













TRASTECHNICA
Soluzioni per aziende in movimento



BAGGAGE HANDLING SYSTEMS

TECHNICAL SPECIFICS

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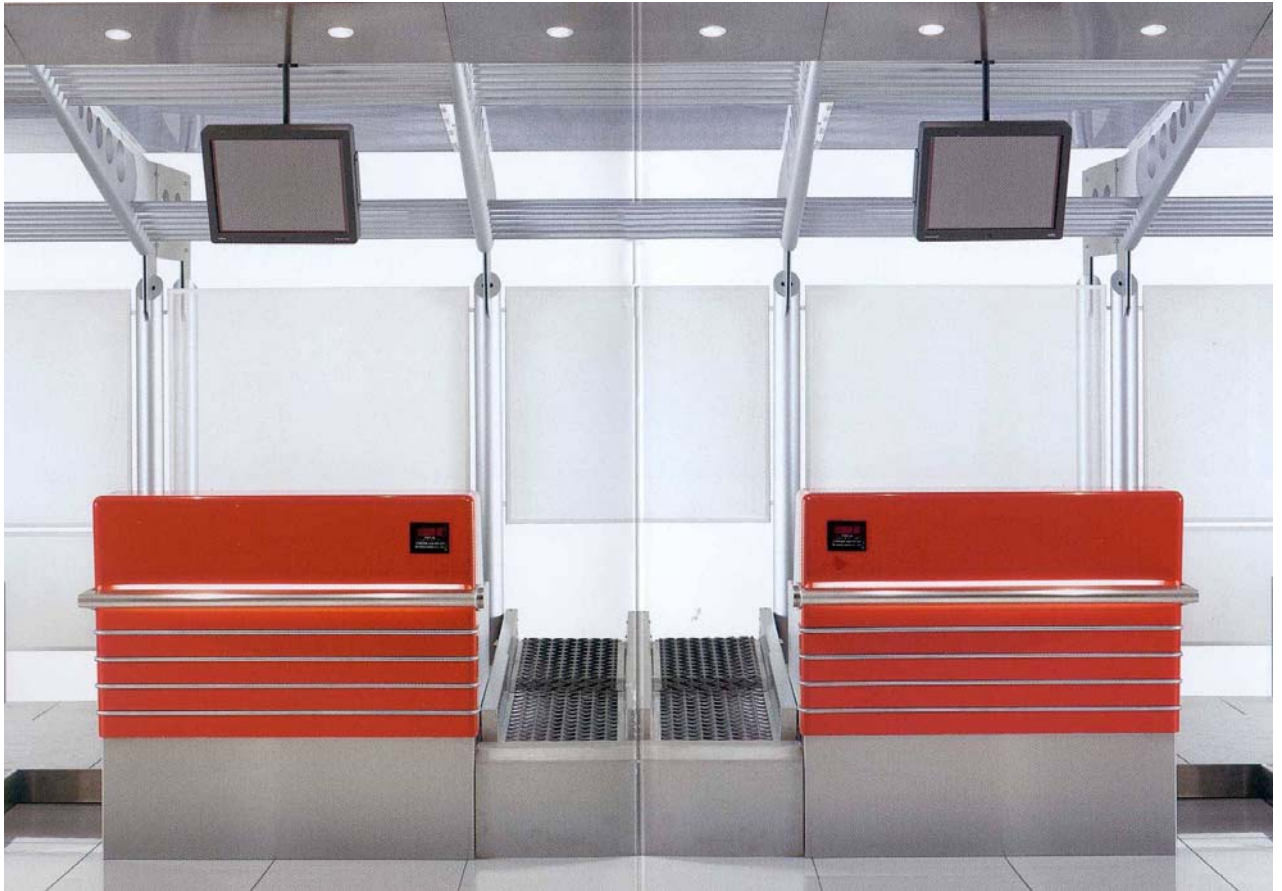


Drawings : Kafer /  Dati Uffici /  UT/  UTC/  AUTOCAD/  ARCHIVIO/ DATA BOOK



TRASTECHNICA
Soluzioni per aziende in movimento

CHECK-IN COUNTER





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Soluzioni per aziende in movimento

