,5	0,77
500	76	550	50	A3S70FXD500K	A3V70FXD500K	A3I70FXD500K	1,5	0,87	A3Z70FXD500K	1,5	0,92
600	76	650	50	A3S70FXD600K	A3V70FXD600K	A3I70FXD600K	1,5	1,01	A3Z70FXD600K	1,5	1,07

Flangia per attraversamento di pareti
Wall crossover flange



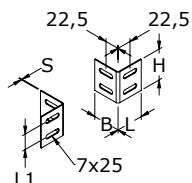
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
52	58	130	57	A3S72FXB050H	A3V72FXB050H	A3I72FXB050H	1,2	0,11	A3Z72FXB050H	1,2	0,12
77	58	155	57	A3S72FXB075H	A3V72FXB075H	A3I72FXB075H	1,2	0,12	A3Z72FXB075H	1,2	0,13
102	58	180	57	A3S72FXB100H	A3V72FXB100H	A3I72FXB100H	1,2	0,14	A3Z72FXB100H	1,2	0,15
152	58	230	57	A3S72FXB150H	A3V72FXB150H	A3I72FXB150H	1,2	0,16	A3Z72FXB150H	1,2	0,18
202	58	280	57	A3S72FXB200H	A3V72FXB200H	A3I72FXB200H	1,2	0,19	A3Z72FXB200H	1,2	0,21
302	58	380	57	A3S72FXB300H	A3V72FXB300H	A3I72FXB300H	1,2	0,24	A3Z72FXB300H	1,2	0,26
402	58	480	57	A3S72FXB400K	A3V72FXB400K	A3I72FXB400K	1,5	0,37	A3Z72FXB400K	1,5	0,39
502	58	580	57	A3S72FXB500K	A3V72FXB500K	A3I72FXB500K	1,5	0,44	A3Z72FXB500K	1,5	0,46
602	58	680	57	A3S72FXB600K	A3V72FXB600K	A3I72FXB600K	1,5	0,50	A3Z72FXB600K	1,5	0,53
77	84	155	83	A3S72FXC075H	A3V72FXC075H	A3I72FXC075H	1,2	0,14	A3Z72FXC075H	1,2	0,15
102	84	180	83	A3S72FXC100H	A3V72FXC100H	A3I72FXC100H	1,2	0,16	A3Z72FXC100H	1,2	0,17
152	84	230	83	A3S72FXC150H	A3V72FXC150H	A3I72FXC150H	1,2	0,18	A3Z72FXC150H	1,2	0,20
202	84	280	83	A3S72FXC200H	A3V72FXC200H	A3I72FXC200H	1,2	0,21	A3Z72FXC200H	1,2	0,22
302	84	380	83	A3S72FXC300H	A3V72FXC300H	A3I72FXC300H	1,2	0,26	A3Z72FXC300H	1,2	0,28
402	84	480	83	A3S72FXC400K	A3V72FXC400K	A3I72FXC400K	1,5	0,39	A3Z72FXC400K	1,5	0,42
502	84	580	83	A3S72FXC500K	A3V72FXC500K	A3I72FXC500K	1,5	0,46	A3Z72FXC500K	1,5	0,49
602	84	680	83	A3S72FXC600K	A3V72FXC600K	A3I72FXC600K	1,5	0,53	A3Z72FXC600K	1,5	0,56
102	110	180	83	A3S72FXD100H	A3V72FXD100H	A3I72FXD100H	1,2	0,17	A3Z72FXD100H	1,2	0,19
152	110	230	83	A3S72FXD150H	A3V72FXD150H	A3I72FXD150H	1,2	0,20	A3Z72FXD150H	1,2	0,22
202	110	280	83	A3S72FXD200H	A3V72FXD200H	A3I72FXD200H	1,2	0,23	A3Z72FXD200H	1,2	0,24
302	110	380	83	A3S72FXD300H	A3V72FXD300H	A3I72FXD300H	1,2	0,28	A3Z72FXD300H	1,2	0,30
402	110	480	83	A3S72FXD400K	A3V72FXD400K	A3I72FXD400K	1,5	0,42	A3Z72FXD400K	1,5	0,44
502	110	580	83	A3S72FXD500K	A3V72FXD500K	A3I72FXD500K	1,5	0,48	A3Z72FXD500K	1,5	0,51
602	110	680	83	A3S72FXD600K	A3V72FXD600K	A3I72FXD600K	1,5	0,55	A3Z72FXD600K	1,5	0,58

Barretta fissa-cavi
Bar for cable fastening



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
12,5	5,5	192	20	A3S81XXR050K	A3V81XXR050K	A3I81XXR050K	1,5	0,04	A3Z81XXR050K	1,5	0,04

Flangia di attacco semplice (coppia)
Simple attachment flange (pair)



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
40	25	40	-	A3S71AXB040K	A3V71AXB040K	A3I71AXB040K	1,5	0,04	A3Z70FXB050H	1,5	0,05
40	50	40	25	A3S71AXC040K	A3V71AXC040K	A3I71AXC040K	1,5	0,08	A3Z70FXB075H	1,5	0,09
40	75	40	25	A3S71AXD040K	A3V71AXD040K	A3I71AXD040K	1,5	0,13	A3Z70FXB100H	1,5	0,14

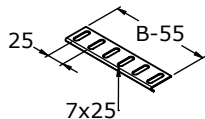
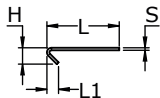
Ribordo di protezione
Protection border



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M28 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚖ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚖ kg/pz
75	8	35	6	A3S77XXX075H	A3V77XXX075H	A3I77XXX075H	1,2	0,01	A3Z77XXX075H	1,2	0,01
100	8	35	6	A3S77XXX100H	A3V77XXX100H	A3I77XXX100H	1,2	0,02	A3Z77XXX100H	1,2	0,02
150	8	35	6	A2S77XXX150H	A2S77XXX150H	A2S77XXX150H	1,2	0,03	A2S77XXX150H	1,2	0,03
200	8	35	6	A3S77XXX200H	A3V77XXX200H	A3I77XXX200H	1,2	0,05	A3Z77XXX200H	1,2	0,05
300	8	35	6	A3S77XXX300H	A3V77XXX300H	A3I77XXX300H	1,5	0,08	A3Z77XXX300H	1,5	0,09
400	8	35	6	A3S77XXX400K	A3V77XXX400K	A3I77XXX400K	1,5	0,14	A3Z77XXX400K	1,5	0,15
500	8	35	6	A3S77XXX500K	A3V77XXX500K	A3I77XXX500K	1,5	0,19	A3Z77XXX500K	1,5	0,20
600	8	35	6	A3S77XXX600K	A3V77XXX600K	A3I77XXX600K	1,5	0,23	A3Z77XXX600K	1,5	0,24

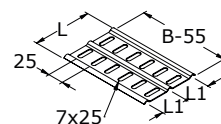
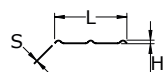
Traversa di irrigidimento
Stiffening crosspiece



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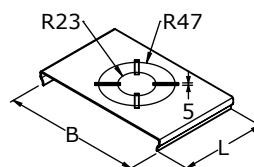
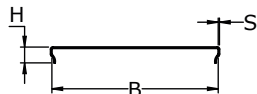
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M29 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
100	5	96	25	A3S75XXX100H	A3V75XXX100H	A3I75XXX100H	1,2	0,04	A3Z75XXX100H	1,2	0,04
150	5	96	25	A3S75XXX150H	A3V75XXX150H	A3I75XXX150H	1,2	0,08	A3Z75XXX150H	1,2	0,09
200	5	96	25	A3S75XXX200H	A3V75XXX200H	A3I75XXX200H	1,2	0,12	A3Z75XXX200H	1,2	0,13
300	5	96	25	A3S75XXX300H	A3V75XXX300H	A3I75XXX300H	1,2	0,20	A3Z75XXX300H	1,2	0,22
400	5	96	25	A3S75XXX400K	A3V75XXX400K	A3I75XXX400K	1,5	0,36	A3Z75XXX400K	1,5	0,38
500	5	96	25	A3S75XXX500K	A3V75XXX500K	A3I75XXX500K	1,5	0,46	A3Z75XXX500K	1,5	0,49
600	5	96	25	A3S75XXX600K	A3V75XXX600K	A3I75XXX600K	1,5	0,56	A3Z75XXX600K	1,5	0,60

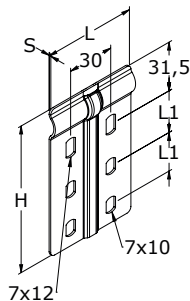
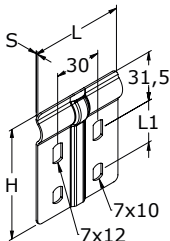
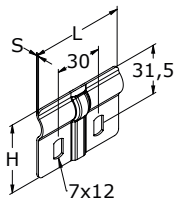
Coperchio porta scatola di derivazione
Cover for junction box



B mm	H mm	L mm	-	Senzdizmir <i>Senzdizmir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
100	19	125	-	A3S78XXX100K	A3V78XXX100K	A3I78XXX100K	1,5	0,20	A3Z78XXX100K	1,5	0,21
150	19	125	-	A3S78XXX150K	A3V78XXX150K	A3I78XXX150K	1,5	0,27	A3Z78XXX150K	1,5	0,29
200	19	125	-	A3S78XXX200K	A3V78XXX200K	A3I78XXX200K	1,5	0,34	A3Z78XXX200K	1,5	0,37
300	19	125	-	A3S78XXX300K	A3V78XXX300K	A3I78XXX300K	1,5	0,49	A3Z78XXX300K	1,5	0,52
400	19	125	-	A3S78XXX400K	A3V78XXX400K	A3I78XXX400K	1,5	0,64	A3Z78XXX400K	1,5	0,68
500	19	125	-	A3S78XXX500K	A3V78XXX500K	A3I78XXX500K	1,5	0,79	A3Z78XXX500K	1,5	0,84
600	19	125	-	A3S78XXX600K	A3V78XXX600K	A3I78XXX600K	1,5	0,93	A3Z78XXX600K	1,5	0,99

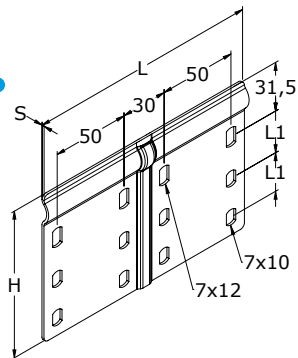
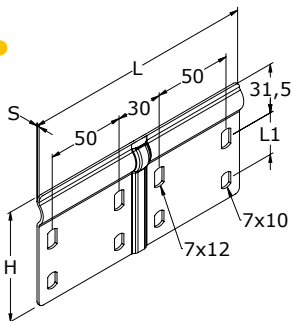
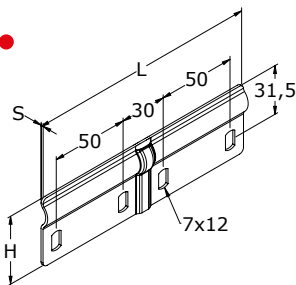
Giunto

Joint

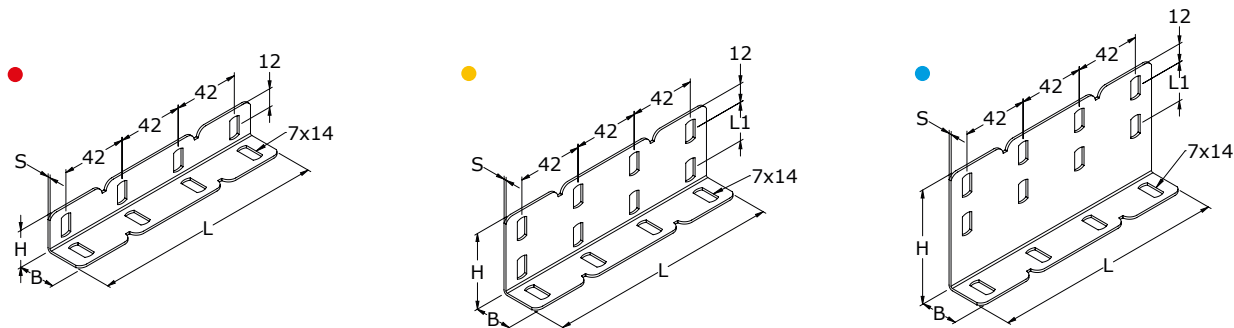


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
-	44	60	-	A3S60F2B000H	A3V60F2B000H	A3I60F2B000H	1,2	0,02	A3Z60F2B000H	1,2	0,02
-	71	60	27	A3S60F2C000H	A3V60F2C000H	A3I60F2C000H	1,2	0,04	A3Z60F2C000H	1,2	0,04
-	95	60	27	A3S60F2D000H	A3V60F2D000H	A3I60F2D000H	1,2	0,06	A3Z60F2D000H	1,2	0,06

NOTA: giunto utilizzabile per canali con base B ≤ 300 mm e accessori
NOTE: joint usable for cable trays with B ≤ 300 mm and accessories



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
-	44	150	-	A3S60F4B000K	A3V60F4B000K	A3I60F4B000K	1,5	0,08	A3Z60F4B000K	1,5	0,08
-	71	150	27	A3S60F4C000K	A3V60F4C000K	A3I60F4C000K	1,5	0,12	A3Z60F4C000K	1,5	0,13
-	95	150	27	A3S60F4D000K	A3V60F4D000K	A3I60F4D000K	1,5	0,17	A3Z60F4D000K	1,5	0,19



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⌘ kg/pz
25	25	150	-	A3S60F4B025K	A3V60F4B025K	A3I60F4B025K	1,5	0,07	A3Z60F4B025K	1,5	0,07
25	50	150	25	A3S60F4C025K	A3V60F4C025K	A3I60F4C025K	1,5	0,11	A3Z60F4C025K	1,5	0,12
25	75	150	25	A3S60F4D025K	A3V60F4D025K	A3I60F4D025K	1,5	0,16	A3Z60F4D025K	1,5	0,17

NOTA: giunto necessario per la connessione di elementi rettilinei forati con base $B \geq 400$ mm
 NOTE: joint necessary for the connection of perforated straight element with $B \geq 400$ mm



Per canali e accessori H 52mm
For straigh element and accessories H 52mm



Per canali e accessori H 77mm
For straigh element and accessories H 77mm



Per canali e accessori H 102mm
For straigh element and accessories H 102mm

Giunto di base
Base joint

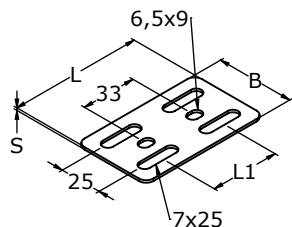


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M34 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
47	-	80	42	A3S61X3X050K	A3V61X3X050K	A3I61X3X050K	1,5	0,05	A3Z61X3X050K	1,5	0,05

NOTA: giunto necessario per la connessione di elementi rettilinei forati con base B ≥ 400 mm
NOTE: joint necessary for the connection of perforated straight element with B ≥ 400 mm

Giunto adattabile orizzontale
Horizontal adjustable joint

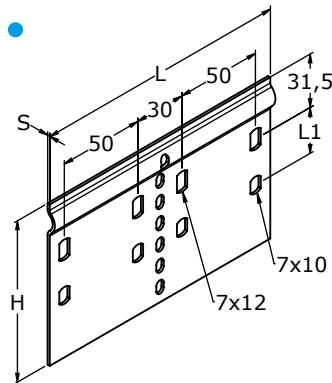
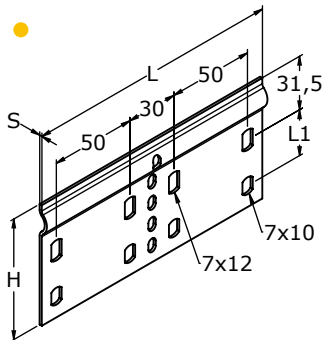
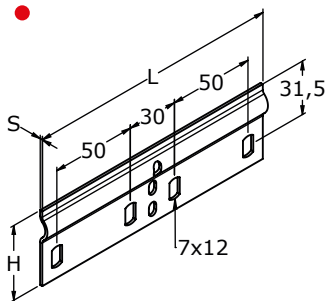


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M34 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
-	44	150	-	A3S65F4B000K	A3V65F4B000K	A3I65F4B000K	1,5	0,08	A3Z65F4B000K	1,5	0,08
-	71	150	27	A3S65F4C000K	A3V65F4C000K	A3I65F4C000K	1,5	0,12	A3Z65F4C000K	1,5	0,13
-	95	150	27	A3S65F4D000K	A3V65F4D000K	A3I65F4D000K	1,5	0,17	A3Z65F4D000K	1,5	0,18

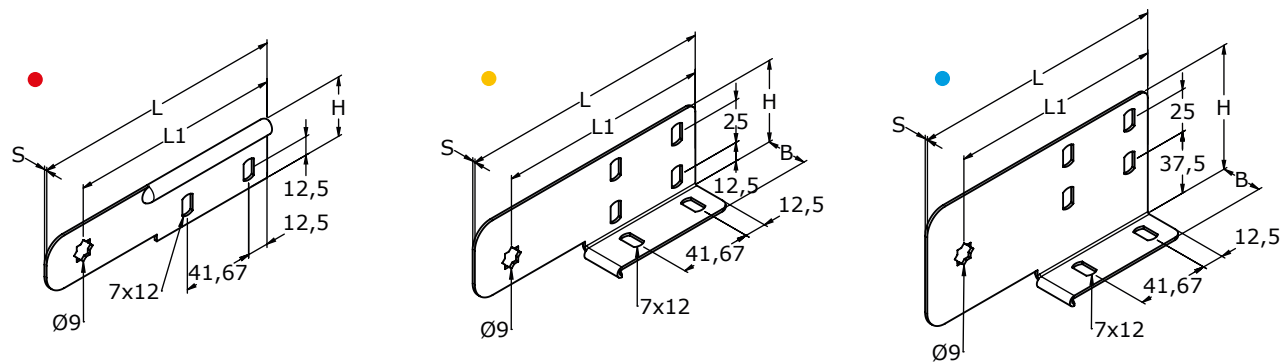
Giunto snodato verticale
Vertical hinged joint



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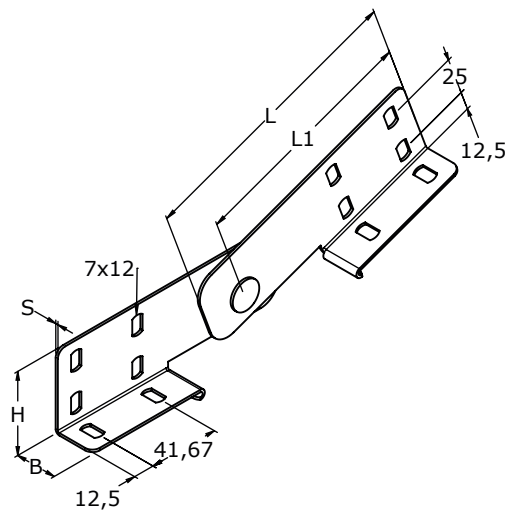
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M28 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
-	35	150	125	A3S63A5A000K	A3V63A5A000K	A3I63A5A000K	1,5	0,13	A3Z63A5A000K	1,5	0,14
25	48	150	125	A3S63A5B025K	A3V63A5B025K	A3I63A5B025K	1,5	0,21	A3Z63A5B025K	1,5	0,23
25	73	150	125	A3S63A5C025K	A3V63A5C025K	A3I63A5C025K	1,5	0,30	A3Z63A5C025K	1,5	0,33

NOTA: articolo completo di due semigiunti, vite (M8x17) e dado (M8)
NOTE: item complete with two halfjoints with screw (M8x17) and nut (M8)



- Per canali e accessori H 52mm
For straigh element and accessories H 52mm
- Per canali e accessori H 77mm
For straigh element and accessories H 77mm
- Per canali e accessori H 102mm
For straigh element and accessories H 102mm

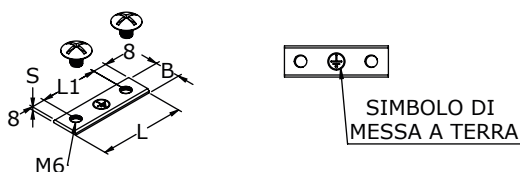
Barretta di terra per colleg. equipotenziali
Earthing bar for equipotential connections



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M35 ↗



B mm	-	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	S mm	⚡ kg/pz	Geomet <i>Geomet</i>	S mm	⚡ kg/pz
15	-	50	34	A3S62X1X015M	A3I62X1X015M	A3Y62X1X015M	2,0	0,02	A3D62X1X015M	2,0	0,02

NOTA: completo di n° 2 viti testa bombata a doppio intaglio M6x6
NOTE: complete with n° 2 M6x6 double slotted convex head screws

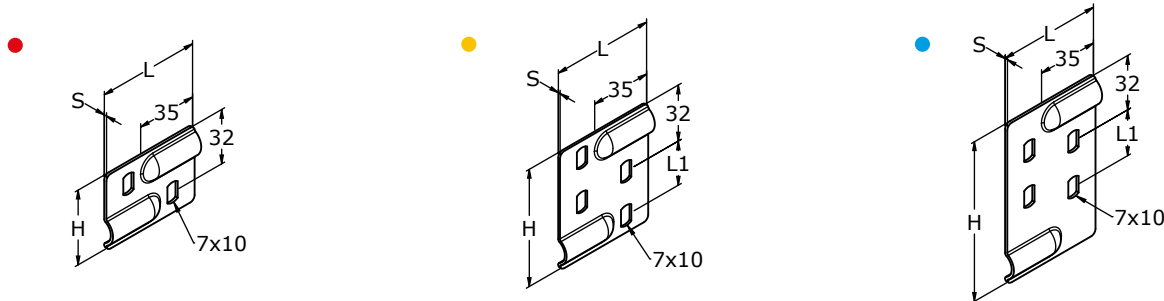
Giunto per inversione di piano
Joint for plane inversion



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M35 ↗



B mm	H mm	L mm	L1 mm	Sendzimir <i>Sendzimir</i>	Verniciato <i>Painted</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvan.</i>	S mm	⚡ kg/pz
-	46	60	-	A3S29F2B000H	A3V29F2B000H	A3I29F2B000H	1,2	0,05	A3Z29F2B000H	1,2	0,05
-	71	60	27	A3S29F2C000H	A3V29F2C000H	A3I29F2C000H	1,2	0,08	A3Z29F2C000H	1,2	0,08
-	96	60	27	A3S29F2D000H	A3V29F2D000H	A3I29F2D000H	1,2	0,10	A3Z29F2D000H	1,2	0,10



Per canali e accessori H 52mm
For straigh element and accessories H 52mm



Per canali e accessori H 77mm
For straigh element and accessories H 77mm



Per canali e accessori H 102mm
For straigh element and accessories H 102mm

Giunzione a canotto
Sleeve joint

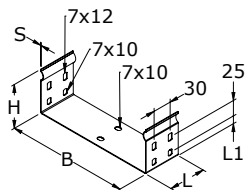


IP44 con coperchio/with cover



-

M32 ↗

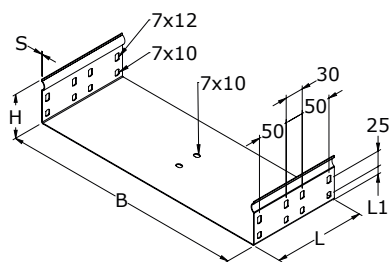


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	45	60	12,5	A3S66FXB050H	A3V66FXB050H	A3I66FXB050H	1,2	0,08	A3Z66FXB050H	1,2	0,09
75	45	60	12,5	A3S66FXB075H	A3V66FXB075H	A3I66FXB075H	1,2	0,09	A3Z66FXB075H	1,2	0,1
100	45	60	12,5	A3S66FXB100H	A3V66FXB100H	A3I66FXB100H	1,2	0,11	A3Z66FXB100H	1,2	0,12
150	45	60	12,5	A3S66FXB150H	A3V66FXB150H	A3I66FXB150H	1,2	0,13	A3Z66FXB150H	1,2	0,14
200	45	60	12,5	A3S66FXB200H	A3V66FXB200H	A3I66FXB200H	1,2	0,16	A3Z66FXB200H	1,2	0,17
300	45	60	12,5	A3S66FXB300H	A3V66FXB300H	A3I66FXB300H	1,2	0,22	A3Z66FXB300H	1,2	0,24
75	70	60	12,5	A3S66FXC075H	A3V66FXC075H	A3I66FXC075H	1,2	0,12	A3Z66FXC075H	1,2	0,13
100	70	60	12,5	A3S66FXC100H	A3V66FXC100H	A3I66FXC100H	1,2	0,14	A3Z66FXC100H	1,2	0,15
150	70	60	12,5	A3S66FXC150H	A3V66FXC150H	A3I66FXC150H	1,2	0,16	A3Z66FXC150H	1,2	0,17
200	70	60	12,5	A3S66FXC200H	A3V66FXC200H	A3I66FXC200H	1,2	0,19	A3Z66FXC200H	1,2	0,2
300	70	60	12,5	A3S66FXC300H	A3V66FXC300H	A3I66FXC300H	1,2	0,25	A3Z66FXC300H	1,2	0,27
100	95	60	36,5	A3S66FXD100H	A3V66FXD100H	A3I66FXC100H	1,2	0,16	A3Z66FXD100H	1,2	0,17
150	95	60	36,5	A3S66FXD150H	A3V66FXD150H	A3I66FXC150H	1,2	0,19	A3Z66FXD150H	1,2	0,2
200	95	60	36,5	A3S66FXD200H	A3V66FXD200H	A3I66FXC200H	1,2	0,22	A3Z66FXD200H	1,2	0,24
300	95	60	36,5	A3S66FXD300H	A3V66FXD300H	A3I66FXC300H	1,2	0,28	A3Z66FXD300H	1,2	0,3

NOTA: per elementi rettilinei con B=50÷300mm
NOTE: for straight elements with B=50÷300mm

Giunzione a canotto
Sleeve joint

IP44 con coperchio/with cover	
-	M33 ↗

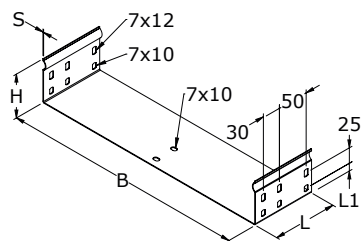


B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
400	45	150	12,5	A3S66FXB400K	A3V66FXB400K	A3I66FXB400K	1,5	0,86	A3Z66FXB400K	1,5	0,91
500	45	150	12,5	A3S66FXB500K	A3V66FXB500K	A3I66FXB500K	1,5	1,04	A3Z66FXB500K	1,5	1,1
600	45	150	12,5	A3S66FXB600K	A3V66FXB600K	A3I66FXB600K	1,5	1,21	A3Z66FXB600K	1,5	1,28
400	70	150	12,5	A3S66FXC400K	A3V66FXC400K	A3I66FXC400K	1,5	0,95	A3Z66FXC400K	1,5	1,01
500	70	150	12,5	A3S66FXC500K	A3V66FXC500K	A3I66FXC500K	1,5	1,13	A3Z66FXC500K	1,5	1,2
600	70	150	12,5	A3S66FXC600K	A3V66FXC600K	A3I66FXC600K	1,5	1,31	A3Z66FXC600K	1,5	1,39
400	95	150	36,5	A3S66FXD400K	A3V66FXD400K	A3I66FXD400K	1,5	1,04	A3Z66FXD400K	1,5	1,1
500	95	150	36,5	A3S66FXD500K	A3V66FXD500K	A3I66FXD500K	1,5	1,22	A3Z66FXD500K	1,5	1,29
600	95	150	36,5	A3S66FXD600K	A3V66FXD600K	A3I66FXD600K	1,5	1,39	A3Z66FXD600K	1,5	1,47

NOTA: per elementi rettilinei con B=400÷600mm
NOTE: for straight elements with B=400÷600mm

Giunzione a canotto
Sleeve joint

IP44 con coperchio/with cover	
-	M33 ↗



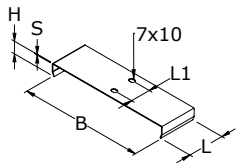
B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
400	45	105	12,5	A3S66FCB400K	A3V66FCB400K	A3I66FCB400K	1,5	0,6	A3Z66FCB400K	1,5	0,64
500	45	105	12,5	A3S66FCB500K	A3V66FCB500K	A3I66FCB500K	1,5	0,72	A3Z66FCB500K	1,5	0,76
600	45	105	12,5	A3S66FCB600K	A3V66FCB600K	A3I66FCB600K	1,5	0,85	A3Z66FCB600K	1,5	0,9
400	70	105	12,5	A3S66FCC400K	A3V66FCC400K	A3I66FCC400K	1,5	0,67	A3Z66FCC400K	1,5	0,71
500	70	105	12,5	A3S66FCC500K	A3V66FCC500K	A3I66FCC500K	1,5	0,79	A3Z66FCC500K	1,5	0,84
600	70	105	12,5	A3S66FCC600K	A3V66FCC600K	A3I66FCC600K	1,5	0,91	A3Z66FCC600K	1,5	0,96
400	95	105	36,5	A3S66FCD400K	A3V66FCD400K	A3I66FCD400K	1,5	0,73	A3Z66FCD400K	1,5	0,77
500	95	105	36,5	A3S66FCD500K	A3V66FCD500K	A3I66FCD500K	1,5	0,85	A3Z66FCD500K	1,5	0,9
600	95	105	36,5	A3S66FCD600K	A3V66FCD600K	A3I66FCD600K	1,5	0,97	A3Z66FCD600K	1,5	1,03

NOTA: per elementi rettilinei e accessori con B=400÷600mm
NOTE: for straight elements and accessories with B=400÷600mm

