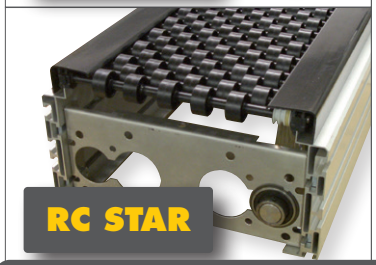
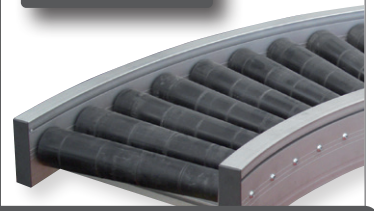
6

PROGRAMMA DI PRODUZIONE
PRODUCTION PROGRAM









RC150 SERIES

CASE
ROLL
STAR

Components for Roller Conveyors System

Parts 3D



BETTSISTEMI

PARTNER FOR SYSTEMS IN FLEXIBLE AUTOMATION AND THE SAFETY OF MACHINES

www.bettsistemi.com

CATALOGO COMPLETO
COMPLETE CATALOGUE

RC150 CASE



Si tratta di componenti per rulliere modulari a rulli folli, frizionati e non frizionati, costituiti da moduli rettilinei e curvilinei.
La serie **RC Case** si caratterizza per l'alta qualità dei componenti, la minima necessità di manutenzione richiesta, gli elevati standard di sicurezza e il basso rumore generato anche ad alte velocità. Adatto al trasporto di pesi medio-leggeri, ha una larghezza massima di 810mm. Tra le principali applicazioni, segnaliamo le linee di assemblaggio flessibili e di imballaggio, i magazzini automatici, i centri di distribuzione o di ricevimento prodotti.

These components are designed for modular roller units with idle rollers, both frictioned and unfrictioned, consisting of rectilinear and curvilinear modules.
*The **RC Case** series is characterised by the high quality of its components, minimum maintenance requirements, high safety standards and low noise emissions, even at high speeds. Suitable for conveying medium-light weights, it has a maximum width of 810 mm. Among the main applications are flexible assembly and packaging lines, automated warehouses, product receipt or distribution centres.*

RC150 ROLL-STAR

ACCUMULO MORBIDO
SOFT ACCUMULATION



Le serie **RC Roll & Star** rappresentano l'unica soluzione per evitare i danni alla produzione dovuti al tamponamento da accumulo. Questi sistemi si integrano nel percorso produttivo dove spesso sono necessarie delle zone di accumulo nei collegamenti tra le varie macchine di processo.
La superficie di trasporto è realizzata con file di rullini indipendenti uno dall'altro, montati folli su alberini motorizzati. In caso di arresto del prodotto trasportato, il prodotto ferma con il suo peso i rullini sottostanti mentre l'albero continua a girare liberamente con creazione di minor attrito (volvente). In queste situazioni di accumulo si evita il danneggiamento delle prime file di prodotto soggette alla spinta di quelle successive in arrivo, riducendo in modo drastico la spinta.
Grazie al principio di funzionamento, è possibile la realizzazione di movimenti bidirezionali sullo stesso modulo con la semplice inversione del senso di moto delle cinghie di trasmissione.
Ideali per applicazioni nell'industria della carta, dell'imbottigliamento, alimentare e per l'alimentazione di macchine flow-pack.

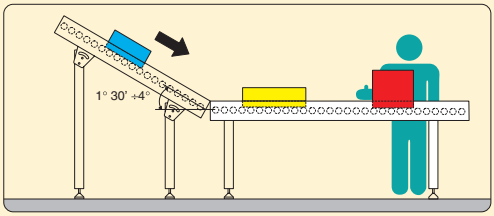
*The **RC Roll & Star** series are the only solution to prevent production damages as a consequence of product piling-up following accumulation. These systems are integrated in the production path, where accumulation points are often required in the linking areas among the various processing machines.*
The conveyor surface is made of rows of independent rollers, that are idle fitted on motor-driven shafts. In the event that the product handled stops, the same product stops the rollers underneath with its own weight, while the shaft continues to rotate freely and creates less friction (rolling resistance). In these accumulation occurrences, damage to the first product rows, subject to the thrust of the following incoming rows, is prevented and thrust is dramatically reduced.
Thanks to this operating principle, bidirectional movements can be obtained on the same module simply reversing the motion direction of the transmission belts.
These systems are the ideal solution for applications in the paper, bottling and food sectors and for flow-pack machine feeding.

