

# *Aluminium Track System*

**KHC**

Lifting and Crane Technology

## KHC aluminium track system installation

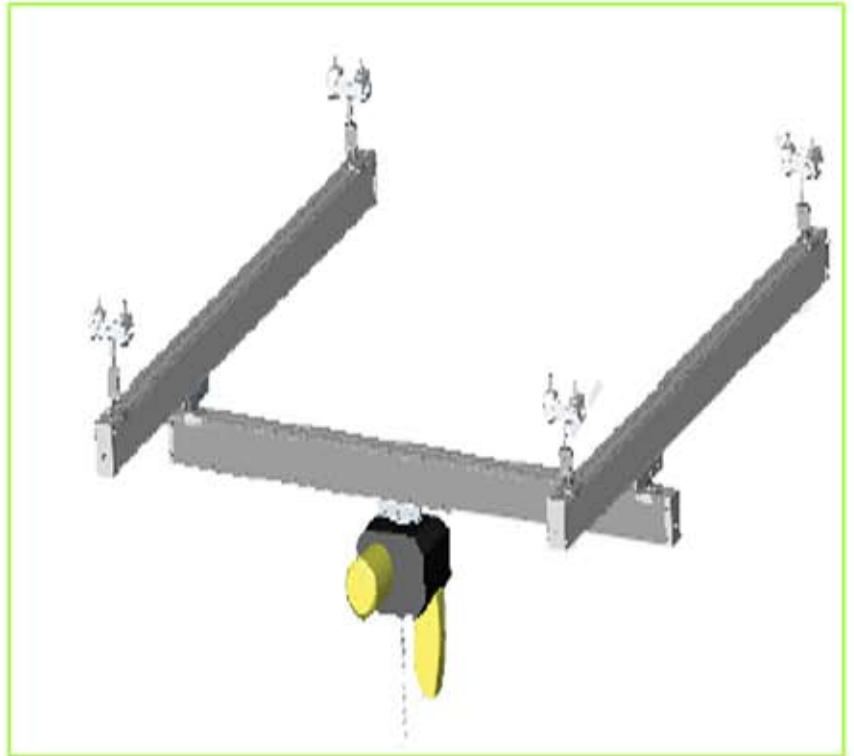
### Individual solutions

KHC aluminium track system has been newly developed to meet and exceed the specific requirements of demanding industries, such as the automotive, food and aerospace sector.

KHC offers the light weight, modular assembled, low friction, ergonomic and user friendly aluminium track system.

KHC aluminium track system can be built in facilities where the workshop ceiling and roof structures can be utilised as the basis to support the track system. Support structures can also be tailored to meet situations where this is not possible.

The track is then assembled from modular components to suit specifications. This can include hoist runways following a specific path, or longitudinal beam arrangement.



### The KHC aluminium track system advantages

Light weight, strong and ergonomic with less than 1% rolling resistance.

Precise and smooth running surface free of steel scale and paint.

Modular and flexible with bolted construction; no welding required.

Clean, quiet and maintenance free operation. No lubrication required and no corrosion.

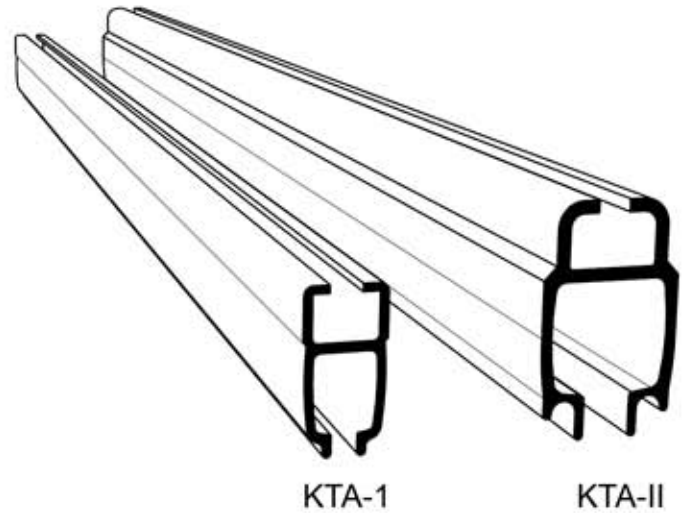
High safety - designed to meet or exceed all national standards.

## Quality Aluminium Track System

KTA-I and II aluminium tracks are two different sizes to meet your specific material handling needs. The enclosed track design reduces the accumulation of dirt and grime on the internal rolling surface, thus minimise rolling friction and operator effort. Operation of up to 2,000kg is possible.

