

Prlt28

Structural
Systems



Sistema di profilati tubolari
Pipy section system



La gamma di profilati modulari a sezione tonda in alluminio "PRLT28" permette di creare soluzioni illimitate in qualsiasi ambito. Un sistema semplice, economico e versatile per realizzare molteplici applicazioni strutturali. Risulta sempre rapido, intuitivo e sicuro al montaggio grazie ai suoi numerosi accessori di giunzione ad accoppiamento geometrico, che mantengono costantemente perpendicolarità e parallelismo ottimali.

I profilati presentano radialmente 3 o 4 naselli, in base al modello, con a sagoma coda di rondine per un perfetto e robusto ancoraggio. Per agevolare il montaggio, il profilato può essere tagliato anche manualmente, con range di tolleranza di ± 1 mm, infatti, gli elementi di giunzione di testa, consentono di alloggiare profilati con lunghezza non perfettamente a misura, garantendo sempre il massimo della tenuta, con un notevole risparmio sulla manodopera.

Gli accessori si assemblano mediante un'unica vite di chiusura dei semi-gusci che li compongono, contribuendo al risparmio dei tempi di montaggio.

Il sistema risulta esteticamente piacevole e funzionale grazie ai profilati estrusi in alluminio anodizzato e agli accessori di montaggio in alluminio pressofuso lucidato. L'anodizzazione anodica superficiale oltre a conferire un bell'aspetto lucente, è anche anti graffio e contribuisce a donare durabilità eccellente nel tempo.

Altra caratteristica da non trascurare del sistema è la sua eco-sostenibilità, grazie all'utilizzo quasi totalitario dell'alluminio, materiale riciclabile con solo il 5% dell'energia iniziale.

Il sistema può essere realizzato con componenti conduttivi "ESD" per la dissipazione dell'elettricità elettrostatica.



"PRLT28" modular profiles with a round section allow to create unlimited solutions. The system is simple, cheap and flexible, so to realize many structural applications.

The assembly is easy, fast and intuitive thanks to its large range of junction and coupling elements, which always assure perpendicularity and parallelism.

Profiles have 3 or 4 catches and its tail coat shape allows a strong anchorage.

Profiles can be cut by hand (tolerance ± 1 mm) and the tightness is however assured thanks to butted joint elements.

Accessories, which are assembled only with one screw, help to reduce assembling time.

The system is realized with aluminium anodized profiles and with bright die-cast aluminium assembling elements.

This treatment is also scratch-proof.

The eco-defence is another important characteristic of this system which is realized quite totally by aluminium (recyclable material with 5% only of starting energy).

The system can also be realized with "ESD" conductive elements for electrostatic electricity dissipation.



MCH propone 2 modelli di profilato:
MCH offers 2 kind of profiles:

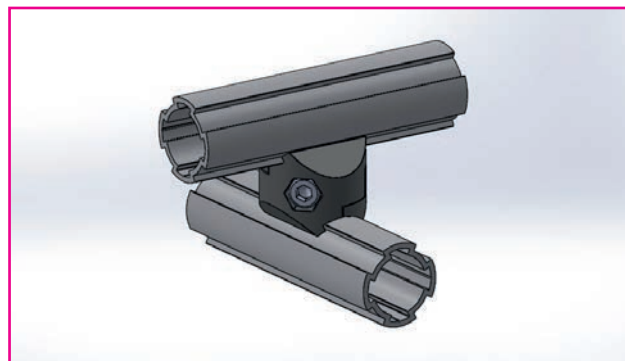
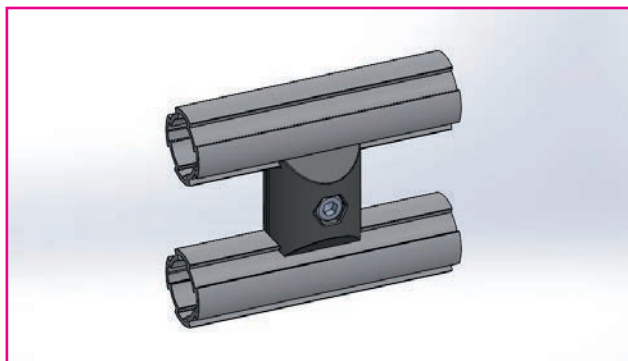
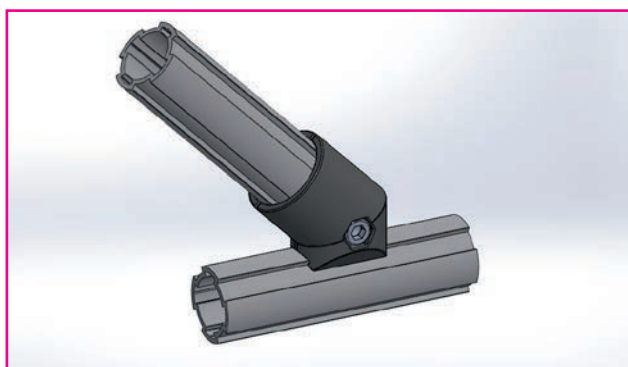
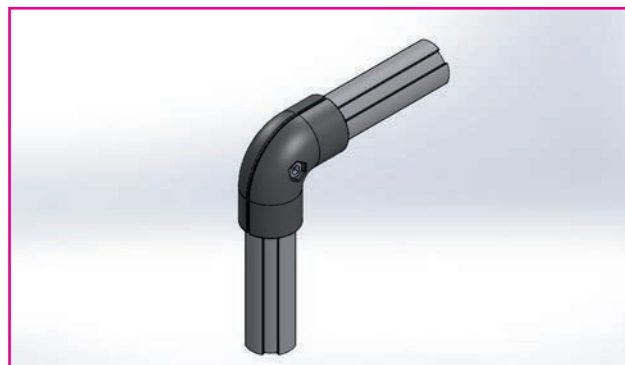
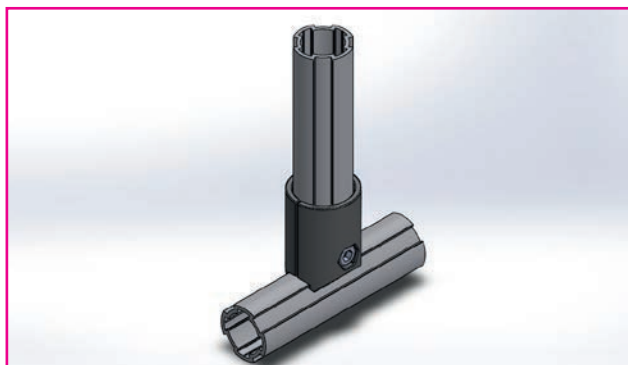


PRLT28C - Profilato leggero tubolare a sezione tonda chiuso
PRLT28C - Light pipy section with a closed round shape