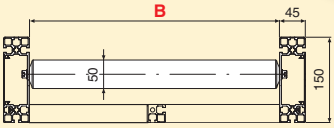
BETT SISTEMI
Original COMPONENTS

RC1 50 SG CASE

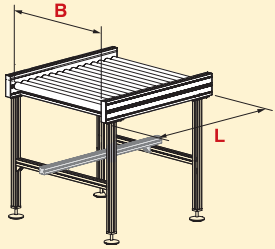
MODULO RETTILINEO PER RULLIERA FOLLE
RECTILINEAR MODULE FOR IDLE ROLLER UNIT

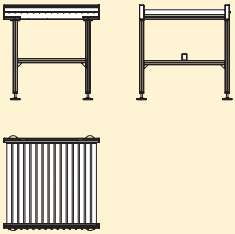






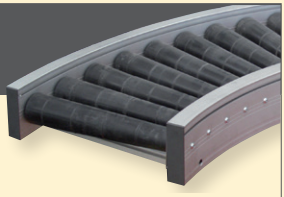


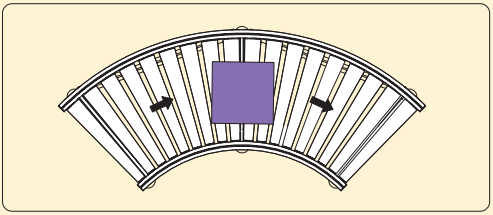


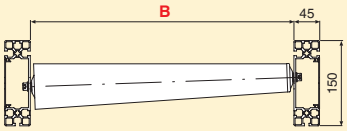


RC1 50 CG CASE

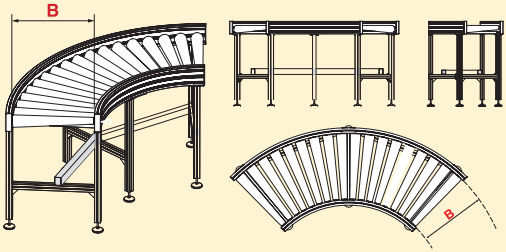
MODULO CURVILINEO PER RULLIERA FOLLE
CURVILINEAR MODULE FOR IDLE ROLLER UNIT









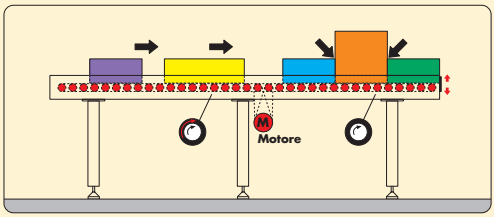


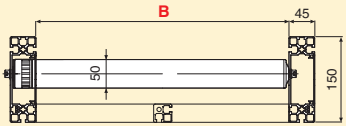
CARATTERISTICHE DI TUTTE LE SERIE RC CASE: / *FEATURES OF ALL RC CASE SERIES:*		
LARGHEZZA - **B** = da 360 a 810 mm,	LUNGHEZZA - **L** = da 1000 a 6000 mm;	MATERIALE RULLI = Acciaio Zincato / PVC
*WIDTH - **B** = from 360 to 810 mm,*	*LENGTH - **L** = from 1000 to 6000 mm;*	*ROLLERS MATERIAL = Galvanized steel / PVC*