KTA-I: Available in length up to 6m

KTA-II: Available in length up to 7m



## Power supply

Air systems can be supplied by compressed air of 85 to 100 PSI. An easy-running trailing helical cable is often used.

Electrical power supply is preferably by means of flat festoon cables running on trailing trolleys.

With more than two cranes on a runway or more than two travelling hoists on a monorail and in the case of track systems with switches or turntables devices power supply is via conductor bars to the collector trolley.



## Suspension

KHC Aluminium Track System installations are of modular design. The basic construction kit consists of simple, well engineered components. Standardised dimensions ensure rapid erection and allow existing installations to be easily modified or extended just as easily. There are three main types of suspension kits to meet your needs.

## Safety

KHC is certified to ISO 9001.

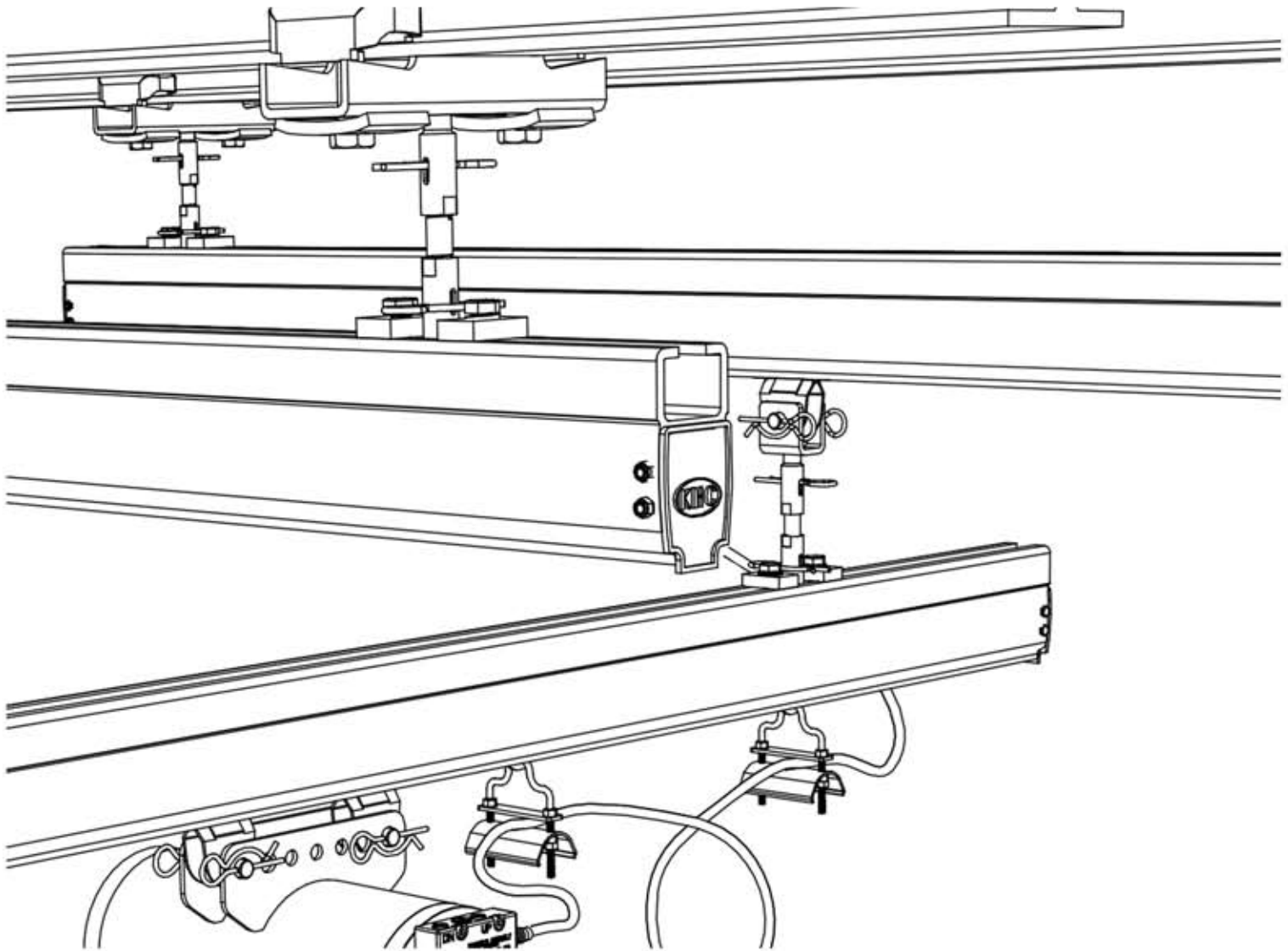
Deflection of the Aluminium track is designed to not exceed 1/500th the length of the span.

