ERIKKILA

LIGHT CRANES

LIFTING EXCELLENCE THROUGH INNOVATION AND QUALITY

ERIKKILA LIGHT CRANE SOLUTIONS STAND FOR QUALITY, INNOVATION AND SAFETY

Founded in 1912 in Vyborg, Finland, Erikkila has specialized in lifting solutions since 1976, developing the Prosystem light crane system. A pioneer in the industry, the company introduced the low headroom bridge design and patented the overload indicator for light cranes.

With headquarters and production located in Masala, Finland, all light cranes, jib cranes, and movable cranes are made from European-sourced materials and comply with strict quality standards.With 100+ partners in 40 countries, customers are supported worldwide.

Erikkila's light crane systems are designed for workstations and production lines, offering lifting capacities of up to 2,000 kg. As part of the Kito Crosby Group, the company continues to lead in safety, reliability, and innovation.

Column Jib Crane
(overbraced steel)

ERIKKILA PRODUCTS

Movable portal cranes offer flexibility and mobility, making them perfect for production facilities where fixed cranes are unavailable or impractical. Easy to relocate, they provide an adaptable lifting solution across multiple workstations.

Bridge cranes and hoist tracks are user-friendly workstation solutions offering wide work area coverage. Designed for effortless operation, they ensure smooth and precise load handling.

Jib cranes provide versatile and durable lifting solutions, with options for wall- or floor-mounting. Ideal for production, assembly, and maintenance, they integrate seamlessly into most facilities.

Double Girder Crane
(steel bridge & track)

Movable Workstation Crane
(one bridge)

MODULAR LIGHT CRANE SOLUTIONS

SAFE, EFFICIENT AND ERGONOMIC MATERIAL HANDLING

MODULAR LIGHT CRANE SOLUTIONS

Erikkila light cranes are modular, flexible, and easily tailored to suit a wide range of lifting needs across industries. Built from standard components, they offer a cost-effective and scalable solution that grows with your operations.

ERGONOMIC AND EASY TO USE

Designed with user-friendliness in mind, these workstation cranes are smooth to operate and require minimal force. The trolley automatically centers the load, reducing swinging and enabling quick, precise, and safe load handling.

CEILING-MOUNTED OR FREESTANDING

Cranes can be mounted to the ceiling or installed on a freestanding support frame. Suspensions connect the crane rails to the structure and are available as rigid or articulated types. All suspension types are height-adjustable and compatible with various ceiling designs and distances.

ROBUST YET LIGHTWEIGHT DESIGN

Erikkila profiles offer an exceptional weight-to-capacity ratio. Their enclosed steel construction protects internal components from dust and damage, while the powder-coated finish ensures long-term durability and a premium appearance.

PRECISE AND EFFICIENT INSTALLATION

Chamfered connection tubes and smooth profile ends facilitate fast and accurate assembly. Joints align automatically and retain their fit over a lifetime without the need for adjustments.

SINGLE AND DOUBLE GIRDER CRANES

Single girder systems support loads up to 1500 kg, while double girder systems handle up to 2000 kg. Double girder cranes offer increased lifting height and higher capacity.

Cranes can be manually operated or equipped with electric trolley and bridge travel, combined with a chain hoist for efficient lifting.