RC150 SA CASE

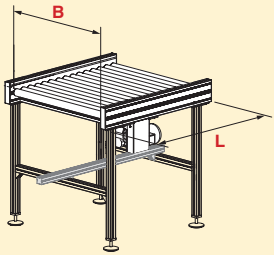
MODULO PER RULLIERA MOTORIZZATA AD ACCUMULO *(RULLI FRIZIONATI)*
MODULE FOR MOTOR-DRIVEN ACCUMULATION ROLLER UNIT (FRICTIONED ROLLERS)

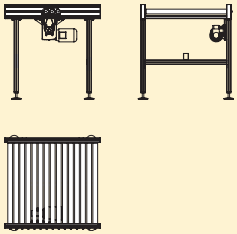








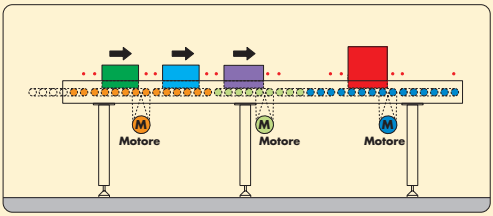


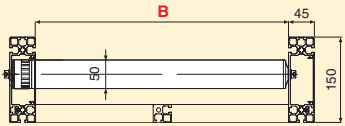


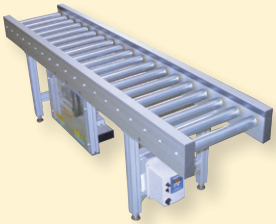
RC150 SC CASE

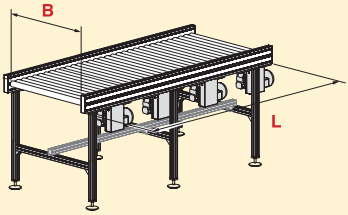
MODULO PER RULLIERA MOTORIZZATA A CONTROLLO *(RULLI NON FRIZIONATI)*
MODULE FOR MOTOR-DRIVEN CONTROLLED ROLLER UNIT (UNFRICTIONED ROLLERS)

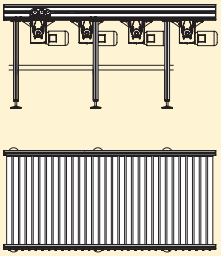






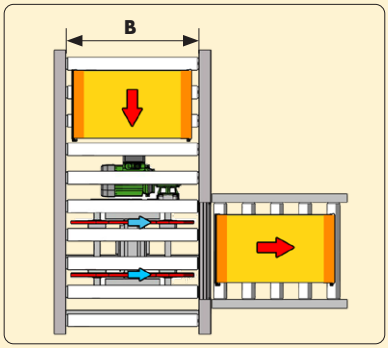






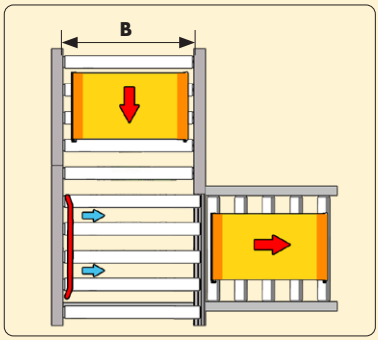
CARATTERISTICHE DI TUTTE LE SERIE RC CASE: / *FEATURES OF ALL RC CASE SERIES:*		
LARGHEZZA - **B** = da 360 a 810 mm,	LUNGHEZZA - **L** = da 1000 a 6000 mm;	MATERIALE RULLI = Acciaio Zincato / PVC
*WIDTH - **B** = from 360 to 810 mm,*	*LENGTH - **L** = from 1000 to 6000 mm;*	*ROLLERS MATERIAL = Galvanized steel / PVC*

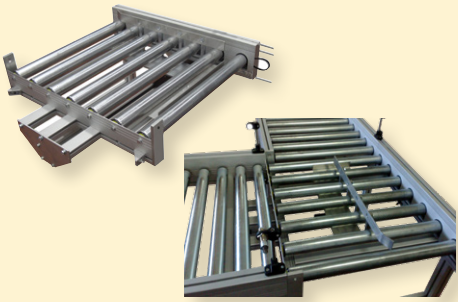
GRUPPO DI TRASFERIMENTO ORTOGONALE PER RULLIERA MOTORIZZATA
ORTHOGONAL TRANSFER UNIT FOR MOTOR-DRIVEN ROLLER UNIT