Redundant end cap is designed to increase safety.

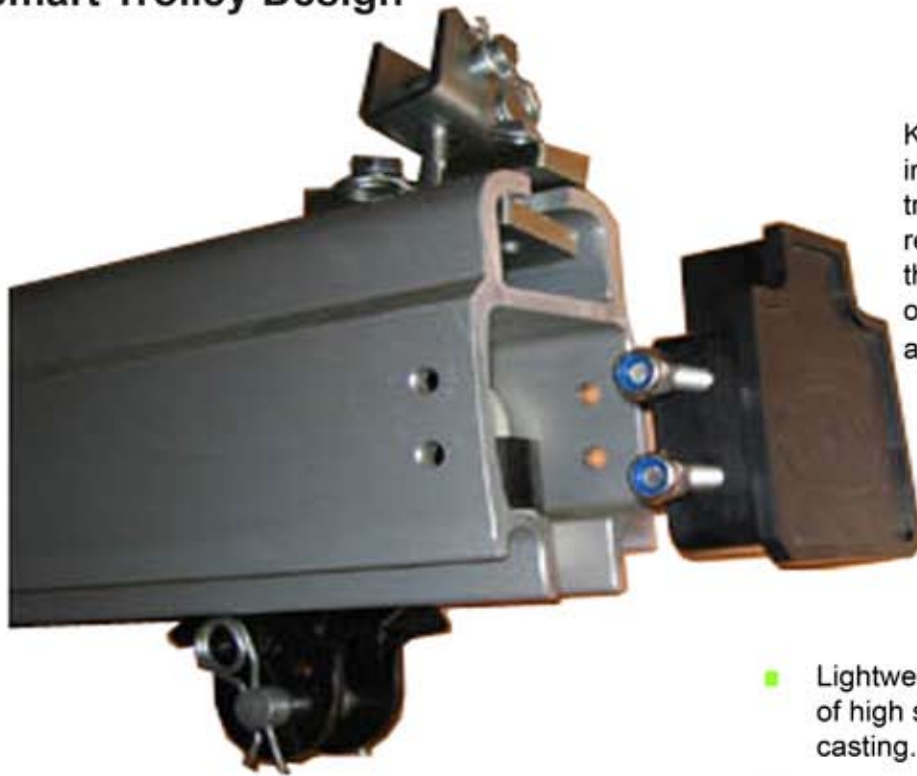
All hardware components have at least a 1.5 times safety factor

KHC Aluminium Track Systems provide for easy expansion and modification of existing lines, comfortable and easy operation and free of operating noise during travel.

KHC Aluminium Track Systems offer flexibility against building obstruction. It has simple, fast and safe installation especially over conventional welding construction.



## Smart Trolley Design

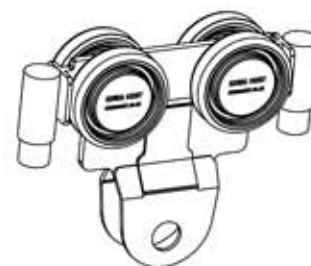
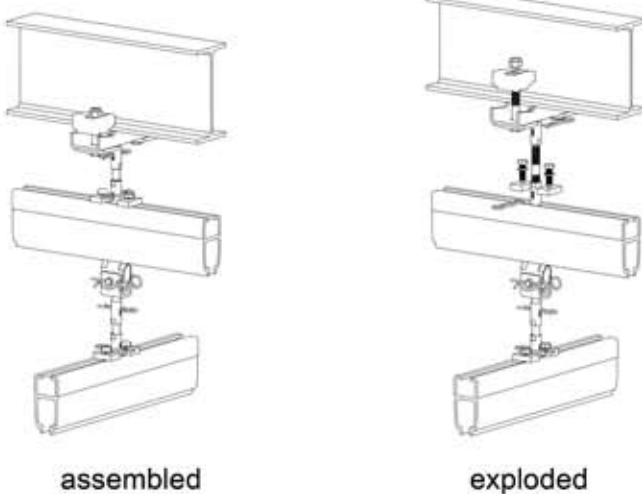


KHC trolleys are designed to work in conjunction with the aluminium track to reduce the rolling effort required to move the load. Thanks to the low rolling friction only one percent of the weight of the load needs to be applied to moving the load.