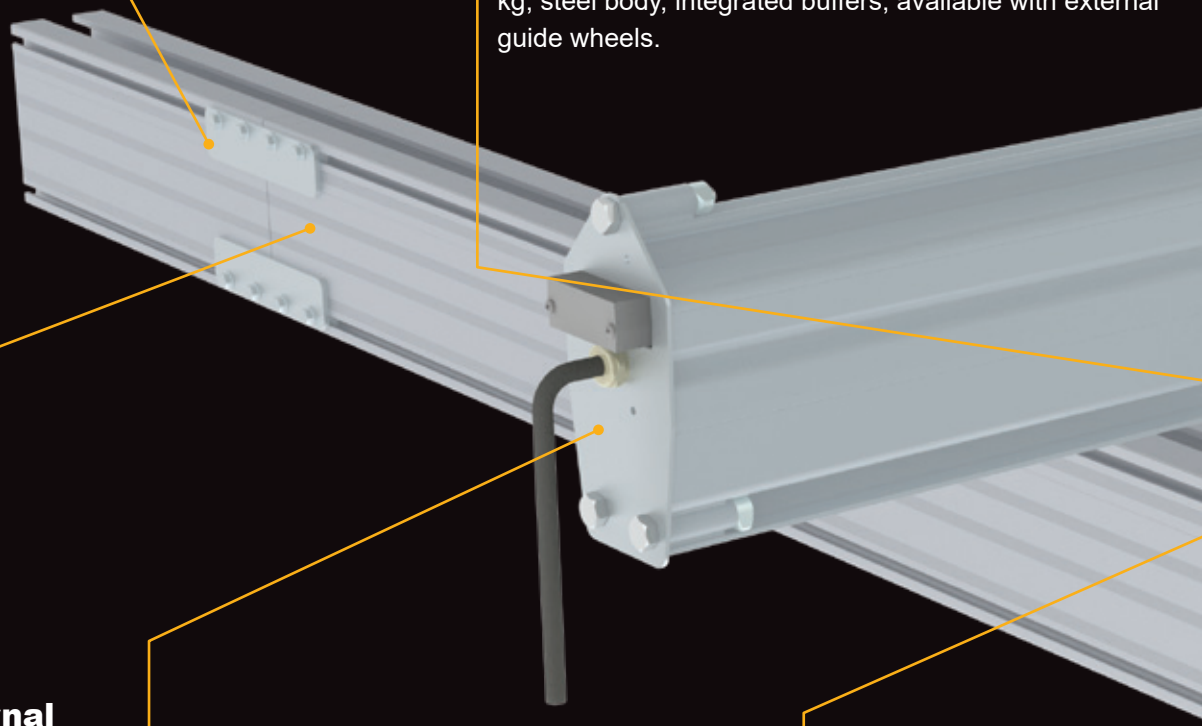
LOW HEADROOM CRANES

Low-headroom cranes are ideal for spaces with height restrictions. The bridge profile is raised between the tracks to maximize the available lifting height without compromising functionality.

A PERFECT UNION OF STEEL AND ALUMINIUM

Strong (two types) aluminium profile joints that secure the profiles together

Trolley for steel profiles ensures minimum rolling resistance. Max. load 800 kg, steel body, integrated buffers, available with external guide wheels.

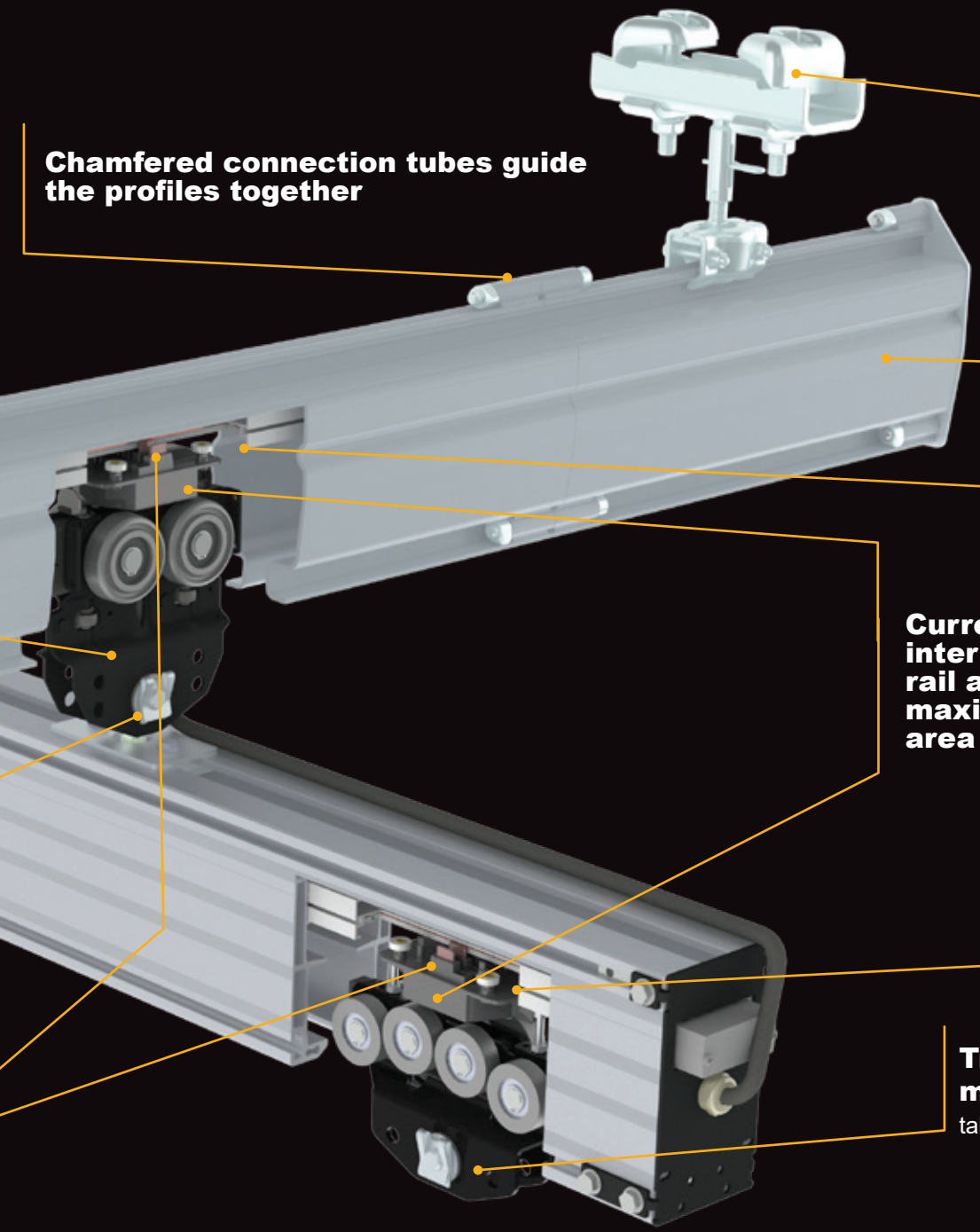


Optimised range of aluminium profiles that can take up to 500 kg upward forces with a standard trolley