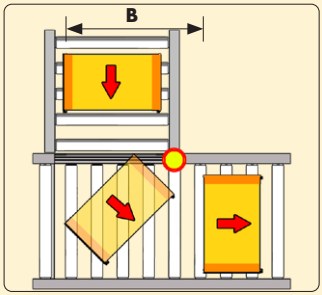


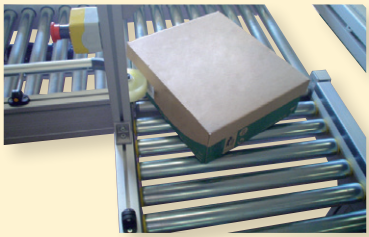
GRUPPO DI TRASFERIMENTO ORTOGONALE PNEUMATICO
ORTHOGONAL PNEUMATIC TRANSFER UNIT





GRUPPO DI TRASFERIMENTO ORTOGONALE PER RULLIERA MOTORIZZATA A CONTROLLO
ORTHOGONAL TRANSFER UNIT FOR MOTOR-DRIVEN CONTROLLED ROLLER UNIT





CARATTERISTICHE DI TUTTE LE SERIE RC CASE: / *FEATURES OF ALL RC CASE SERIES:*		
LARGHEZZA - B = da 360 a 810 mm,	LUNGHEZZA - L = da 1000 a 6000 mm;	MATERIALE RULLI = Acciaio Zincato / PVC
WIDTH - B = from 360 to 810 mm,	*LENGTH - L = from 1000 to 6000 mm;*	*ROLLERS MATERIAL = Galvanized steel / PVC*

