



## Heavy Duty Roller Bed Conveyors HBR & HYB .

The belt slides over low friction quality rollers, which could be 50, 60 or 89 mm in diameter. Rollers are made of galvanized steel, featuring special low friction bearings HBR Conveyors can use synthetic resin belts (PVC,PU,Grip face,etc...) or rubber belts of the plain type or with chevrons.

## سيور منزلقة على رولات HBR & HYB .

تنزلق الحصائر على رولات بأقطار 50 او 60 او 89 مم حسب نوع الحمل وبالتالي فإن الاحتكاك بين الحصيرة والسطح الحامل تكون قليلة مما يسمح بنقل اوزان متوسطة وكبيرة تصل الى 300 كجم لكل متر طولي ويمكن استخدام حصائر من البى فى سى او البولي يوريثان او المطاط حسب الحاجة.

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# HYB - Hybrid Conveyors

## Features

The heavy duty sheet metal construction offers a rigid and stable chassis thus ensuring stability, strength and a prolonged belt life under heavy loads.

With this type of conveyors it is possible to have a hybrid slider-bed thus mixing slider bed and rollers in any configuration..

HYB Conveyors can use synthetic resin belts (PVC, PU, Grip face, etc...) or rubber belts of the plain type or with chevrons.

Also they can have a center-drive unit including the belt tensioning pulley, which could be positioned anywhere along the conveyor length.

These conveyors can also have a 45 degree merge or diverge unit attached to them.



## Characteristics

The side channels have precision punched holes and slots that offer a flexible scheme for placing the supporting rollers, and permit the attachment of many accessories, such as side tables, skirts, brackets, guides, etc...

The supporting rollers' pitch could be changed to suit the material being transported.



The drive pulley is driven by integral reducers, either shaft mounted or sprocket driven. The drive unit could be also of the center-drive type with its integral belt tensioning system.

## Applications

HYB conveyors are used extensively in warehouses, airports, and general conveyance of medium to heavy loads ( up to 300 Kg/m) over relatively long distances.

They typically move unit goods such as cartons, crates, tires, sacks, and travel bags etc...and can be mounted on several types of special units for re-routing applications.



HYB conveyors can be floor mounted, suspended from ceilings using hangers, or wall mounted using brackets

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## Specifications

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Drive	Ø168 , 273 mm				
Take Up Diameter	Ø100 , 168 mm				
Return Rollers Diameter	Ø50 mm				
Return Rollers Pitch	2400 mm				
Roller Diameter	Ø50 mm				
Roller Pitch	90 , 180 , 270 mm				
Take-up Distance	200 mm				
Linear Speed	5,10,20,40,80 m/min				
Mains Supply	380 VAC +/-10%, 50 Hz 3 Phase				
Motor Power	Calculated based upon belt loading and conveyor length				
Motor Class	IP54				
Insulation Class	IP54				
Belt Materials	PVC , PU				
Paint	Electrostatic Epoxy Powder RAL 5017 (Blue)				
Dimensions					
Standard Width (W) / Preferred Values					
Outer Distance (Wo)					
W	400	500	600	700	800
Wo	560	660	760	860	960
Standard Section Length	2430				
Options	intermediate lengths available ( in 90 mm increments only)				
Modules are attached together using Butt Couplings, to obtain any desired length.					

# HYB - Hybrid Conveyors

Options	
Floor Supports	SGL
Ceiling Hangers	Yes
Wall Mount	Yes
Head pulley lagging	Yes
Left or Right Side Drive	Yes
Brake Motor	Yes
Bidirectional motion	Yes
Variable Speed Drives	Yes
Stainless Steel Construction	Yes

Accessories			
Under-Trussing	No	Inside scraper	No
Cross Bracing	No	Outside Scrapers	No
Butt Coupling	Yes	Emergency Pull Cord	Yes
Nose Wheel	No	Brake Rollers	No
Front Bumper	No	Troughing Attachment.	No
Tail Bumper	No	Optical Switches and Controls	Yes
End Stops	Yes		
Deflector	Yes	Push Button Station	Yes
Drip Pan	No	Pushers	No
Chutes	No	Back Stops	No
Guard Rails	Yes		
Side Skirts	Yes	Longitudinal Side Tables	No
Feed (Tail end) Hopper	No	Individual Side Tables	No
Delivery ( Head end) Hopper	No		
Head Pulley Hood	No		

مكتب القاهرة : برج القاتونيين كورنيش المعادى  
تليفون : ٢/٢٥٢٦٦٣٣٣  
فاكس : ٢/٢٥٢٦٤٨٨٨

مدينة برج العرب الجديدة - المنطقة الصناعية الثانية  
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