Strong steel end plate with openings for internal conductor rail and flat cable power supply

Articulated bridge suspension ensures smooth crane operation

Current collector with guide wheels and optimally spring-loaded carbon brushes ensures light movements with minimum wear.



Chamfered connection tubes guide the profiles together

Wide range of standard suspensions for every ceiling type

Optimised steel profiles with world-class weight-carrying capacity ratio.

Current collector for internal conductor rail above trolley maximises working area

The profile protects the internal conductor rail and current collector from dirt.

Trolley for aluminium profiles ensures light movements. Max. load 600 kg, steel body, integrated buffers, takes upward forces.


ERIKKILA
1000kg
KITO 1t

HOIST TRACKS

FOR FLEXIBLE MATERIAL HANDLING

Hoist tracks are ideal for long production lines, offering efficient and adaptable load handling. They can be equipped with curves, turntables, and track switches to suit a wide range of layouts and workflows.
Tracks can be operated manually or fitted with motorised trolley movement. They are typically paired with an electric chain hoist for efficient lifting.

Steel hoist tracks with capacities of up to 1250 kg can be fitted with curves that connect seamlessly with straight or curved sections, enabling fully customized and space-efficient handling systems.

SINGLE TRACK (STEEL)

Standard range*:
Rated capacity… 50 – 1500 kg
Hoisting…… 5 m

SINGLE TRACK (ALUMINIUM)

Standard range*:
Rated capacity… 50 – 1000 kg
Hoisting…… 5 m

CURVED TRACK (STEEL)

Standard range*:
Rated capacity……. 50 – 1250 kg
Radius…… 1500 mm
Hoisting……5 m
Curves…… 15°, 30°, 45° (other available)

*Other options available as tailored solutions.

STANDARD LIGHT CRANES

VERSATILE AND ERGONOMIC LIGHT CRANES

Single- and double-girder light cranes are ideal workstation solutions, offering wide coverage and smooth, precise load handling. The trolley automatically centres the load, reducing sway and improving safety.

Systems can be ceiling-mounted or installed with a freestanding support frame. Minimal effort is required from the operator, ensuring ergonomic and efficient operation.

Their modularity, ease of installation, and efficient load handling make light cranes an optimal solution across diverse industrial environments.

Single girder crane
(steel bridge and track)

Standard range*:
Rated capacity… 50 – 1500 kg
Span…… 2 – 8 m
Hoisting…… 5 m

Single girder crane
(aluminium bridge and track)

Standard range*:
Rated capacity… 50 – 1000 kg
Span…… 2 – 7,8 m
Hoisting…… 5 m

Double girder crane
(steel bridge and track)