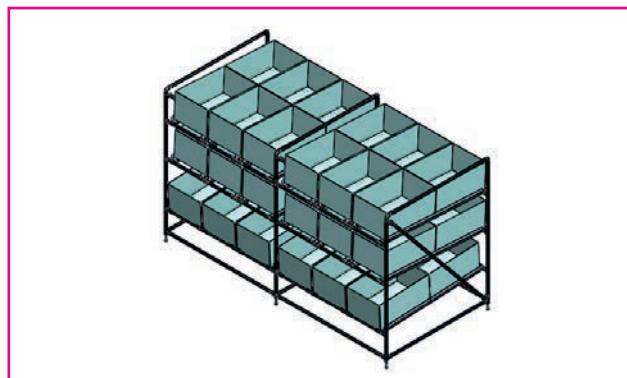
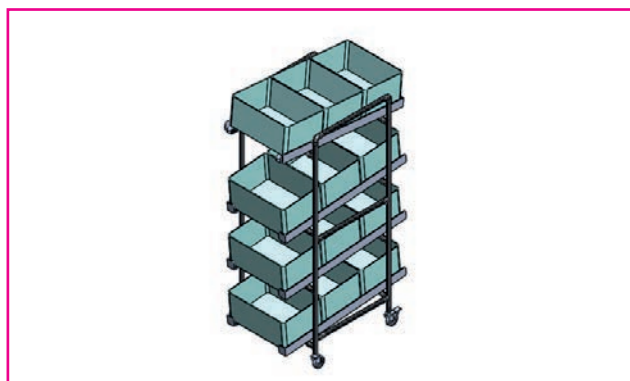
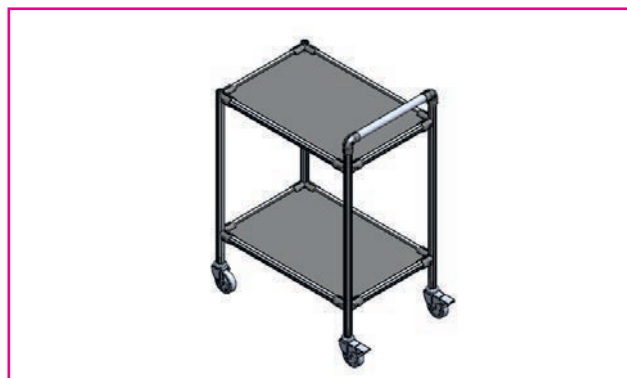
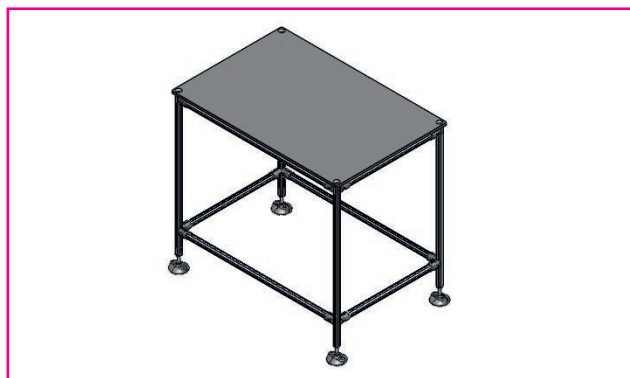


PRLT28A - Profilato leggero tubolare a sezione tonda aperta, con cava C10
PRLT28A - Light pipy section with an open round shape, slot C10

... e molteplici accessori di montaggio e di corrodo...
... and a lot of assembling elements...



Alcuni esempi di sistemi realizzabili:
Realization examples:



Dati tecnici / Technical data

Di seguito vengono riportati i dati di carico supportati dai profilati, con carico concentrato centrale e con carico distribuito su tutto il tratto, sempre fissati saldamente con elementi di giunzione su entrambe le testate:
Here below you can find load data supported by profiles with the load in the middle and on all the lenght.
In each case the lenght is fixed with side junction elements:

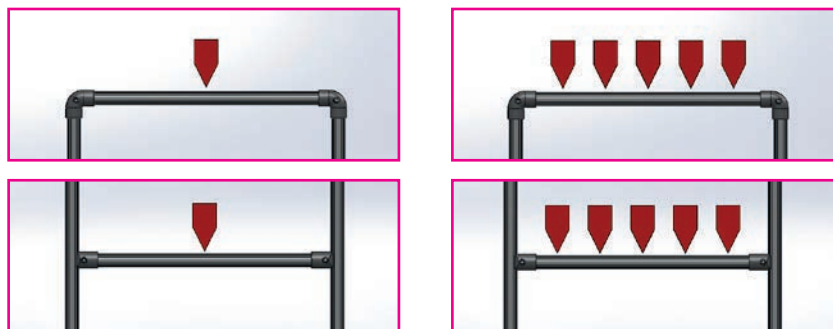


Tabella carico concentrato centralmente
Table with load in the middle

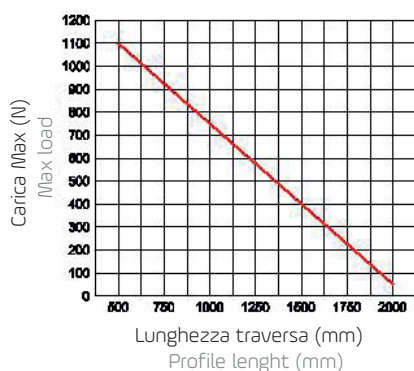
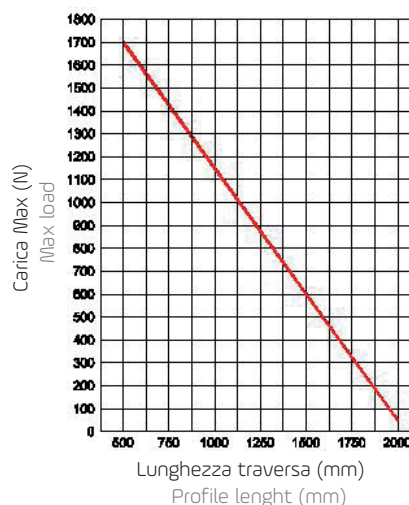


Tabella carico distribuito
Table with load on all the lenght



NB / PAY ATTENTION

I dati di carico supportato dei profilati è stato determinato teoricamente.

Le viti di fissaggio dei vari accessori di montaggio da M6 vanno serrate con una forza pari a 8,8 Nm.

Load data are theoretical.