Copri giunzione coperchi

Joint for covers

IP44 con coperchio/with cover	
-	M32 ↗



B mm	H mm	L mm	L1 mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
50	20	60	33	A3S67GXX050K	A3V67GXX050K	A3I67GXX050K	1,5	0,06	A3Z67GXX050K	1,5	0,07
75	20	60	33	A3S67GXX075K	A3V67GXX075K	A3I67GXX075K	1,5	0,08	A3Z67GXX075K	1,5	0,09
100	20	60	33	A3S67GXX100K	A3V67GXX100K	A3I67GXX100K	1,5	0,10	A3Z67GXX100K	1,5	0,11
150	20	60	33	A3S67GXX150K	A3V67GXX150K	A3I67GXX150K	1,5	0,14	A3Z67GXX150K	1,5	0,15
200	20	60	33	A3S67GXX200K	A3V67GXX200K	A3I67GXX200K	1,5	0,17	A3Z67GXX200K	1,5	0,18
300	20	60	33	A3S67GXX300K	A3V67GXX300K	A3I67GXX300K	1,5	0,24	A3Z67GXX300K	1,5	0,25
400	20	60	33	A3S67GXX400K	A3V67GXX400K	A3I67GXX400K	1,5	0,31	A3Z67GXX400K	1,5	0,33
500	20	60	33	A3S67GXX500K	A3V67GXX500K	A3I67GXX500K	1,5	0,38	A3Z67GXX500K	1,5	0,4
600	20	60	33	A3S67GXX600K	A3V67GXX600K	A3I67GXX600K	1,5	0,45	A3Z67GXX600K	1,5	0,48

Guarnizione autoadesiva
Self-adhesive gasket

IP44	
-	M33 ↗



H mm	L mm	-	S mm	⌘ kg/pz
8	10	A3X85A02X008	2,0	0,04
60	10	A3X85A02X060	2,0	0,30
150	10	A3X85A02X150	2,0	0,84

NOTA: LEM mousse autoestinguente - gomma espansa neoprene colore nero
NOTE: Self-extinguishing LEM mousse - black color neoprene expanded rubber

Vite testa bombata / dado in gabbia
Head slot screw / cage nut

-	
-	M32 ↗

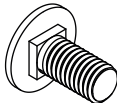
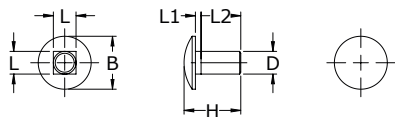


D	L mm	B mm	H mm	L1 mm	Inox AISI 316 AISI 316 S.S.	⌘ kg/pz
M5	10	10	13	3	D0Y13I05X08N	0,17

Ø	B mm	H mm	L1 mm	L2 mm	Inox AISI 316 AISI 316 S.S.	⌘ kg/pz
M5	10	8	10	5	D0Y22S05N	0,25

Accessori di giunzione
Junction end connection accessories

-	
-	- ↗



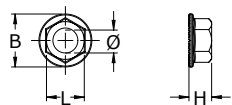
Classe / Class

D0C	4.6 - 4.8
D0I	70
D0Y	70

Vite testa tonda con quadro sottotesta / Round head screw with square neck

D	L mm	B mm	H mm	L1 mm	L2 mm	Dacromet Dacromet	Elettrolitico Electrolytic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz
M6	6	14	15	1,8	10,2	D0C10A06X12D	D0C10A06X12E	D0I10A06X12J	D0Y10A06X12N	0,52

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack



Classe / Class

D0C	6.5
D0I	70
D0Y	70

Dado esagonale flangiato / Flanged hexagonal nut

Ø	B mm	H mm	L mm	Dacromet Dacromet	Elettrolitico Electrolytic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz
M6	14	6	10	D0C16S06D	D0C16S06E	D0I16S06J	D0Y16S06N	0,34

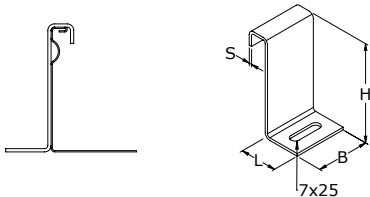
NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

Blocca passerella
Side profile locking device

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B mm	H mm	L mm	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	↗ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	↗ kg/pz
40	52	28	-	A3S98M5X050M	-	A3I98M5X050M	2,0	0,07	A3Z98M5X050M	2,0	0,07
40	77	28	-	A3S98M5X075M	-	A3I98M5X075M	2,0	0,08	A3Z98M5X075M	2,0	0,08
40	102	28	-	A3S98M5X100M	-	A3I98M5X100M	2,0	0,09	A3Z98M5X100M	2,0	0,09

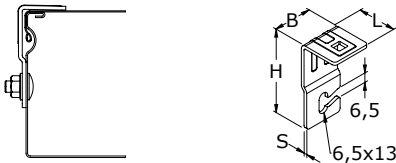
NOTA: bulloneria di fissaggio M6 non inclusa.
NOTE: M6 fixing hardware not included.

Blocca coperchio a vite
Cover clamp with screw

-

-

M36 ↗



B mm	H mm	L mm	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	↗ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	↗ kg/pz
25	52	25	-	A3S90MXE050M	-	A3I90MXE050M	2,0	0,02	A3Z90MXE050M	2,0	0,03

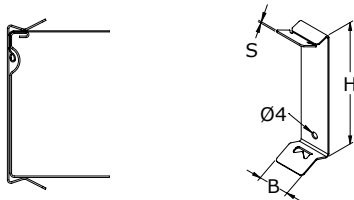
NOTA: bulloneria di fissaggio M6 non inclusa.
NOTE: M6 fixing hardware not included.

Blocca coperchio a molla
Spring cover clamp

-

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- ↗



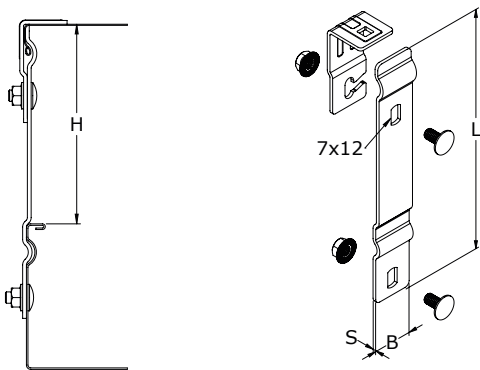
B mm	H mm	-	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 301 AISI 301 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
20	50	-	-	-	-	A3Q92XXD050D	0,8	0,02	-	-	-
20	75	-	-	-	-	A3Q92XXD075D	0,8	0,02	-	-	-
20	100	-	-	-	-	A3Q92XXD100D	0,8	0,02	-	-	-

Alza blocca coperchio
Cover spacer

-

-

- ↗



B mm	H mm	L mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316 AISI 316 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⌘ kg/pz
25	55	105	A3S-93F2X050ME02	A3I-93F2X050MJ02	A3Y-93F2X050MN02	2,0	0,10	A3Z-93F2X050MD02	2,0	0,11
25	105	155	A3S-93F2X100ME02	A3I-93F2X100MJ02	A3Y-93F2X100MN02	2,0	0,13	A3Z-93F2X100MD02	2,0	0,14
25	130	180	A3S-93F2X125ME02	A3I-93F2X125MJ02	A3Y-93F2X125MN02	2,0	0,14	A3Z-93F2X125MD02	2,0	0,15

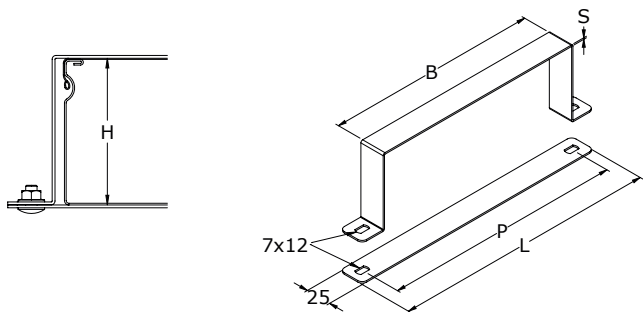
NOTA: articolo completo di n°2 viti e dadi M6
NOTE: item complete with n°2 screws and nuts M6

Blocca coperchio ad omega di sicurezza
Security cover clamp

-

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B mm	H mm	L mm	P mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚡ kg/pz
60	52	110	85	A3S98AZB050K	A3VS98AZB050K	A3I98AZB050K	1,5	0,10	A3Z98AZB050K	1,5	0,11
85	52	135	110	A3S98AZB075K	A3VS98AZB075K	A3I98AZB075K	1,5	0,11	A3Z98AZB075K	1,5	0,12
110	52	160	135	A3S98AZB100K	A3VS98AZB100K	A3I98AZB100K	1,5	0,13	A3Z98AZB100K	1,5	0,14
160	52	210	185	A3S98AZB150K	A3VS98AZB150K	A3I98AZB150K	1,5	0,16	A3Z98AZB150K	1,5	0,17
210	52	260	235	A3S98AZB200K	A3VS98AZB200K	A3I98AZB200K	1,5	0,18	A3Z98AZB200K	1,5	0,19
310	52	360	335	A3S98AZB300K	A3VS98AZB300K	A3I98AZB300K	1,5	0,24	A3Z98AZB300K	1,5	0,26
410	52	460	435	A3S98AZB400K	A3VS98AZB400K	A3I98AZB400K	1,5	0,30	A3Z98AZB400K	1,5	0,32
510	52	560	435	A3S98AZB500K	A3VS98AZB500K	A3I98AZB500K	1,5	0,35	A3Z98AZB500K	1,5	0,37
610	52	660	635	A3S98AZB600K	A3VS98AZB600K	A3I98AZB600K	1,5	0,41	A3Z98AZB600K	1,5	0,44
85	77	135	110	A3S98AZC075K	A3VS98AZC075K	A3I98AZC075K	1,5	0,13	A3Z98AZC075K	1,5	0,14
110	77	160	135	A3S98AZC100K	A3VS98AZC100K	A3I98AZC100K	1,5	0,15	A3Z98AZC100K	1,5	0,15
160	77	210	185	A3S98AZC150K	A3VS98AZC150K	A3I98AZC150K	1,5	0,18	A3Z98AZC150K	1,5	0,19
210	77	260	235	A3S98AZC200K	A3VS98AZC200K	A3I98AZC200K	1,5	0,20	A3Z98AZC200K	1,5	0,21
310	77	360	335	A3S98AZC300K	A3VS98AZC300K	A3I98AZC300K	1,5	0,26	A3Z98AZC300K	1,5	0,28
410	77	460	435	A3S98AZC400K	A3VS98AZC400K	A3I98AZC400K	1,5	0,32	A3Z98AZC400K	1,5	0,34
510	77	560	435	A3S98AZC500K	A3VS98AZC500K	A3I98AZC500K	1,5	0,37	A3Z98AZC500K	1,5	0,39
610	77	660	635	A3S98AZC600K	A3VS98AZC600K	A3I98AZC600K	1,5	0,43	A3Z98AZC600K	1,5	0,46
110	102	160	135	A3S98AZD100K	A3VS98AZD100K	A3I98AZD100K	1,5	0,16	A3Z98AZD100K	1,5	0,17
160	102	210	185	A3S98AZD150K	A3VS98AZD150K	A3I98AZD150K	1,5	0,19	A3Z98AZD150K	1,5	0,2
210	102	260	235	A3S98AZD200K	A3VS98AZD200K	A3I98AZD200K	1,5	0,21	A3Z98AZD200K	1,5	0,22
310	102	360	335	A3S98AZD300K	A3VS98AZD300K	A3I98AZD300K	1,5	0,27	A3Z98AZD300K	1,5	0,29
410	102	460	435	A3S98AZD400K	A3VS98AZD400K	A3I98AZD400K	1,5	0,33	A3Z98AZD400K	1,5	0,35
510	102	560	435	A3S98AZD500K	A3VS98AZD500K	A3I98AZD500K	1,5	0,38	A3Z98AZD500K	1,5	0,4
610	102	660	635	A3S98AZD600K	A3VS98AZD600K	A3I98AZD600K	1,5	0,44	A3Z98AZD600K	1,5	0,47

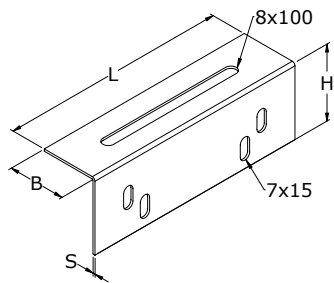
NOTA: bulloneria di fissaggio M6 non inclusa.
NOTE: M6 fixing hardware not included.

Accessori vari
Various accessories

-

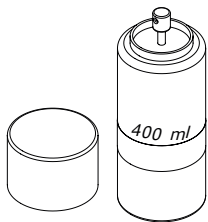
-

M36 ↗



Derivazione per tubo / Derivation for pipe

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
35	50	150	1,5	A0S95S4H150K	A0V95S4H150K	A0I95S4H150K	0,14	A0Z95S4H150K	0,15



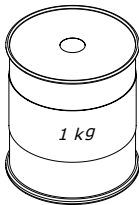
Zincante e vernice spray / Spray Zinc and paint

Codice Code	⚖ kg/pz	Colore Colour
D0V80B0400	0,42	RAL 5012
D0Z80X0400	0,42	-

NOTA: da usare per il ripristino della zincatura o della verniciatura
NOTE: to be used for the restoration of galvanizing or painting

Accessori vari
Various accessories

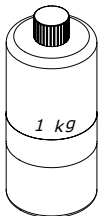
-	
-	- ↗



Zincante e vernice liquidi / Liquid zinc and paint

Codice Code	⚖ kg/pz	Colore Colour
D0Z81X1000	1,0	-
D0V81B1000	1,0	RAL 5012
D0V81G1000	1,0	RAL 7035

NOTA: da usare per il ripristino della zincatura o della verniciatura
NOTE: to be used for the restoration of galvanizing or painting

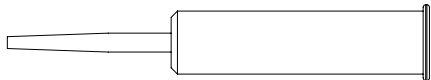


Diluente / Thinner

Codice Code	⚖ kg/pz	Confezione Pack
D0D81X1000	1,0	1 KG

Accessori vari
Various accessories

-	
-	- ↗



Sigillante per IP44 / Sealant for IP44

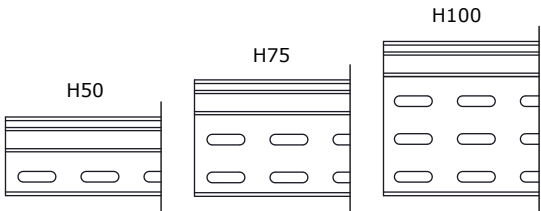
Codice Code	⚡ kg/pz	Confezione Pack
D0Q82X0300	0,3	300 ML

Schemi foratura e calcoli spostamento accessori

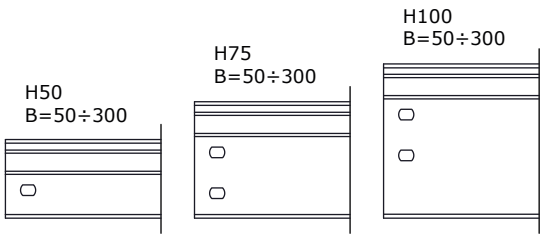
Perfired scheme and move calculation for accessories

Schema foratura elementi rettilinei

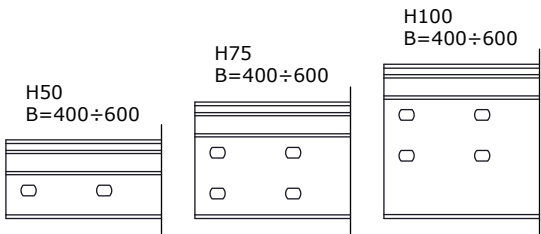
Perfired straight elements scheme



Asole 7x25 - passo 41,67mm
Holes 7x25 - pitches 41,67mm



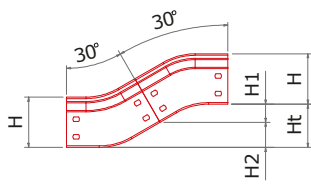
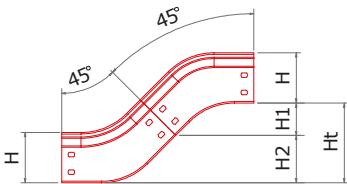
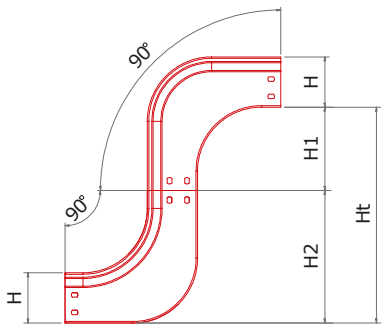
Asole 7x12 (alle estremità)
Holes 7x12 (at the ends)



Asole 7x12 - passo 50mm (alle estremità)
Holes 7x12 - pitches 50mm (at the ends)

Calcolo spostamento verticale con montaggio di curve salita/discesa

Calculation of the vertical move with installation of inside/outside bends



Cod. A3_30F/A3_33F			
H mm	H1 mm	H2 mm	Ht mm
50	129	181	310
75	129	206	335
100	129	236	365

Cod. A3_31F/A3_34F			
H mm	H1 mm	H2 mm	Ht mm
50	50	66	116
75	50	73	123
100	50	81	131

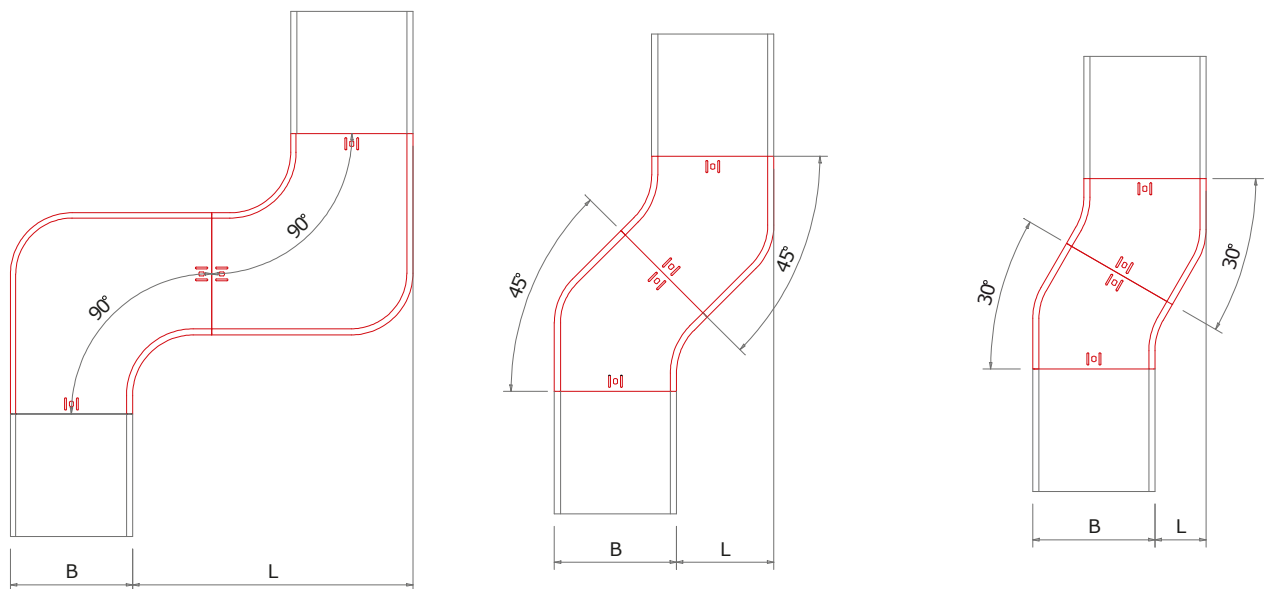
Cod. A3_32F/A3_35F			
H mm	H1 mm	H2 mm	Ht mm
50	28	35	63
75	28	39	67
100	28	42	70

Schemi foratura e calcoli spostamento accessori

Perfired scheme and move calculation for accessories

Calcolo spostamento laterale con mongtaggio di curve orizzontali

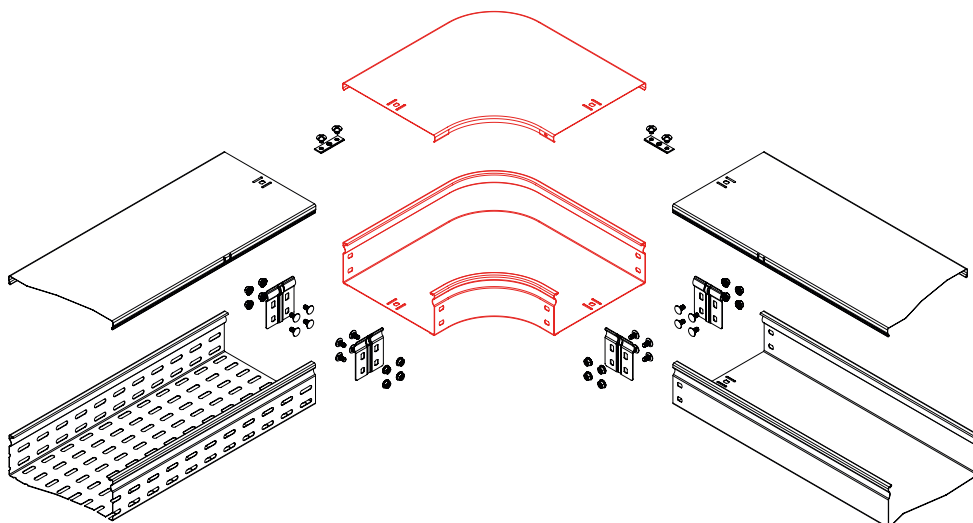
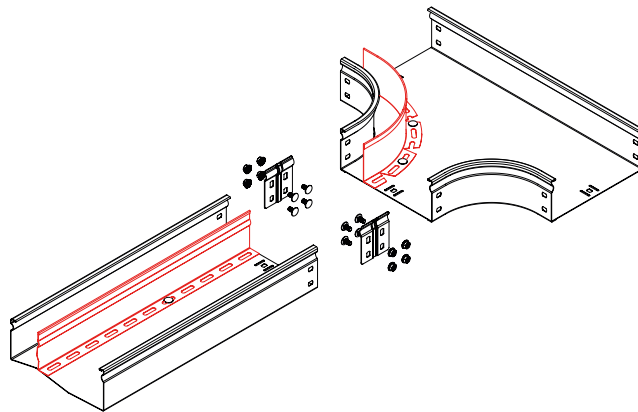
Calculation of the lateral move with installation of the horizontal bends



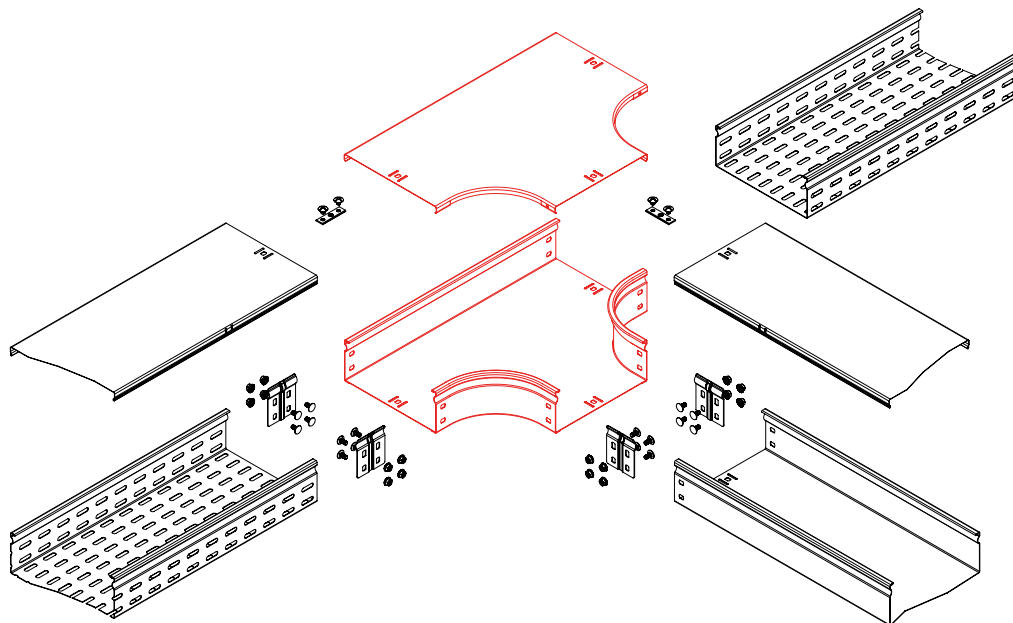
Cod. A3_10F	
B mm	L mm
50	308
75	333
100	358
150	408
200	458
300	558
400	658
500	758
600	858

Cod. A3_11F	
B mm	L mm
50	115
75	122
100	130
150	144
200	159
300	186
400	218
500	247
600	276

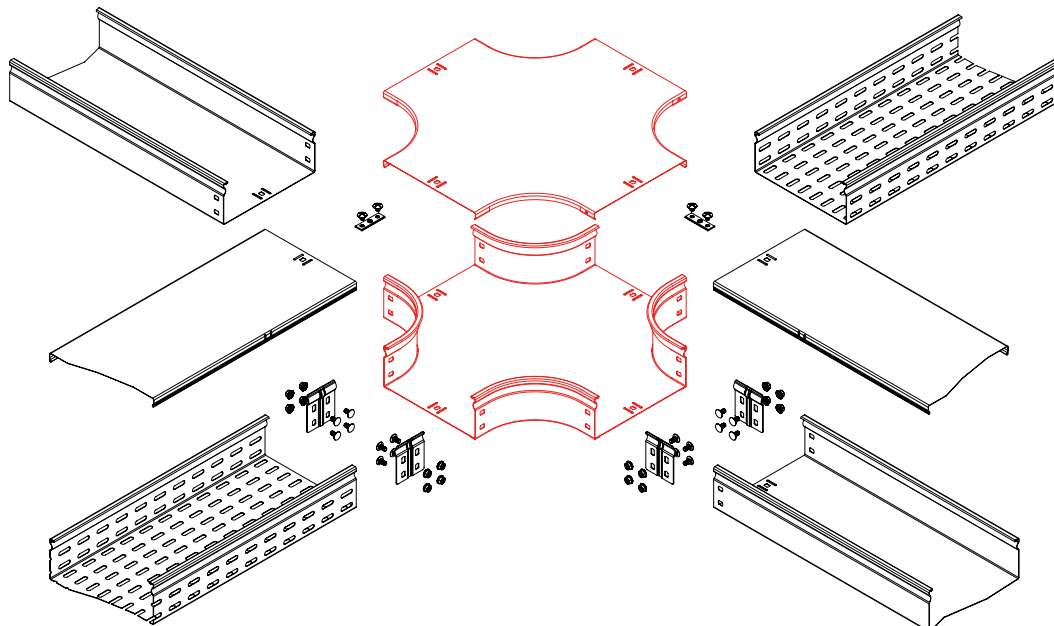
Cod. A3_12F	
B mm	L mm
50	63
75	67
100	70
150	77
200	83
300	97
400	110
500	124
600	137