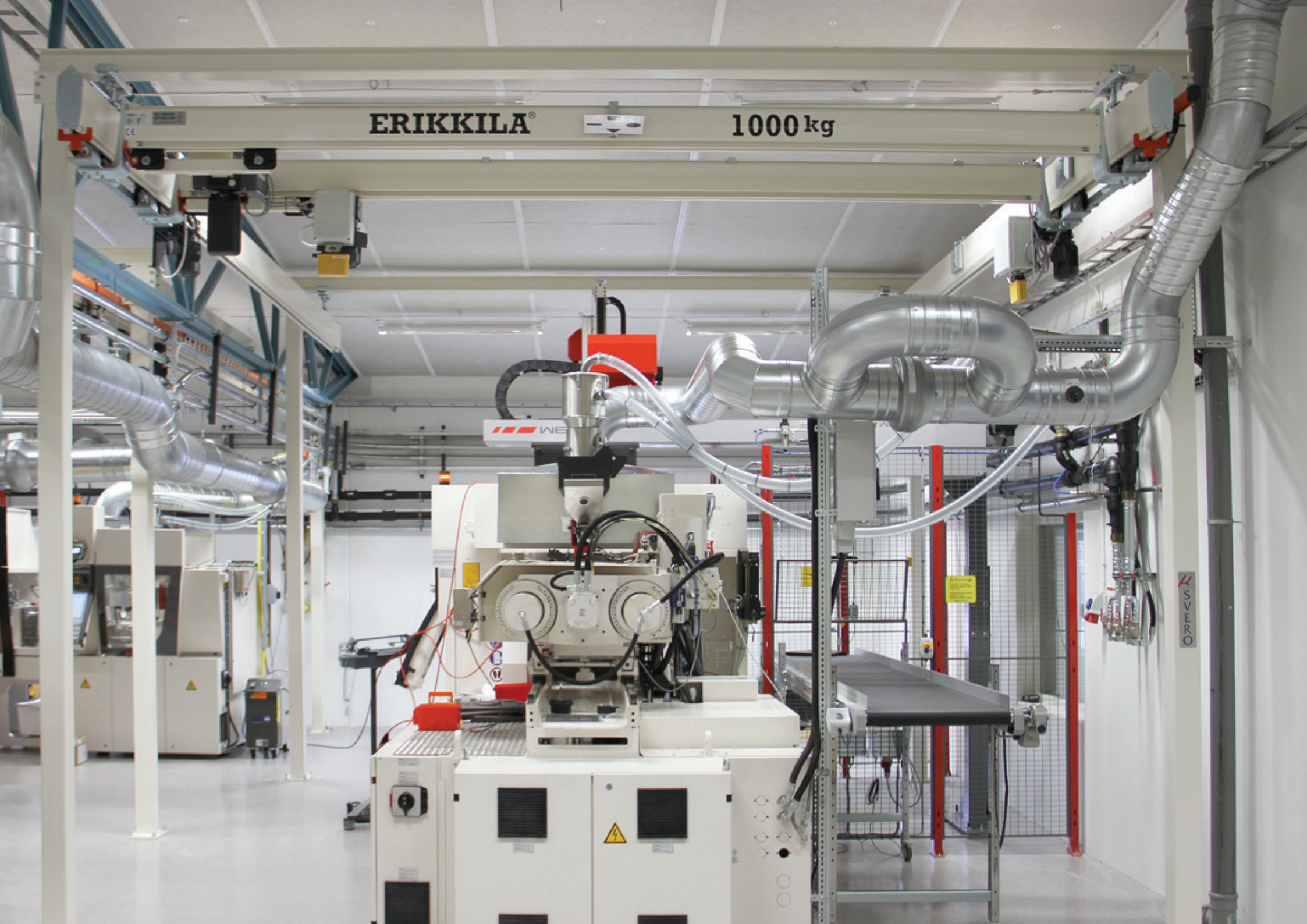
Standard range*:
Rated capacity… 125 – 2000 kg
Span…… 2 – 8 m
Hoisting…… 5 m

Double girder crane
(aluminium bridge and track)

Standard range*:
Rated capacity… 125 – 1000 kg
Span…… 2 – 7,8 m
Hoisting…… 5 m

*Other options available as tailored solutions.


ERIKKILA
250kg
ERIKKILA
250kg
ERIKKILA
250kg


ERIKKILA®
1000 kg
SVERO

LOW-HEADROOM LIGHT CRANES

EFFICIENT USE OF VERTICAL SPACE

Optimised for maximum lifting height, low-headroom single and double-girder cranes are ideal for spaces with height restrictions. The bridge profile is elevated between the tracks, allowing full use of the available lifting range — a smart solution for compact production environments.

Single girder crane
(steel bridge and track)

Standard range*:
Rated capacity… 50 – 1500 kg
Span…… 1 – 8 m
Hoisting…… 5 m

Single girder crane
(aluminium bridge and track)

Standard range*:
Rated capacity… 50 – 1000 kg
Span…… 1 – 8 m
Hoisting…… 5 m

Double girder crane
(steel bridge and track)

Standard range*:
Rated capacity… 125 – 2000 kg
Span…… 1 – 8 m
Hoisting…… 5 m

Double girder crane
(aluminium bridge and track)

Standard range*:
Rated capacity… 125 – 1000 kg
Span…… 1 – 8 m
Hoisting…… 5 m

*Other options available as tailored solutions.