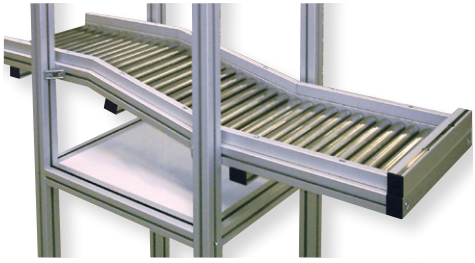




RC CASE

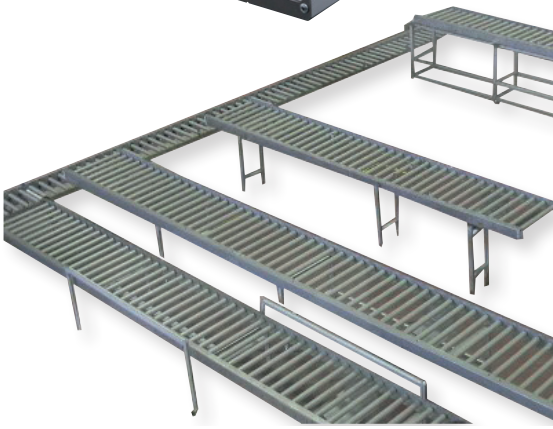








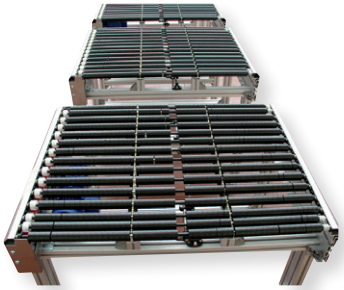


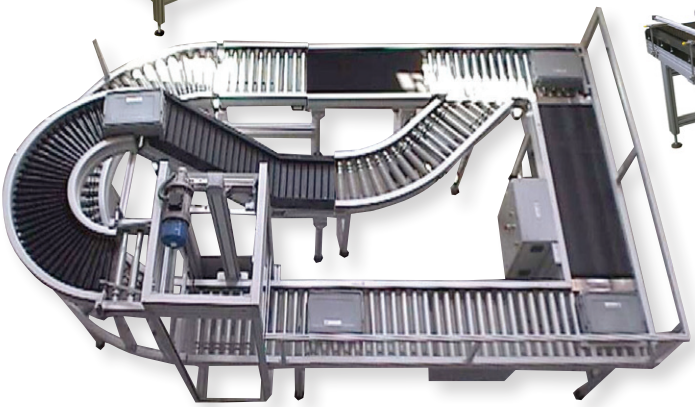




RC ROLL









RC STAR



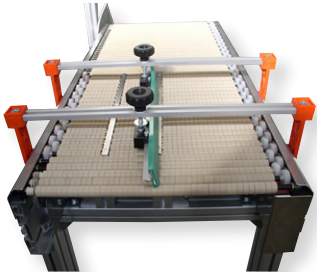


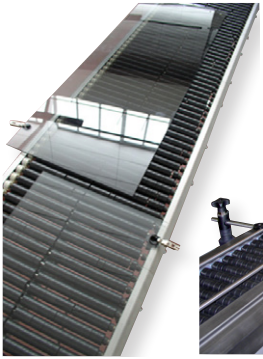
Components for Roller Conveyors System

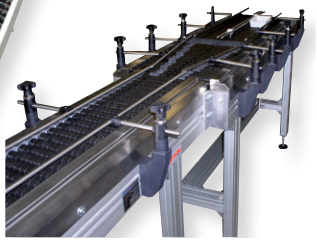






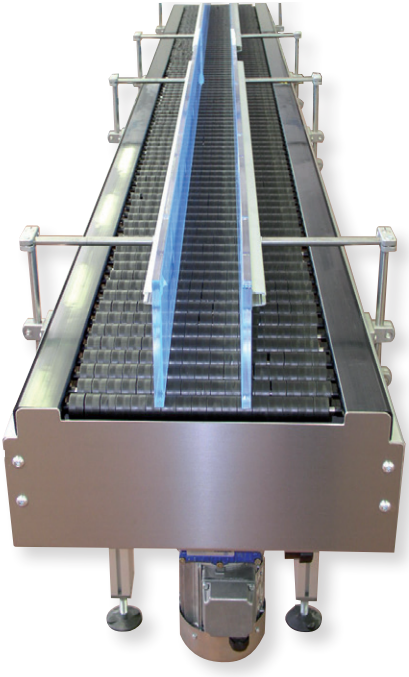


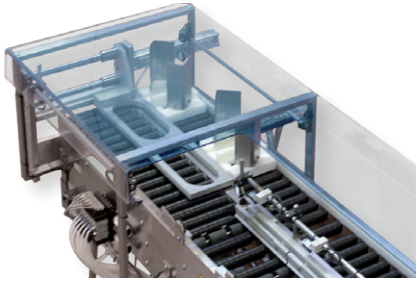










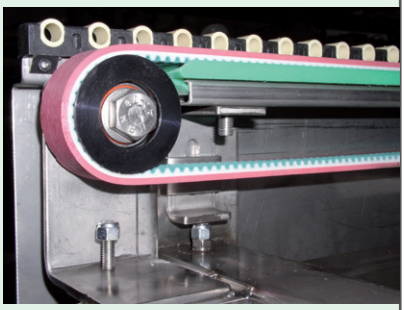


RC ROLL

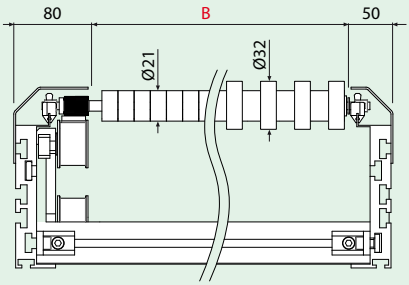
SISTEMA PER TRASPORTATORI AD ACCUMULO MORBIDO
SYSTEM FOR SOFT ACCUMULATION CONVEYORS



La serie **RC Roll**
è dotata di motorizzazione tramite unica cinghia dentata tangenziale.
E' studiata per far fronte alle esigenze di alta velocità e dove le condizioni ambientali di lavoro siano particolarmente difficili (polverosi, sporchi o comunque usuranti).
Il piano di trasporto è realizzato con rullini di diametro 21 mm o 32 mm che possono essere montati a passo 23 mm - 37 mm.
E' possibile realizzare cambi di livello di pendenza ridotta utilizzando rullini frizionati.
E' adatta all'accumulo di prodotti pesanti (max. 20 Kg).



