

THE HIGH CAPACITY CONVEYOR
FOR IMPROVED UNIT FLOW

SERIES
JPHD



Jonge Poerink
CONVEYORS

MODULARY DESIGN FITS EASILY INTO ANY PRODUCTION LINE

THE JP HD SERIES HAS A MODULAR SETUP AND A BROAD VARIETY OF IN/OUTFEED CONFIGURATIONS. THIS ALLOWS YOU TO CONFIGURE THE SPIRAL OR CONVEYOR IN EXACTLY THE WAY YOU WANT. YOU CAN ADAPT THE JP HD TO THE LAYOUT OF YOUR PRODUCTION AREA.

LONG LIFE AND LOW MAINTENANCE

JP HD conveyors are designed for Heavy-Duty use: high-capacity transport of heavy product loads both vertically and horizontally. The rigid construction of the conveyor and the use of high-quality components and materials ensure a long lifetime and low maintenance costs. The JP HD has a strong belt with stainless-steel rods and a stainless-steel link chain which maximise the uptime of your plant.

SPACE-SAVING DESIGN

JP HD Spirals have a floorspace-saving design. With the small footprint and the small curve radius of just 0.5 metres, you optimise your floor capacity. The compact spiral fits into almost any plant design.

EASY TO INSTALL

JP-HD Spirals up to 6 meters will be delivered in one piece. The Spiral only needs to be put upright, and the motor should be connected. Small JP-HD conveyors will also be delivered in one piece, but the longer ones will be delivered in parts, but can be mounted together easily. So the installation time needed is reduced to a minimum. JP-HD is up and running in no time.

DISTINGUISHING FEATURES

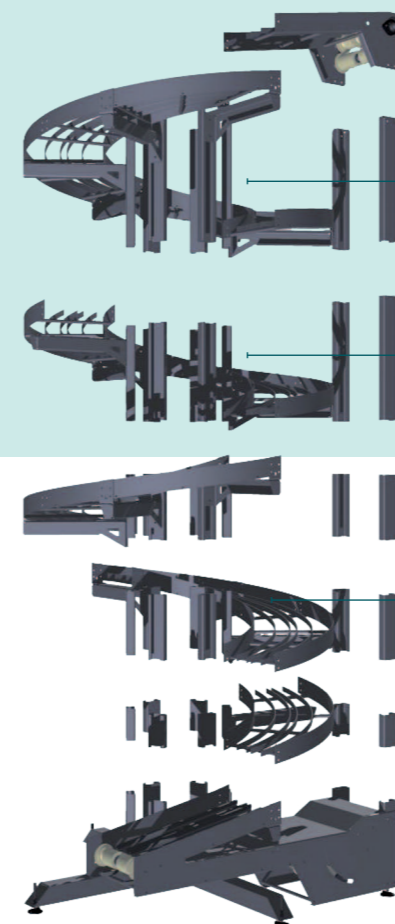
- Only one drive needed
- Full-width rod ensures a flat belt surface
- A choice of belt types with or without high-friction top
- No lubrication needed
- Modular setup

“THE HEAVY DUTY CONVEYOR, DESIGNED FOR HIGH CAPACITY TRANSPORT BOTH VERTICALLY AND HORIZONTALLY”

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LOW FRICTION

The JP HD is centre-driven by a strong stainless-steel chain link. The friction coefficient is reduced to a minimum by using guide bearings in the middle of the belt.



TECHNICAL SPECIFICATIONS

JPHD SPIRAL

- Heavy loads of up to 45 kg/m
- Spiral for elevation and descending (or reversible)
- High belt speeds of up to 35 m/min

HIGH CAPACITY BELT STRONG DURABLE AND RELIABLE

FULL-WIDTH ROD PREVENTS BELT BREAKAGE AND FLIPPING

The plastic panels of the belt are fixed over the full width of the belt with a 6 mm stainless-steel rod. This design ensures a flat belt surface and prevents belt panels from breaking out. Guide bearings at both sides prevent flipping of the belt. This belt design reduces the risk of unexpected breakage and makes the JP HD a very reliable conveyor.

GLASS FIBRE-REINFORCED POLYAMIDE BELT PANELS

To prevent wear during heavy-duty use the JP HD belt panels are made of glass fibre-reinforced polyamide. The excellent wear resistance is perfect for transporting products such as bottles and cases. Friction top for conveying slick products JP HD spirals are available with a friction top conveyor belt for elevation of slick products such as plastic or frozen items. The anti-slide is made of Desmopan. This strong material with a soft touch is durable and long-lasting.

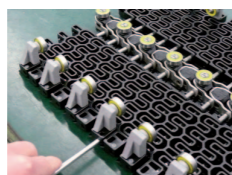
ONE DRIVE

JP HD Spirals and conveyors need only one drive. The drive is connected to the belt with a strong stainless-steel link chain.

EASY BELT SEPARATION AND JOINING

THE JP HD BELT IS EASY TO SEPARATE AND JOIN. THIS MAKES RETRO-FITTING SIMPLE AND REDUCES DOWN-TIME.