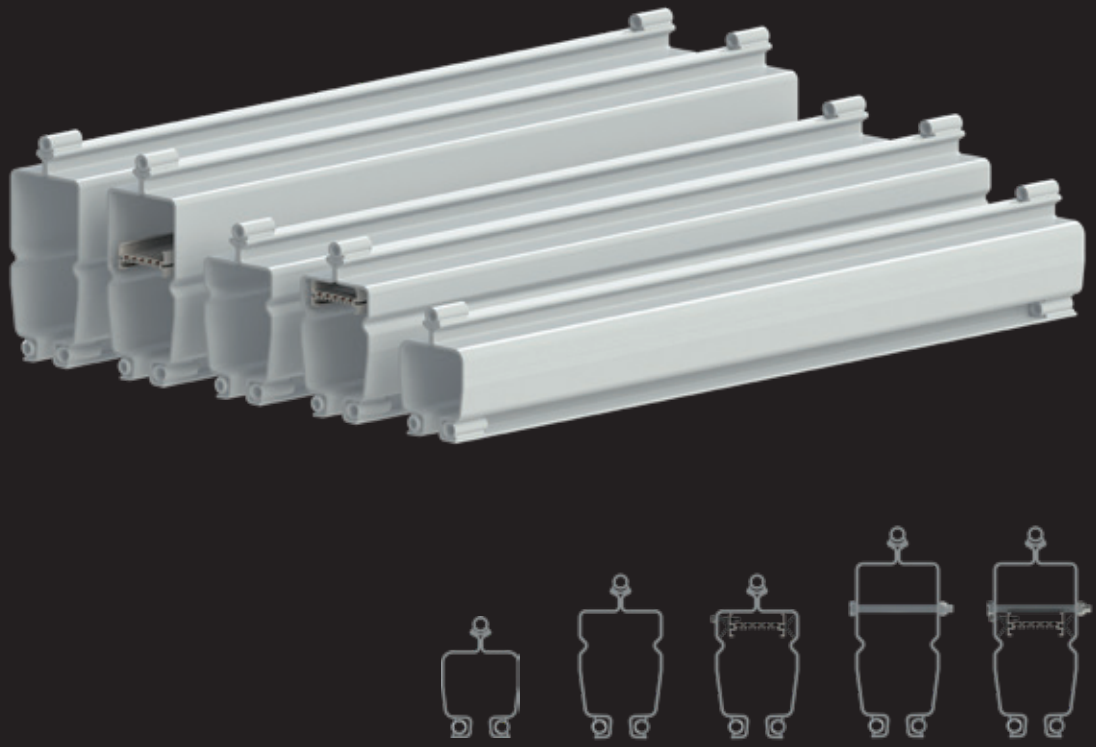
PROFILES

STEEL PROFILES – STRONG, PRECISE, AND BUILT FOR DEMANDING LOADS

Steel profiles are available in three sizes: S140, S200, and S260. Made from high-tensile steel, they are designed to handle higher stresses and larger suspension loads. When equipped with an SW trolley, the profiles can support upward forces of up to 300 kg.

Each profile is precision-rolled from a single steel sheet, with tight tolerances and individual quality checks for cambering and opening to ensure consistent performance.

With an exceptional strength-to-weight ratio, these profiles are ideal for heavy-duty applications. S200 and S260 profiles can also be fitted with an internal conductor rail (ICR) for a streamlined power supply.



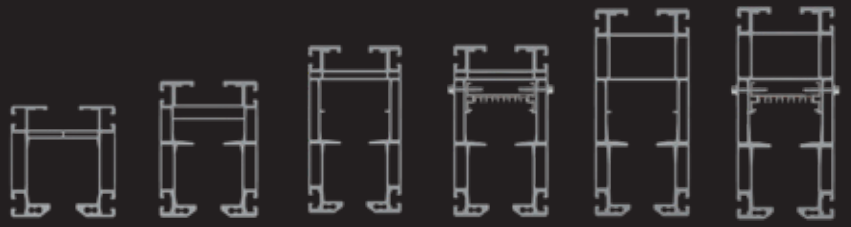
PROFILE	S140	S200	S200 ICR	S260	S260 ICR
PROFILE HEIGHT (mm)	140	194	194	254	254
PROFILE WIDTH (mm)	100	108	108	108	108
WEIGHT (kg/m)	12,8	18,1	19,0	22,0	22,9
INTERNAL CONDUCTOR RAIL	No	No	Yes	No	Yes