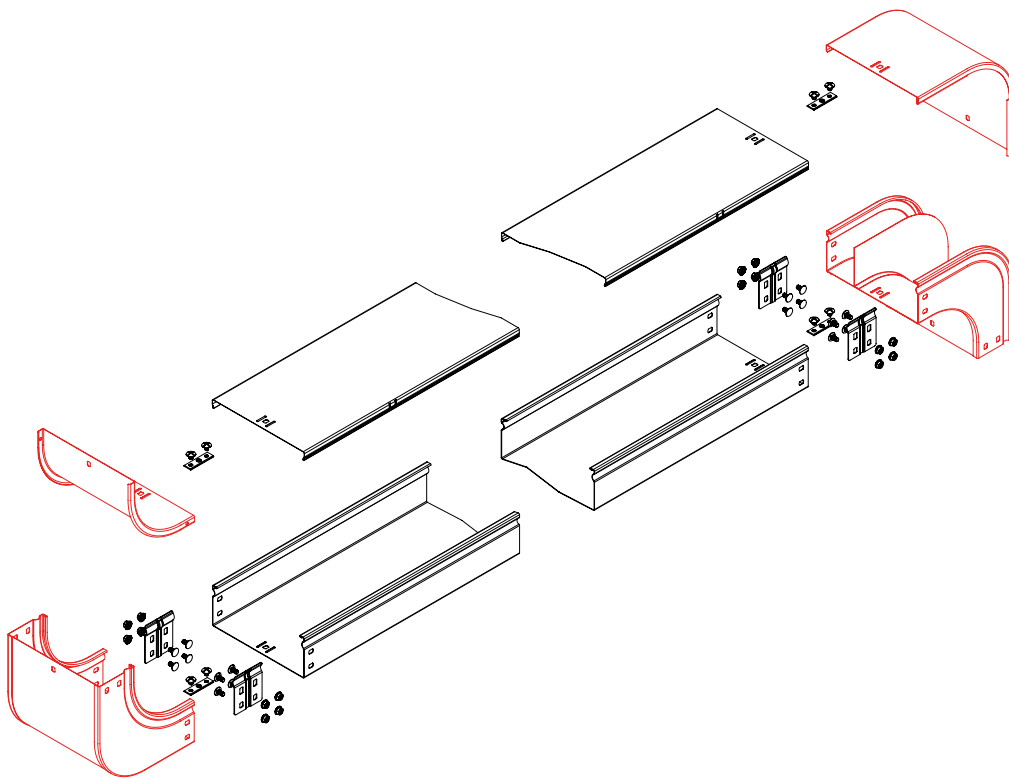
M03



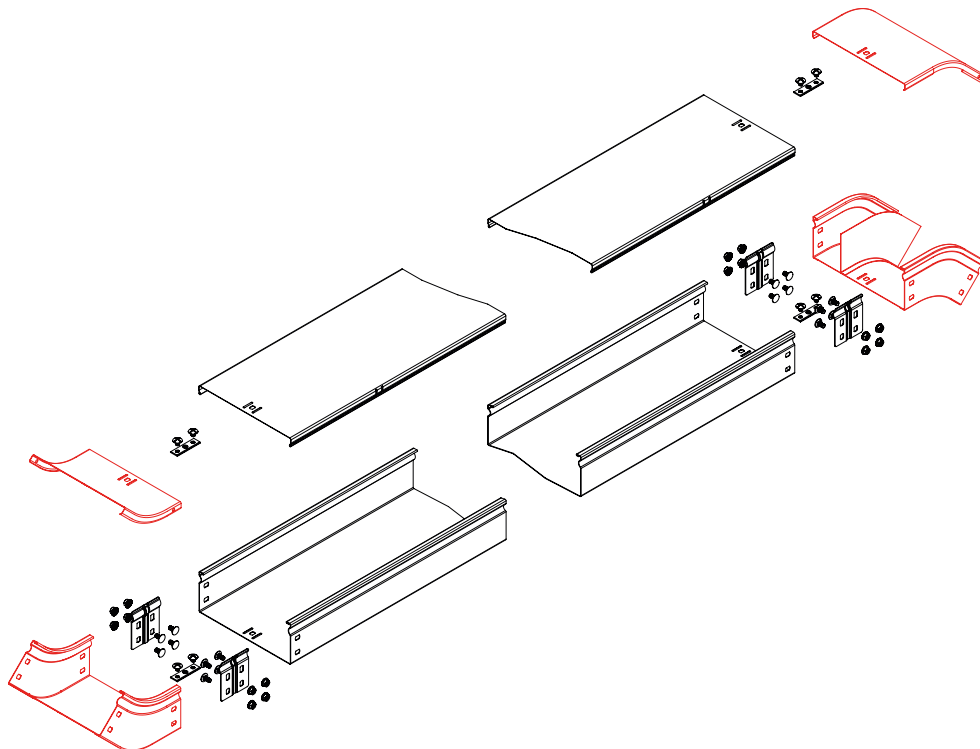
M04



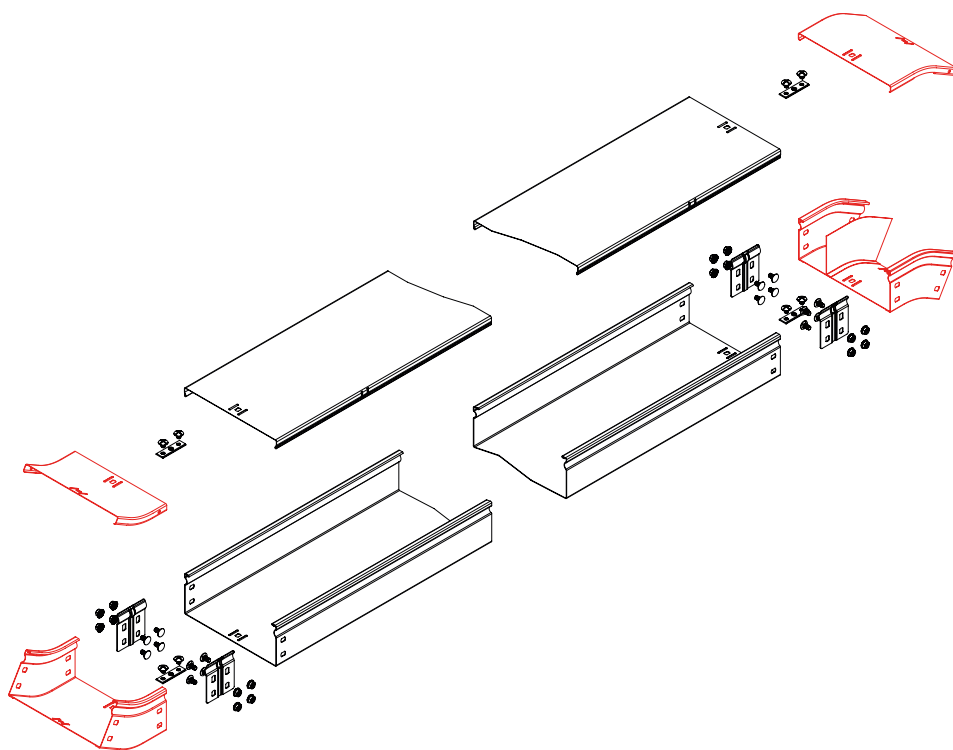
M05



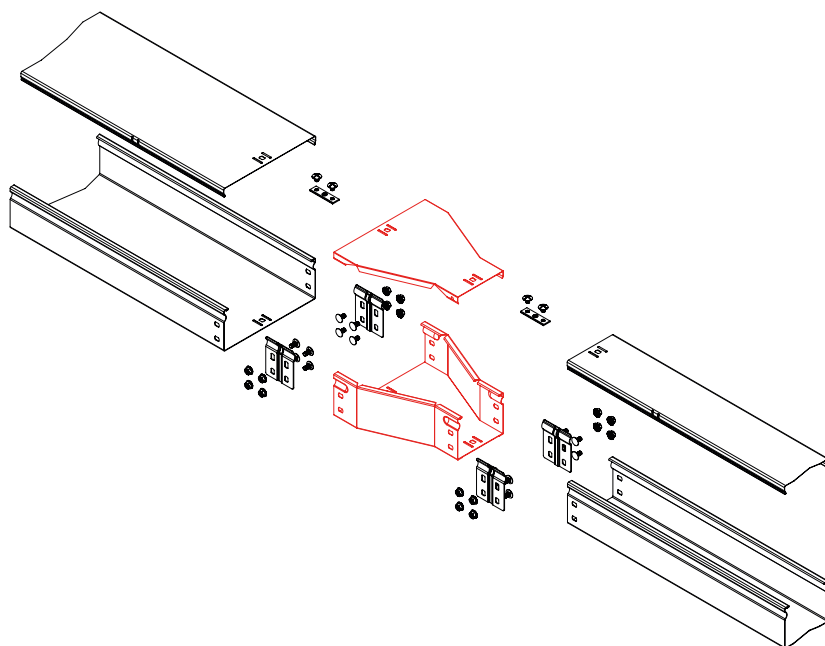
M06



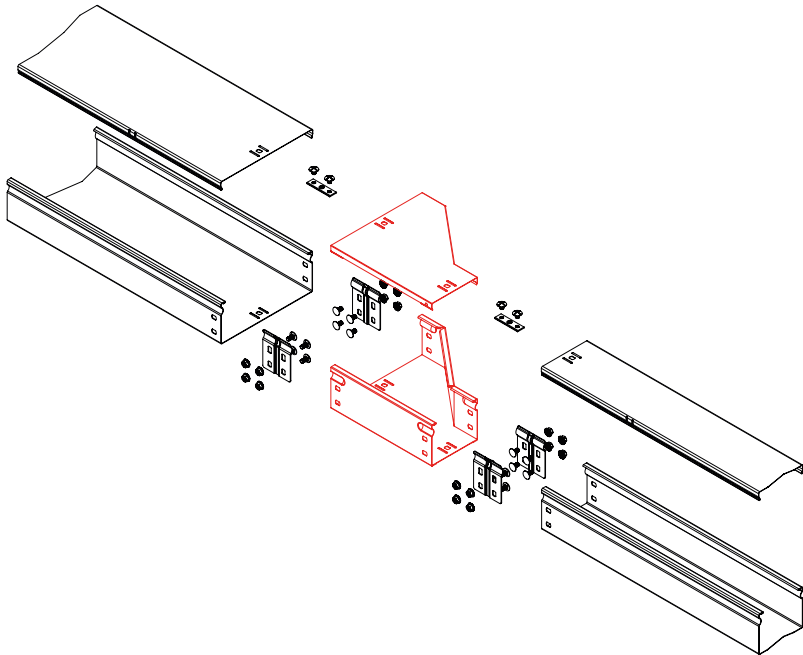
M07



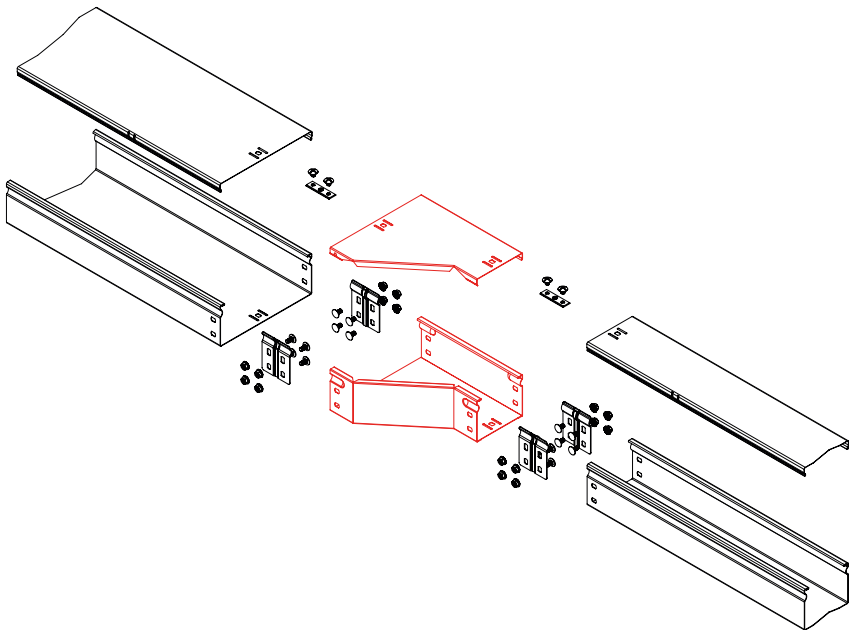
M08



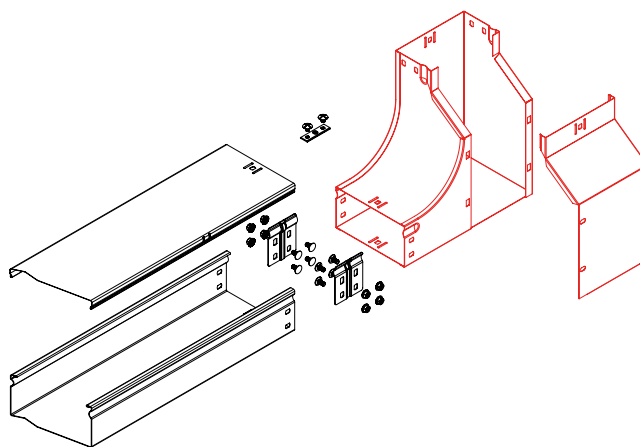
M09



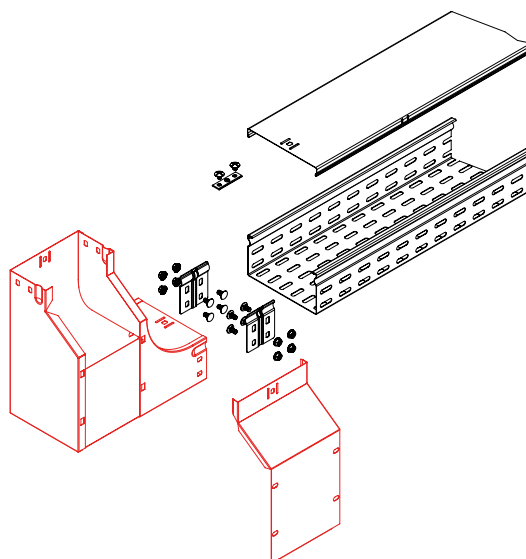
M10



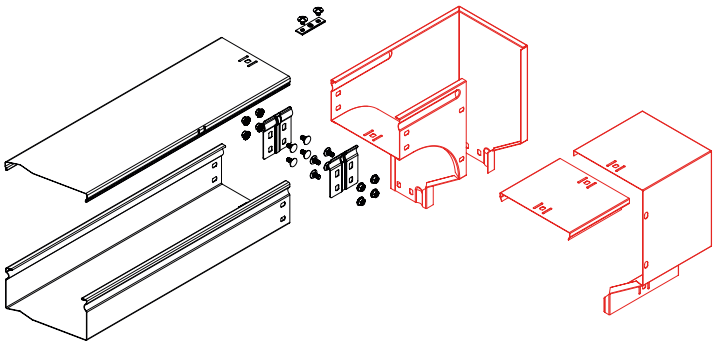
M11



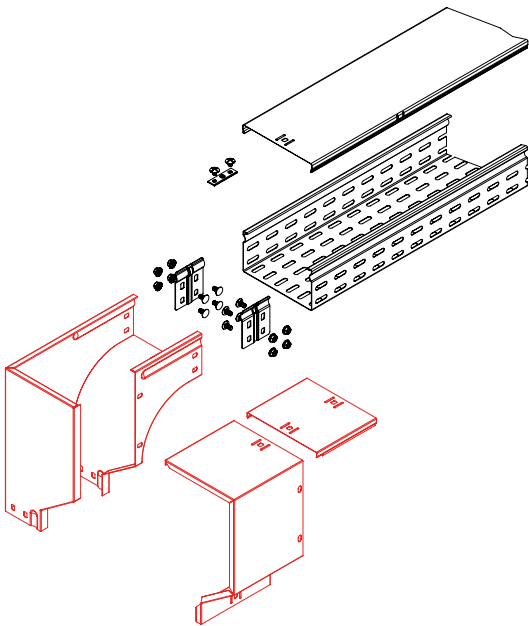
M12



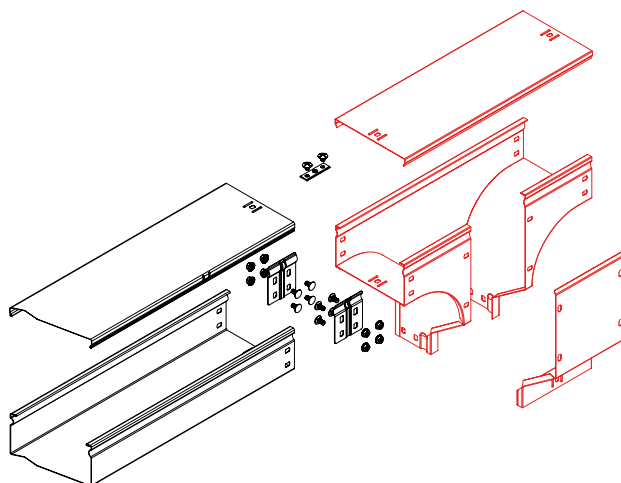
M13



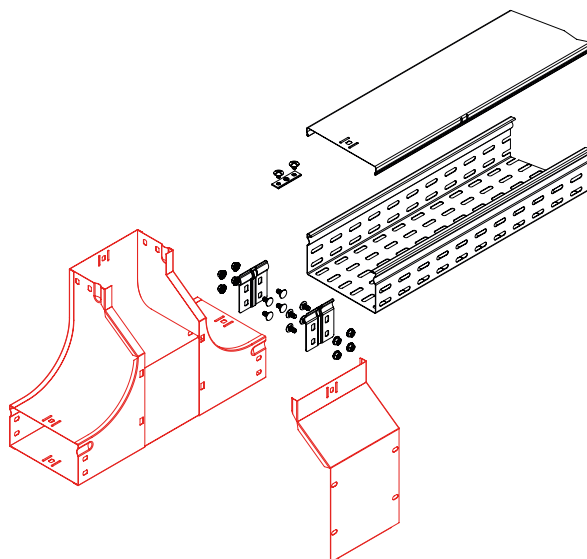
M14



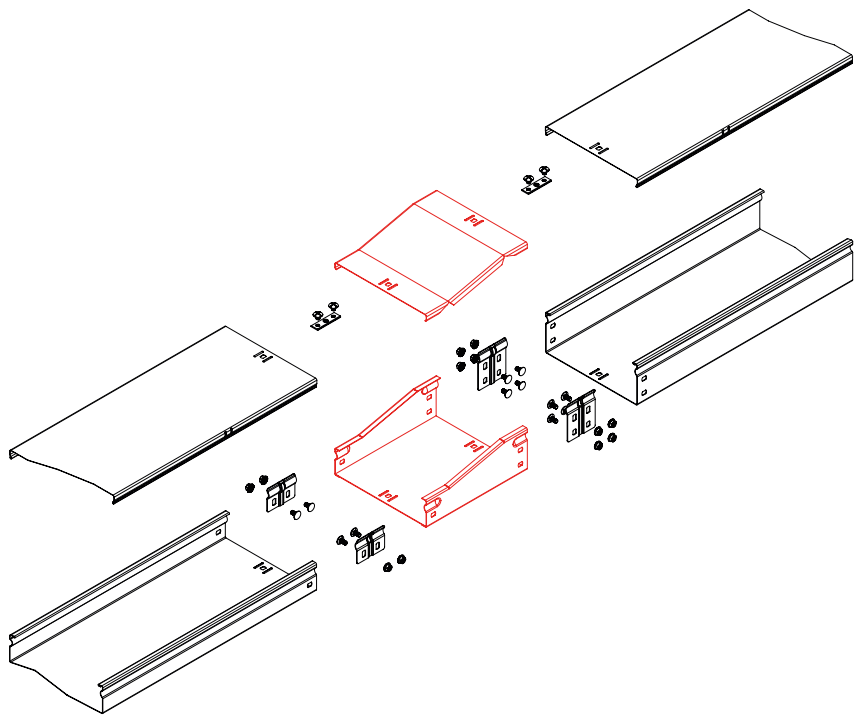
M15



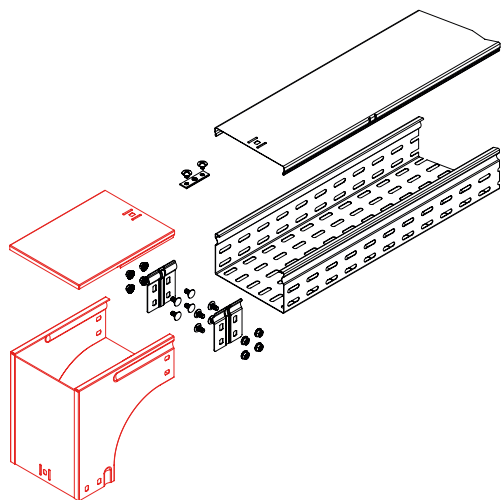
M16



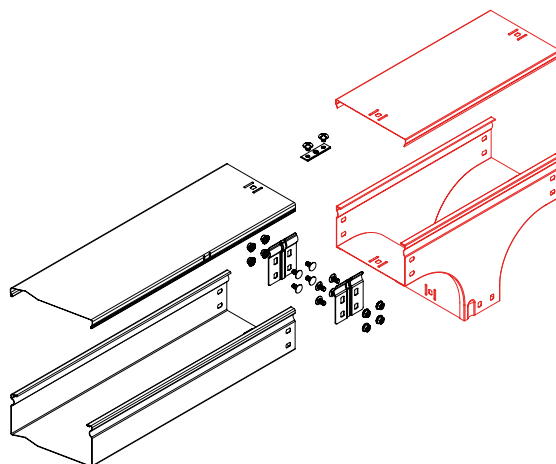
M17



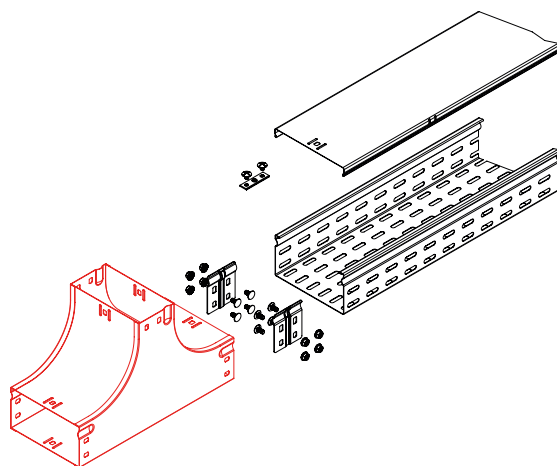
M18

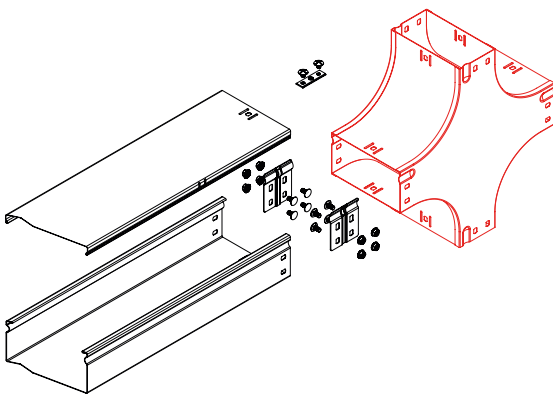
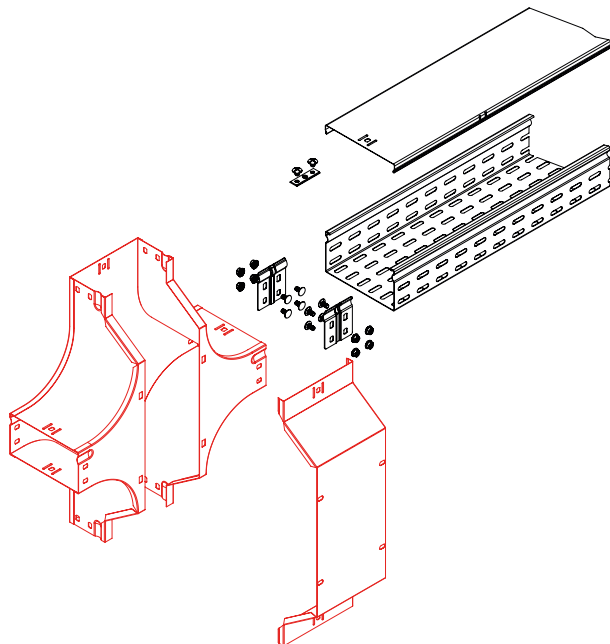


M19

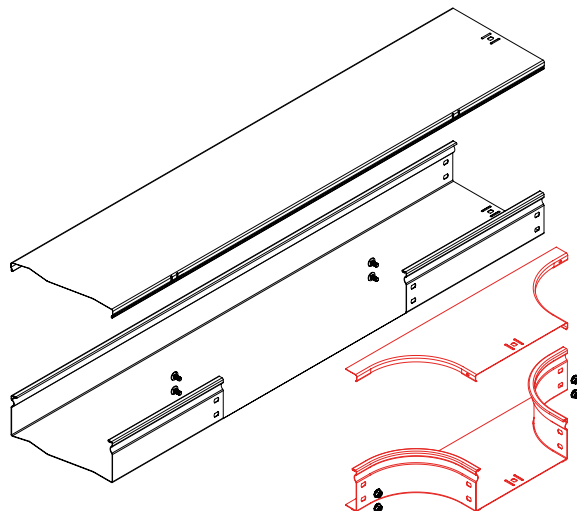


M20

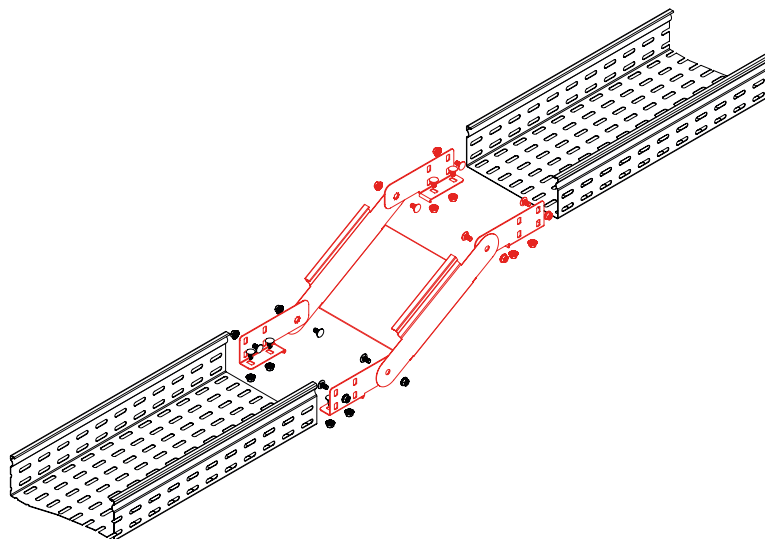




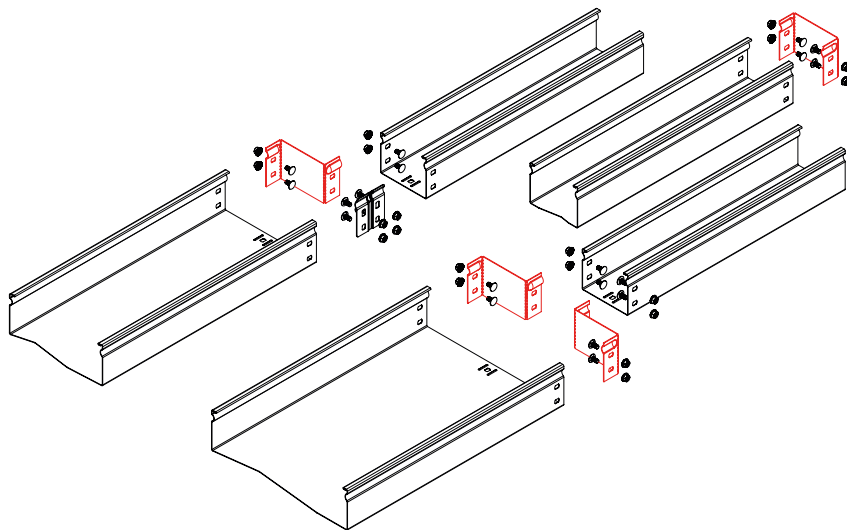
M23



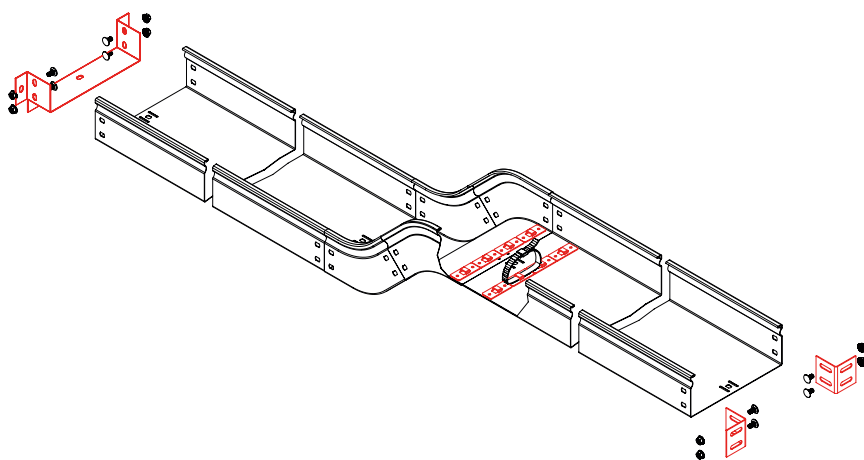
M24

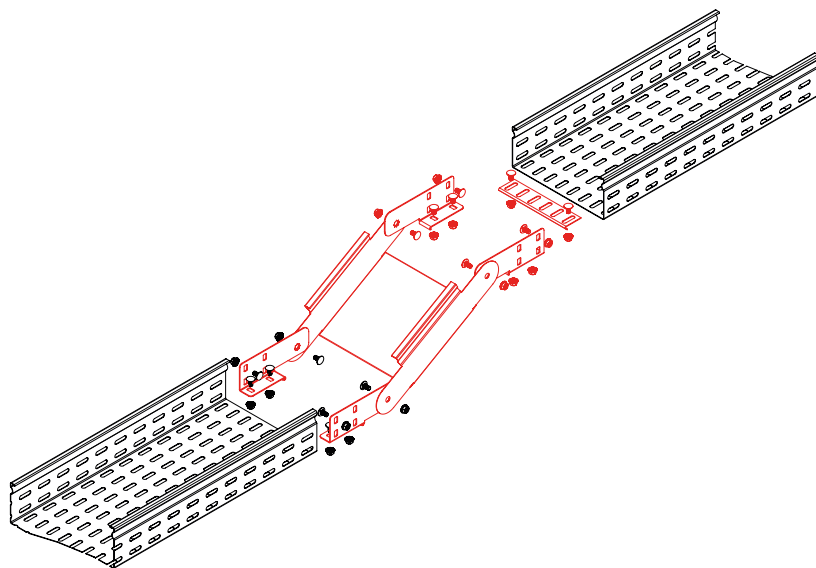
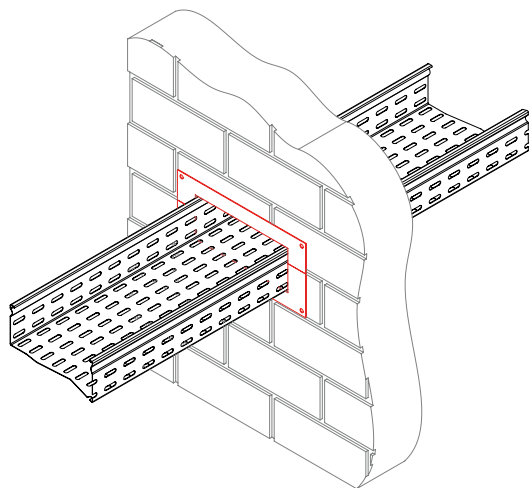


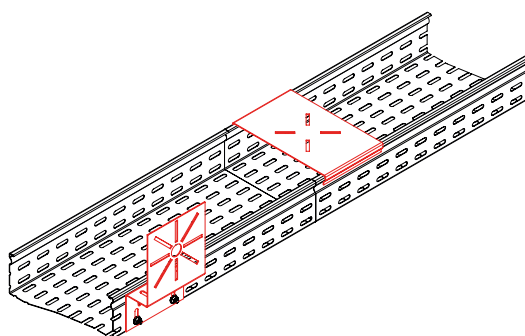
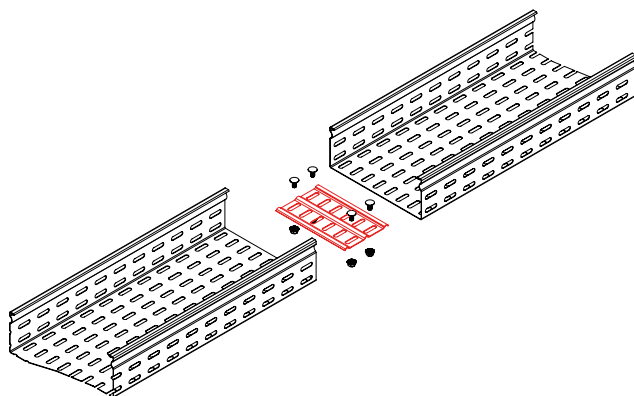
M25