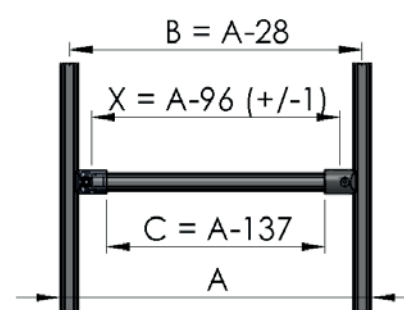
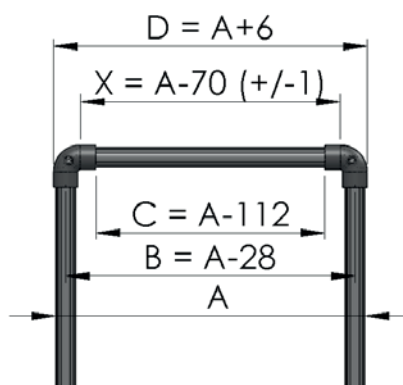
Screws to fix M6 assembling elements have to be clamped with a strong correspondent with 8,8 Nm.

Calcolo delle lunghezze delle traverse:

Tagliare il profilato alla quota "X" con tolleranza di +/- 1 mm

Lenght calculation:

"X" is the cut measure +/- 1 mm



Profilati / Profiles

Dati tecnici / Technical data

Sigla ISO del materiale: / Material ISO mark:
 Resistenza alla trazione: / Traction resistance:
 Limite elastico 0,2%: / Elastic limit 0,2%:
 Modulo di elasticità: / Elasticity modulus:
 Stato fisico: / Physical state:
 Spessore anodizzazione: / Anodization thickness:
 Tolleranza di estrusione: / Extrusion tolerance:
 Tolleranza rettilinea: / Linear tolerance:
 Tolleranza torsionale: / Torsion tolerance:

P-Al Mg Si
 $R_m = 195 \text{ N/mm}^2$
 $R_p 0,2 = 145 \text{ N/mm}^2$
 $E = 70.000 \text{ N/mm}^2$
 T5 (invecchiamento superficiale) / (surface ageing)
 15 Micron
 DIN 17615
 1,5 mm su 2 metri / 1,5 mm compared to 2 mt
 1,5 mm su 2 metri / 1,5 mm compared to 2 mt

PRLT28C

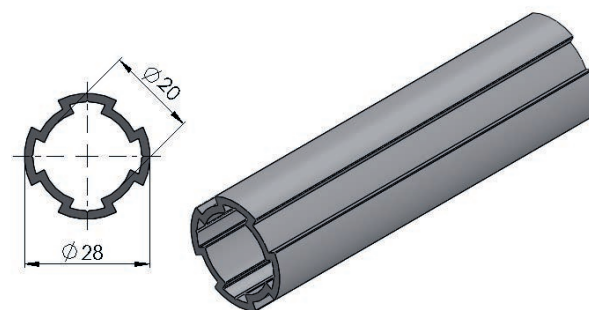
Profilato leggero tubolare a sezione tonda chiuso.
 Light pipy section with a closed round shape.

NB

Barra da 4100 mm
 Completare il codice con la lunghezza necessaria
 Esempio: PRLT28C_0100 (lunghezza 100 mm)

PAY ATTENTION

Bar lenght 4100 mm
 Complete the code with the lenght you need
 Example: PRLT28C_0100 (lenght 100 mm)



PRLT28A

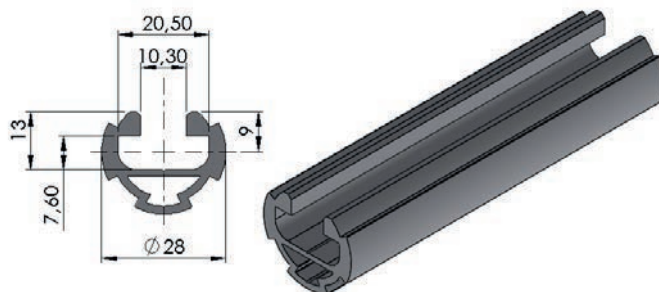
Profilato leggero tubolare a sezione tonda aperta, con cava C10.
 Light pipy section with an open round shape, slot C10.

NB

Barra da 4100 mm
 Completare il codice con la lunghezza necessaria
 Esempio: PRLT28A_100 (lunghezza 100 mm)

PAY ATTENTION

Bar lenght 4100 mm
 Complete the code with the lenght you need
 Example: PRLT28A_0100 (lenght 100 mm)



Accessori di montaggio / Assembling elements

Dati tecnici / Technical data

Materiale / Material

Connettori e raccordi: / Connectors and joints:
Minuteria di montaggio: / Assembling elements:

alluminio pressofuso / die-cast aluminium
acciaio / steel

Finitura superficiale / Surface finishing

Connettori e raccordi: / Connectors and joints:
Minuteria di montaggio: / Assembling elements:

lucidati / polished
zincatura bianca / white galvanizing

Minuteria di montaggio: / Assembling elements:

vite DIN 912 - M6x25 / screw DIN 912 - M6x25
dado ISO 10511 - M6 / nut ISO 10511 - M6

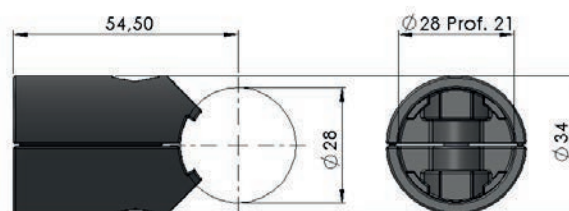
Forza di serraggio minuteria / Clamping force:

8,8 Nm / 8,8 Nm

D28CT90

Connettore tubolare a 90° / 90° pipe connector

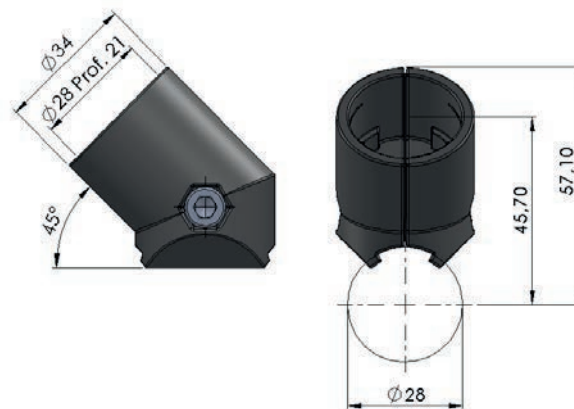
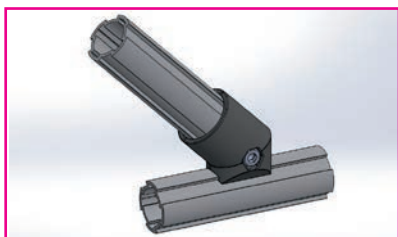
Materiale: alluminio (minuteria di fissaggio inclusa)
Material: aluminium (fixing elements included)