ALUMINIUM PROFILES – LIGHTWEIGHT, STRONG, AND SMOOTH IN OPERATION

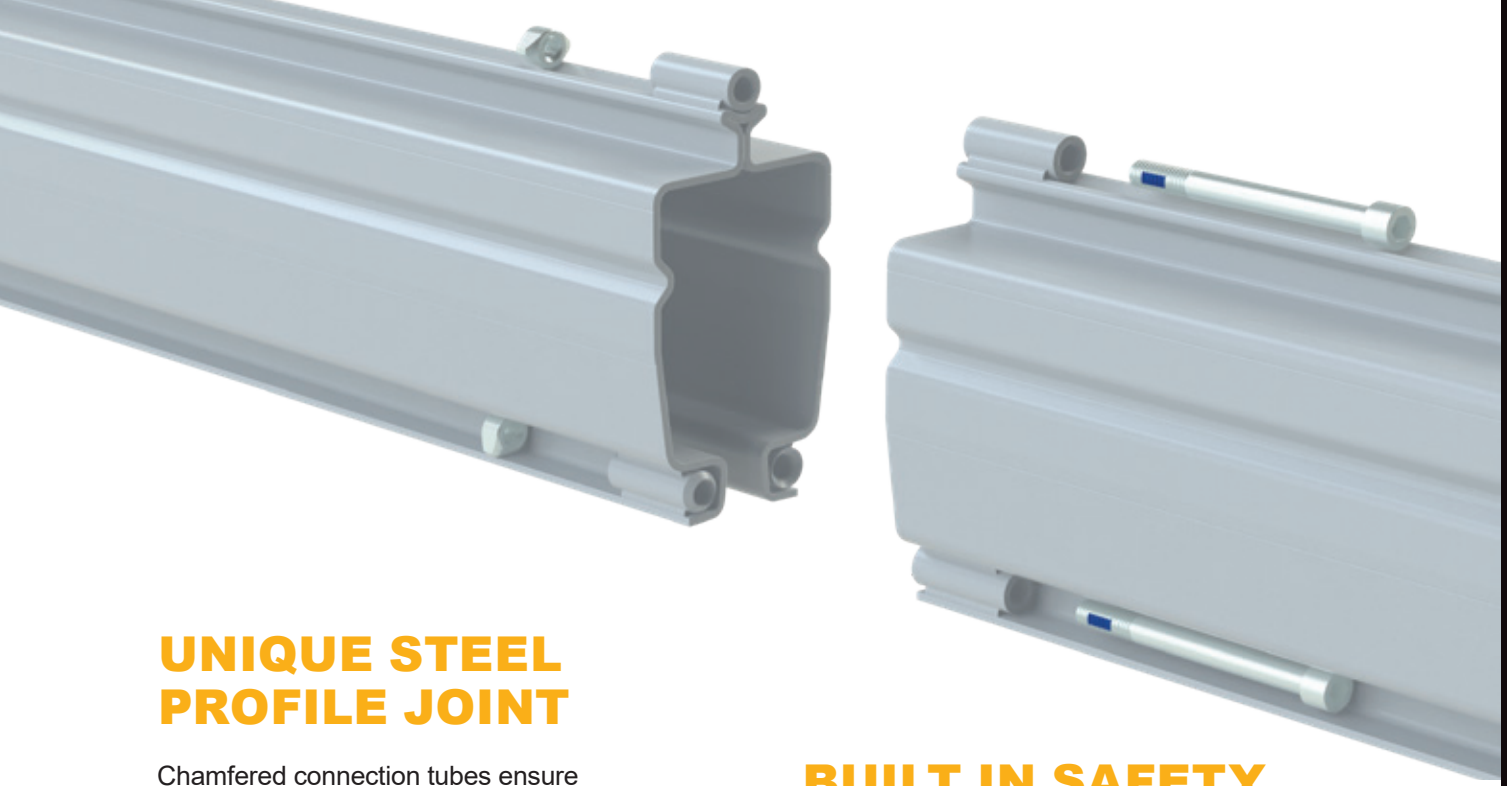
Aluminium crane profiles are available in four sizes: Alu 2/105, Alu 3/140, Alu 4/180, and Alu 5/220. Made from high-quality anodised aluminium, they offer excellent strength and durability while allowing smooth, effortless movement of the hoist and bridge.

Thanks to their optimised geometry, standard trolleys can support upward forces of up to 500 kg. Each profile includes unique ID stripes for easy identification and installation.

Standard lengths range from 2 to 8 metres. Alu 4/180 and Alu 5/220 profiles can also be equipped with an internal conductor rail (ICR) for a clean and efficient power supply.



PROFILE	Alu2/105	Alu 3/140	Alu 4/180	Alu 4/180 ICR	Alu 5/220	Alu 5/220 ICR
PROFILE HEIGHT (mm)	105	140	180	180	220	220
PROFILE WIDTH (mm)	100	100	100	100	100	100
WEIGHT (kg/m)	5,1	7,6	9,4	10,3	10,8	11,7
INTERNAL CONDUCTOR RAIL	No	No	No	Yes	No	Yes



UNIQUE STEEL PROFILE JOINT

Chamfered connection tubes ensure permanent alignment without the need for adjustments or special tools. No measurements are required — bolts tighten easily with a standard Allen key.

Anti-rotation nuts allow quick installation even in tight spaces. Precisely aligned joints ensure a smooth, quiet trolley ride. The profile can be connected in either direction — there‘s no need to flip it, ensuring fast installation, lasting durability, and optimal long-term performance.

BUILT IN SAFETY WITH OVERLOAD INDICATOR

Profile overload indicators enhance safety by visibly marking overload situations on single-girder cranes and hoist tracks up to 1000 kg, and on double-girder cranes over 1500 kg. For single-girder systems exceeding 1000 kg, an EGW (External Guide Wheel) trolley is used instead.

If the load exceeds the rated capacity, the indicator makes contact with the profile, leaving a visible scratch mark — a clear sign that the system has been overloaded.