- Sealed precision bearings: ball bearings are used in wheels and side guide rollers which provide long life service and reduce maintenance.

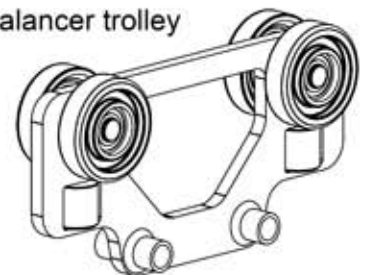
- Lightweight: trolleys are primarily made of high strength aluminium-magnesium casting.
- Safety pin: prevents the loss of the bolt, enhancing the safety of the trolley.
- Injection molded wheels: the polymer wheels are durable, clean and resist flat spots.

### Track suspension fittings



Standard trolley

Air balancer trolley

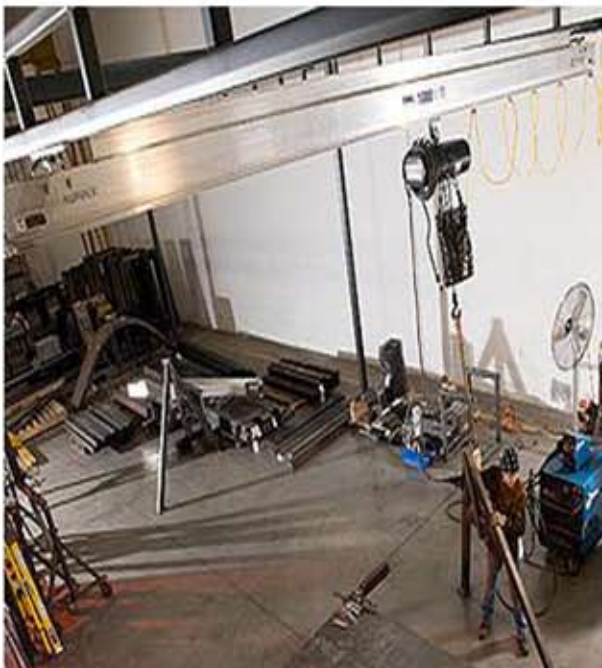


## Complete

You can count on KHC to provide complete market performance in the entire field of in-house goods handling. As specialists in crane and lifting technologies we offer all-round solutions.