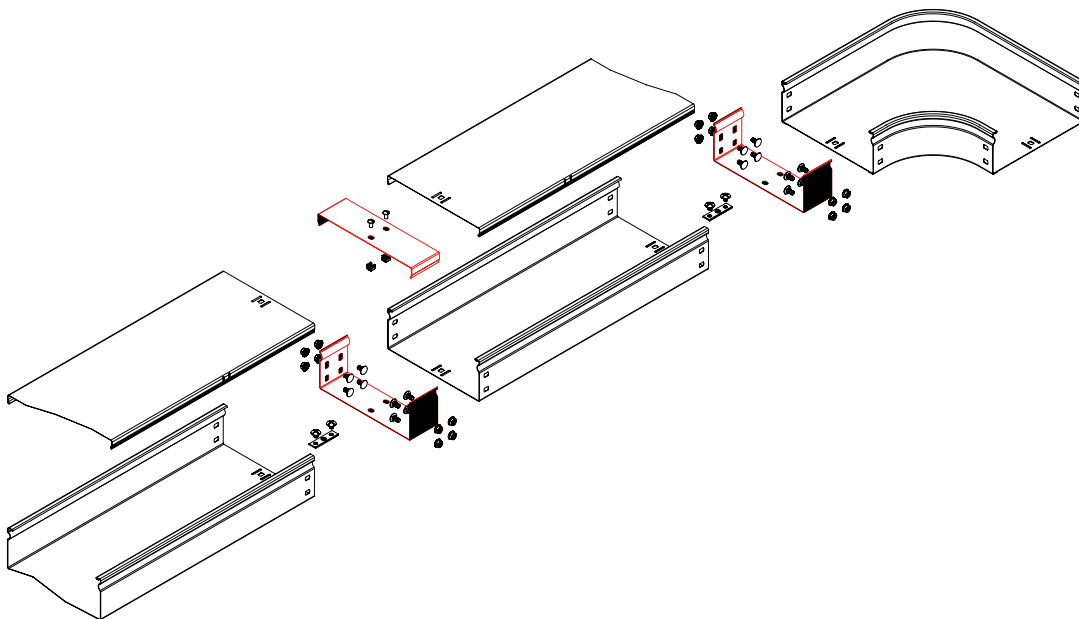
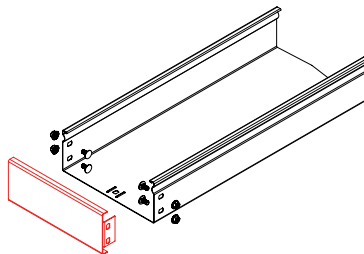


M26

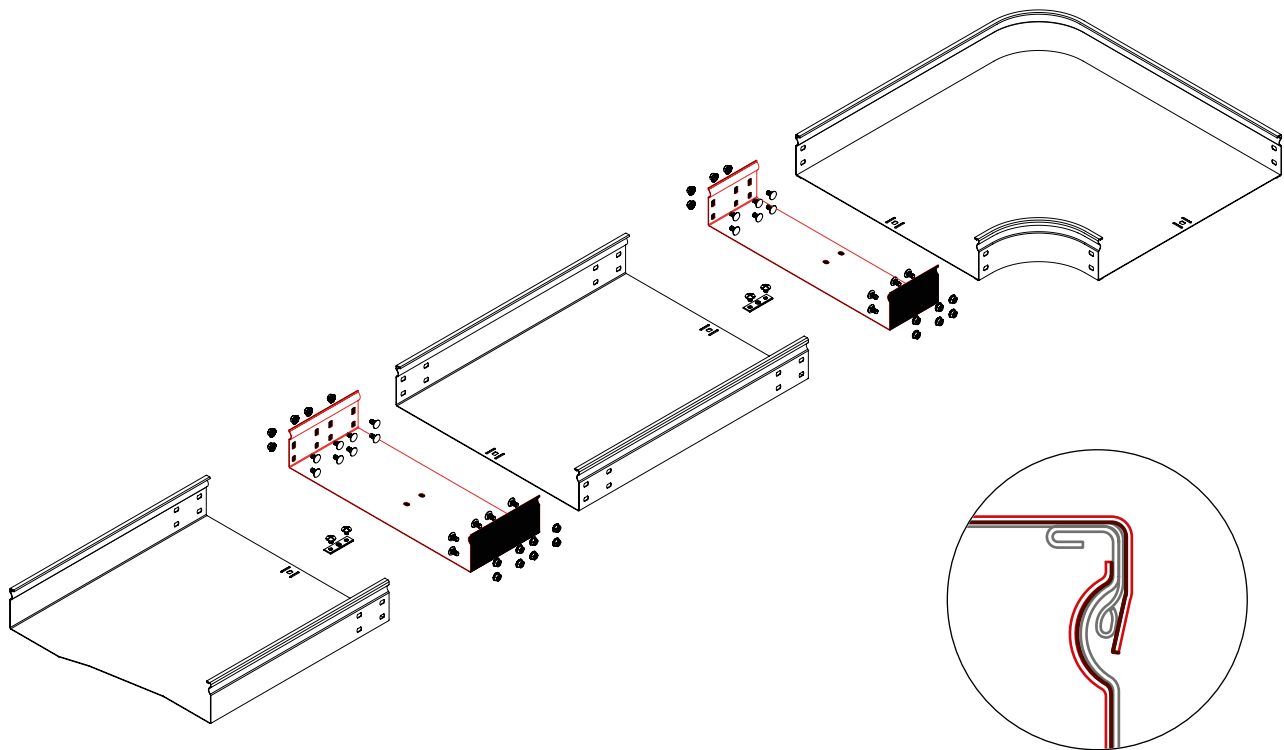




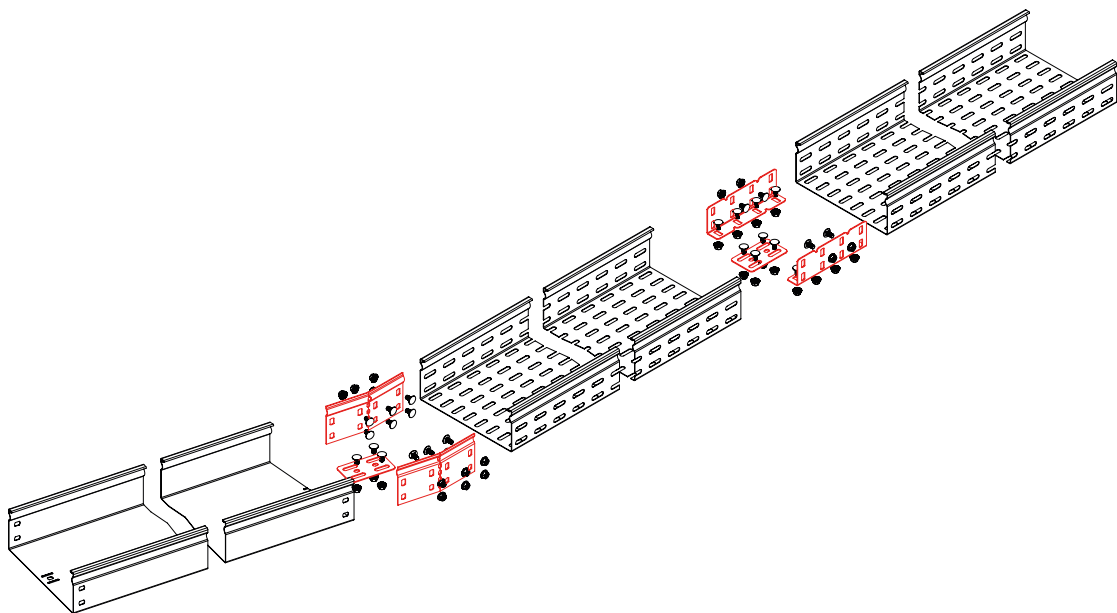




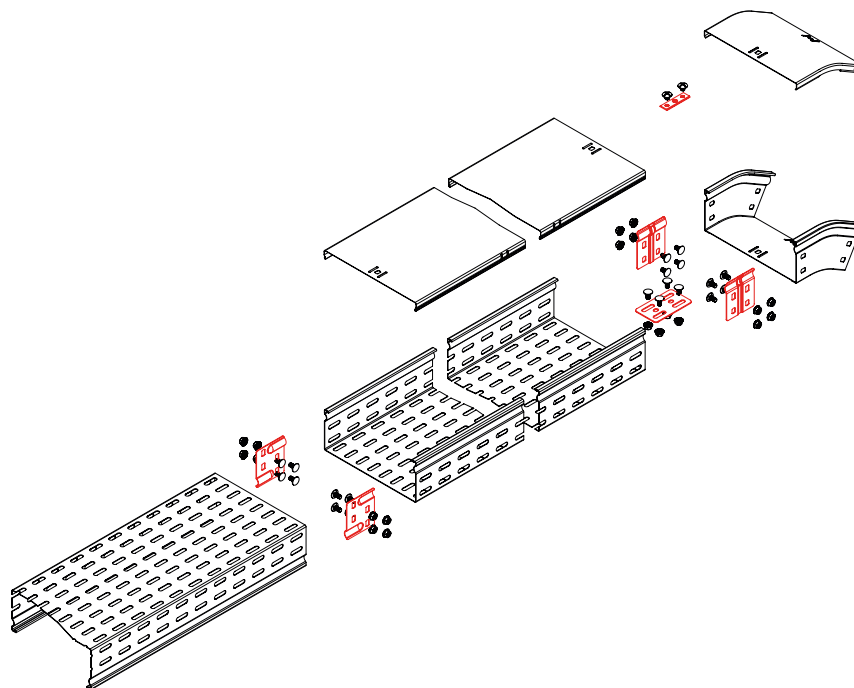
M33



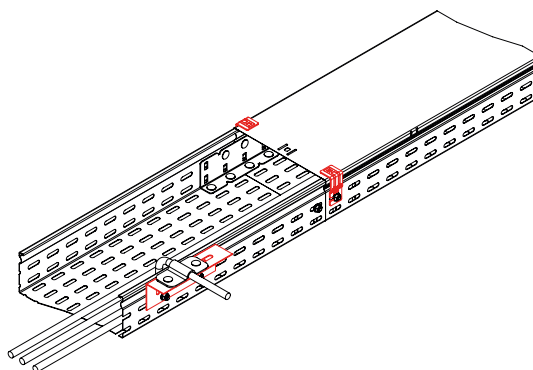
M34



M35



M36



PASSERELLE A RETE
MESH CABLE TRAYS



Il sistema di canalizzazione portacavi a rete metallica è disponibile in diverse versioni ed è costruito in conformità alla norma IEC 61537. È ideale per la distribuzione e supportazione dei cavi elettrici in edifici a destinazione civile, terziario ed industriale. Peculiarità/prerogativa principale: massima ventilazione dei cavi e la loro identificazione a vista. Attraverso l'utilizzo di una

cesoia è possibile con semplici interventi di taglio, modificare il tratto rettilineo sia nelle sue misure di base e di altezza, che di direzione, creando derivazioni di ogni tipo. Il sistema si presta quindi a facili adattamenti in opera, a qualsiasi percorso cavi, senza la necessità di particolari pezzi speciali (curve, derivazioni, etc.), ma soltanto apportando le modifiche necessarie in fase di installazione.



Metal mesh tray system, available in different versions, manufactured according to the IEC 61537 norm, ideal for the distribution and support of the electrical cables in buildings for civil, tertiary and industrial purposes. Peculiarity/ main characteristic: maximum ventilation of cables and their identification at sight. By using a wire cutter, with simple interventions of cut, it is possible to

modify the straight element both in its base and height dimensions and in its direction, creating derivations of any type. Therefore the system is suitable for easy adjustments on site, for any cable route, without the necessity of particular special pieces (bends, derivations, etc.), but only by making the necessary modifications during installation.

I punti di forza

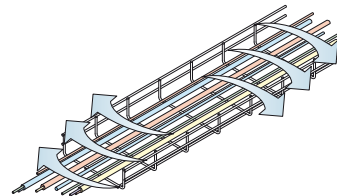
Top points

Massima ventilazione dei cavi

La tipologia della rete assicura la massima aerazione all'interno del canale portacavi, permettendo così l'impiego di cavi per alte intensità di corrente. Confrontando il raffreddamento che avviene su cavi posizionati all'interno della canalizzazione in rete rispetto ad altri tipi, si osserva che, a parità di riscaldamento, la corrente ammissibile è superiore del 5-25%.

Maximum ventilation of cables

The mesh tray typology assures the maximum aeration inside the cable tray allowing in this way the use of cables for high current intensities. By comparing the cooling that takes place on cables placed inside the mesh tray to other types, it may be observed that, with the same heating, the allowable current is 5-25% higher.

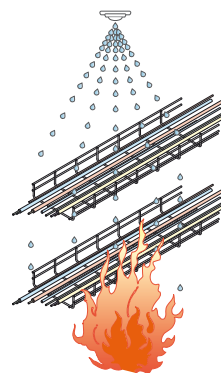


Sicurezza in caso d'incendio

In caso di incendio, i cavi possono essere raggiunti molto rapidamente dall'agente estinguente. Soprattutto nei casi di installazione di linee con passerelle a più strati, anche quelle poste più in basso e sotto le altre possono essere raggiunte dall'agente estinguente proveniente dagli estintori a doccia.

Security in case of fire

In case of fire, the cables can be reached very rapidly by the extinguishing agent. Most of all in case of installation of lines with several layers of trays, even the ones placed at the bottom and below the other ones can be reached by the extinguishing agent coming from the shower extinguishers.

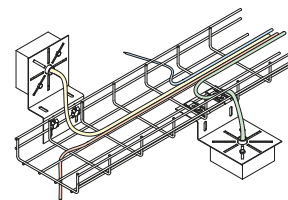


Facilità di derivazione cavi

L'aggiunta o la sostituzione dei cavi può essere eseguita assai comodamente senza dover operare modifiche di installazione, potendo utilizzare ogni punto del percorso come uscita.

Easiness of cable derivation

Cables can be added or replaced quite easily without having to make any alteration to the installation, as any point of the route can be used as an exit.



I punti di forza

Top points

L'ispezione dei cavi è molto facile

Grazie alla maglie della rete, l'ispezione dei cavi risulta di molto facilitata anche per l'eventuale inserimento di strumenti di controllo.

The inspection of cable is very easy

Thanks to the meshes of the tray, the cable inspection is much easier even for the possible insertion of control instruments.

Il peso è contenuto

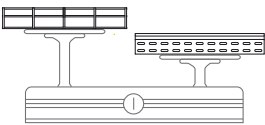
La peculiarità di questa tipologia di prodotto lo posiziona sicuramente tra i più leggeri. Più sotto vengono riportate le differenze di peso in percentuale, rispetto alle altre nostre famiglie di prodotto:

FAMIGLIA	TIPO DI PRODOTTO	DA	A
FEMI-CZ 4 /FEMI 3	CANALE PORTACAVI	-20%	-50%
FEMI-CZ 4 /FEMI-CZ 2	SCALETTA PORTACAVI	-25%	-70%

The weight is low

The peculiarity of this type of product puts it for sure among the lightest ones. Here below the differences of weight in percentage are shown, compared with the other families of our products:

FAMILY	TYPE OF PRODUCT	FROM	TO
FEMI-CZ 4 /FEMI 3	CABLE TRAY	-20%	-50%
FEMI-CZ 4 /FEMI-CZ 2	LADDER CABLE TRAY	-25%	-70%

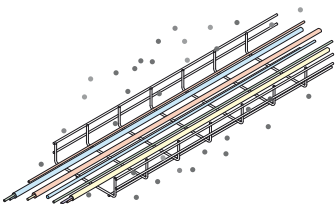


I depositi di polvere sono ridotti al minimo

Proprio per come è fatto questo tipo di rete, l'accumulo di polvere è praticamente assente.

Dust deposits are reduced to the minimum

Due to the shape of this mesh tray, the accumulation of dust is practically absent .

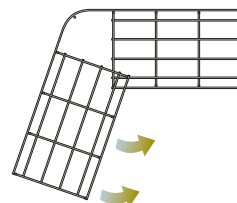


I punti di forza

Top points

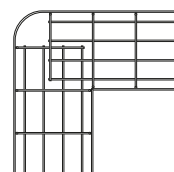
Il montaggio sicuro e semplice

Con soli elementi rettilinei, il progettista dell'impianto può realizzare tipi di curve, derivazioni, calate ed ogni sorta di elementi complementari che meglio si adattano alle caratteristiche di ogni struttura. Con l'impiego quindi di una cesoia manuale e di morsetti universali, gli elementi rettilinei possono essere adattati a percorsi anche molto tortuosi. E' consigliabile utilizzare una cesoia con lame inclinate e leve lunghe. La scelta ed il posizionamento delle lame nel punto dove deve essere effettuato il taglio, permette di ottenere una recisione netta, e deve essere il più vicino possibile all'intersezione dei fili d'acciaio. Per la versione zincata a caldo, lo strato protettivo di zinco sarà in parte trascinato sul taglio favorendone la creazione di una coppia galvanica che proteggerà la superficie del tondino reciso. E' comunque fortemente consigliato, ripristinare lo strato di zinco sui tondini recisi, utilizzando apposito zincante spray o liquido.

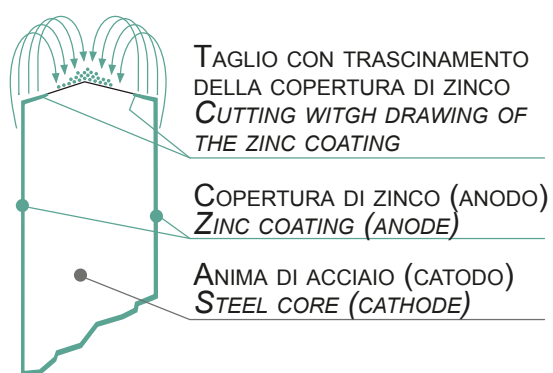
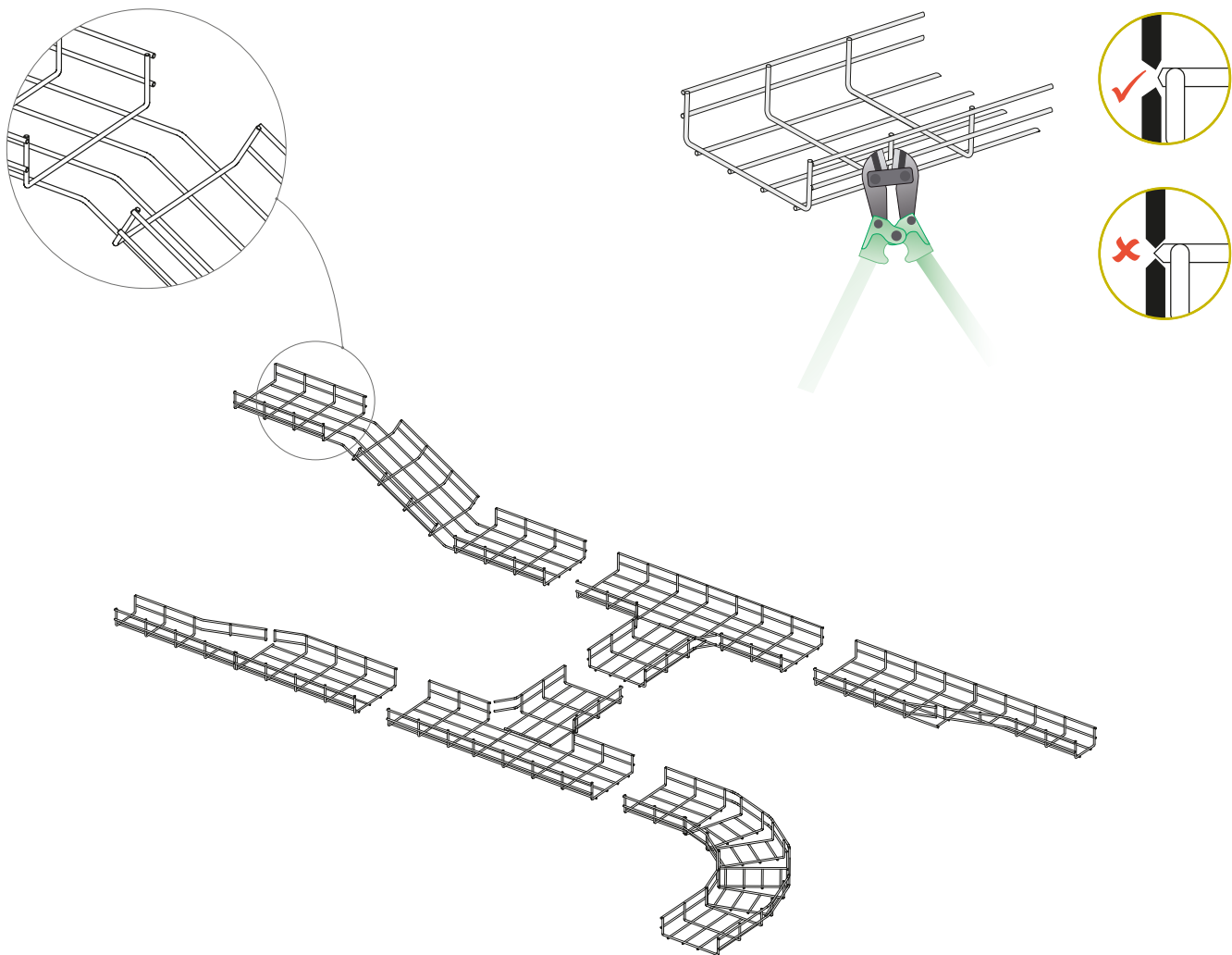


Installation is simple and safe

By using only straight elements, the plant designer can make types of bends, derivations, outside bends and all kinds of complementary elements that are better suited to the characteristics of each structure. Therefore, by using a manual wire cutter and universal clamps, the straight elements can be adapted to very winding routes too. It is advisable to use a wire cutter with inclined blades and long levers. The choice and positioning of the blades in the point where the cut has to be made allows to obtain a precise cutting off and shall be as close as possible to the intersection of the steel wires. For the hot-dip galvanized version the protective layer of zinc will be partly drawn on the cut, favouring the creation of a galvanic couple that will protect the surface of the cut rod iron. However, it is strongly recommended to restore the layer of zinc on the cut rod irons using a specific zinc spray or liquid.



I punti di forza
Top points



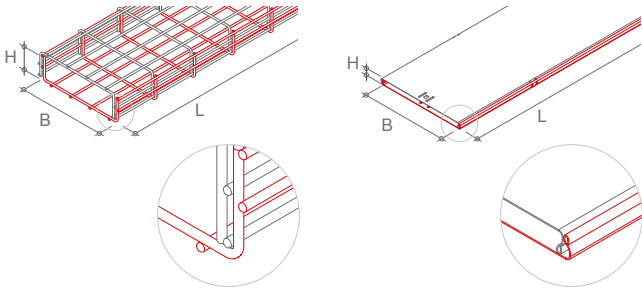
Imballaggio prodotti

Packaging of the products

L'imballaggio degli elementi rettilinei di passerella a rete e dei relativi coperchi è fatto in modo da ottimizzare i volumi e pertanto ogni pezzo viene accoppiato con un altro ruotato di 180°. L'imballo/ confezione viene fissato mediante reggette. Più sotto sono riportati i metri di canale e di coperchio per ogni imballo/ confezione. I valori riportati in tabella, sono soltanto indicativi. Infatti l'imballaggio può essere ottimizzato in base ai quantitativi o su specifica richiesta del cliente in fase di ordine. A seconda delle necessità possono anche essere adottate soluzioni di imballaggio particolarmente protettive (gabbie di legno), adatte a spedizioni in container.

Packing of the mesh tray straight elements and of their respective covers is made so that to optimise the volumes and therefore each element is coupled with another one rotated by 180°. The package/ bundle is fastened by means of steel straps. Here below the metres of cable tray and cover for each package/ bundle are shown. The values shown on the table, are only indicative. In fact packing can be optimized based on the quantities or upon specific request of the customer in phase of order. Depending on the necessities even particularly protective packing solutions (wooden crates) can be used, suitable for shipments by container.

IMBALLO (m) / PACKAGE (m)					
	Elemento rettilineo L=3000 mm Straight element L=3000 mm				Coperchio L=2000 mm Cover L=2000 mm
	H=35	H=60	H=100	H=160	H=12
B=100	24	24	12	-	16
B=150	24	24	12	-	16
B=200	18	18	6	6	8
B=300	18	12	6	6	8
B=400	12	6	6	6	4
B=500	-	6	6	6	4
B=600	-	6	6	6	4



FEMI-CZ 4 su misura, a richiesta

Il sistema FEMI-CZ 4 può essere prodotto in versioni fuori standard per diametro del tondino, dimensioni B x H x L, qualità del materiale, disegno e tipo di protezione superficiale. Gli extra costi di esecuzione fuori serie, normalmente, vengono comunicati a richiesta.

Customized FEMI-CZ 4, on request

The FEMI-CZ 4 system can be produced in extra-standard versions for rod diameter, dimensions B x H x L, quality of the material, design and type of surface protection. The additional costs for the extra-standard execution are normally advised on request.

Caratteristiche tecniche e meccaniche

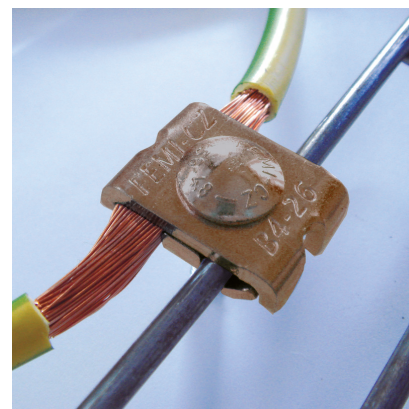
Technical and mechanical characteristics

Continuità elettrica e messa a terra

La continuità elettrica e/o il collegamento equipotenziale delle parti che possono essere toccate, sono garantiti con l'installazione dei morsetti di terra (Art. B4R40B). Tale morsetto è in grado di unire il cavo che funge da conduttore di messa a terra al tondino della passerella a rete. Le sezioni di cavo ammesse sono comprese in un range di $10 \div 25 \text{ mm}^2$. In questo modo è possibile realizzare impianti rispondenti alle prescrizioni dell'art. 7 del D.P.R. N. 547 e della norma CEI 64-8 in fatto di sicurezza. I test sulla continuità elettrica a cavallo della giunzione vengono effettuati secondo le indicazioni della normativa IEC 61537.

Electrical continuity and earthing

The electrical continuity and/or the equipotential connection of the parts which can be touched are guaranteed by the installation of the earthing terminals (Art. B4R40B). This terminal is able to connect the cable that works as an earthing conductor to the rod of the mesh tray. The sections of cable allowed are included in a range of $10 \div 25 \text{ mm}^2$. In this way it is possible to make plants in conformity with the prescriptions of the art. 7 of the D.P.R. no. 547 and of the norm CEI 64-8 as far as security is concerned. Tests concerning the electrical continuity across the connection are made according to the instructions of the norm IEC 61537.



Carico utile di sicurezza (SWL) degli elementi rettilinei *Safe working load (SWL) of the standard straight elements*

Capacità di carico, flessione e freccia

I dati più significativi di prestazione meccanica sono riportati di seguito. Da ricordare che nell'ambito delle massime e migliori prestazioni delle passerelle portacavi a rete, hanno importanza anche la stabilità trasversale e la giunzione di testa fatta a regola d'arte. E' sempre e comunque buona regola, laddove possibile, mantenere la cadenza delle giunzioni a 1/5 della distanza appoggi.

La distanza appoggi normalmente consigliata è di 1,5 m.

Load capacity and deflection

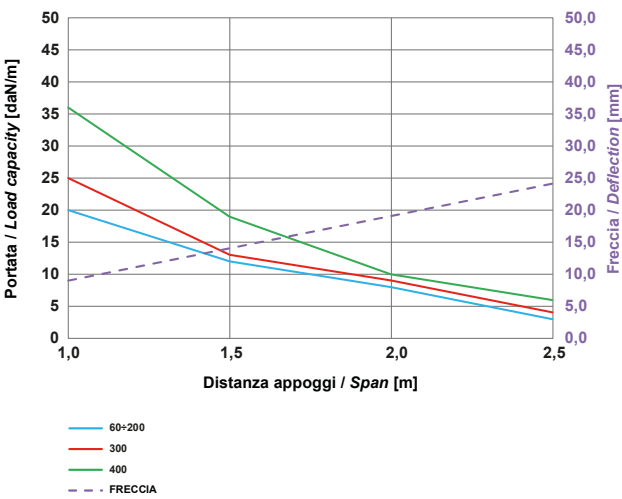
The most significant mechanical performance data are reported below. It should be remembered that in the context of the maximum and best performances of mesh cable trays, transversal stability and properly made head junction are also important. It is always a good rule, where possible, to maintain the cadence of the joints at 1/5 of the distance between the supports.

The normally recommended distance between the supports is 1.5 m.