D28CT45

Connettore tubolare a 45° / 45° pipe connector

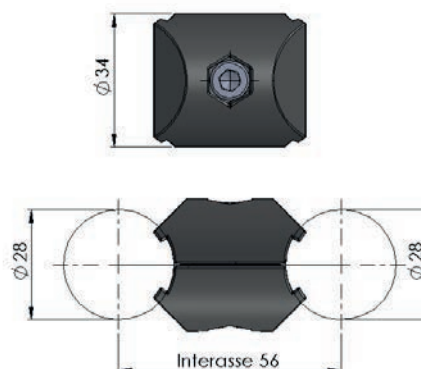
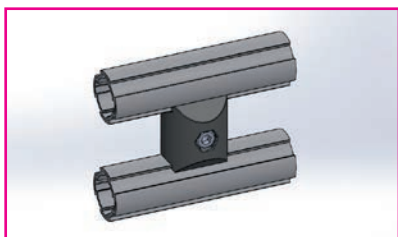
Materiale: alluminio (minuteria di fissaggio inclusa)
Material: aluminium (fixing elements included)



D28CTPA

Connettore tubolare parallelo / Parallel pipe connector

Materiale: alluminio (minuteria di fissaggio inclusa)
Material: aluminium (fixing elements included)

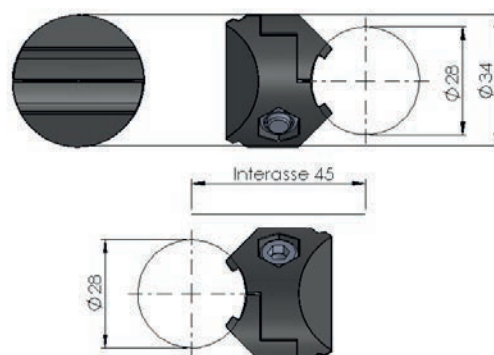
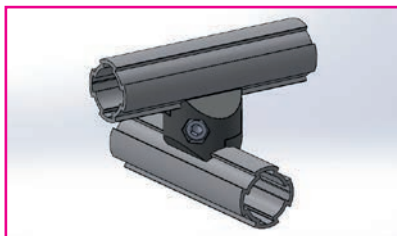


D28CTCR

Connettore tubolare a croce / Cross pipey connector

Materiale: alluminio (minuteria di fissaggio inclusa)

Material: aluminium (fixing elements included)

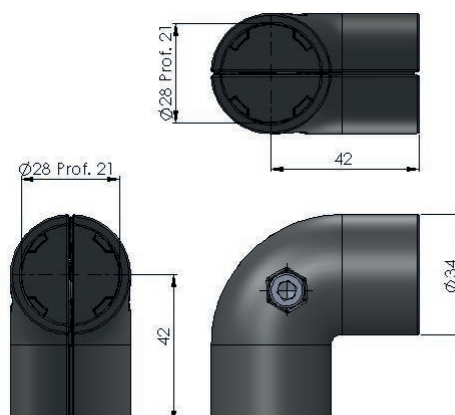
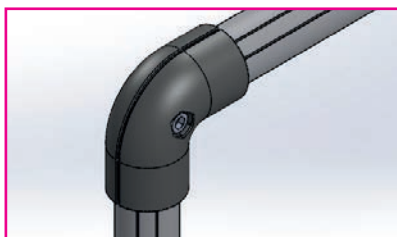


D28CTAN

Connettore tubolare ad angolo / Corner pipey connector

Materiale: alluminio (minuteria di fissaggio inclusa)

Material: aluminium (fixing elements included)

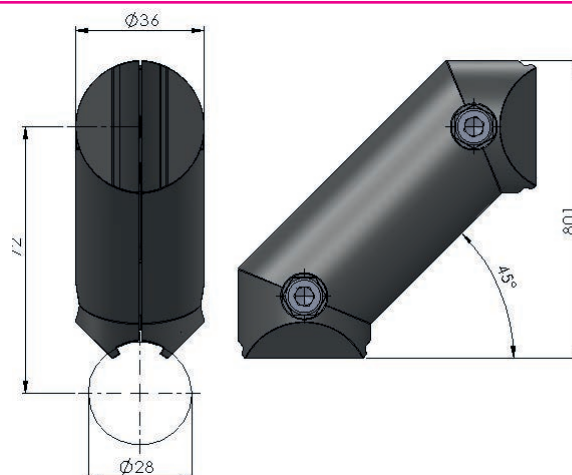
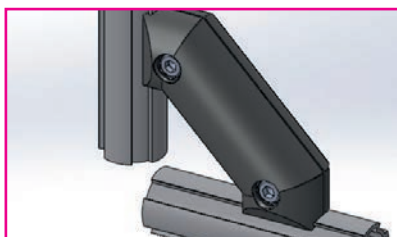


D28CTRI

Connettore tubolare di rinforzo / Reinforced pipey connector

Materiale: alluminio (minuteria di fissaggio inclusa)

Material: aluminium (fixing elements included)

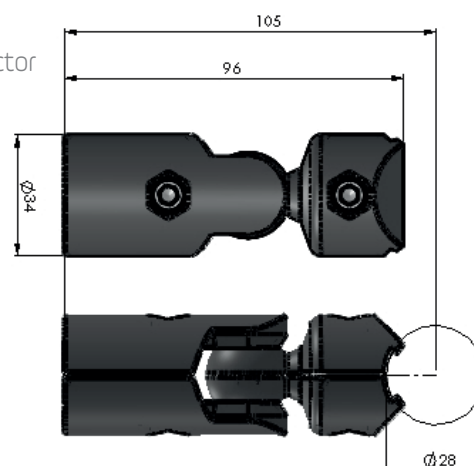
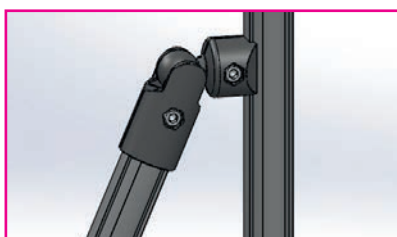


D28CTSN

Connettore tubolare snodato 90-270° / 90-270° articulated pipey connector

Materiale: alluminio (minuteria di fissaggio inclusa)

Material: aluminium (fixing elements included)

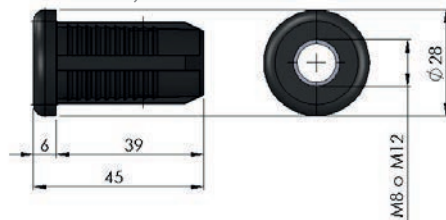
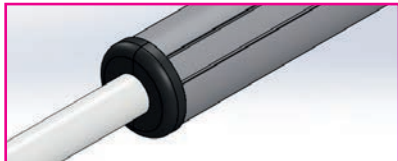