-SINGLE CHECK-IN - with one conveyor		
CARD N° 33060		
TECHNICAL CHARACTERISTICS AND DIMENSIONS		
	SINGLE CHECK-IN	DOUBLE CHECK-IN
Conveyor Type	Belt	Belt
Total Width	560 mm	1130 mm
Useful Width	460 mm	460 mm (every single belt)
Total Length	2060 mm	2060 mm
Height (passenger area)	360 mm	360 mm
Height (take-away conveyor side)	≅ 420 mm	≅ 420 mm
Side Guards Height	130 mm	130 mm
Belt Specifications	Width 400 mm Temperature range -10° +80 °	Width 400 mm(single belt) Temperature range -10° +80 °
DYNAMIC CHARACTERISTICS		
Capacity	70 Kg / m	
Speed	18 o 21 m / min	
Drive Power	0,18 kW	
Standard Voltage	400 V – 50 Hz	

COMPONENTS – GENERAL DESCRIPTION

STRUCTURE: In stainless steel, build up from bed and from side guards

MOTOR UNIT: Drum motor powered, 0,18 kW, Ø113 mm. 0,33 kW drum motor is available.

END CAP: Roller Ø55mm. Assembly.

RETURN ROLLER: Idler roller supports and aligned the belt.

BELT: Airports type in according to regulation in force; antistatic and flameproof. Belt structure build up in textile material at two cloth and rigid weft; upper side is built up in PVC and the bottom side is lower friction and lower noise. Belt is vulcanized. For its characteristic this belt type is suitable for roller with small diameter at guarantee of high cross rigidity and perfect and linear running.

SIDE GUARDS – SHROUDS: Build up in satined stainless steel AISI 304, 2 and 4mm thickness. Frontal shroud (passenger area) is 4mm thickness and of 198mm. Deep.

SUPPORTS: Designed for coupling with scale and for right slope of the conveyor.

OPERATION

Check-in counter Trastecnica solution is designed for **very good operation, easy maintenance and long life**.

OPERATION: Solution with a single conveyor allow to check-in operator to do a unique weighing when there are more baggage for a unique passenger. In fact if we consider baggage of medium dimensions, on the conveyor is possible the accumulation of three baggage. This permits to operator to check the total baggage weight before to send one or more baggage of that passenger on the take-away. (This is the typical situation with double check-in conveyors) to prevent possible problems or protests in case of overweight.

EASY MAINTENANCE: The drive assembly is placed at end of conveyor under the shroud (for single and double check-in conveyors) to allow fast and easy spare parts replacements or for simple inspection. Maintenance directly on the belt, without remove great parts, avoid interference to the normal Airport activity. In general all conveyor structures are designed to permit fast maintenance operation thanks to easy removable components (shrouds).

LONG LIFE: The conveyors build up with high quality components. The solution with single conveyor reduce the component quantity and consequently reduce failures probability and relatives maintenance costs.



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Soluzioni per aziende in movimento

CHECK-IN - scale	
CARD N° 82000	
TECHNICAL CHARACTERISTICS AND DIMENSIONS	
Platform dimensions	1200 x 430mm
Unit weight	Load cells
Overweight	700 Kg
Operator and passenger display	4 numeral 7 segment – led to high resolution maximal load visualized: 150 Kg – division 100 g
Voltage	24 V c.c.
Serial Port	RS 232
Certification	CE



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Soluzioni per aziende in movimento

BELT CONVEYOR MODEL 405





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Soluzioni per aziende in movimento

GENERAL BELT CONVEYOR	
CARD N° 33015-1	
TECHNICAL CHARACTERISTICS AND DIMENSIONS	
Conveyor type	Belt
Total width	1170 mm
Useful width	1040 mm
Total length	Min. \cong 900 – Max. \cong 30.000 mm
Height (from floor)	350 mm
Maximal inclination	\cong 20 °
Side guard height	400 mm
Belt Specifications	Width 950 mm Temperature Range -10° $+80^{\circ}$
Drive drum diameter	100 – 180 mm (rubber coated)
End drum diameter	74 – 100 mm
Return roller diameter	60 mm
DYNAMIC CHARACTERISTICS	
Capacity	120 Kg / m
Speed	from 20 to 60 m / minute
Drive power	from 0,37 to 2,2 kW
Standard voltage	400 V – 50 Hz