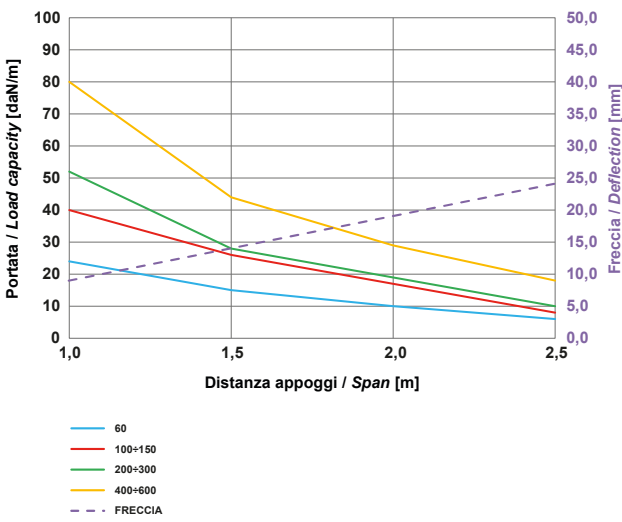
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

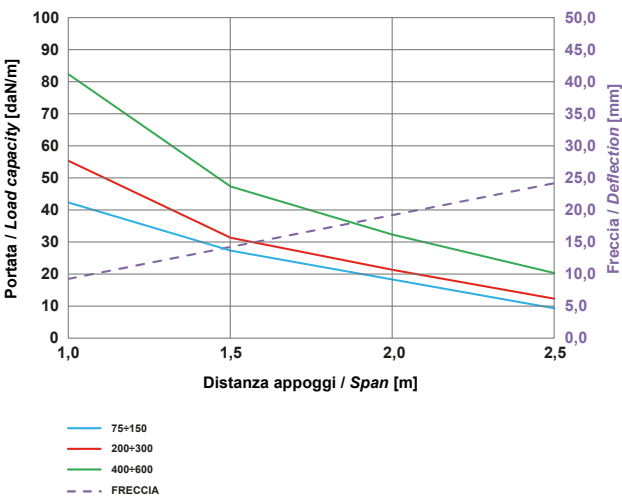
H 35mm MTC-ITALY IEC 61537



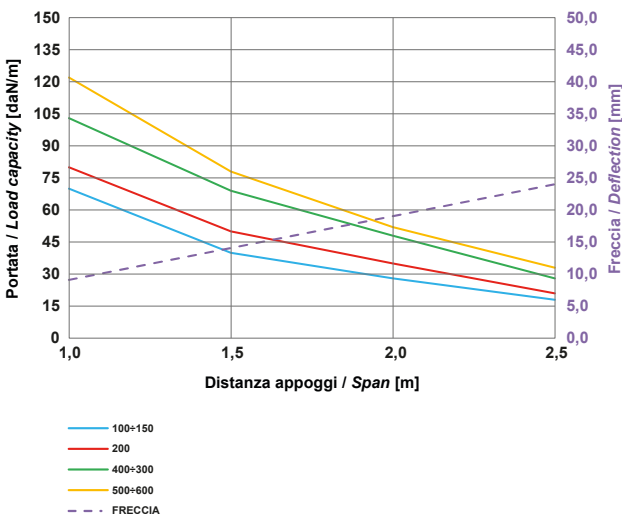
H 60mm MTC-ITALY IEC 61537



H 75mm MTC-ITALY IEC 61537



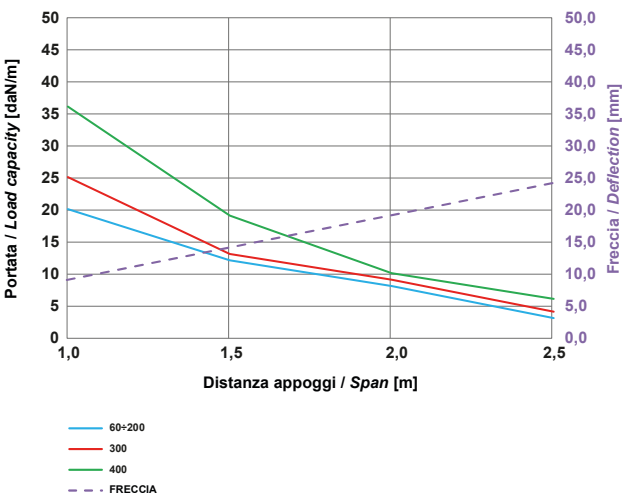
H 110mm MTC-ITALY IEC 61537



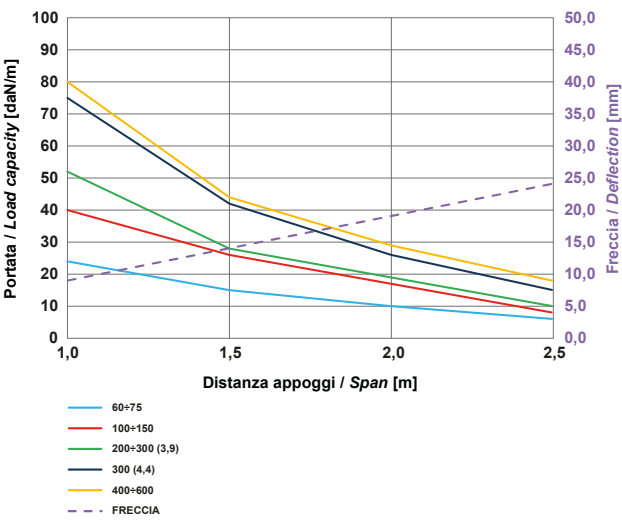
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

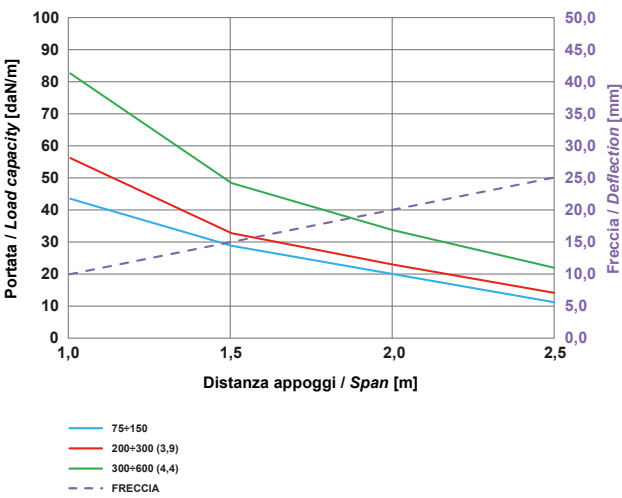
H 35mm CZ4 IEC 61537



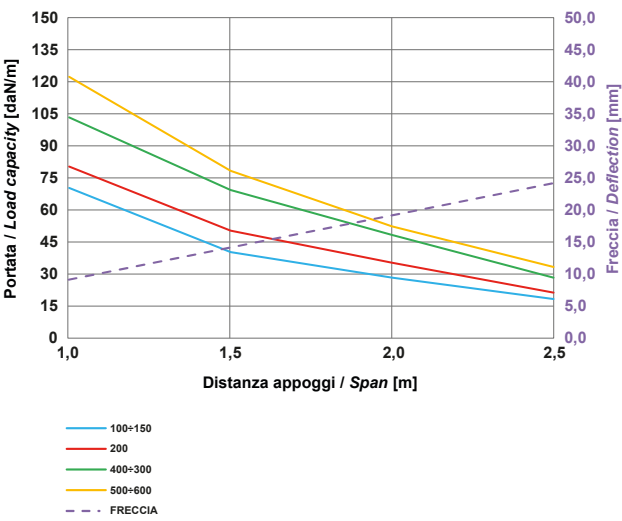
H 60mm CZ4 IEC 61537



H 75mm CZ4 IEC 61537



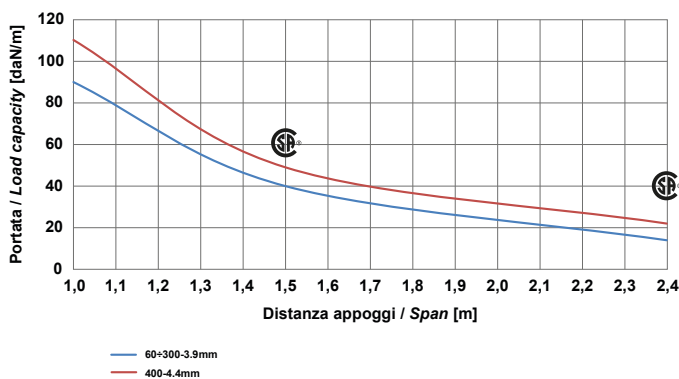
H 110mm CZ4 IEC 61537



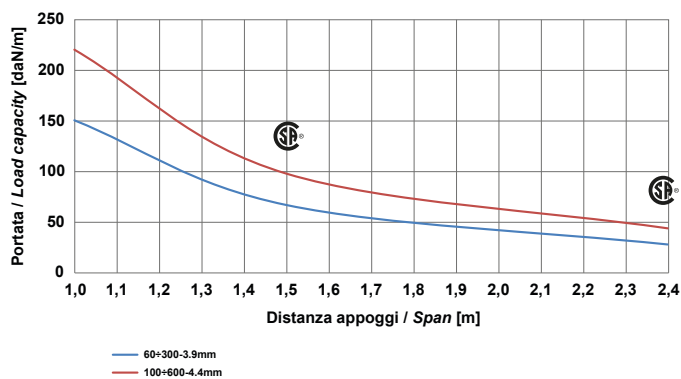
Caratteristiche tecniche e meccaniche

Technical and mechanical characteristics

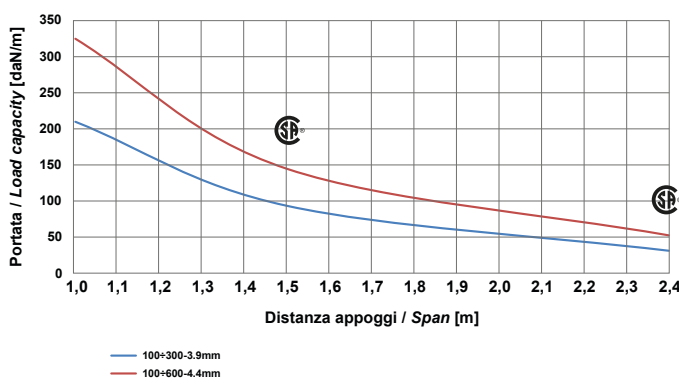
H 35mm CZ4 NEMA VE-1



H 60mm CZ4 NEMA VE-1



H 110mm CZ4 NEMA VE-1



NOTE: il dato certificato è relativo a D=1,5 mt. e 2,4 mt.
gli altri valori sono ottenuti tramite la formula di interpolazione prevista dalla norma NEMA VE-1

NOTE: the certified datum refers to D=1,5 e 2,4 mt.
the other values are obtained through the interpolation formula foreseen by the NEMA VE-1 standard

Passerella a rete MTC-Italy
MTC-Italy wire mesh cable tray



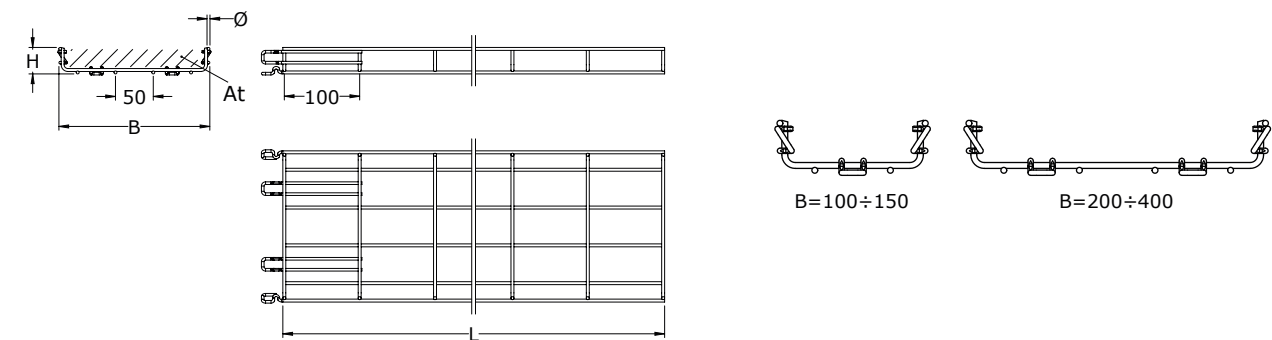
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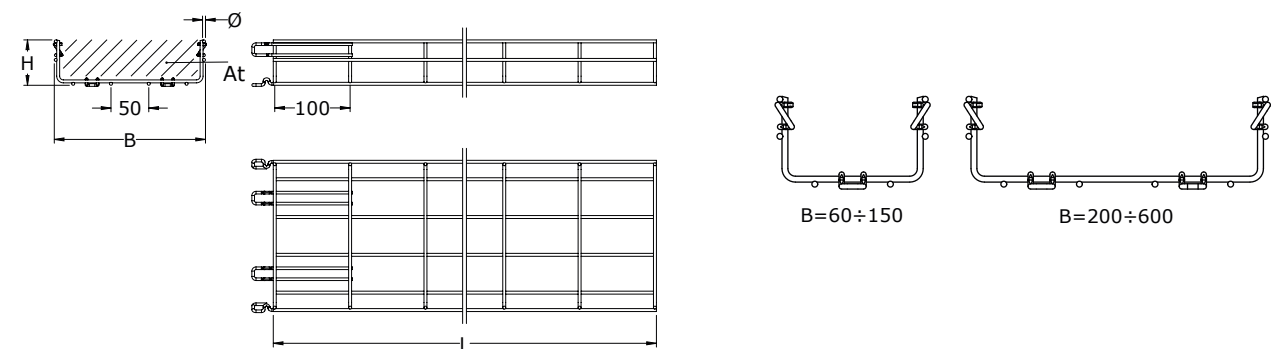
L=3 m

M23





B mm	H mm	At mm ²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⚡ kg/pz
100	35	2300	A4E01A3G100L	A4J01A3G100L	A4N01A3G100L	3,9	0,53
150	35	3660	A4E01A3G150L	A4J01A3G150L	A4N01A3G150L	3,9	0,58
200	35	5020	A4E01A3G200L	A4J01A3G200L	A4N01A3G200L	3,9	0,82
300	35	7420	A4E01A3G300L	A4J01A3G300L	A4N01A3G300L	3,9	1,21
400	35	10020	A4E01A3G400Q	A4J01A3G400Q	A4N01A3G400Q	4,4	1,78



B mm	H mm	At mm ²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⚡ kg/pz
60	60	2320	A4E01A3H060L	A4J01A3H060L	A4N01A3H060L	3,9	0,54
100	60	4410	A4E01A3H100L	A4J01A3H100L	A4N01A3H100L	3,9	0,77
150	60	7020	A4E01A3H150L	A4J01A3H150L	A4N01A3H150L	3,9	0,82
200	60	9630	A4E01A3H200L	A4J01A3H200L	A4N01A3H200L	3,9	1,06
300	60	14510	A4E01A3H300L	A4J01A3H300L	A4N01A3H300L	3,9	1,46
400	60	19580	A4E01A3H400Q	A4J01A3H400Q	A4N01A3H400Q	4,4	2,08
500	60	24700	A4E01A3H500Q	A4J01A3H500Q	A4N01A3H500Q	4,4	2,44
600	60	29820	A4E01A3H600Q	A4J01A3H600Q	A4N01A3H600Q	4,4	2,80

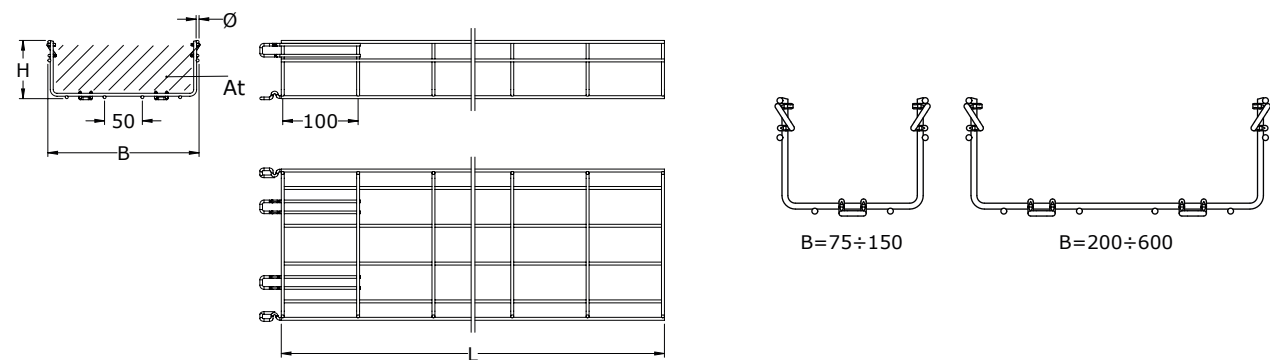
Passerella a rete MTC-Italy
MTC-Italy wire mesh cable tray



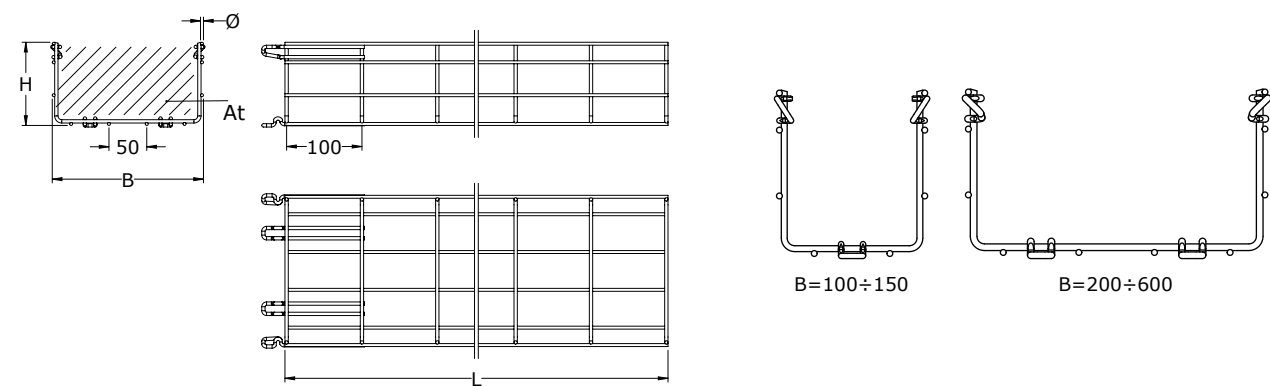
CE

L=3 m

M23



B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⚖ kg/pz
75	75	3990	A4E01A3C075L	A4J01A3C075L	A4N01A3C075L	3,9	0,78
100	75	5670	A4E01A3C100L	A4J01A3C100L	A4N01A3C100L	3,9	0,80
150	75	9030	A4E01A3C150L	A4J01A3C150L	A4N01A3C150L	3,9	0,85
200	75	12400	A4E01A3C200L	A4J01A3C200L	A4N01A3C200L	3,9	1,09
300	75	18760	A4E01A3C300L	A4J01A3C300L	A4N01A3C300L	3,9	1,50
400	75	25320	A4E01A3C400Q	A4J01A3C400Q	A4N01A3C400Q	4,4	2,12
500	75	31940	A4E01A3C500Q	A4J01A3C500Q	A4N01A3C500Q	4,4	2,48
600	75	38550	A4E01A3C600Q	A4J01A3C600Q	A4N01A3C600Q	4,4	2,85



B mm	H mm	At mm²	Elettrolitico EleJtrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⚖ kg/pz
100	110	8630	A4E01A3J100L	A4J01A3J100L	A4N01A3J100L	3,9	1,05
150	110	13500	A4E01A3J150L	A4J01A3J150L	A4N01A3J150L	3,9	1,20
200	110	18560	A4E01A3J200L	A4J01A3J200L	A4N01A3J200L	3,9	1,46
300	110	28580	A4E01A3J300Q	A4J01A3J300Q	A4N01A3J300Q	4,4	2,08
400	110	38700	A4E01A3J400Q	A4J01A3J400Q	A4N01A3J400Q	4,4	2,44
500	110	48820	A4E01A3J500Q	A4J01A3J500Q	A4N01A3J500Q	4,4	2,80
600	110	58940	A4E01A3J600Q	A4J01A3J600Q	A4N01A3J600Q	4,4	3,17

Passerella a rete
Wire mesh cable tray



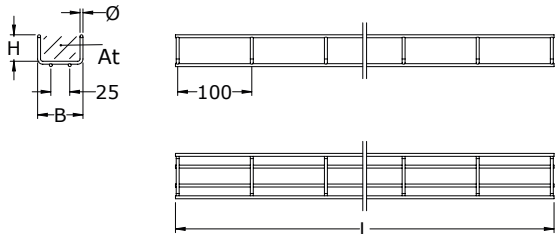
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L=3 m

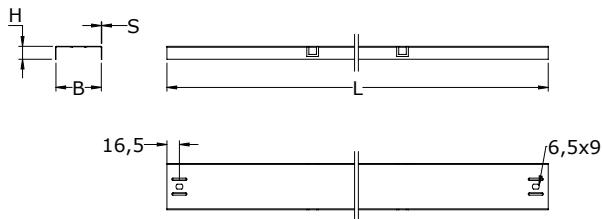
M04





Mini rete “filo in testa FT” / “FT” Wire mesh cable tray

B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	Ø	⌘ kg/pz
60	35	1405	C4E01A3G060L	C4J01A3G060L	C4N01A3G060L	3,9	0,50	C4Z01A3G060L	3,9	0,51
100	35	2485	C4E01A3G100L	C4J01A3G100L	C4N01A3G100L	3,9	0,54	C4Z01A3G100L	3,9	0,55



Coperchio con dispositivo di fissaggio / Cover with fixing device

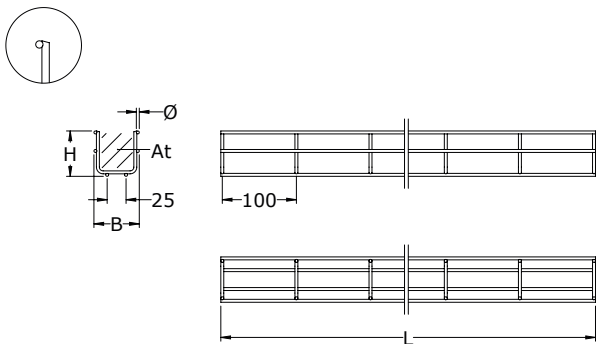
B mm	H mm	At mm²	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	S mm	⌘ kg/pz
60	16,5	-	C4S05N2L060B	C4I05N2L060B	C4Y05N2L060B	0,6	0,43	C4Z05N2L060C	0,7	0,56
100	16,5	-	C4S05N2L100B	C4I05N2L100B	C4Y05N2L100B	0,6	0,62	C4Z05N2L100C	0,7	0,82

Passerella a rete
Wire mesh cable tray



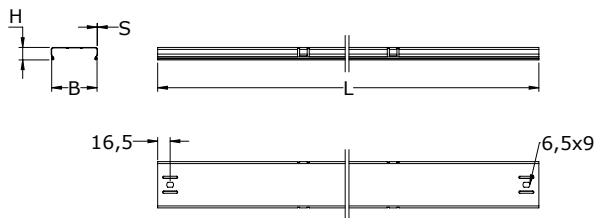
L=3 m

M04 ↗



Mini rete “CZ 4” / “CZ 4” Wire mesh cable tray

B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⚖ kg/pz	Zincato a caldo Hot-dip galvanized	Ø	⚖ kg/pz
60	60	2290	B4E01A3H060L	B4J01A3H060L	B4N01A3H060L	3,9	0,76	B4Z01A3H060L	3,9	0,78
60	55	2465	B4E01A3H060L1	B4J01A3H060L1	B4N01A3H060L1	3,9	0,56	B4Z01A3H060L1	3,9	0,58
100	60	4370	B4E01A3H100L	B4J01A3H100L	B4N01A3H100L	3,9	0,80	B4Z01A3H100L	3,9	0,82
75	75	3955	B4E01A3C075L	B4J01A3C075L	B4N01A3C075L	3,9	0,81	B4Z01A3C075L	3,9	0,83



Coperchio con dispositivo di fissaggio / Cover with fixing device

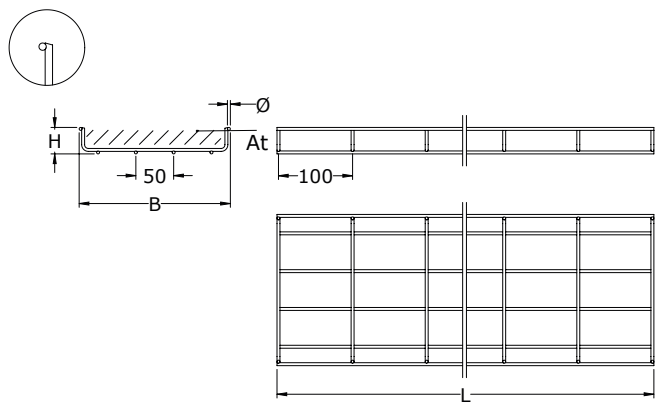
B mm	H mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvanized	S mm	⚖ kg/pz
60	17	-	A3S05G3R060B	A3I05G3R060B	A3Y05G3R060B	0,6	0,47	A4Z05G3R060C	0,7	0,62
75	17	-	A3S05G3R075B	A3I05G3R075B	A3Y05G3R075B	0,6	0,55	A3Z05G3R075C	0,7	0,71
100	17	-	A3S05G3R100B	A3I05G3R100B	A3Y05G3R100B	0,6	0,67	A3Z05G3R100C	0,7	0,87

Passerella a rete
Wire mesh cable tray

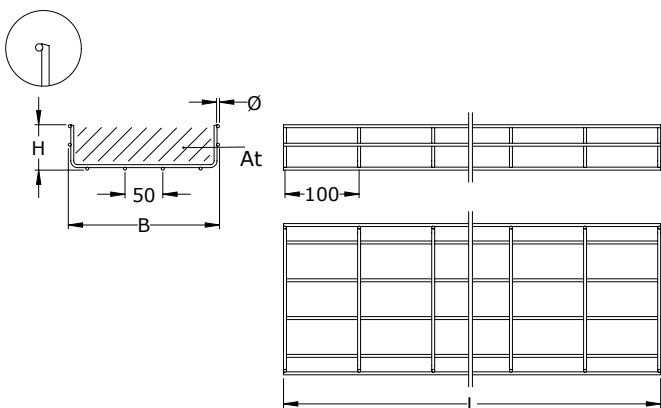
 

L=3 m

M04 ↗



B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	Ø	⌘ kg/pz
100	35	2270	B4E01A3G100L	B4J01A3G100L	B4N01A3G100L	3,9	0,54	B4Z01A3G100L	3,9	0,55
150	35	3620	B4E01A3G150L	B4J01A3G150L	B4N01A3G150L	3,9	0,60	B4Z01A3G150L	3,9	0,61
200	35	4970	B4E01A3G200L	B4J01A3G200L	B4N01A3G200L	3,9	0,85	B4Z01A3G200L	3,9	0,87
300	35	7400	B4E01A3G300Q	B4J01A3G300Q	B4N01A3G300Q	4,4	1,38	B4Z01A3G300Q	4,4	1,41
400	35	10020	B4E01A3G400Q	B4J01A3G400Q	B4N01A3G400Q	4,4	1,74	B4Z01A3G400Q	4,4	1,78



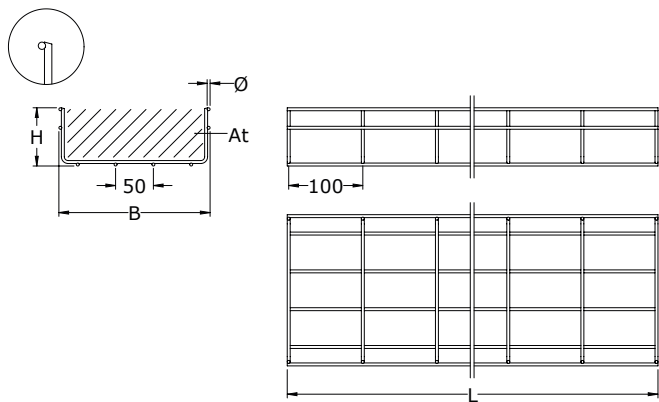
B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	Ø	⌘ kg/pz
100	60	4370	B4E01A3H100L	B4J01A3H100L	B4N01A3H100L	3,9	0,80	B4Z01A3H100L	3,9	0,82
150	60	6970	B4E01A3H150L	B4J01A3H150L	B4N01A3H150L	3,9	0,85	B4Z01A3H150L	3,9	0,87
200	60	9570	B4E01A3H200L	B4J01A3H200L	B4N01A3H200L	3,9	1,10	B4Z01A3H200L	3,9	1,12
300	60	14770	B4E01A3H300L	B4J01A3H300L	B4N01A3H300L	3,9	1,40	B4Z01A3H300L	3,9	1,43
300	60	14460	B4E01A3H300Q	B4J01A3H300Q	B4N01A3H300Q	4,4	1,68	B4Z01A3H300Q	4,4	1,72
400	60	19580	B4E01A3H400Q	B4J01A3H400Q	B4N01A3H400Q	4,4	2,05	B4Z01A3H400Q	4,4	2,10
500	60	24700	B4E01A3H500Q	B4J01A3H500Q	B4N01A3H500Q	4,4	2,41	B4Z01A3H500Q	4,4	2,46
600	60	29820	B4E01A3H600Q	B4J01A3H600Q	B4N01A3H600Q	4,4	2,77	B4Z01A3H600Q	4,4	2,83

Passerella a rete
Wire mesh cable tray


CE

L=3 m

M04 ↗



B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	Ø	⌘ kg/pz
75	75	3955	B4E01A3C075L	B4J01A3C075L	B4N01A3C075L	3,9	0,81	B4Z01A3C075L	3,9	0,83
100	75	5630	B4E01A3C100L	B4J01A3C100L	B4N01A3C100L	3,9	0,83	B4Z01A3C100L	3,9	0,85
150	75	8980	B4E01A3C150L	B4J01A3C150L	B4N01A3C150L	3,9	0,88	B4Z01A3C150L	3,9	0,90
200	75	12330	B4E01A3C200L	B4J01A3C200L	B4N01A3C200L	3,9	1,13	B4Z01A3C200L	3,9	1,15
300	75	19030	B4E01A3C300L	B4J01A3C300L	B4N01A3C300L	3,9	1,44	B4Z01A3C300L	3,9	1,51
300	75	18695	B4E01A3C300Q	B4J01A3C300Q	B4N01A3C300Q	4,4	1,71	B4Z01A3C300Q	4,4	1,75
400	75	25315	B4E01A3C400Q	B4J01A3C400Q	B4N01A3C400Q	4,4	2,08	B4Z01A3C300Q	4,4	2,13
500	75	31935	B4E01A3C500Q	B4J01A3C500Q	B4N01A3C500Q	4,4	2,44	B4Z01A3C300Q	4,4	2,49
600	75	38555	B4E01A3C600Q	B4J01A3C600Q	B4N01A3C600Q	4,4	2,80	B4Z01A3C300Q	4,4	2,86