REMOVE ROD



Remove plug



Push rod out

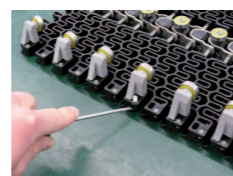


Remove rod

INSERT ROD



Place rod



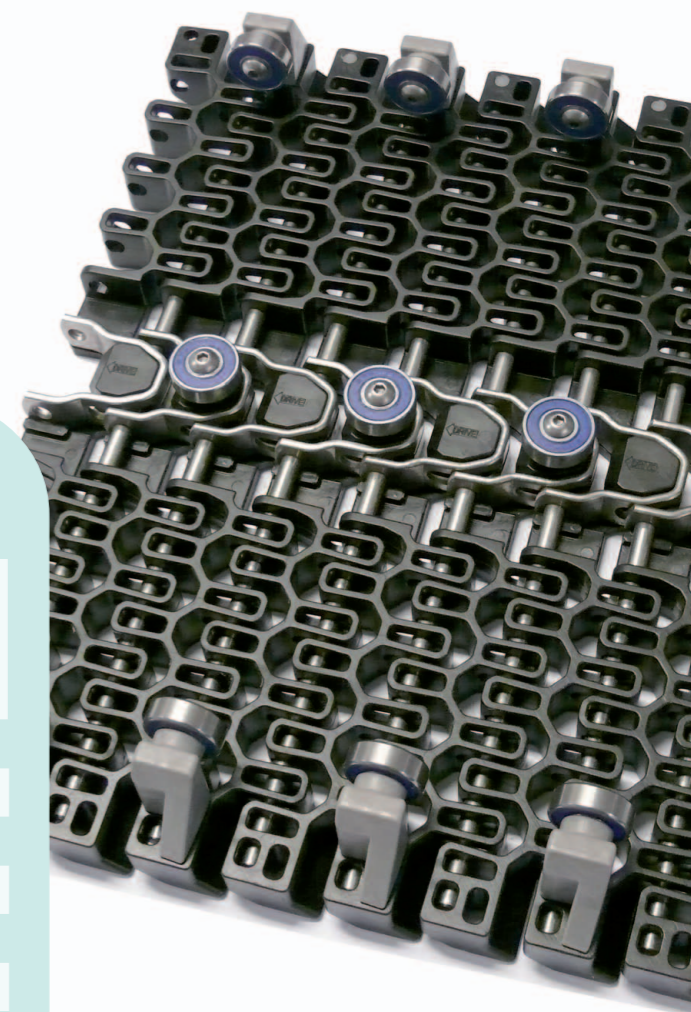
Push rod through



Place plug

TECHNICAL SPECIFICATIONS

Belt	PA6 Glass fibre reinforced Polyamide Stainless-steel rods and links Desmopan anti-slide (option)
Belt width	308 mm (12")
Belt pitch	27.4 mm (1.08")
Belt thickness	19 mm
Rod diameter	6 mm Stainless steel
Inside belt radius	500 mm
Outside belt radius	808 mm
Guide bearing middle	Stainless steel 627-2RS (Ø 22)
Guide bearing outside	Stainless steel 627-2RS (Ø 22)
Frame material	Stainless steel or painted steel
Sprocket	Z = 14, Acetal (POM), Stc = 123.13
Max. belt speed	35 m/min
Temperature range	0 - 60 °C
Drive method	Sprockets (positive driven)



JP HD Spiral Stainless Steel

JP HD FOR HEAVY LOADS AND HIGH-CAPACITY CONVEYANCE

HIGH-CAPACITY CONVEYING

The JP HD is designed for heavy-duty conveying of unit loads. The rigid construction and the strong hybrid belt allow for high-capacity conveying. This makes the JP HD ideal for highly demanding industries such as the beverage industry for example bottling and canning industry and breweries.

FLAT BELT SURFACE FOR A VARIETY OF LOADS

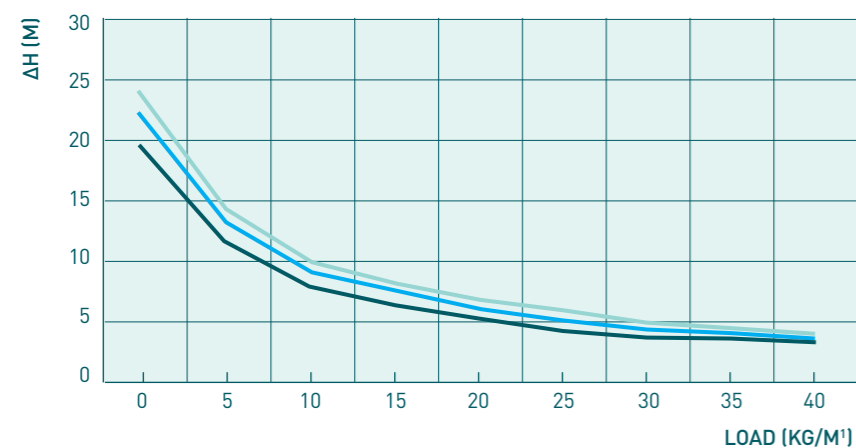
The conveyor belt used in the JP HD series combines plastic panels with stainless-steel rods. This design provides a very smooth and efficient conveying surface. The strength of the hybrid belt without the use of slats makes the JP HD suitable for a wide variety of load types and sizes.