TRASTECCNICA

Soluzioni per aziende in movimento

TAKE-AWAY BELT CONVEYOR	
CARD N° 33015-5	
TECHNICAL CHARACTERISTICS AND DIMENSIONS	
Conveyor type	Belt
Total width	1170 mm
Useful width	1040 mm
Total Length	Max. \cong 30.000 mm
Height (from floor)	350 mm
Maximal inclination	\cong 0 °
Side guard height	200 mm
Belt Specifications	Width 950 mm Temperature range -10° $+80^{\circ}$
Drive drum diameter	180 mm (rubber coated)
End drum diameter	100 mm
Return roller diameter	60 mm
DYNAMIC CHARACTERISTICS	
Capacity	120 Kg / m
Speed	from 20 to 60 m / min
Drive power	from 0,37 to 2,2 kW
Standard voltage	400 V – 50 Hz



TRASTECCNICA

Soluzioni per aziende in movimento

FEEDER BELT CONVEYOR	
CARD N° 33015-6	
TECHNICAL CHARACTERISTICS AND DIMENSIONS	
Conveyor type	Belt
Total width	1170 mm
Useful width	1040 mm
Total length	≅ 1250 mm
Height (from floor)	350 mm
Maximal inclination	≅ 20 °
Side guard height	400 mm
Belt Specifications	Width 950 mm Temperature range -10° +80 °
Drive drum diameter	100 (rubber coated)
End drum diameter	74 – 100 mm
Return roller diameter	60 mm
DYNAMIC CHARACTERISTICS	
Capacity	120 Kg / m
Speed	from 20 to 60 m / min
Drive power	From 0,37 to 2,2 kW
Standard voltage	400 V – 50 Hz

BELT CONVEYOR COMPONENTS – GENERAL DESCRIPTION

INTERMEDIATE SECTIONS: Available in standard length from 600mm to 3000mm. Structure build up with two frame in bent and painted iron plate, 2,5mm thickness, jointed by bolted to cross members, and one bed in galvanized plate. Return roller under bed.

DRIVE UNIT: Two drives type are availables, **central drive** and **end drive**. Central drive (diameter 180mm) usually to use a intermediate section 1200mm length with take-up assembly for belt tension. Central drive can have two drive drum type, Ø100mm and Ø180mm both rubber coated. End drive is available with only one drive drum Ø100mm. rubber coated too. Motoreducers directly drive drum keyed have a torsion arm. This solution to make easier the maintenance and motoreducer replacement.

END CAP: Realized with bolted shape plate to a intermediate section supports the end drum. End cap can be with take-up and available with end drum Ø100 or Ø74mm.

DRUMS: Drive drums so already above defined, are rubber coated, while the end drums have smooth surface and a swell to make easier the belt tracking. Both drums, in steel, have shafts with bearing pillow block.

BELT: In according to regulation DIN-ISO, has one or two polyester cloth, upper surface in smooth PVC or high traction coefficient (for example inclined conveyors, lower surface a low traction coefficient and low noise. The metallic lacing allow a quickly belt replacement.

SIDE GUARD: Avoid baggage fall, usually are build up in 400mm height, but may be built up in variable height. In passengers area realized in stainless steel AISI 304 and bolted to intermediate section side. At the junction of conveyors the guards are realised to avoid the baggage jamming.

In general these conveyors type designed for easy installation, built up in bolted section and complete of adjustable supports. These characteristics permit easy further upgrade or envelopment.

The maintenance is very easy on all conveyor components and especially for the long periodical maintenance interval.