D28BF12

Boccola filettata M12 / M12 threaded bushing

Materiale: guscio esterno in plastica e boccola in acciaio (minuteria di fissaggio inclusa)

Material: plastic external shell and steel bushing (fixing elements included)

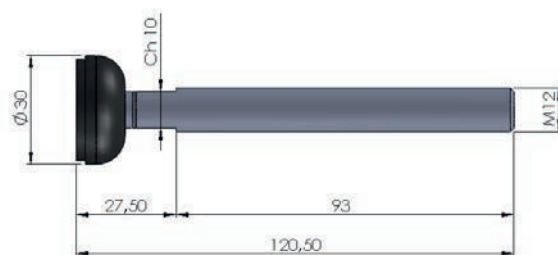
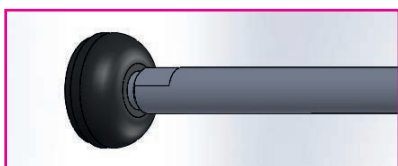


SUP3012

Piede snodato D.30 x M12 / Articulated foot D.30 x M12

Materiale: perno in acciaio zincato con capsula in plastica e piattello in gomma - carico statico 1000 kg

Material: galvanized steel pin, plastic base and rubber antivibration - static load 1000 Kg



RP80M12SF - RP80M12SFS

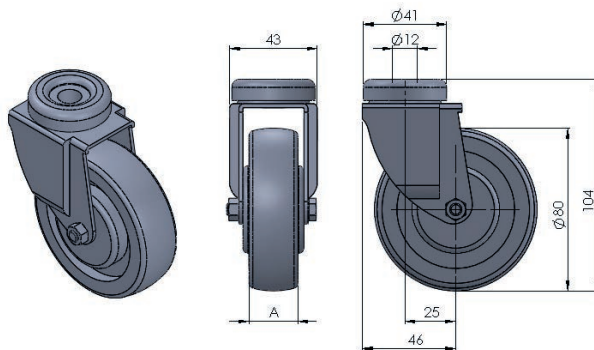
Ruota pivotante senza freno / Caster wheel without brake

Materiale:

- supporto in acciaio zincato
- ruota standard in nylon nero A = 22 mm - portata 40 Kg
- ruota opzionale in nylon grigio con battistrada in poliuretano nero
- A = 25,5 mm - portata 70 Kg (secondo codice)

Material:

- galvanized steel support
- standard black nylon wheel A=22 mm - capacity 40 Kg
- optional grey nylon wheel (second code) A=25,5 mm - capacity 70 Kg



RP80M12CF - RP80M12CFS

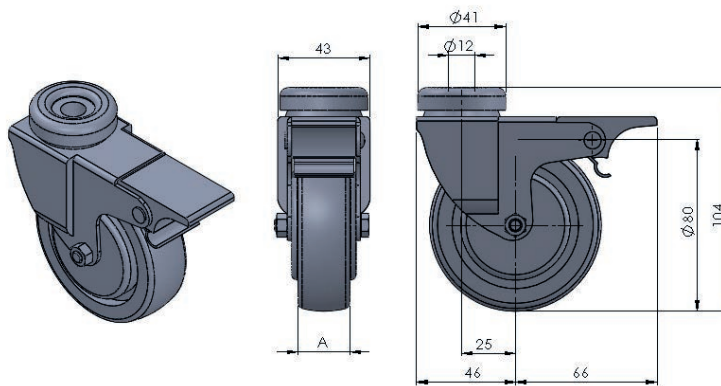
Ruota pivotante con freno / Caster wheel with brake

Materiale:

- supporto in acciaio zincato
- ruota standard in nylon nero
- A = 22 mm - portata 40 Kg
- ruota opzionale in nylon grigio con battistrada in poliuretano nero
- A = 25,5 mm - portata 70 Kg (secondo codice)

Material:

- galvanized steel support
- standard black nylon wheel A=22 mm - capacity 40 Kg
- optional grey nylon wheel (second code) A=25,5 mm - capacity 70 Kg

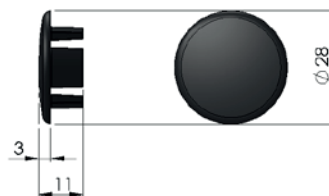
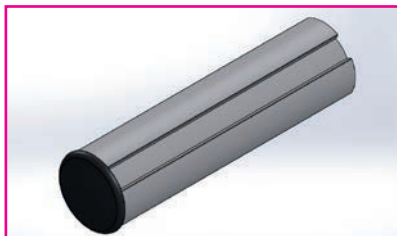


D28TACH

Tappo di chiusura / Closing cap

Materiale: plastica

Material: plastic

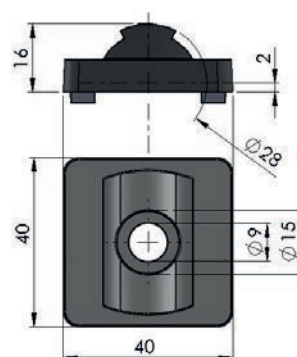
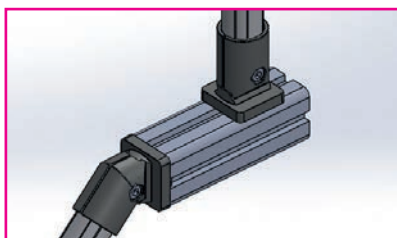


D28CTPQ

Connettore tubolare a profilato quadro / Squared pipey connector

Materiale: alluminio

Material: aluminium

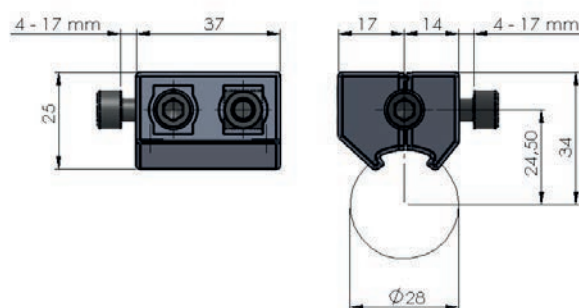
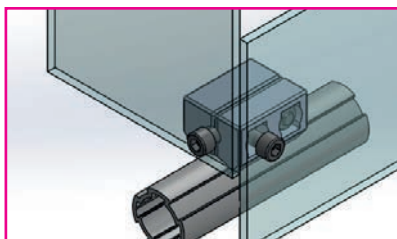


D28BFPA

Blocchetto in alluminio fissaggio pannelli e piani / Aluminium fixing block for panels and plates

Materiale: alluminio (minuteria di fissaggio inclusa)

Material: aluminium (fixing elements included)