FULL STAINLESS STEEL: EASY TO WASH DOWN

JP HD spirals and conveyors have a full stainless-steel construction. As the framework, belt links, rods and bearings are all stainless steel, the conveyor can easily be washed down. This makes the JP HD a hygienic conveyor to work with.

QUICK SCAN JP HD SPIRAL

MAX. ΔH AT GIVEN LOAD AND ANGLE AT R2



USE THE QUICK SCAN FOR THE IDEAL CONFIGURATION

The JP HD quick scan shows in a glance which configurations fits best in your situation.

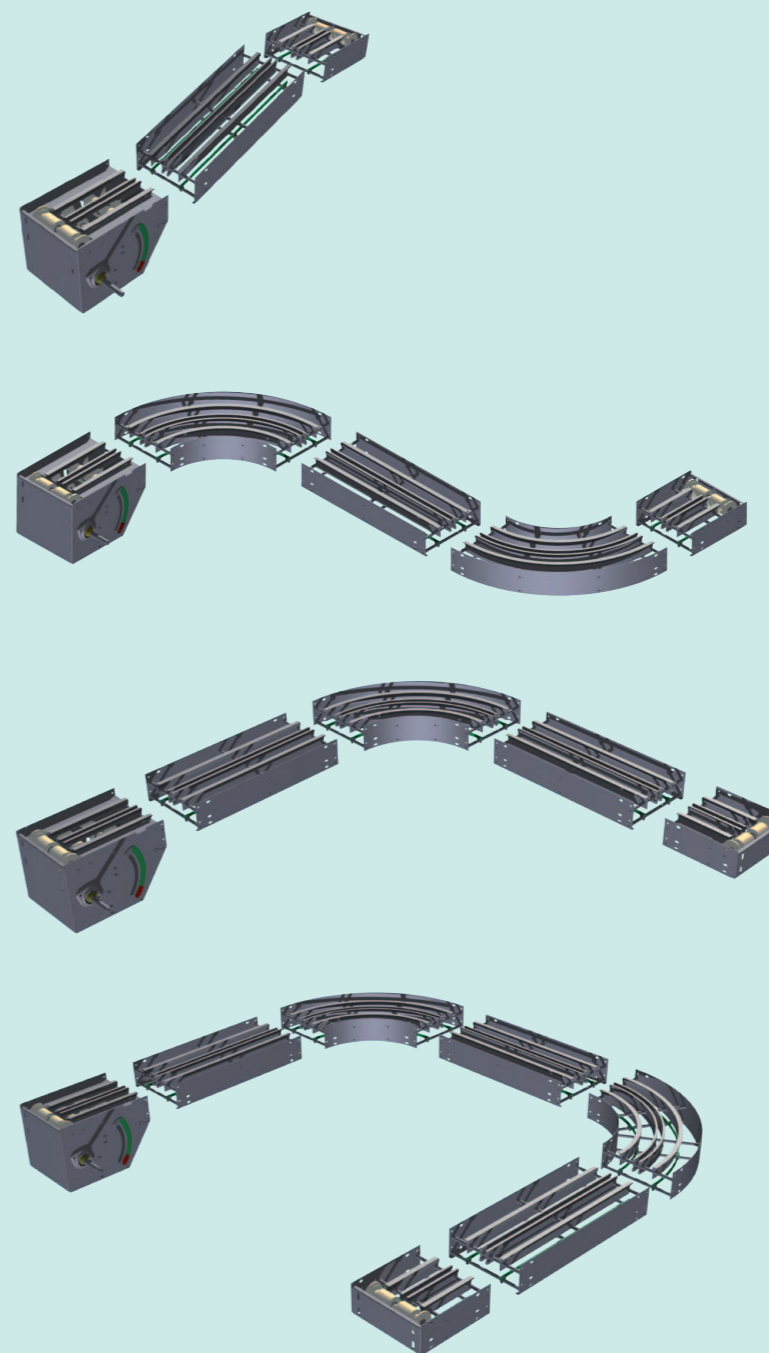
- Angle α2 8
- Angle α2 10
- Angle α2 12

“THANKS TO THE MODULAR SETUP YOU CAN CONFIGURE JP HD TO FIT IN THE LAYOUT OF PRACTICALLY EVERY PRODUCTION AREA”

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VARIOUS CONFIGURATIONS

Thanks to the modular setup you can configure JP HD to fit in the layout of practically every production area.



SPIRAL CONFIGURATIONS



CONVEYORS TO IMPROVE YOUR EFFICIENCY

JONGE POERINK CONVEYORS DESIGNS AND BUILDS CONVEYORS TO OPTIMISE YOUR PRODUCT FLOW. BASED ON MORE THAN 80 YEARS OF EXPERIENCE IN INNOVATING EFFICIENCY, OUR CONVEYORS HELP TO OPTIMISE THE THROUGHPUT OF YOUR PRODUCTION LINE AND IMPROVE YOUR YIELD.