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Soluzioni per aziende in movimento

GRAVITY ROLLER CONVEYORS





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Soluzioni per aziende in movimento

GRAVITY ROLLER CONVEYORS	
CARD N° 33002	
TECHNICAL CHARACTERISTICS AND DIMENSIONS	
Conveyor type	Gravity roller
Total width	925 – 1075 mm
Total length with side shrouds	1155 mm
Height from floor	150 mm
Inclination Max	$\cong 5^\circ$
Side guard height	400 mm
Roller diameter (galvanized steel)	48 mm
Roller tube thickness	1,5 mm
Standard roller gauge	75 mm
DYNAMIC CHARACTERISTICS	
Capacity	100 Kg / m

GRAVITY ROLLER CONVEYORS – GENERAL DESCRIPTION

STANDARD SECTION: Available in standard length from 1500 to 3000mm. The structure is built-up with two side channel in curved and painted plate 2,5mm thickness jointed with bolted cross members. Special length are available.

ROLLERS: Shaft with spring type, bearing greased for life.

SIDE GUARDS AND SHROUDS: Guards realized in curved plate, bolted on conveyors side. Passengers area guards and shrouds in satined stainless steel

SUPPORTS: Steel special profile realization, height and inclination adjustable with shaped plate.



TRASTECNICA
Soluzioni per aziende in movimento

CRESCENT CONVEYOR



Turin Airport - Arrivals



TRASTECCNICA

Soluzioni per aziende in movimento

CRESCENT CONVEYOR – WIDE BODY	
CARD N° 33065	
TECHNICAL CHARACTERISTICS AND DIMENSIONS	
Conveyor type	Articulated plates – Horizontal closed loop – Not reversible
Total width	1100 mm
Useful width	900 mm
Transport plate thickness	10 mm
Height from floor – Arrivals	390 mm
Height from floor – Departures	500 mm
Side guards height	200 mm
Outside shrouds	Sp. 4 mm
Outside curve radius	1566 mm
Inside curve radius	466 mm
Bend angles	30° - 45° - 60° - 75° - 90°
Structure height	200 mm
DYNAMIC CHARACTERISTICS	
Capacity	200 Kg / m
Speed	From 10 to 36 m / min
Drive power	From 1,5 to 4,4 kW
Standard voltage	400 V – 50 Hz

CRESCENT CONVEYOR - GENERAL DESCRIPTION

CRESCENT Conveyor is a continuous loop operation for horizontal use only. Conveying surface realized with continuous loop of rubber coated steel plates bolted to cross members attached to chain links.

STRUCTURE: Build up in welded steel structural work in shape from 1500 or 3000mm standard straight sections, 45° or 90° standard curve sections, but special straight section and curves are available if necessary. Straight and curve sections are bolted to obtain the conveyor loop.

TRANSPORTO CHAIN: Realized with a articulated chain link series, 507mm gauge, every one shape from two steel plate 558x50mm, 3mm thickness. Each chain link has a drive block on the bottom, which engages with a caterpillar drive. Coated central wheels Ø150mm with ball bearings greased for life are between at links. Each chain section has six nylon pads mounted on them which allows the plate to slide as the chain goes through a curve. Carrier plates are bolted to cross members who are bolted to chain links. Cross members are supported on each end by swivel casters

CARRIER PLATE: Obtained from steel 6mm thickness with automatic machines and rubber coated 4mm thickness has a crescent shape. For this characteristic conveying plane is continuous and without clefts, in the curves too, and it is safe for operators, passengers and carried baggage.

Rubber cover characteristics:

- In accordance to regulation ASTM – D 2000 2 BC 910 A 14 F 17 PZ
- Breaking load 100 Kg/ cm²
- Stretching 300%
- Shore A 90 ± 5
- Resistance to tear 100 Kg/ cm²
- Temperature range -20 C° a + 60 C°
- Self extinguish in accordance to regulation ASTM D-635
- Colour black
- Good abrasion resistance and ageing
- Good oil and gasoline resistance.

DRIVE ASSEMBLY: The Caterpillar Drive is a double row of ASA #80 chain connected together with a series of hardened spacers (18 pieces), which engage the drive block of each chain link.

The caterpillar chain is mounted in the center of the 1500mm drive section and is driven by motor and sprockets mounted on side of unit.

Some conveyors are provided with two Caterpillar drives (optional) This Caterpillar drives may be raised and lowered from chain link so that a Caterpillar drive is always running in case of maintenance or damage.

Carousel with development 90m up, always use two Caterpillar drives.