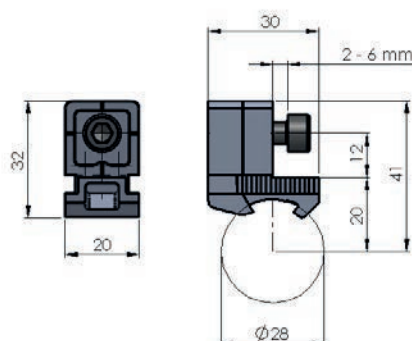
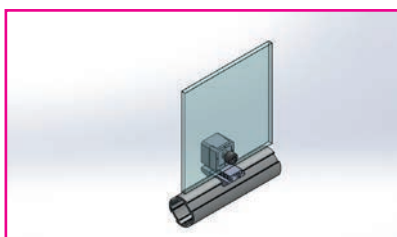


D28BFPP

Blocchetto in plastica fissaggio pannelli / Plastic fixing block for panels

Materiale: plastica (minuteria di fissaggio inclusa)

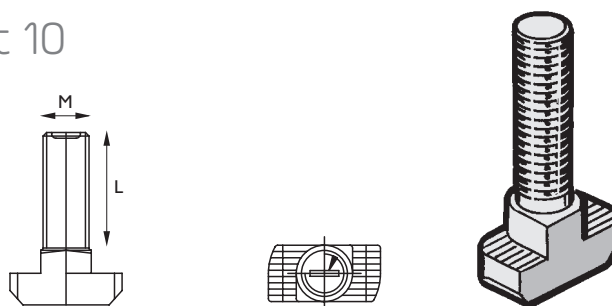
Material: plastic (fixing elements included)



Vite testa a martello per cava 10 Screw with hammer head for slot 10

Materiale: acciaio zincato
Material: galvanized steel

- M8 x 25 - VTM082510
- M8 x 45 - VTM084510



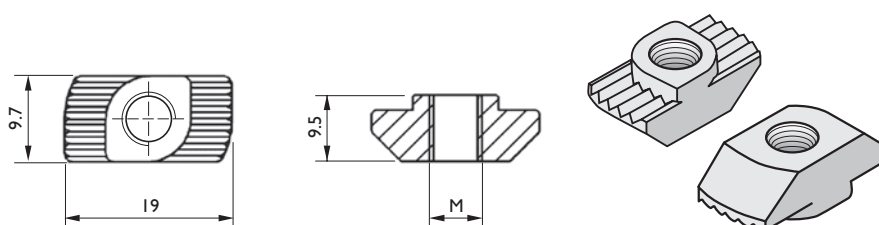
Per ulteriori accessori consultare il catalogo PR - MCH

Please, consult our PR catalogue for further information related to other assembling accessories

Dado a martello per cava 10 / Hammer nut for slot 10

Materiale: acciaio zincato
Material: galvanized steel

- M4 - DAM0410
- M5 - DAM0510
- M6 - DAM0610
- M8 - DAM0810



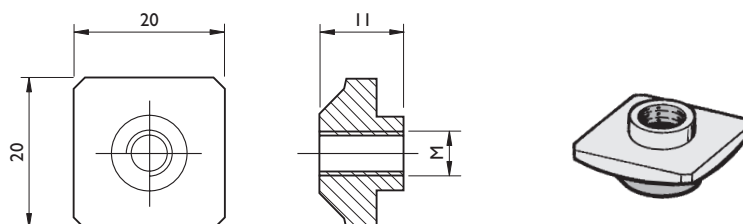
Per ulteriori accessori consultare il catalogo PR - MCH

Please, consult our PR catalogue for further information related to other assembling accessories

Dado quadro per cava 10 / Squared nut for slot 10

Materiale: acciaio zincato
Material: galvanized steel

- M6 - DAQ0610
- M8 - DAQ0810



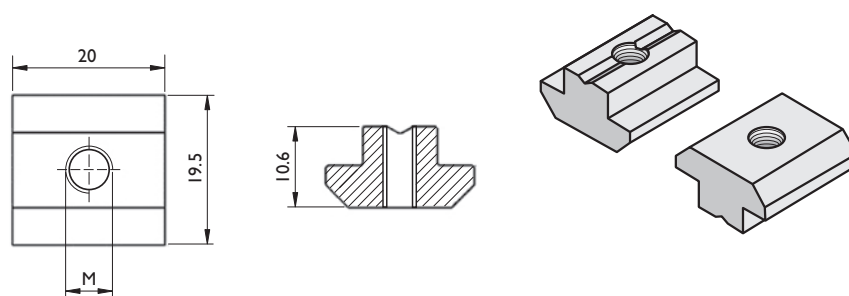
Per ulteriori accessori consultare il catalogo PR - MCH

Please, consult our PR catalogue for further information related to other assembling accessories

Dado a "T" per cava 10 / "T" nut for slot 10

Materiale: acciaio zincato
Material: galvanized steel

- M4 - DAT0410
- M5 - DAT0510
- M6 - DAT0610
- M8 - DAT0810



Per ulteriori accessori consultare il catalogo PR - MCH

Please, consult our PR catalogue for further information related to other assembling accessories

Accessori di movimentazione / Handling accessories

Dati tecnici / Technical data

Materiale / Material

Barra omega supporto rulli: / Roller bearing Omega bar:

acciaio zincato / galvanized steel

Perno rullo: / Roller pin:

acciaio / steel

Rullo: / Roller:

Pa / Pa

Sponde di contenimento: / Containing rails:

PVC / PVC

Flange di sostegno: / Support flanges:

acciaio zincato / galvanized steel

Carico supportato: / Load admitted:

4 kg per rullo (con barra omega ben fissata e sostenuta)

4 kg each roller (with Omega bar well fixed and supported)

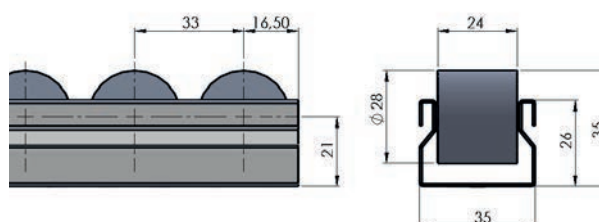
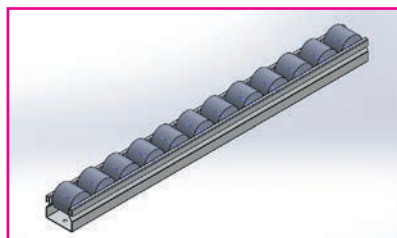
RU3526S

Rulliera su barra a omega 35x25 con rulli diametro 28 a passo 33 mm standard

Roller conveyor on omega bar 35x25 with rollers diameter 28, pitch 33 mm standard

Barra da 4000 mm di lunghezza (minuteria di fissaggio esclusa) (in opzione anche ESD)