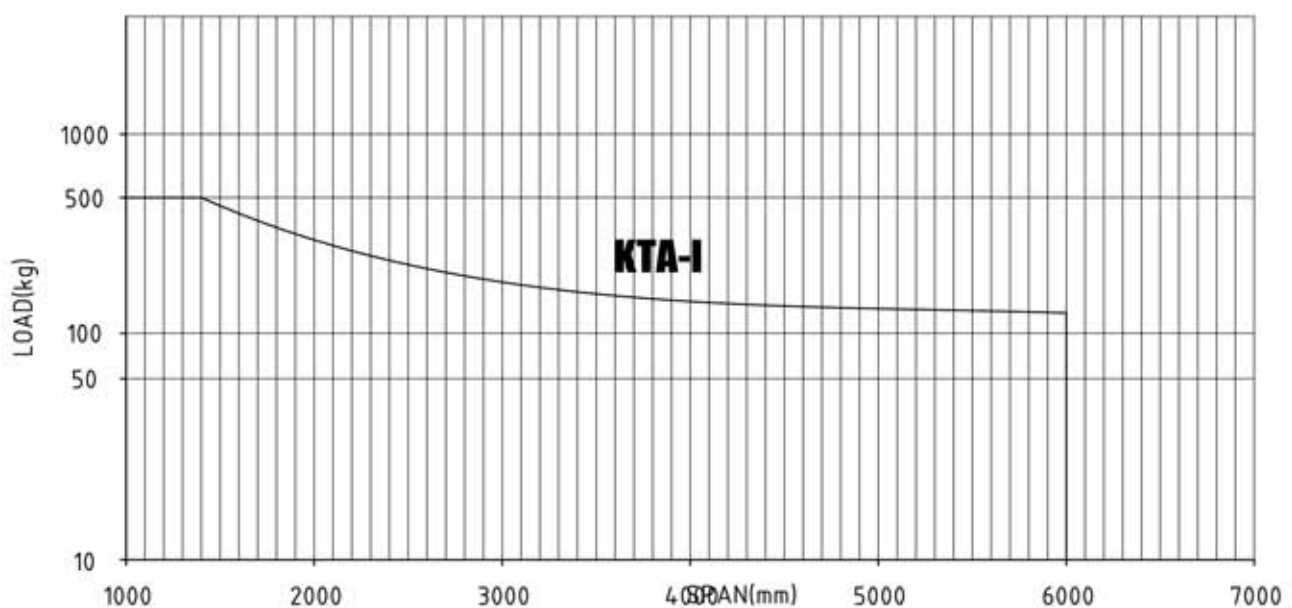
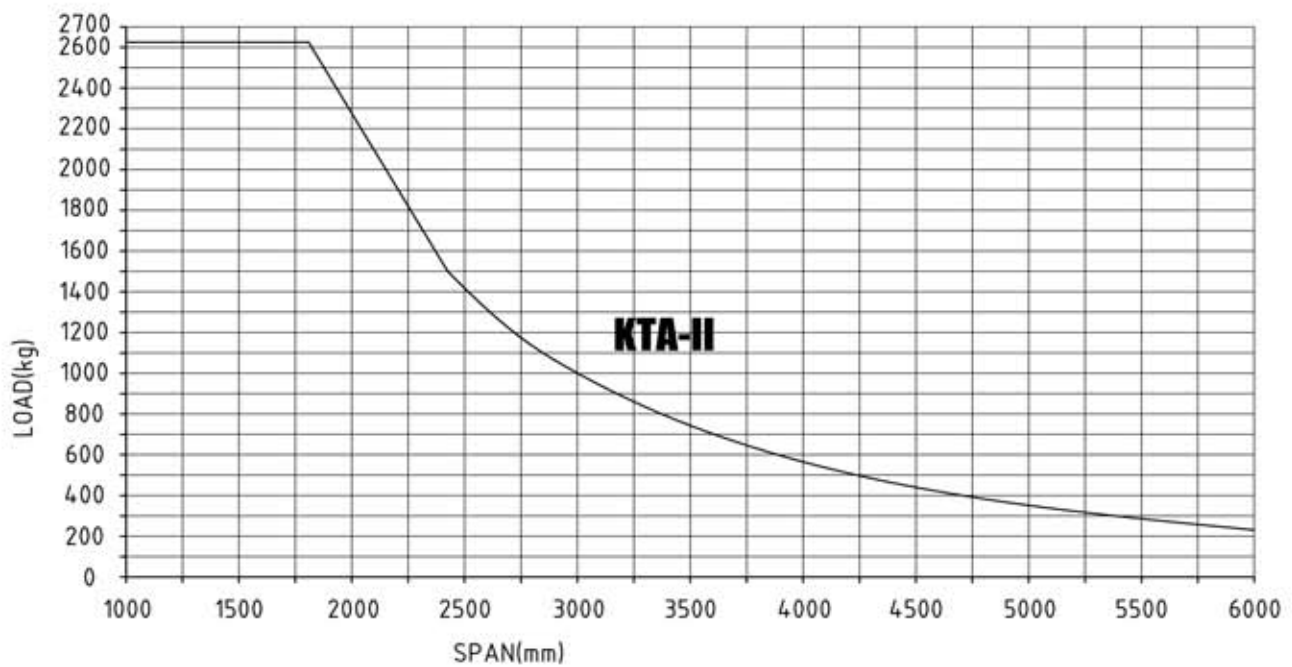
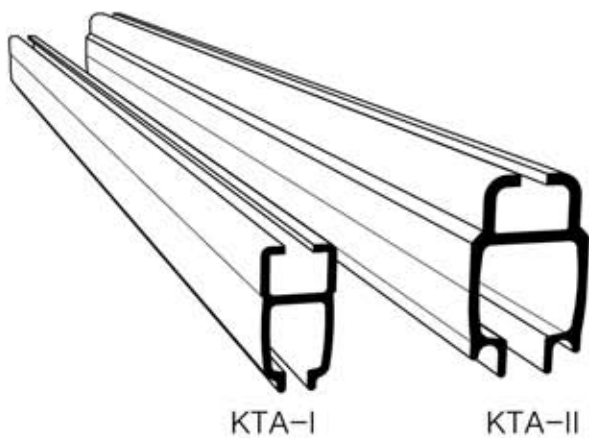
## Reliable customer service

It is comforting to be able to rely on a flawless maintenance and repair service without any ifs or buts. The KHC customer service is there to support you quickly and effectively, whatever your need may be.



# Aluminium Track System

Diagram: Spacing between supports, spans



Note: specification are subject to change without prior notice



Pioneer, One Source, One Responsibility  
for Material Handling System



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