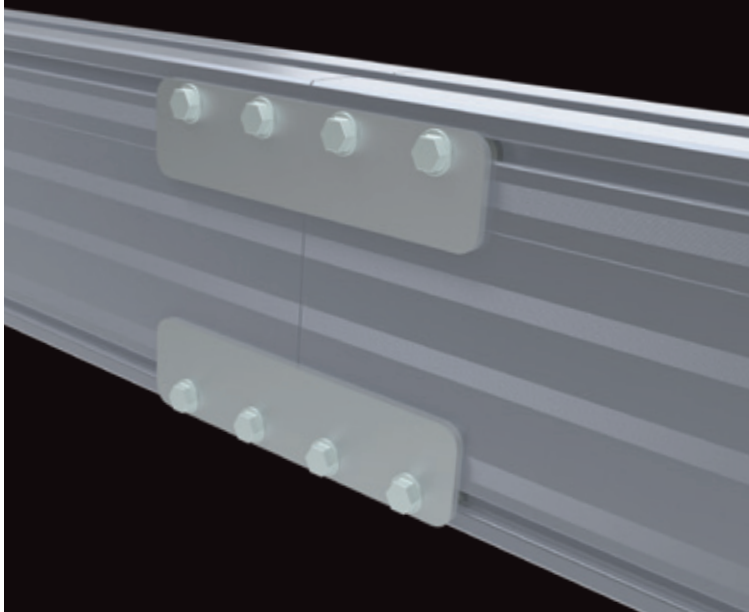
ALUMINIUM PROFILE JOINTS - STRONG AND SEAMLESS

The aluminium profile joint consists of two connection plates with bolts on both sides, ensuring a quick and secure installation, as well as a smooth trolley transition across the joint.

Two joint set sizes are available:

- For capacities up to 500 kg, each joint uses four bolts
- For capacities over 500 kg, 8 bolts per joint are used

This design guarantees strength and stability across all load classes.



S-trolley (standard)

S-trolley (EGW)

S-trolley (SW)

TROLLEYS

SMOOTH AND SILENT TROLLEY SOLUTIONS FOR ALUMINIUM AND STEEL PROFILES

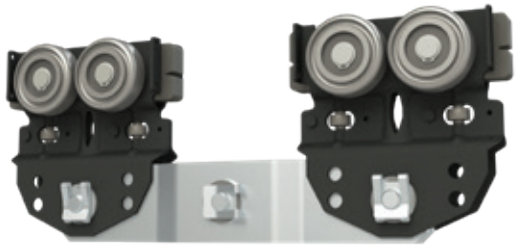
Steel trolleys ensure quiet operation, low rolling resistance, and effortless movement across both aluminium and steel profile systems. All trolleys feature integrated rubber buffers and low construction height, allowing maximum travel even with internal conductor rail (ICR) systems installed above the trolley in compatible profiles.

For aluminium profiles, a single trolley model fits all sizes and supports loads up to 600 kg. The eight-wheel design ensures smooth travel and prevents sticking. Trolley combinations enable rated capacities up to 1000 kg, and the system allows for 500 kg upward forces. Profiles can also be installed upside down, allowing the trolley to run on top.

For steel profiles, a single trolley design is used for S140, S200, and S260. It supports loads up to 800 kg, with combined trolleys allowing system capacities up to 2000 kg. Side rollers keep the trolley centred for smooth and stable movement.

Trolley type is selected based on crane configuration and capacity:

- The S-trolley (Standard) with bogie girder is used for single-girder cranes with rated capacities from 501 kg to 1000 kg.
- For double-girder cranes, two standard bogie trolleys are used, regardless of capacity.
- For single-girder systems exceeding 1000 kg, the External Guide Wheel (EGW) trolley is used, offering perfectly balanced and smooth motion. The EGW trolley is available only as a bogie.



S-bogie

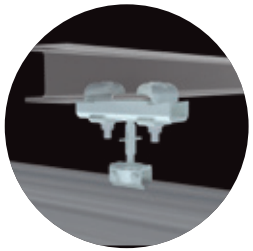
Aluminium trolley

SUSPENSIONS

Erikkila's light crane systems include a wide range of standard suspension options designed to suit various ceilings, columns, and profile types. These modular suspensions make it easy to create optimal combinations for each application.

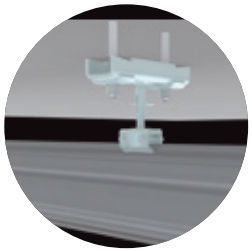
The articulated design allows movement in all directions, ensuring smooth, ergonomic, and lightweight crane operation.