Bar lenght 4000 mm (fixing elements included) (ESD option available)



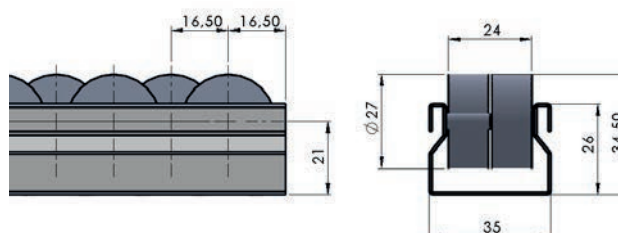
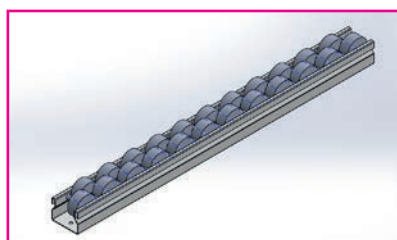
RU3526D

Rulliera su barra a omega 35x25 con rulli diametro 28 a passo 16,5 mm doppia

Double roller conveyor on omega bar 35x25 with rollers diameter 28, pitch 16,5 mm standard

Barra da 4000 mm di lunghezza (minuteria di fissaggio esclusa) (in opzione anche ESD)

Bar lenght 4000 mm (fixing elements included) (ESD option available)



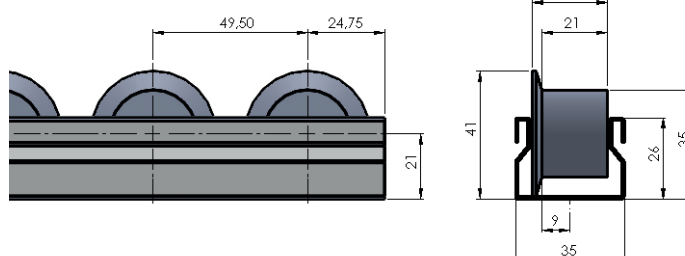
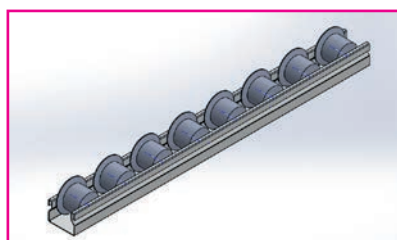
RU3526F

Rulliera su barra a omega 35x25 con rulli diametro 28 a passo 49,5 mm flangiati

Roller conveyor on omega bar 35x25 with flanged rollers diameter 28, pitch 49,5 mm

Barra da 4000 mm di lunghezza (minuteria di fissaggio esclusa) (in opzione anche ESD)

Bar lenght 4000 mm (fixing elements included) (ESD option available)



GR3526CE

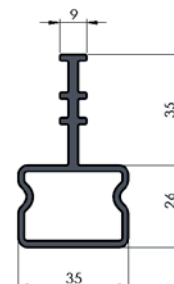
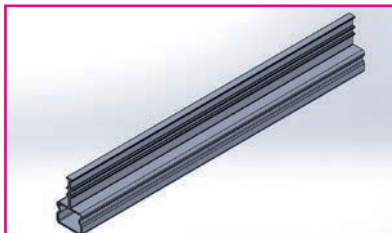
Guida rulliera 35x25 altezza 61 centrale
Roller conveyor rail 35x25 central height 61

Barra da 4000 mm di lunghezza

Materiale: PVC (in opzione anche ESD)

Bar lenght 4000 mm

Material: PVC (ESD option available)



GR3526LS

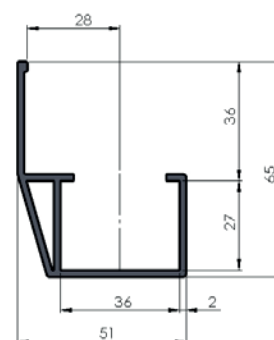
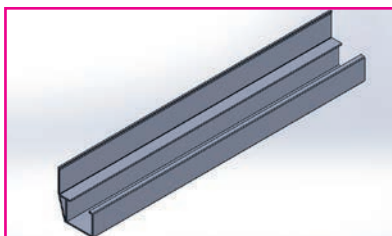
Guida rulliera esterna barra omega 35x25 altezza 65 laterale stretta
External narrow side roller conveyor rail 35x25 height 65

Barra da 4000 mm di lunghezza

Materiale: PVC (in opzione anche ESD)

Bar lenght 4000 mm

Material: PVC (ESD option available)



GR3526LL

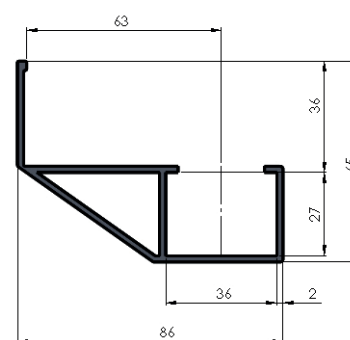
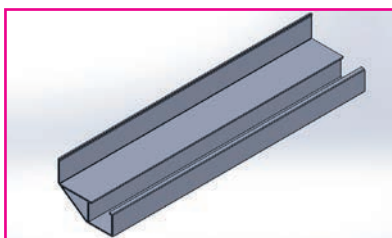
Guida rulliera esterna barra omega 35x25 altezza 65 laterale larga
External wide side roller conveyor rail 35x25 height 65

Barra da 4000 mm di lunghezza

Materiale: PVC (in opzione anche ESD)

Bar lenght 4000 mm

Material: PVC (ESD option available)

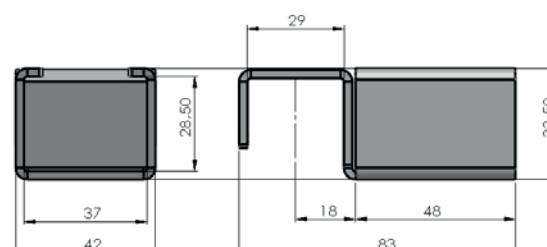
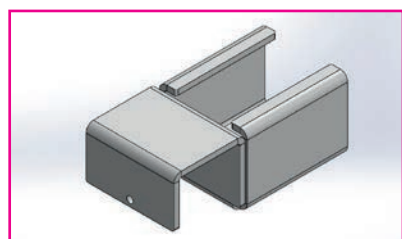


SSR3526S

Staffa supporto rulliera 35x25 altezza 33
Holding bracket for roller conveyor 32x25 height 33