*The **RC Roll s**eries is equipped with motor-drive using a single toothed tangential belt.*
It has been designed to meet high-speed requirements in harsh working environments (dusty, dirty or extreme environments).
The conveying surface is made of 21 mm or 32 mm diameter rollers, which can be fitted with a 23 mm - 37 mm pitch.
Using frictioned rollers, low gradient changes can be made.
It is the ideal solution for the accumulation of heavy products (20 kg max.).



CARATTERISTICHE/ *FEATURES*:

LARGHEZZA UTILE DI TRASPORTO / *USEFUL CONVEYOR LENGTH* - B = 200 ÷ 1000 mm

VELOCITÀ MAX. / *MAX. SPEED* = 65 m/min.

LUNGHEZZA MAX. MOTORIZZABILE CON UN MOTORIDUTTORE / *LUNGHEZZA MAX. MAX. LENGTH THAT CAN BE MOTOR-DRIVEN WITH ONE GEARMOTOR* = 3000 mm

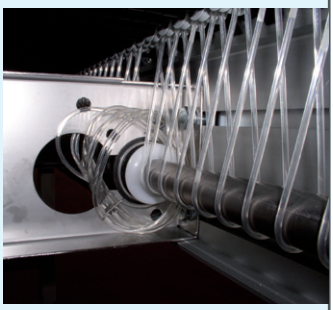
MATERIALE RULLI / *ROLLER MATERIAL* = plastica/acciaio inox / *plastic/stainless steel*

RC STAR

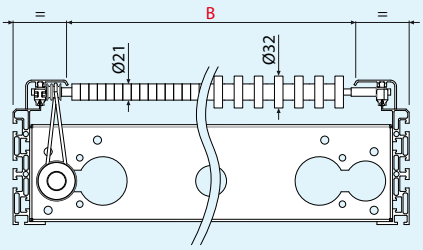
SISTEMA PER TRASPORTATORI AD ACCUMULO MORBIDO
SYSTEM FOR SOFT ACCUMULATION CONVEYORS



La serie **RC Star**
è dotata di motorizzazione tramite cinghie elastiche dipendenti da un unico albero longitudinale.
Ideale per esigenze di gestione di velocità differenti su uno o più tratti della stessa linea utilizzando un'unica motorizzazione: è possibile montare pulegge portacinghie di diverso diametro (Ø17 o 21 mm) sullo stesso albero di trasmissione, quest'ultimo può a sua volta essere variato da diametro 25 a 40mm.
Il piano di trasporto è realizzato con rullini di diametro 21 mm - 32 mm che possono essere montati a passo 18.5 mm (solo Ø21 mm) - 23 mm o 37 mm (solo Ø21 e Ø32 mm).
E' possibile realizzare cambi di livello di pendenza ridotta utilizzando rullini frizionati.
E' adatta all'accumulo di prodotti leggeri e delicati (max. 5 Kg).



*The **RC Star** series is motor driven by means of elastic belts controlled by a single longitudinal shaft.*
It is suitable for handling different speeds over one or more sections of the same line, using a single motor drive: it is possible to fit belt-holder pulleys of different diameters (Ø17 or 21 mm) on the same transmission shaft, which can have different diameters as well (from 25 to 40mm).
The conveyor surface is made of rollers having a diameter of 21 mm - 32 mm. These can be fitted at a distance of 18.5 mm (only Ø 21 mm) of 23 mm or 37 mm (only Ø21 and Ø32 mm).
Using frictioned rollers, low gradient changes can be made.
It is the ideal solution for accumulation of lightweight (5 kg max.) and delicate products.