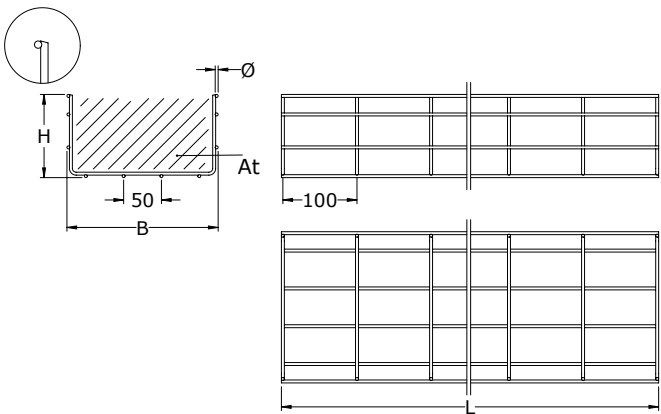
Vedi dettagli sezione mini rete
See mini wire mesh cable tray section details

Passerella a rete "CZ 4"
"CZ 4" Wire mesh cable tray

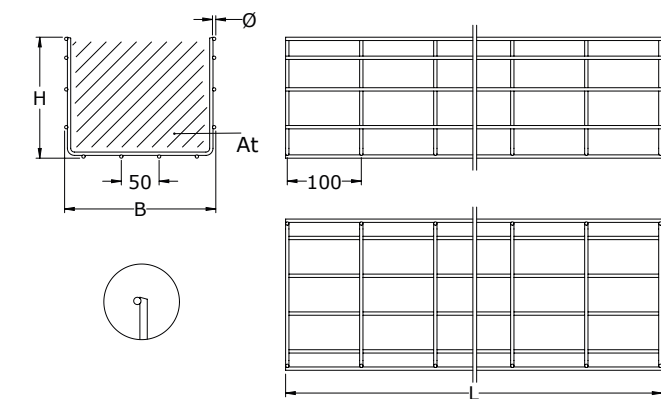


L=3 m

M04



B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	Ø	⌘ kg/pz
100	110	8570	B4E01A3J100L	B4J01A3J100L	B4N01A3J100L	3,9	1,09	B4Z01A3J100L	3,9	1,12
150	110	13400	B4E01A3J150L	B4J01A3J150L	B4N01A3J150L	3,9	1,25	B4Z01A3J150L	3,9	1,31
200	110	18460	B4E01A3J200L	B4J01A3J200L	B4N01A3J200L	3,9	1,40	B4Z01A3J200L	3,9	1,47
300	110	28580	B4E01A3J300Q	B4J01A3J300Q	B4N01A3J300Q	4,4	2,05	B4Z01A3J300Q	4,4	2,10
400	110	38700	B4E01A3J400Q	B4J01A3J400Q	B4N01A3J400Q	4,4	2,41	B4Z01A3J400Q	4,4	2,46
500	110	48820	B4E01A3J500Q	B4J01A3J500Q	B4N01A3J500Q	4,4	2,77	B4Z01A3J500Q	4,4	2,83
600	110	58940	B4E01A3J600Q	B4J01A3J600Q	B4N01A3J600Q	4,4	3,14	B4Z01A3J600Q	4,4	3,21



B mm	H mm	At mm²	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	Ø	⌘ kg/pz
200	160	27580	B4E01A3K200Q	B4E01A3K200Q	B4E01A3K200Q	4,4	2,05	B4E01A3K200Q	4,4	2,10
300	160	42700	B4E01A3K300Q	B4E01A3K300Q	B4E01A3K300Q	4,4	2,41	B4E01A3K300Q	4,4	2,46
400	160	57820	B4E01A3K400Q	B4E01A3K400Q	B4E01A3K400Q	4,4	2,77	B4E01A3K400Q	4,4	2,83
500	160	72940	B4E01A3K500Q	B4E01A3K500Q	B4E01A3K500Q	4,4	3,14	B4E01A3K500Q	4,4	3,21

Coperchio con dispositivo di fissaggio
Cover with fixing device



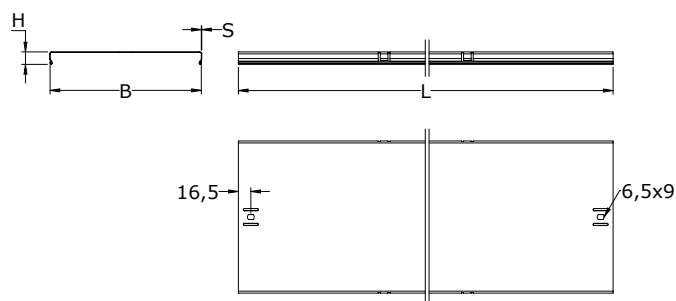
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L=3 m

M01





B mm	H mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	S mm	⌘ kg/pz
60	17	-	A3S05G3R060B	A3I05G3R060B	A3Y05G3R060B	0,6	0,47	A3Z05G3R060C	0,62	0,7
75	17	-	A3S05G3R075B	A3I05G3R075B	A3Y05G3R075B	0,6	0,55	A3Z05G3R075C	0,71	0,7
100	17	-	A3S05G3R100B	A3I05G3R100B	A3Y05G3R100B	0,6	0,67	A3Z05G3R100C	0,87	0,7
150	17	-	A3S05G3R150B	A3I05G3R150B	A3Y05G3R150B	0,6	0,9	A3Z05G3R150C	1,18	0,7
200	17	-	A3S05G3R200B	A3I05G3R200B	A3Y05G3R200B	0,6	1,14	A3Z05G3R200C	1,49	0,7
300	17	-	A3S05G3R300B	A3I05G3R300B	A3Y05G3R300B	0,6	1,61	A3Z05G3R300C	2,11	0,7
400	17	-	A3S05G3R400B	A3I05G3R400B	A3Y05G3R400B	0,6	2,09	A3Z05G3R400D	3,08	0,8
500	17	-	A3S05G3R500B	A3I05G3R500B	A3Y05G3R500B	0,6	2,56	A3Z05G3R500D	3,77	0,8
600	17	-	A3S05G3R600C	A3I05G3R600C	A3Y05G3R600C	0,7	3,54	A3Z05G3R600D	4,47	0,8

Separatore
Separator



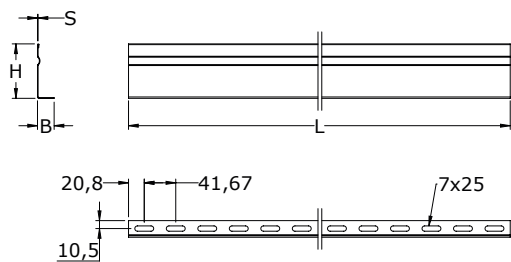
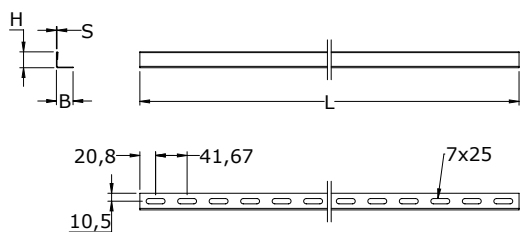
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L=3 m

M02



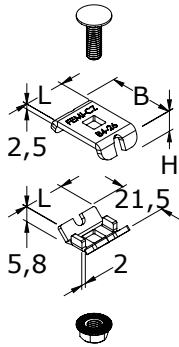


B mm	H mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galvanized	S mm	⌘ kg/pz
22	21	-	B4S50D3A025D	B4I50D3A025D	B4Y50D3A025D	0,8	0,37	B4Z50D3A025D	0,8	0,41
22	48	-	B4S50G3B025D	B4I50G3B025D	B4Y50G3B025D	0,8	0,45	B4Z50G3B025D	0,8	0,50
22	62	-	B4S50G3H025D	B4I50G3H025D	B4Y50G3H025D	0,8	0,54	B4Z50G3H025D	0,8	0,60
22	98	-	B4S50G3D025D	B4I50G3D025D	B4Y50G3D025D	0,8	0,76	B4Z50G3D025D	0,8	0,85

Junction end connection accessories

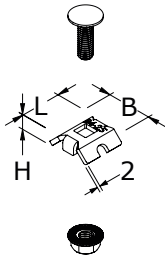


M03/M41 ↗



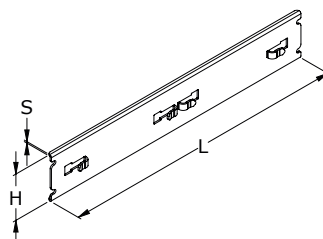
Morsetto di giunzione / *Connection clamp*

B mm	L mm	H mm	Elettrolitico <i>Electrolitic</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⚡ kg/pz	Dacromet <i>Dacromet</i>	⚡ kg/pz	Componenti <i>Components</i>
27	19,5	8,5	B4E30	B4I30	B4Y30	0,03	B4D30	0,03	1x piastrina sup. / <i>Upper plate</i> 1x piastrina inf. / <i>lower plate</i> 1x vite M6 / <i>M6 screw</i> 1x dado M6 / <i>M6 nut</i>

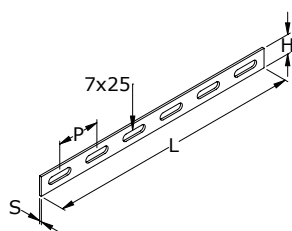


Morsetto di fissaggio / Fixing clamp

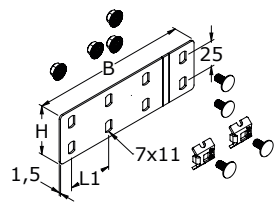
B mm	L mm	H mm	Elettrolitico <i>Electrolitic</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⌘ kg/pz	Dacromet <i>Dacromet</i>	⌘ kg/pz	Componenti <i>Components</i>
21,5	19,5	5,8	B4E31	B4I31	B4Y31	0,03	B4D31	0,03	1x piastrina sup. / <i>Upper plate</i> 1x piastrina inf. / <i>lower plate</i> 1x vite M6 / <i>M6 screw</i> 1x dado M6 / <i>M6 nut</i>



-	H mm	L mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	S mm	⚡ kg/pz	Zincato a caldo <i>Hot-dip galvanized</i>	S mm	⚡ kg/pz
-	20	280	B4S22A	B4I22A	B4Y22A	1,5	0,080	B4Z22A	1,5	0,086
-	45	280	B4S22B	B4I22B	B4Y22B	1,5	0,160	B4Z22B	1,5	0,171



P mm	H mm	L mm	Sendzimir <i>Sendzimir</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	S mm	⌘ kg/pz	Zincato a caldo <i>Hot-dip galvanized</i>	S mm	⌘ kg/pz
42	19	250	BAS20	B4I20	B4Y20	2,0	0,12	B4Z20	2,0	0,12



Giunto CZ4-FEMI3 kit / CZ4-FEMI3 joint kit

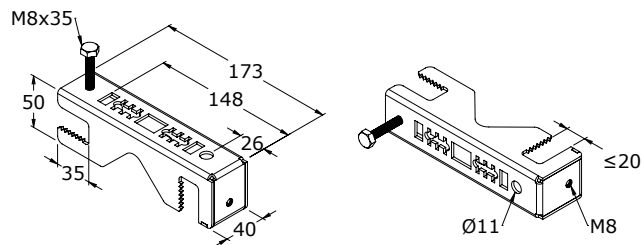
B mm	L1 mm	H mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	⚡ kg/pz	Zinc. a caldo Hot-dip galv.	⚡ kg/pz	Componenti Components
150	42	47	B4S60K	B4I60K	B4Y60K	0,03	B4Z60K	0,03	1x giunto / joint 2x piastrina inf. / lower plate 4x vite M6 / M6 screw 4x dado M6 / M6 nut

NOTA: da utilizzare con passerella a rete H=75
NOTE: to be used with H=75 wire mesh cable tray



Morsetto di messa a terra / Earthing terminal

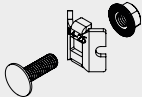
Materiale ramato Copper plated	⚡ kg/pz
B4R40B	0,03

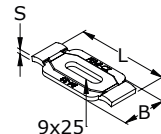
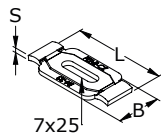


Attacco a trave orizzontale / Horizontal fixing clamp

-	-	-	Senzimir Senzimir	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zinc. a caldo Hot-dip galv.	⚖ kg/pz	Componenti Components
-	-	-	B4S41C173	B4I41C173	0,37	B4Z41C173	0,37	1x piastrina inf. / lower plate 1x vite M6 / M6 screw 1x dado M6 / M6 nut

NOTA: kit con vite M8x35
NOTE: screw M8x35 included

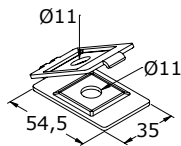




Piastrina 23 di sospensione fissaggio M6-M8 / 23 hanging and fixing plate M6-M8

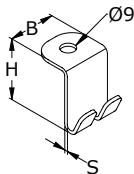
B mm	L mm	-	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⚖ kg/pz	Zinc. a caldo Hot-dip galv.	S mm	⚖ kg/pz
28	60	M6	B4E23	B4I23	B4Y23	2,5	0,03	B4D23	2,5	0,03
28	60	M8	B4E23M8	B4I23M8	B4Y23M8	2,5	0,03	B4D23M8	2,5	0,03

NOTA: da utilizzare su passerella a rete con B≥100
NOTE: to be used on B≥100 wire mesh cable tray



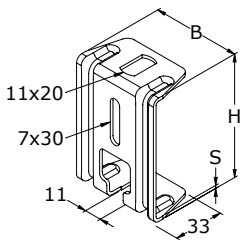
Piastrina 24 clip di sospensione e fissaggio / 24 clip hanging and fixing plate

SendzimirAISI Sendzimir	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz
B4S24	B4I24	0,06



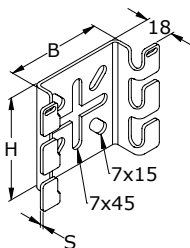
Supporto a soffitto per rete / Ceiling support for wire mesh cable tray

B mm	H mm	-	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galv.	S mm	⌘ kg/pz
30	40	-	-	B4S40S	B4I40S	B4Y40S	2,0	0,03	B4Z40S	2,0	0,03



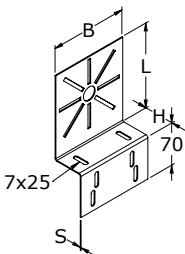
Supporto a soffitto per barra filettata / Ceiling rod bracket

B mm	H mm	-	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galv.	S mm	⌘ kg/pz
57,5	80	-	-	A0S76IAX080M	A0I76IAX080M	2,0	0,10	A0Z76IAX080M	2,0	0,11



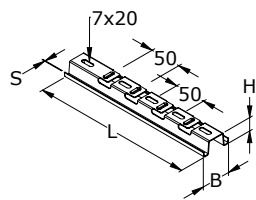
Mini supporto universale / Mini universal bracket

B mm	H mm	-	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⌘ kg/pz	Geomet Geomet	S mm	⌘ kg/pz
61	66	-	-	B4S40H	B4I40H	B4Y40H	2,0	0,06	B4D40H	2,0	0,07



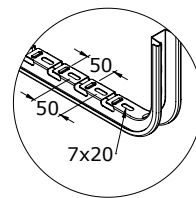
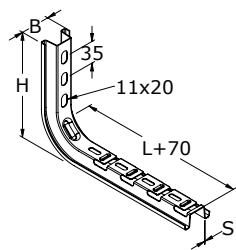
Piastra per scatola di derivazione / Plate for connector block

B mm	H mm	L mm	S mm	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	S mm	⌘ kg/pz	Zincato a caldo Hot-dip galv.	S mm	⌘ kg/pz
125	45	136	1,5	A0S94CXJ125K	A0I94CXJ125K	1,5	0,33	A0Z94CXJ125K	1,5	0,36



Profilo Omega PRA / Omega PRA channel

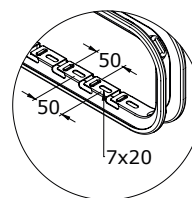
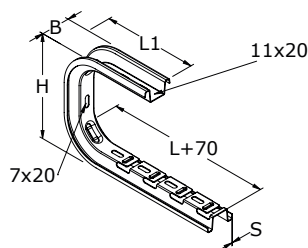
B mm	L mm	H mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galv.	S mm	⚖ kg/pz
47	210	20	-	B4S60H0150	B4I60H0150	B4Y60H0150	1,2	0,10	B4Z60H0150	1,2	0,11
47	260	20	-	B4S60H0200	B4I60H0200	B4Y60H0200	1,2	0,14	B4Z60H0200	1,2	0,15
47	360	20	-	B4S60H0300	B4I60H0300	B4Y60H0300	1,2	0,21	B4Z60H0300	1,2	0,22
47	460	20	-	B4S60H0400	B4I60H0400	B4Y60H0400	1,5	0,36	B4Z60H0400	1,5	0,38
47	560	20	-	B4S60H0500	B4I60H0500	B4Y60H0500	1,5	0,45	B4Z60H0500	1,5	0,47
47	660	20	-	B4S60H0600	B4I60H0600	B4Y60H0600	1,5	0,64	B4Z60H0600	1,5	0,47
47	1060	20	-	B4S60H1000	B4I60H1000	B4Y60H1000	1,5	0,91	B4Z60H1000	1,5	0,95



Mensola Omega PRA / Omega PRA bracket

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
47	170	150	1,2	98	7,5	B4S70U150	B4I70U150	B4Y70U150	0,26	B4Z70U150	0,27
47	170	200	1,2	86	10,0	B4S70U200	B4I70U200	B4Y70U200	0,29	B4Z70U200	0,31
47	170	300	1,2	51	15,0	B4S70U300	B4I70U300	B4Y70U300	0,35	B4Z70U300	0,37
47	170	400	1,5	34	20,0	B4S70U400	B4I70U400	B4Y70U400	0,56	B4Z70U400	0,58
47	170	500	1,5	26	25,0	B4S70U500	B4I70U500	B4Y70U500	0,65	B4Z70U500	0,68
47	170	600	1,5	15	-	B4S70U600	B4I70U600	B4Y70U600	0,79	B4Z70U600	0,79

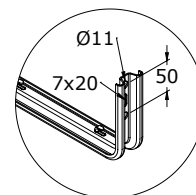
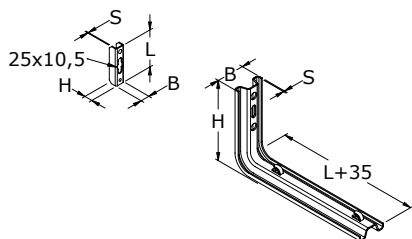
● Per art. B4_70U150 "L+40" - Utilizzabile anche con passerella B=100mm
For the article B4_70U150 "L+40" - Usable also with cable tray B=100mm



Mensola a soffitto Omega / *Omega ceiling bracket*

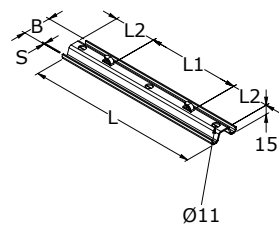
B mm	H mm	L mm	L1 mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
47	170	150	150	1,2	98	7,5	B4S70V150	B4I70V150	B4Y70V150	0,35	B4Z70V150	0,36
47	170	200	153	1,2	86	10,0	B4S70V200	B4I70V200	B4Y70V200	0,36	B4Z70V200	0,38
47	170	300	224	1,2	51	15,0	B4S70V300	B4I70V300	B4Y70V300	0,50	B4Z70V300	0,52
47	170	400	284	1,5	34	20,0	B4S70V400	B4I70V400	B4Y70V400	0,75	B4Z70V400	0,78
47	170	500	284	1,5	26	25,0	B4S70V500	B4I70V500	B4Y70V500	0,93	B4Z70V500	0,97
47	170	600	284	1,5	15	-	B4S70V600	B4I70V600	B4Y70V600	1,04	B4Z70V600	1,04

- Per art. B4_70V150 "L+45" - Utilizzabile anche con passerella B=100mm
For the article B4_70V150 "L+45" - Usable also with cable tray B=100mm



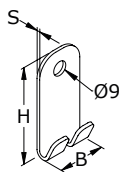
Mensola Omega PBR e distanziatore per profilo / *PBR Omega bracket and channel spacer*

B mm	H mm	L mm	S mm	P daN	f mm	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚡ kg/pz	Zincato a caldo Hot-dip galvan.	⚡ kg/pz
45	130	100	2,0	75	2,9	A0S10Q6R100M	A0I10Q6R100M	A0Y10Q6R100M	0,26	A0Z10Q6R100M	0,27
45	130	150	2,0	60	4,7	A0S10Q6R150M	A0I10Q6R150M	A0Y10Q6R150M	0,32	A0Z10Q6R150M	0,34
45	130	200	2,0	45	7,8	A0S10Q6R200M	A0I10Q6R200M	A0Y10Q6R200M	0,37	A0Z10Q6R200M	0,39
45	130	300	2,0	35	10,2	A0S10Q6R300M	A0I10Q6R300M	A0Y10Q6R300M	0,48	A0Z10Q6R300M	0,50
15	13	60	1,5	-	-	A0S70S1A060K	A0I70S1A060K	A0Y70S1A060K	0,02	A0Z70S1A060K	0,02



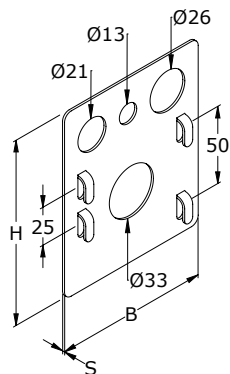
Profilo Omega PBR / Omega PBR channel

B mm	L mm	L1 mm	L2 mm	S mm	-	Sendzimir Sendzimir	Verniciato Painted	Inox AISI 304 AISI 304 S.S.	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	⚖ kg/pz
45	180	50	65	2,0	-	A0S88Q6B100M	A0I88Q6B100M	A0Y88Q6B100M	0,19	A0Z88Q6B100M	0,20
45	230	50	90	2,0	-	A0S88Q6B150M	A0I88Q6B150M	A0Y88Q6B150M	0,25	A0Z88Q6B150M	0,26
45	280	150	65	2,0	-	A0S88Q6B200M	A0I88Q6B200M	A0Y88Q6B200M	0,31	A0Z88Q6B200M	0,32
45	380	250	65	2,0	-	A0S88Q6B300M	A0I88Q6B300M	A0Y88Q6B300M	0,42	A0Z88Q6B300M	0,44
45	480	350	65	2,0	-	A0S88Q6B400M	A0I88Q6B400M	A0Y88Q6B400M	0,53	A0Z88Q6B400M	0,55
45	580	450	65	2,0	-	A0S88Q6B500M	A0I88Q6B500M	A0Y88Q6B500M	0,64	A0Z88Q6B500M	0,67
45	680	550	65	2,0	-	A0S88Q6B600M	A0I88Q6B600M	A0Y88Q6B600M	0,75	A0Z88Q6B600M	0,78



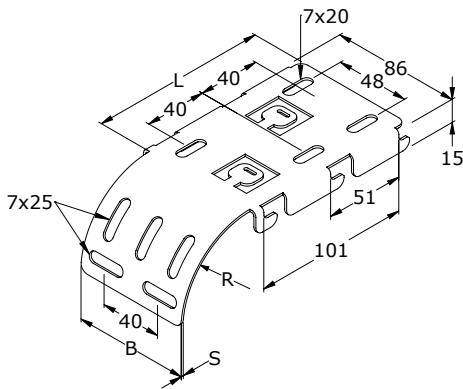
Supporto a muro / Wall support

B mm	H mm	Sendzimir Sendzimir	Verniciato Painted	S mm	⚖ kg/pz	Zincato a caldo Hot-dip galvan.	S mm	⚖ kg/pz
30	63	B4S40L	B4I40L	2,0	0,03	B4Z40L	2,0	0,03



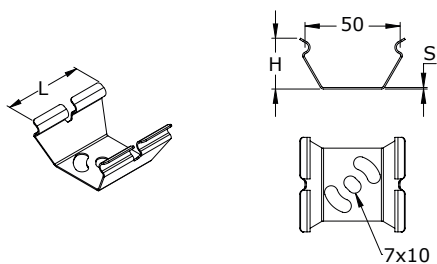
Uscita per tubi / Conduit outlet

B mm	H mm	-	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galv.	S mm	⚡ kg/pz
100	120	-	-	B4S40F	B4I40F	B4Y40F	1,5	0,12	B4Z40F	1,5	0,12



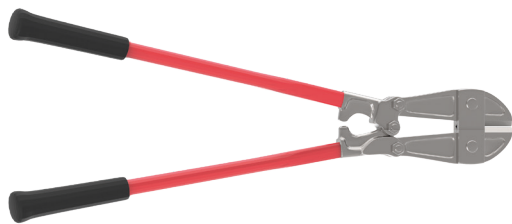
Uscita per tubi / Conduit outlet

B mm	L mm	R mm	-	Sendzimir Sendzimir	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⚡ kg/pz	Zincato a caldo Hot-dip galv.	S mm	⚡ kg/pz
84	115	50	-	B4S40G	B4I40G	B4Y40G	1,2	0,16	B4Z40G	1,2	0,17



Distanziale per posa a pavimento / Spacer for laying floor

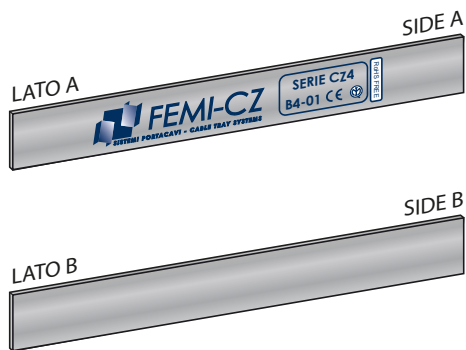
L mm	H mm	-	Inox AISI 301 AISI 301 S.S.	S mm	⚡ kg/pz
50	27	-	B4Q40W	0,8	0,3



Cesoia / Wire cutter

Codice Code	⚡ kg/pz
B4C28	1,60

NOTA: cesoia con lame asimmetriche
NOTE: wire cutter with asymmetryc blades



Placca di identificazione / Notes plate

Codice Code	⚡ kg/pz
B4A40C	0,01

NOTA: senza testo-identificazione a cura dell'utente
NOTE: without text-for markin by the user

Accessori di giunzione
Junction end connection accessories

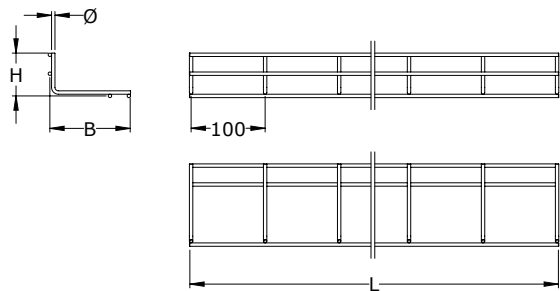




L=3 m

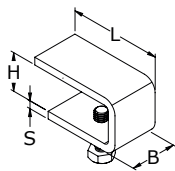
M34





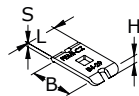
Griglia angolare / Angular wire mesh cable tray

B mm	H mm	-	-	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	Ø mm	⌘ kg/pz	Zincato a caldo Hot-dip galv.	Ø mm	⌘ kg/pz
95	45	-	-	B4E04A3S095Q	B4J04A3S095Q	B4N04A3S095Q	4,4	0,84	B4Z04A3S095Q	4,4	0,88



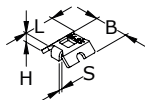
Fissaggio angolare / Angular fastener

B mm	H mm	L mm	-	Zincato a caldo Hot-dip galv.	S mm	⌘ kg/pz
30	25	60	-	B4Z27	5,0	0,18



Piastrina 29 di fissaggio / 29 fixing plate

B mm	H mm	L mm	-	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⌘ kg/pz	Dacromet Dacromet	S mm	⌘ kg/pz
27	5,2	19,5	-	B4E29	B4I29	B4Y29	2,5	0,01	B4D29	2,5	0,01



Piastrina 25 di fissaggio / 25 fixing plate

B mm	H mm	L mm	-	Elettrolitico Electrolitic	Inox AISI 304 AISI 304 S.S.	Inox AISI 316L AISI 316L S.S.	S mm	⌘ kg/pz	Dacromet Dacromet	S mm	⌘ kg/pz
21,5	5,8	19,5	-	B4E25	B4I25	B4Y25	2,0	0,01	B4D25	2,0	0,01

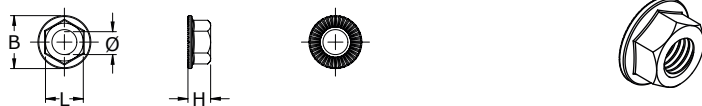


Classe / Class	
D0C	4.6 - 4.8
D0I	70
D0Y	70

Vite testa tonda con quadrato sottotesta / Round head screw with square neck

D	L mm	B mm	H mm	L1 mm	L2 mm	Dacromet <i>Dacromet</i>	Elettrolitico <i>Electrolytic</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⚖ kg/pz
M6	6	14	15	1,8	10,2	DOC10A06X12D	DOC10A06X12E	DOI10A06X12J	DOY10A06X12N	0,52
M6	6	14	23	1,8	18,2	DOC10A06X20D	DOC10A06X20E	DOI10A06X20J	DOY10A06X20N	0,62