Materiale: acciaio zincato

Material: galvanized steel



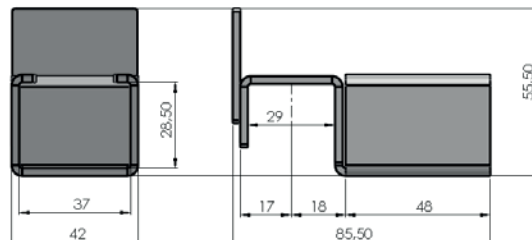
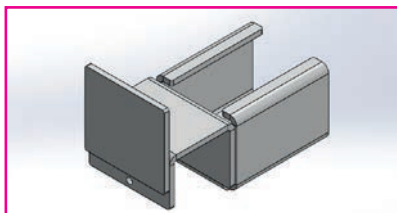
SSR3526B

Staffa supporto rulliera 35x25 altezza 33 con battuta anteriore

Holding bracket for roller conveyor 32x25 height 33 with frontal stop

Materiale: acciaio zincato

Material: galvanized steel



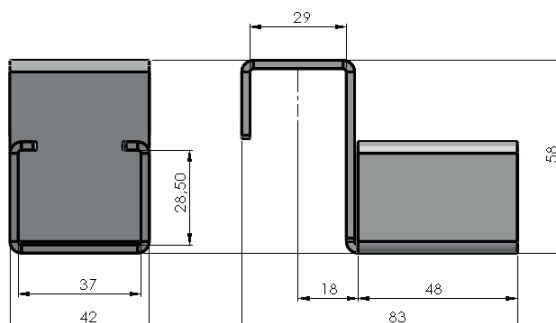
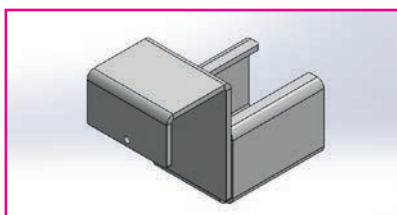
SSR3526M

Staffa supporto rulliera 35x25 altezza 58

Holding bracket for roller conveyor 32x25 height 58

Materiale: acciaio zincato

Material: galvanized steel



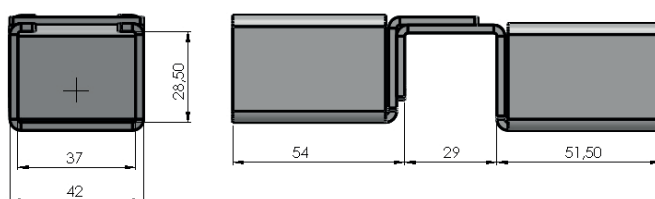
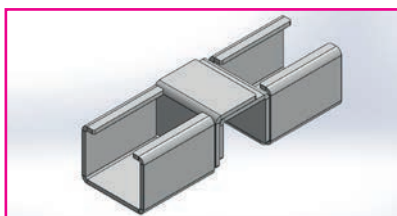
SSR3526P

Staffa a ponte unione rulliere 35x25

Bridge bracket to joint roller conveyor 35x25

Materiale: acciaio zincato

Material: galvanized steel



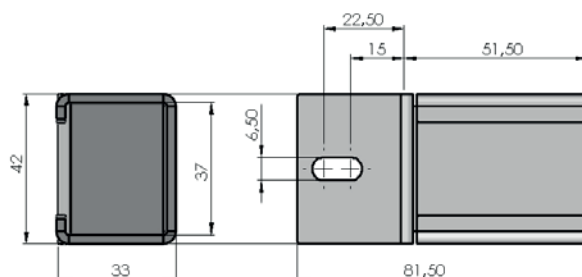
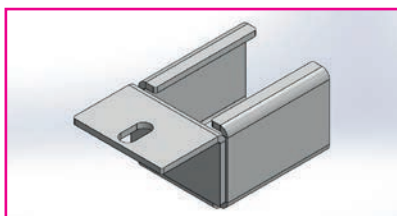
SSR3526A

Staffa ancoraggio rulliera 35 x 25

Bracket to fix roller conveyor 35x25

Materiale: acciaio zincato

Material: galvanized steel



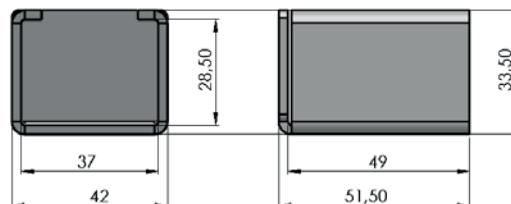
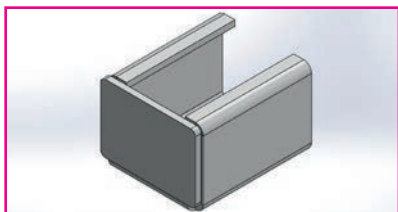
SSR3526T

Tappo chiusura rulliera 35x25

Closing cap for roller conveyor 35x25

Materiale: acciaio zincato

Material: galvanized steel



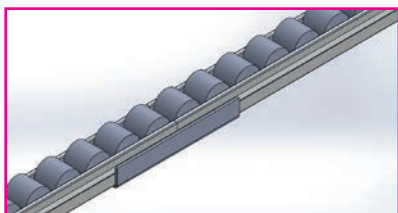
SSR3526U

Staffa di unione prolungamento rulliere 35x25

Union bracket to extend roller conveyor 35x25

Materiale: acciaio zincato

Material: galvanized steel



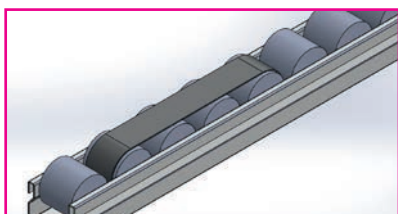
SBRK9928

Freno per rulliere 35x25

Brake for roller conveyor 35x25

Materiale: acciaio armonico

Material: harmonic steel



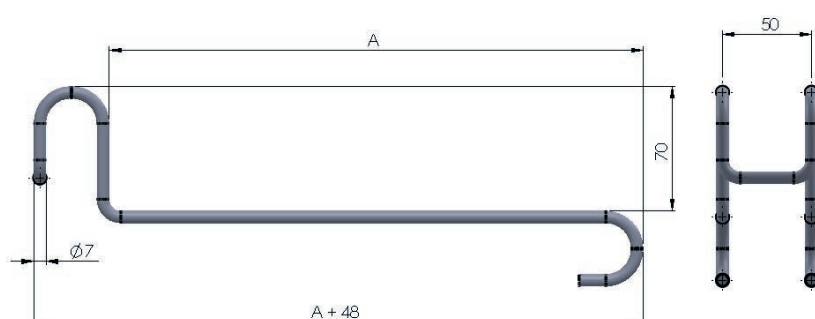
SM50L200 – SM50L300 – SM50L400 – SM50L500

Scivolo sostegno cassette lunghezza 200/300/400/500 mm

Holding ramp for cases length 200/300/400/500 mm

Materiale: acciaio zincato

Material: galvanized steel





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