CARATTERISTICHE/ *FEATURES*:

LARGHEZZA UTILE DI TRASPORTO / *USEFUL CONVEYOR LENGTH* - B = 200 ÷ 800 mm

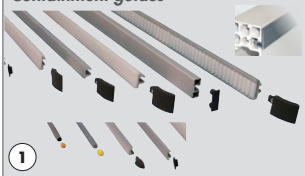
VELOCITÀ MAX. / *MAX. SPEED* = 35 m/min.

LUNGHEZZA MAX. MOTORIZZABILE CON UN MOTORIDUTTORE / *MAX. LENGTH THAT CAN BE MOTOR-DRIVEN WITH ONE GEARMOTOR* = 6000 mm (2 moduli da 3000 mm / *2 3000 mm modules*)

MATERIALE RULLI / *ROLLER MATERIAL* = plastica/acciaio inox / *plastic/stainless steel*

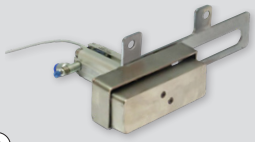
ACCESSORI / *ACCESSORIES*

Guide di contenimento
Containment guides



1

Accessori per guide di contenimento
Accessories for containment guides



2

Supporti per guide di contenimento
Supports for containment guides



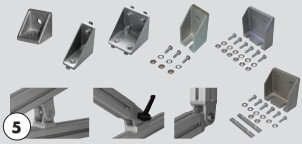
3

Segnalazione presenza prodotto
Product proximity and presence sensors



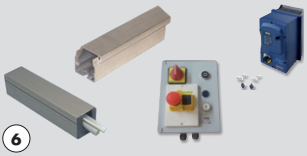
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Accessori di sostegno
Support accessories



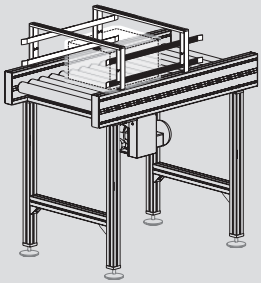
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Accessori elettrici
Electrical accessories

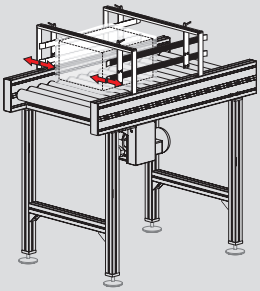


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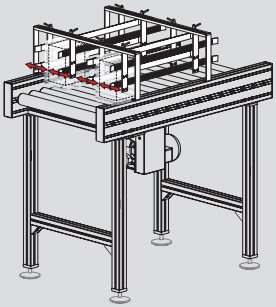
Castelli guida di contenimento
Guards guides



3 **Fisso a 1 via**
1 lane fixed



4 **Regolabile a 1 via**
1 lane adjustable



5 **Regolabile a 2 vie**
2 lanes adjustable

Accessori per sostegni in profilo 45x45
Accessories for supporting profile 45x45

6



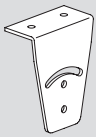
Flangia di fissaggio
Fastening flange

8



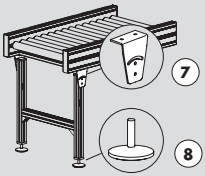
Piede regolabile
Adjustable foot

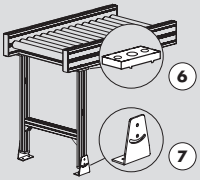
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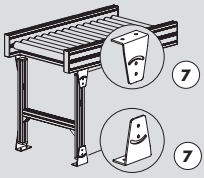


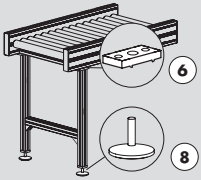


Flangia di fissaggio
Fastening flange









Applicazioni
Applications

Conveyors components collection













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