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack



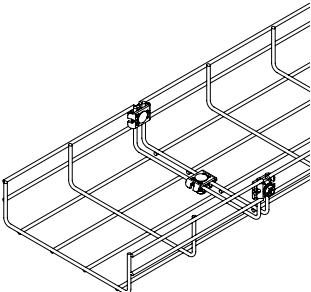
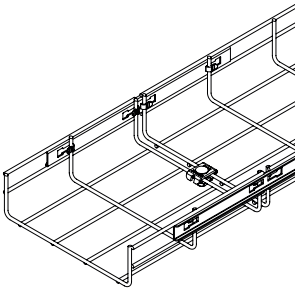
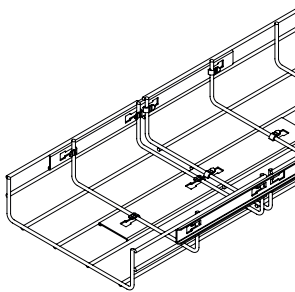
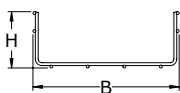
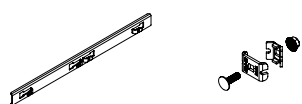
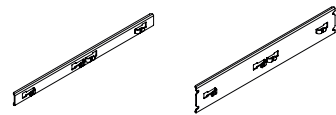
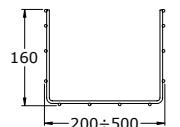
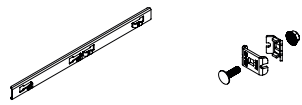
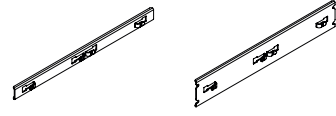
Classe / Class	
D0C	6.5
D0I	70
D0Y	70

Dado esagonale flangiato / Flanged hexagonal nut

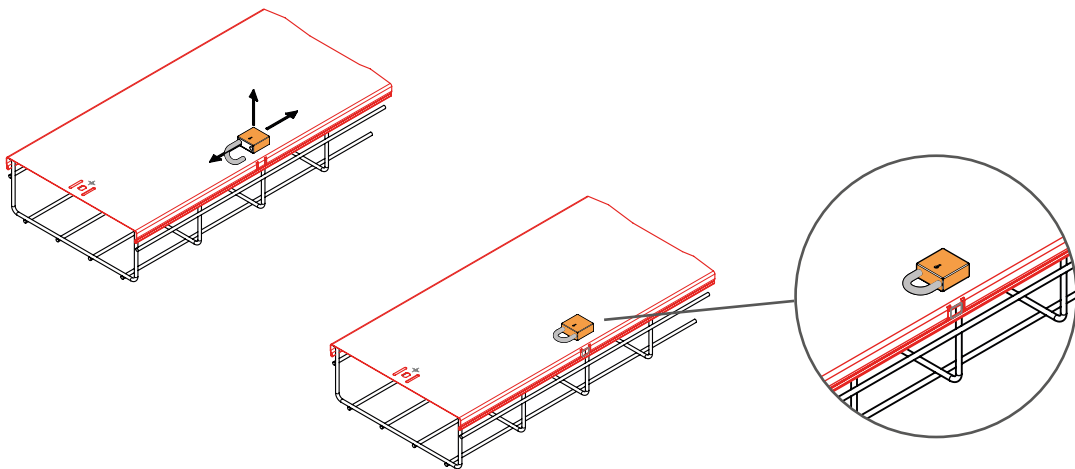
Ø	B mm	H mm	L mm	Dacromet <i>Dacromet</i>	Elettrolitico <i>Electrolytic</i>	Inox AISI 304 <i>AISI 304 S.S.</i>	Inox AISI 316L <i>AISI 316L S.S.</i>	⌘ kg/pz
M6	14	6	10	D0C16S06D	D0C16S06E	D0I16S06J	D0Y16S06N	0,34

NOTA: confezione 100 pezzi
NOTE: 100 pieces pack

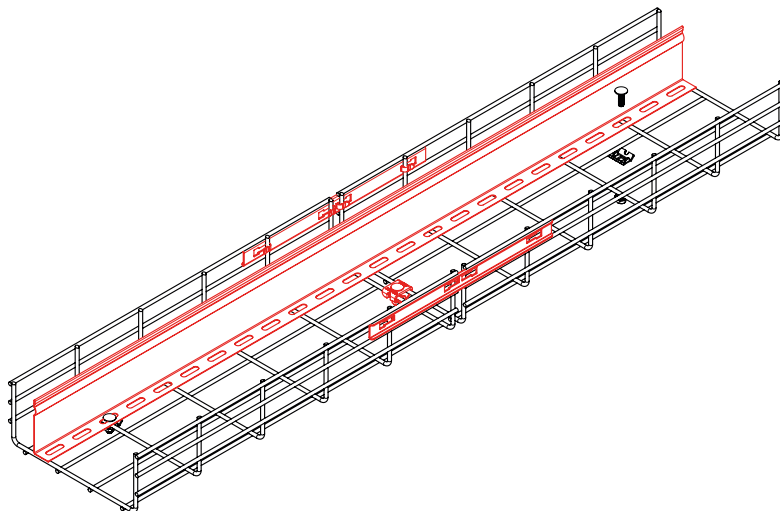
Combinazione degli elementi di giunzione *Combination of the connection elements*

	H=35/60/75/110 MM		H=35/60/75/110 MM		H=35/60/75/110 MM	
						
	30		22A	30	22A	22B
						
B mm	Bordo Flange	Base Base	Bordo Flange	Base Base	Bordo Flange	Base Base
60	2	-	2	-	2	-
75	2	-	2	-	2	-
100	2	-	2	-	2	-
150	2	-	2	-	2	-
200	2	1	2	1	2	1
300	2	1	2	1	2	1
400	2	2	2	2	2	2
500	2	2	2	2	2	2
600	2	2	2	2	2	2
						
-	Bordo Flange	Base Base	Bordo Flange	Base Base	Bordo Flange	Base Base
-	2	2	2	2	2	2

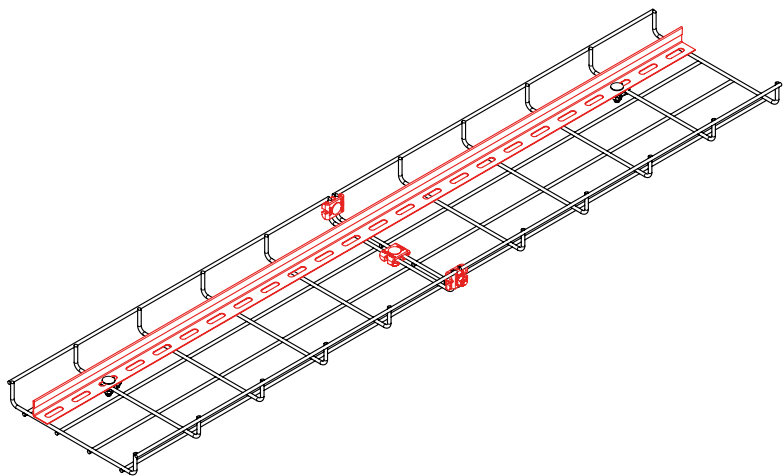
M01



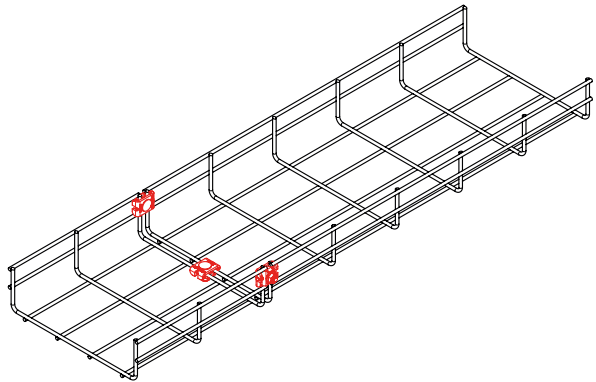
M02



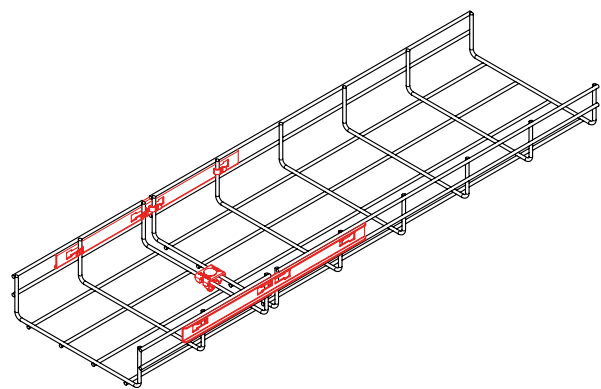
M03



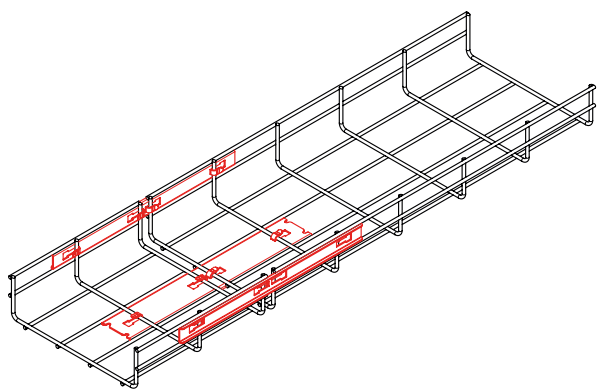
M04



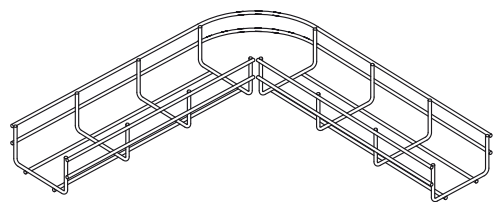
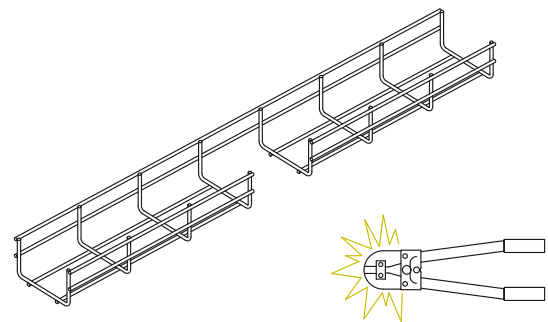
M05



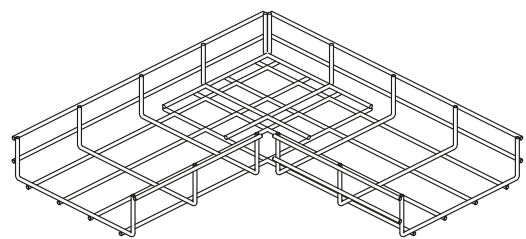
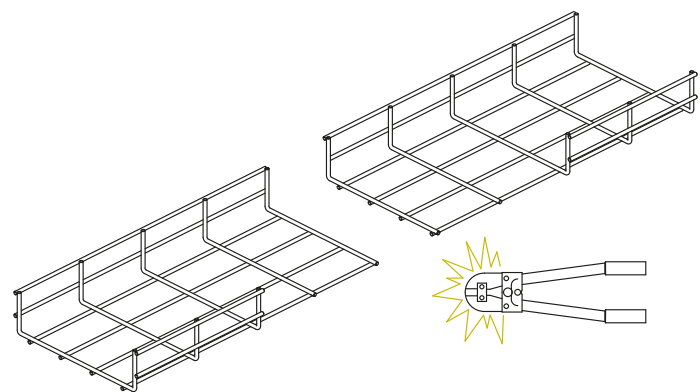
M06

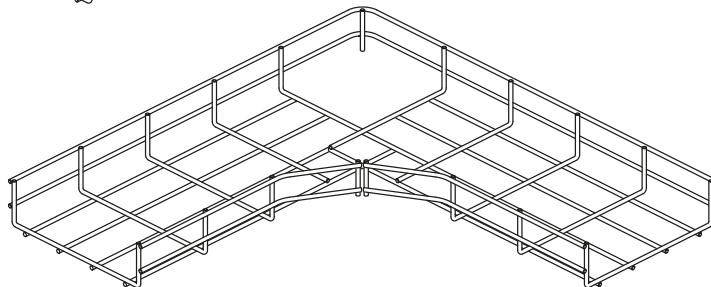
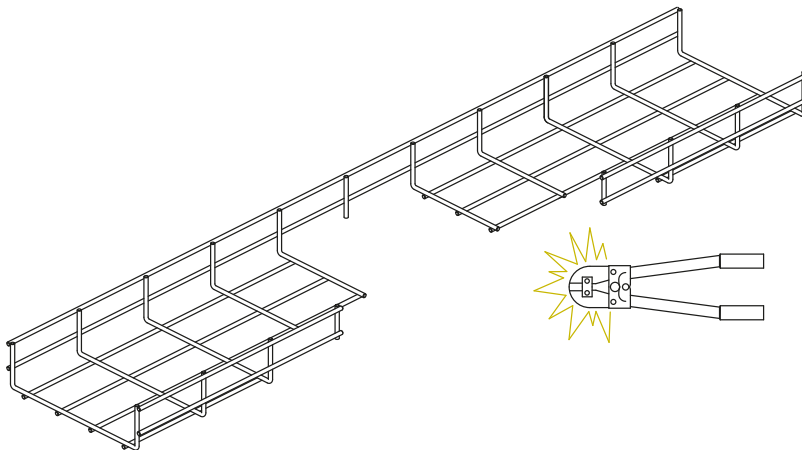
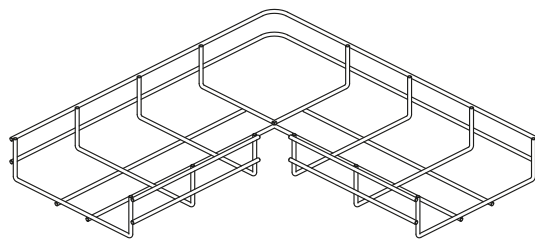
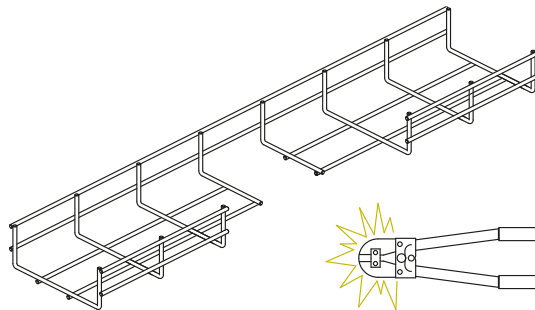


M07

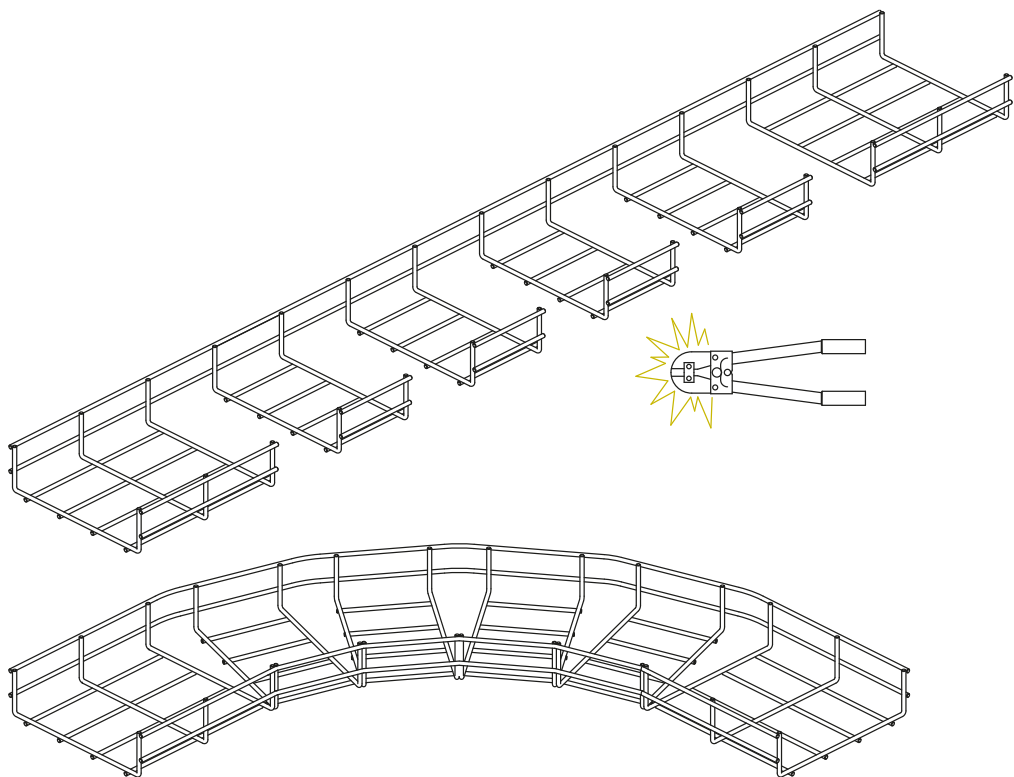


M08

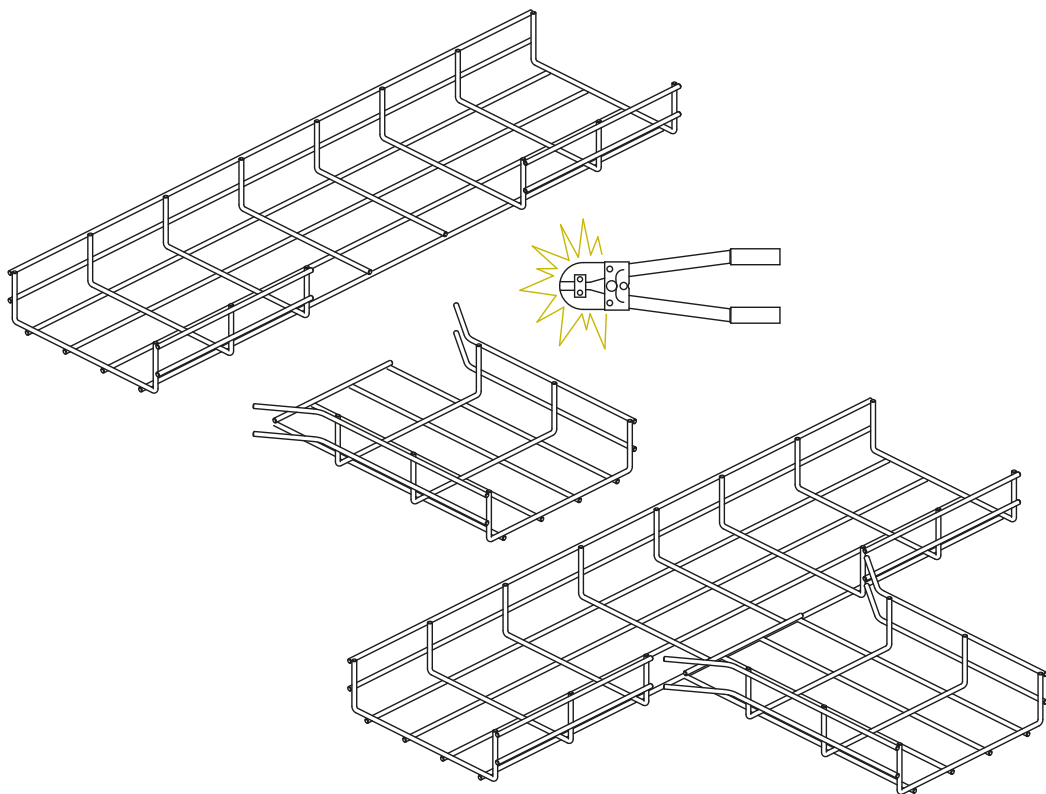




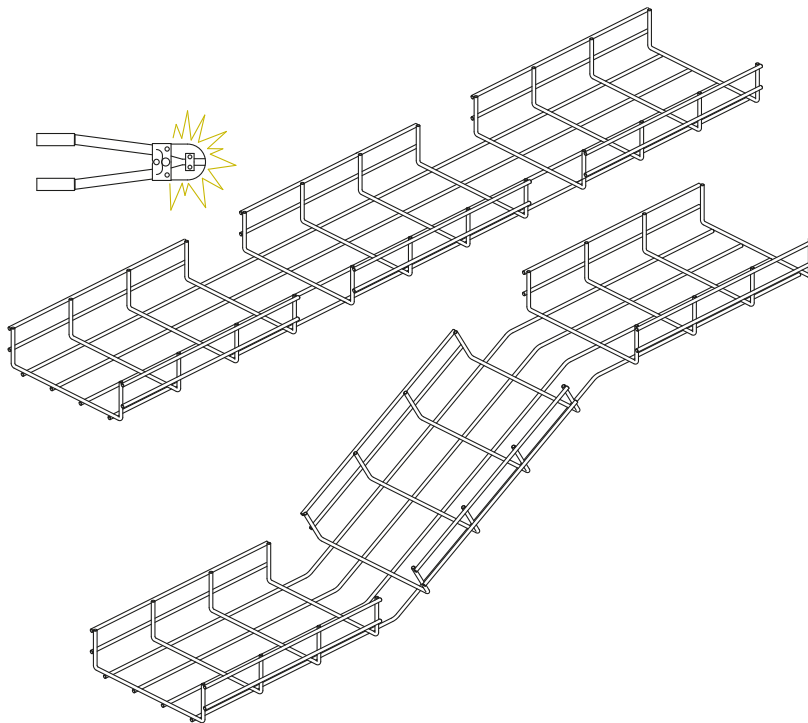
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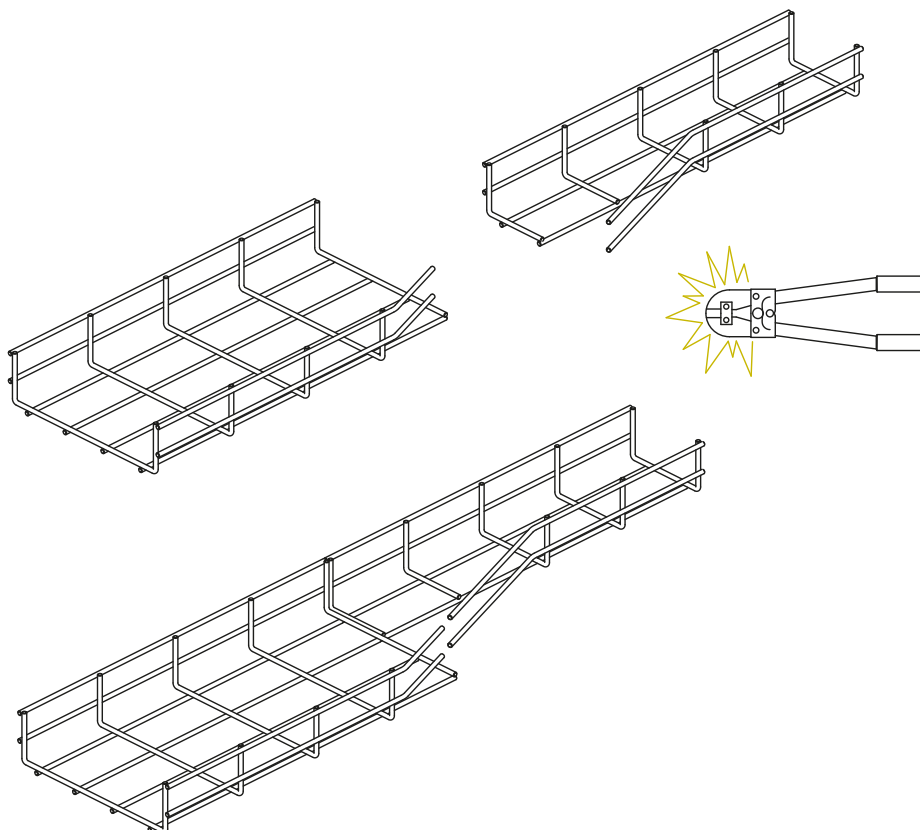
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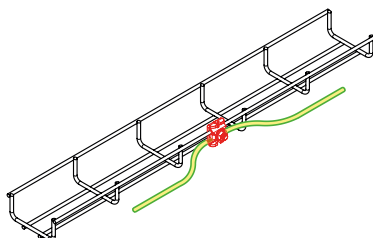
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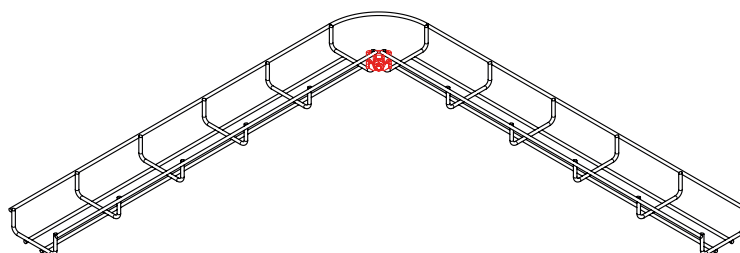
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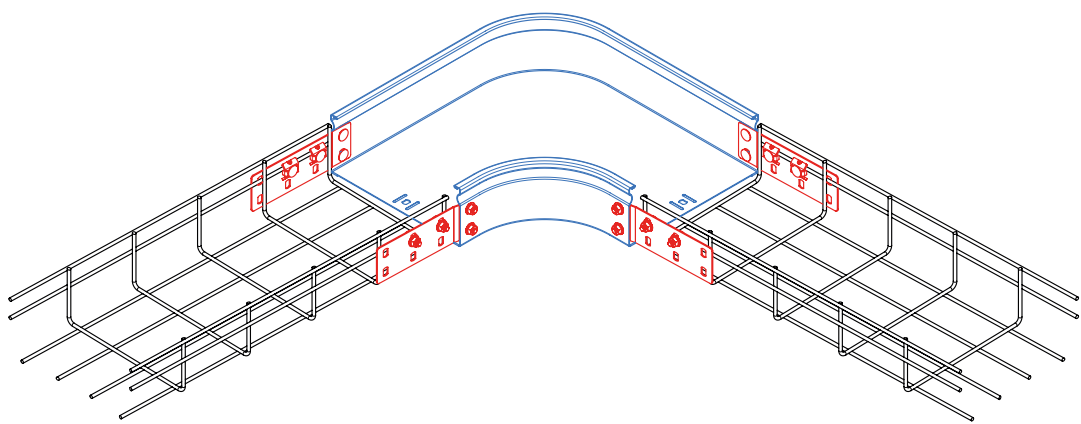
M15



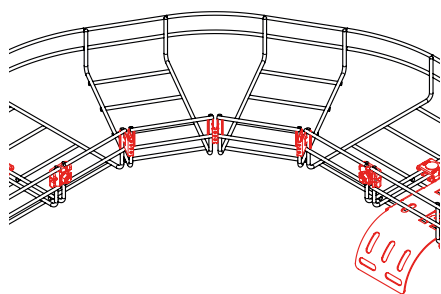
M16

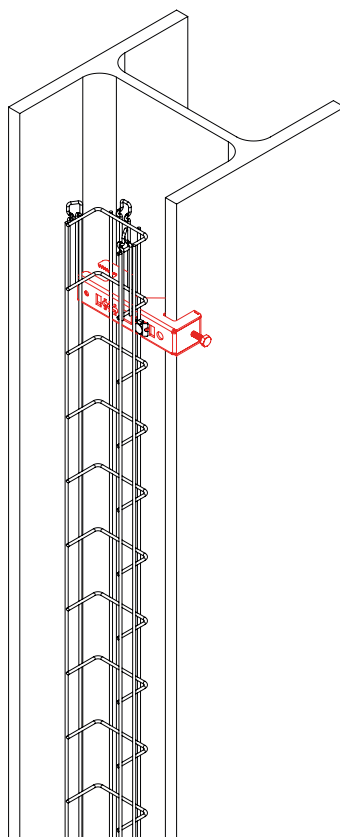
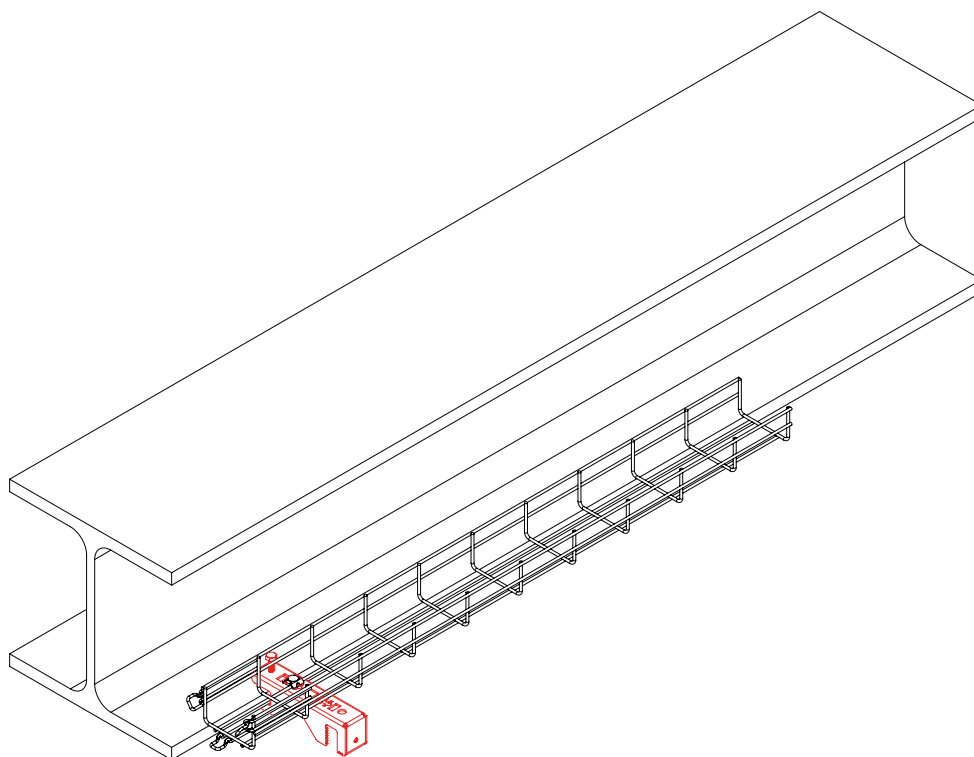