TAKE UP ASSEMBLY: Everyone carousel has two 1425mm take-up section installed. Chain tension set-up is made during the installation

ACCESSORIES: Conveyor is complete of:

- Height adjustable floor supports
- Side steel curved and painted shroud, 4mm thickness in operators area and in stainless steel 4mm thickness in passengers area.
- Inside steel painted guards 2,5 mm. thickness, 200 or 400mm height in the operators area, and same characteristics but in stainless steel in passengers area.

FINISHING: All non stainless steel parts are degreased and in standard colour painted

NOISE: In according to regulation non under to 60 Db A 1 meter from conveyor, and 1 meter from floor



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Soluzioni per aziende in movimento

TRI-PLANAR CONVEYOR





TRASTECCNICA

Soluzioni per aziende in movimento

TRI-PLANAR CONVEYOR – WIDE BODY	
CARD N° 33068	
TECHNICAL CHARACTERISTICS AND DIMENSIONS	
Conveyor type	Overlapped plates – Horizontal closed loop – Not reversible
Total width	1100 mm
Useful width	810 mm
Transport rubber plate thickness	6 mm
Height from floor – Arrivals	400 mm
Height from floor – Departures	500 mm
Side guards height	200 mm
Middle curves radius	1143 mm
Inside curves radius	466 mm
Vertical curves angles	10° - 15° - 20° - 25°
Horizontal curves angles	15° - 30° - 45° - 60° - 90°
DYNAMIC CHARACTERISTICS	
Capacity	200 Kg / m
Speed	From 25 to 36 m / min
Drive power	From 1,5 to 4,4 kW
Standard voltage	400 V – 50 Hz

TRIPLANAR CONVEYOR – GENERAL DESCRIPTION

TRI-PLANAR is a continuous closed loop for horizontal and inclined use (max 22° about). Conveying plane is realized with overlapping rubber rectangular plates, with central chain jointed.

STRUCTURE: Build up in welded steel structural work is shape from straight and curve sections, Straight and curve sections are bolted to obtain the conveyor loop. Conveyor loop may be easily modified moving or adding conveyor sections.

TRANSPORT CHAIN: 203,2 mm pitch is powered from Caterpillar drive for regular, noiseless and guaranteed operation.

CARRIER PLATES: 810X300mm are realized in antistatic and flameproof rubber, 6mm thickness. Carrier plates and cross members are supported from coated ball bearings.

DRIVE ASSEMBLY: The Caterpillar Drive is a double chain row connected together with a series of hardened spacers, that engage the drive block of each chain link. Drive assembly is in 1220mm straight section.

The caterpillar chain is mounted in drive section center and is driven by motoreducer on drive shaft keyed.

TAKE UP ASSEMBLY: Everyone carousel has two 1220mm take-up section installed. Chain tension set-up is made during the installation

ACCESSORIES: Conveyor is complete of:

- Height adjustable floor supports
- Side steel curved and painted shroud, 4mm thickness in operators area and in stainless steel 4mm thickness in passengers area.
- Inside steel painted guards 2,5 mm. thickness, 200 or 400mm height in the operators area, and same characteristics but in stainless steel in passengers area.

FINISHING: All non stainless steel parts are degreased and in standard colour painted

NOISE: In according to regulation non under to 60 Db A 1 meter from conveyor, and 1 meter from floor



TRASTECHNICA
Soluzioni per aziende in movimento

CURTAINS AND TUNNEL

To limit the air stream in passengers area and limit loss of heat, curtains can be installed.

Realized in black rubber, 3 mm thickness, 150mm width, on painted steel installed.

To improve the curtains efficiency a steel tunnel is available with variable deep.

The finishing in passengers area are in stainless steel.



MANUAL AND MOTORIZED ROLLER SHUTTERS

In manual version so in motorized version the roller shutter have the following characteristics:

- Roller blind realized in painted steel
- Roller realized in galvanized steel Ø 70 mm.
- Sliding guide realized in U profile
- Finishing, stainless steel in passengers area

In motorized version is installed a motoreductor into the roller that actives the automatic roller shutter opening and automatic closing.

The roller shutter can be combined to curtains and tunnels to better isolate the passengers area from operators area.