M17

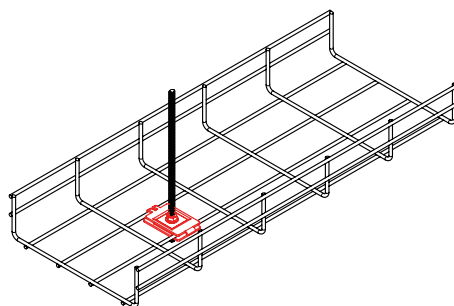
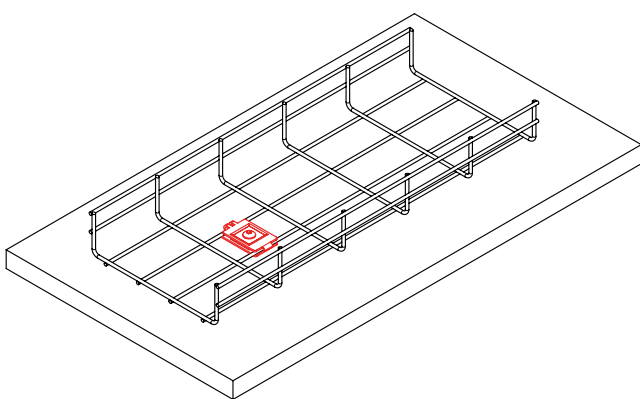


M18

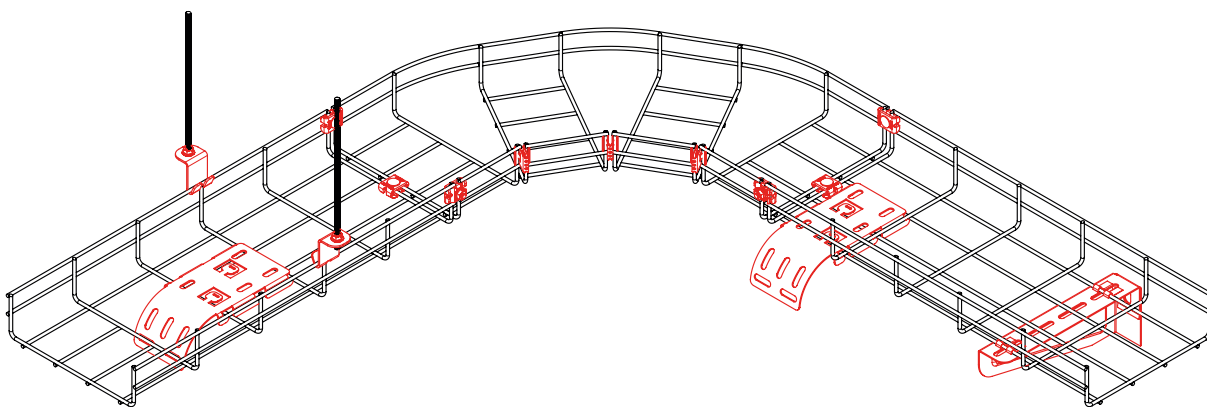




M21

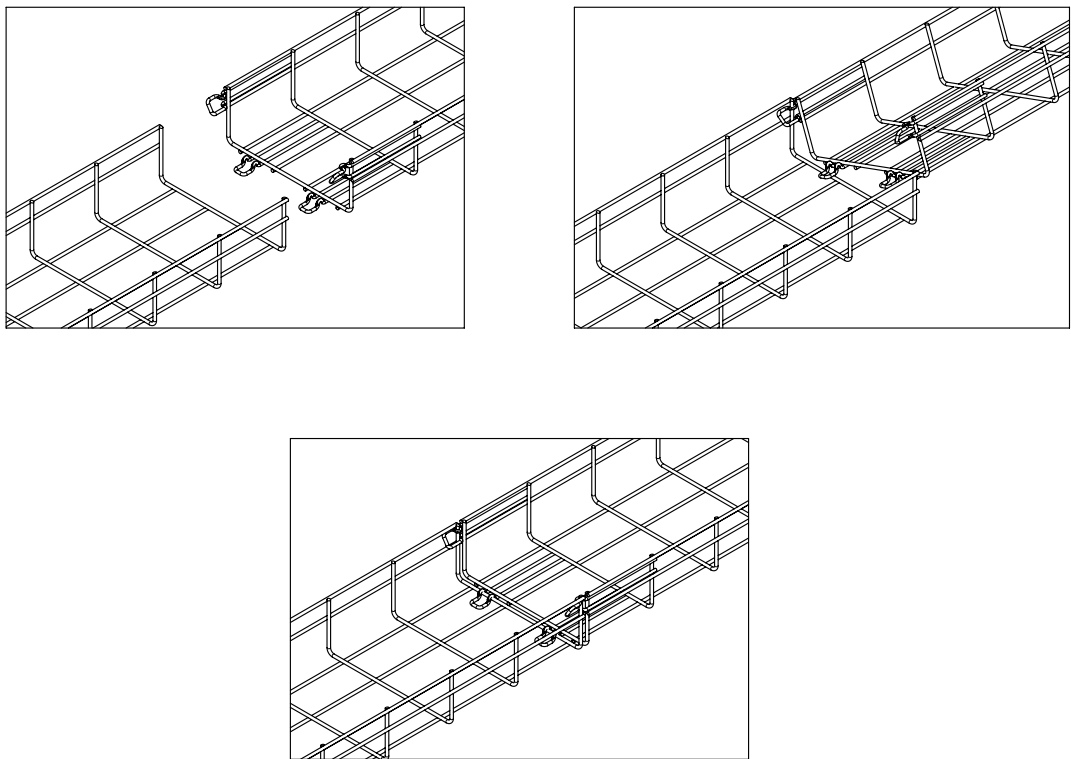


M22

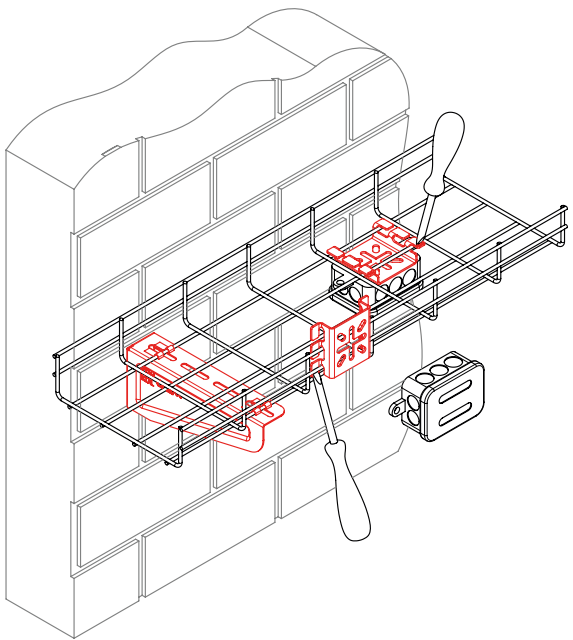


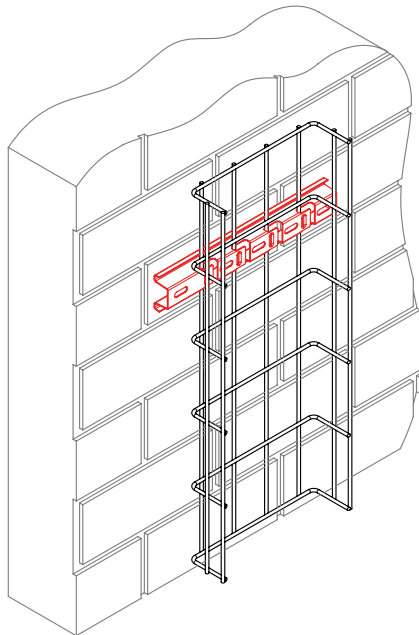
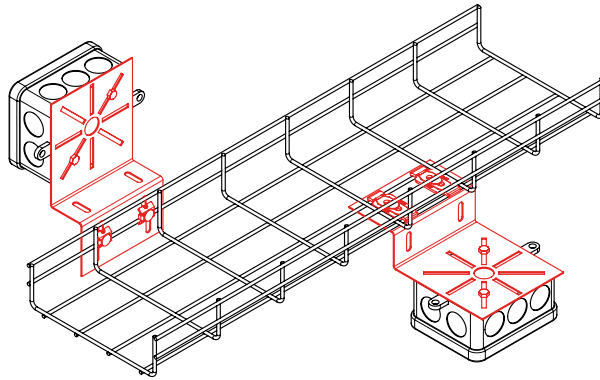
Esempi di montaggio
Installation examples

M23

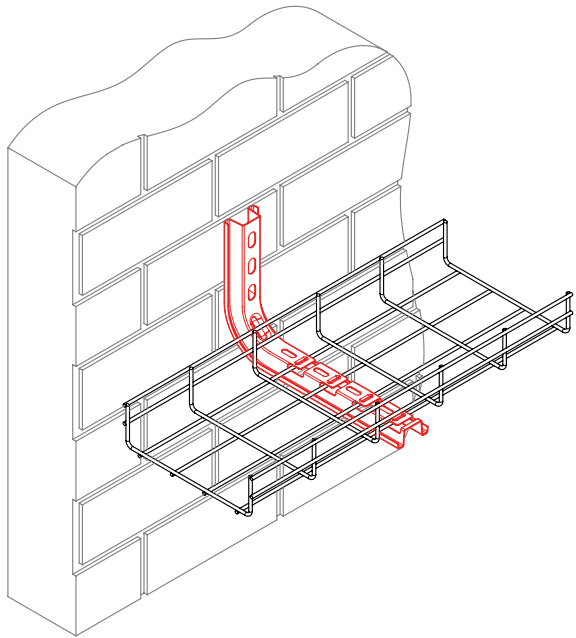


M24

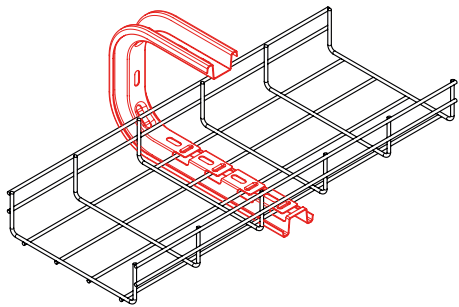


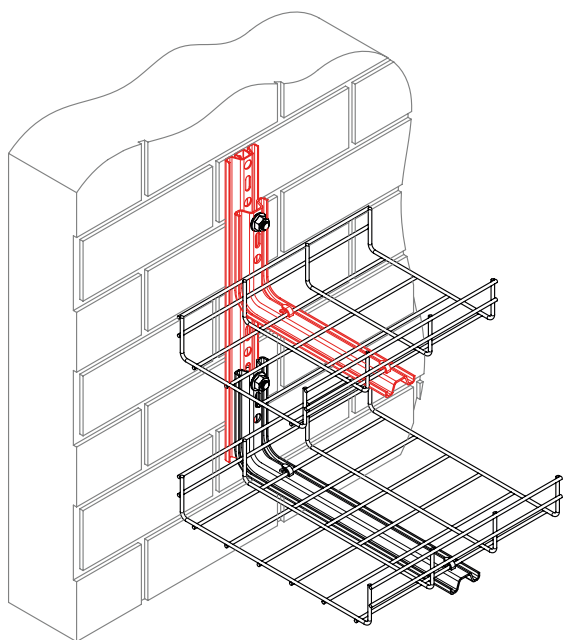
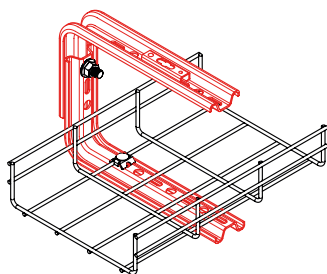


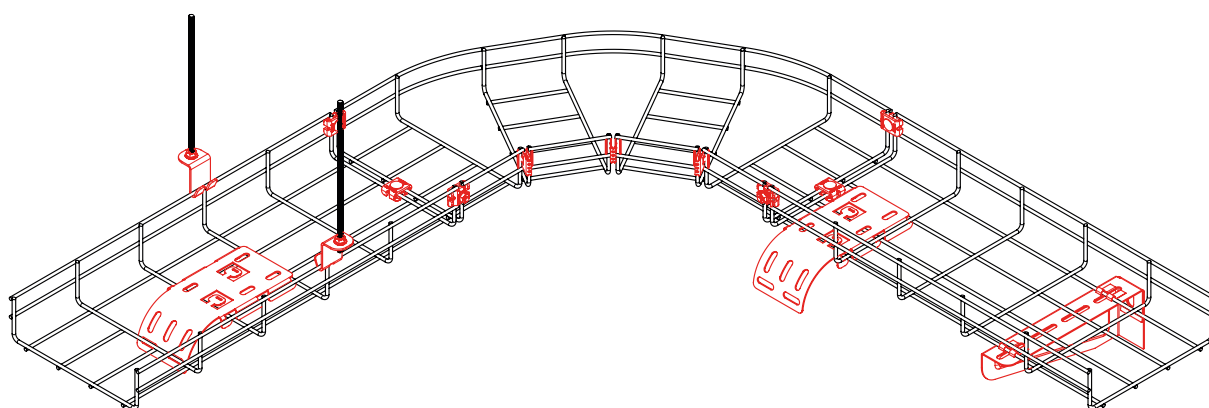
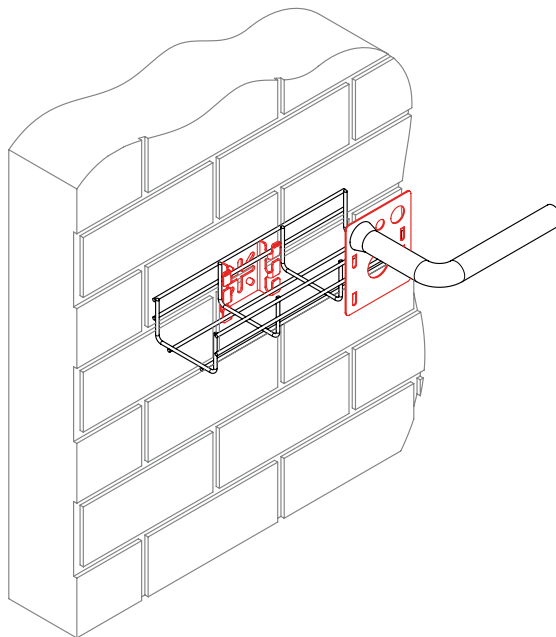
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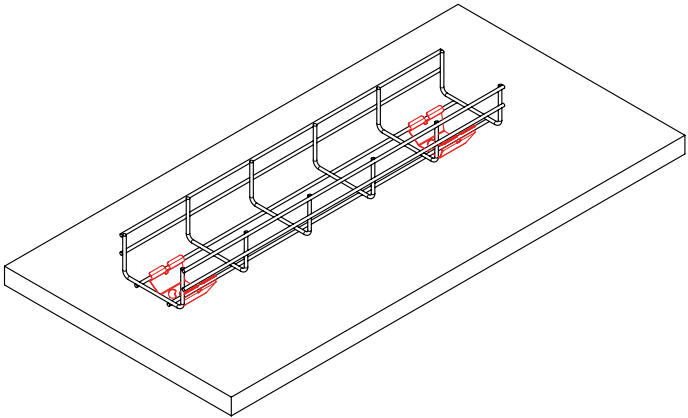
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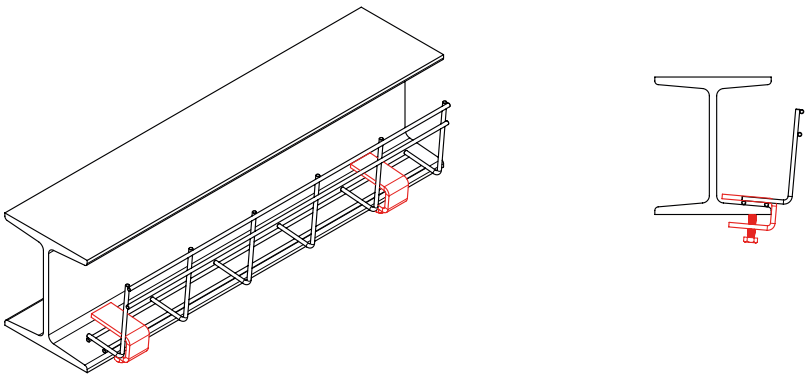


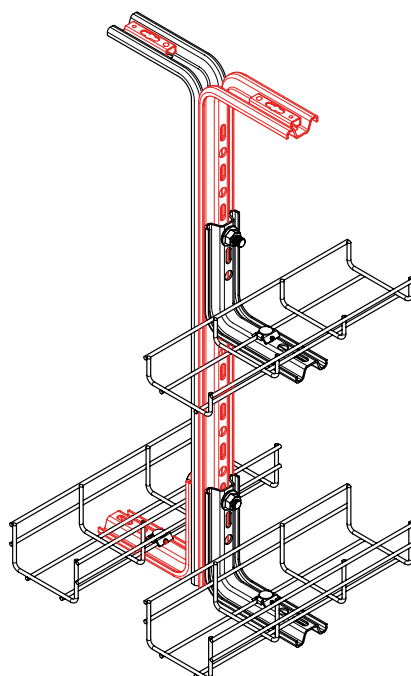
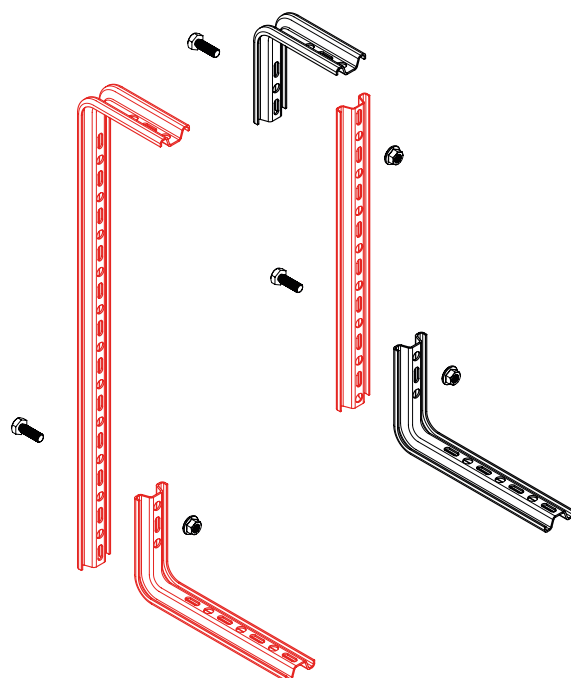


M33

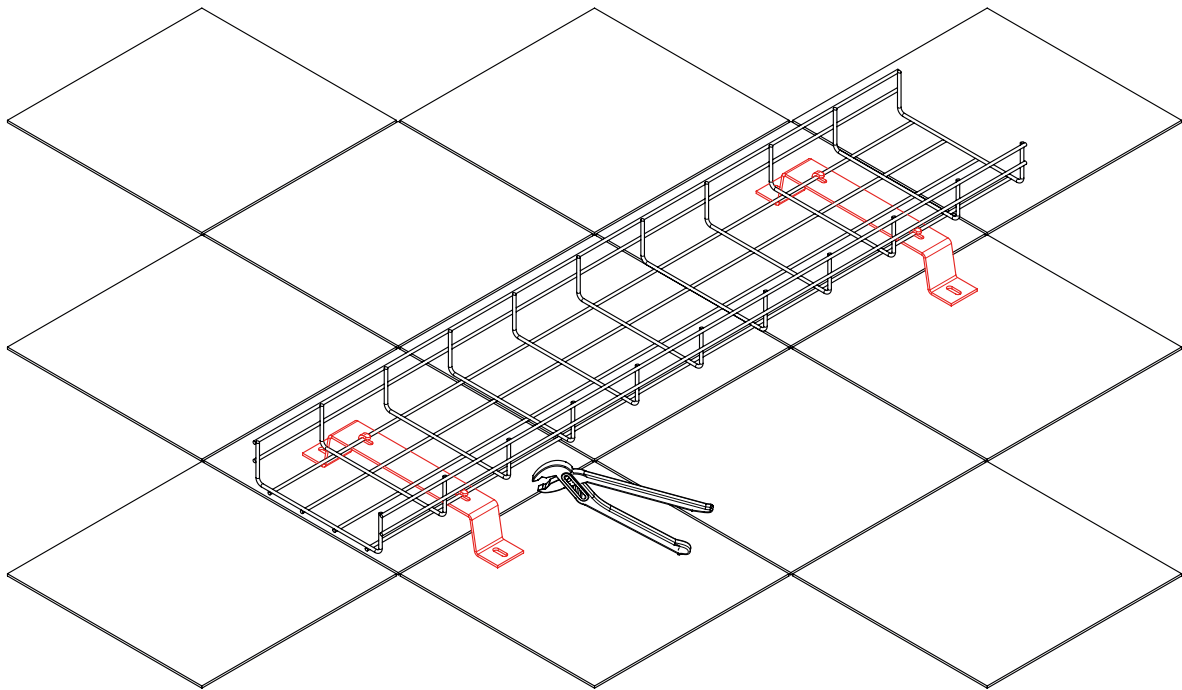


M34

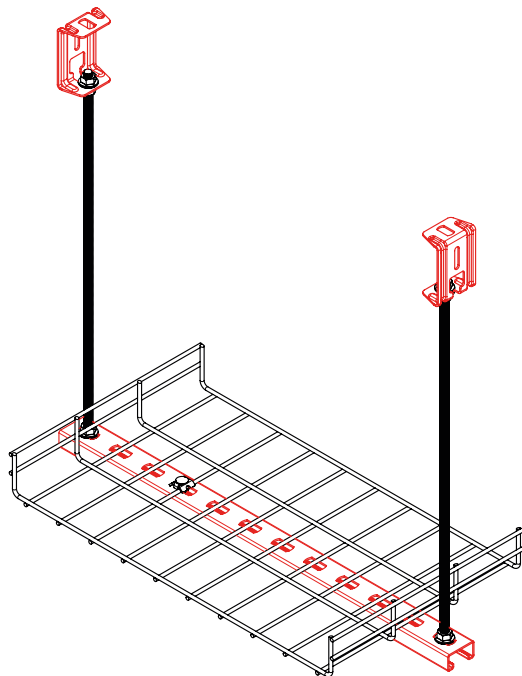




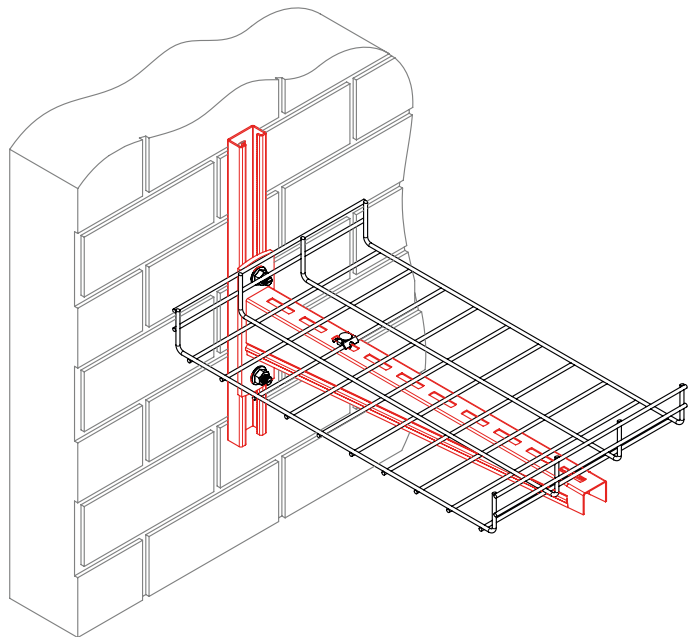
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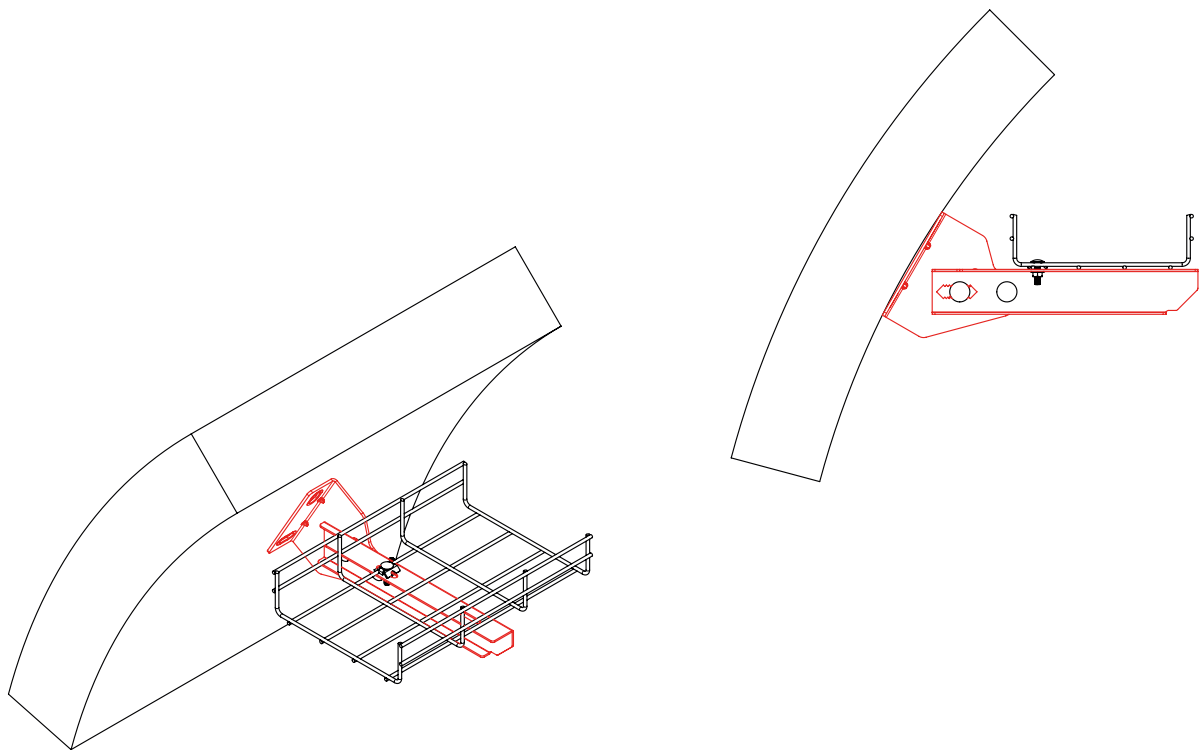
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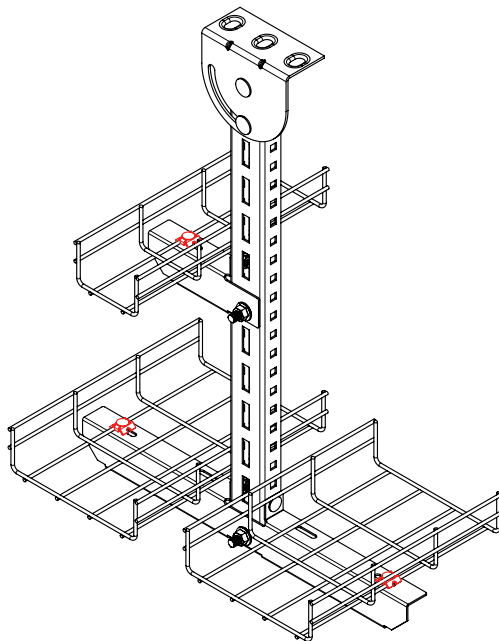
M39



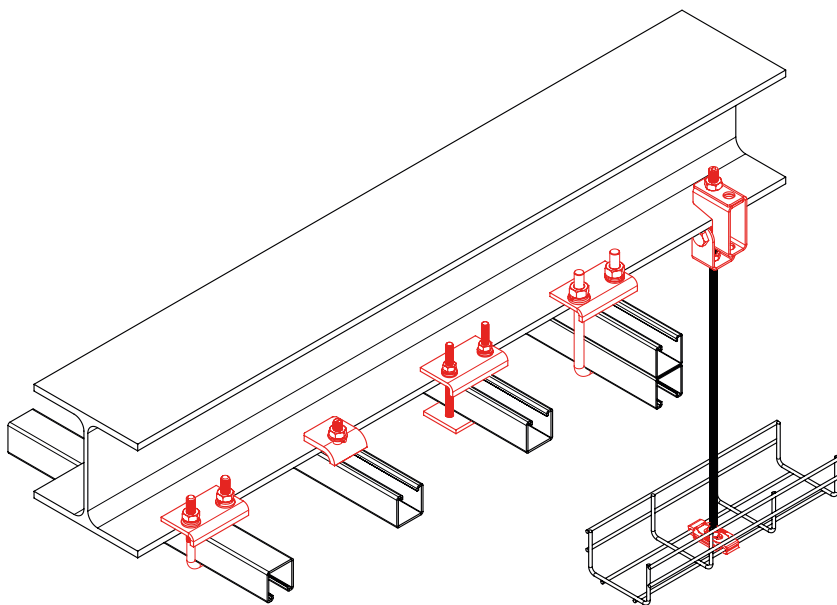
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M41

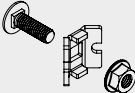
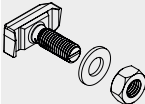
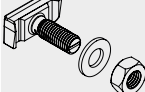


M42



Viteria suggerita
Suggested bolts & nuts

1		D0_10A06X12_
2		D0_10A06X20_
3		D0_10A08X17_
4		D0_10A10X25_
5		D0_11S08X16_
6		D0_11S08X70_
7		D0_11S10X30_
8		D0_11S10X50_
9		D0_13L06X20_
10		D0_13L08X20
11		D0_36S10X21_
12		D0_36S20X37_

13		D0_16S06_
14		D0_16S08_
15		D0_16S10_
16		D0_17S08_
17		D0_17S10_
18		D0_17S20_
19		D0_25S08X40_
20		D0_25S10X40_
21		B4_31
22		D0_12S10X30_K
23		D0_12S10X50_K

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