A



I-BEAM SUSPENSION

B



FLAT CEILING SUSPENSION (BOLT-THROUGH)

C

SIDE SUSPENSION

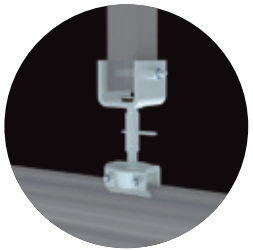
D

SHAPED CONCRETE BEAM SUSPENSION

E

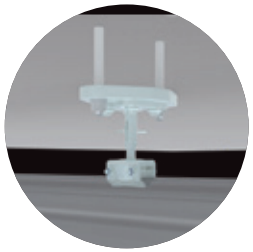
SIDE SUSPENSION FOR GLULAM BEAM

F



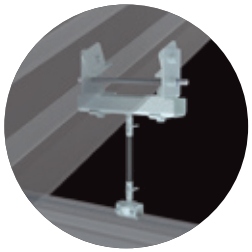
U-SUSPENSION FOR RHS PROFILE

G



FLAT CEILING SUSPENSION (ANCHORING)

H

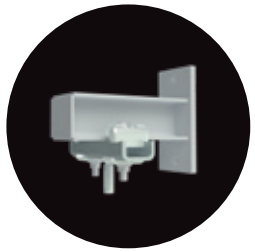


INCLINED I-BEAM SUSPENSION

R

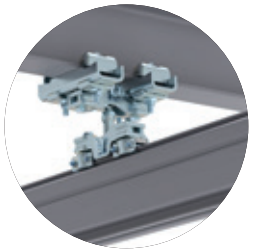
FIXED I-BEAM SUSPENSION

S



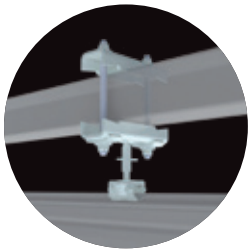
WALL CONSOLE SUSPENSION

AD



ARTICULATED DOUBLE SUSPENSION FOR I-BEAM

T



COLLAR SUSPENSION FOR CEILING BEAM


KITO ERIKKILA
1000kg

FREESTANDING LIGHT CRANE SYSTEM

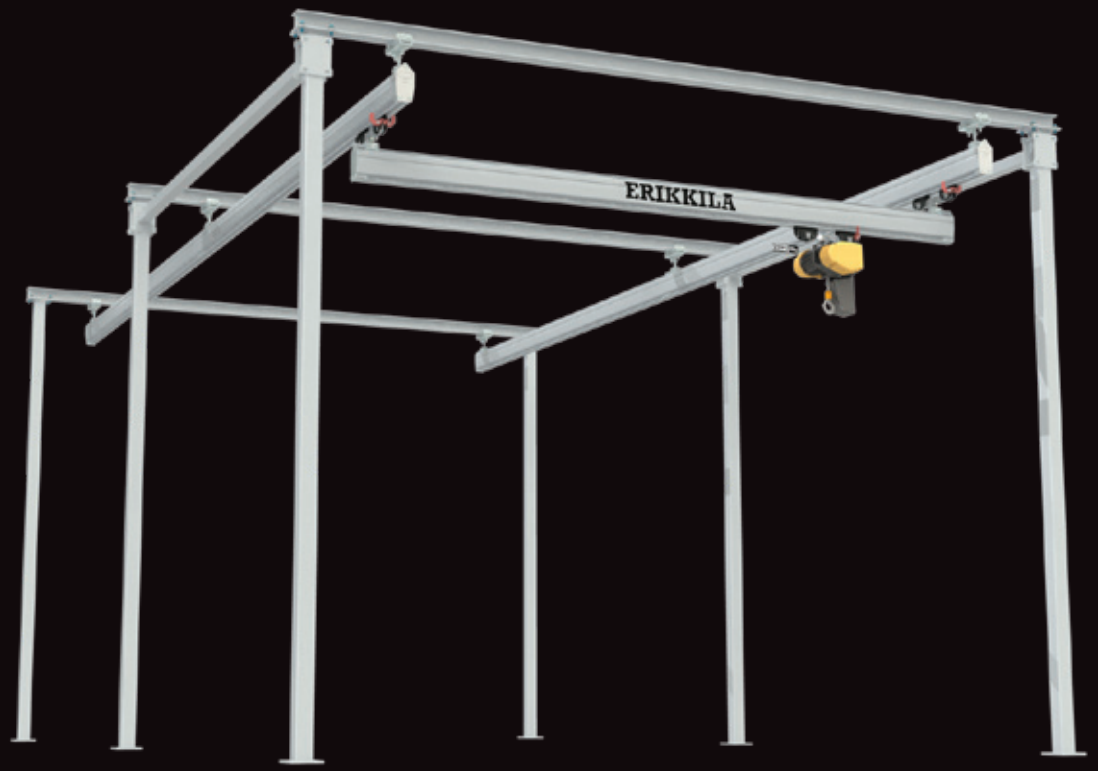
A freestanding support frame allows quick and flexible adjustments to the layout of your production line — ideal for facilities where the ceiling structure cannot bear crane loads. Because it is classified as a suspension system, the frame remains completely independent of the building structure. This also enables the integration of an overhead crane within the same facility without interference.

Engineered for smooth and precise load handling, the freestanding support frame is easy to install, optimises space usage, and helps boost overall productivity.

Standard sizes (maximum):

Rated capacity..... 2000 kg
Crane span..... 10 m
Height..... up to 6 m
Length..... from 4 m

Other options available as tailored solutions.



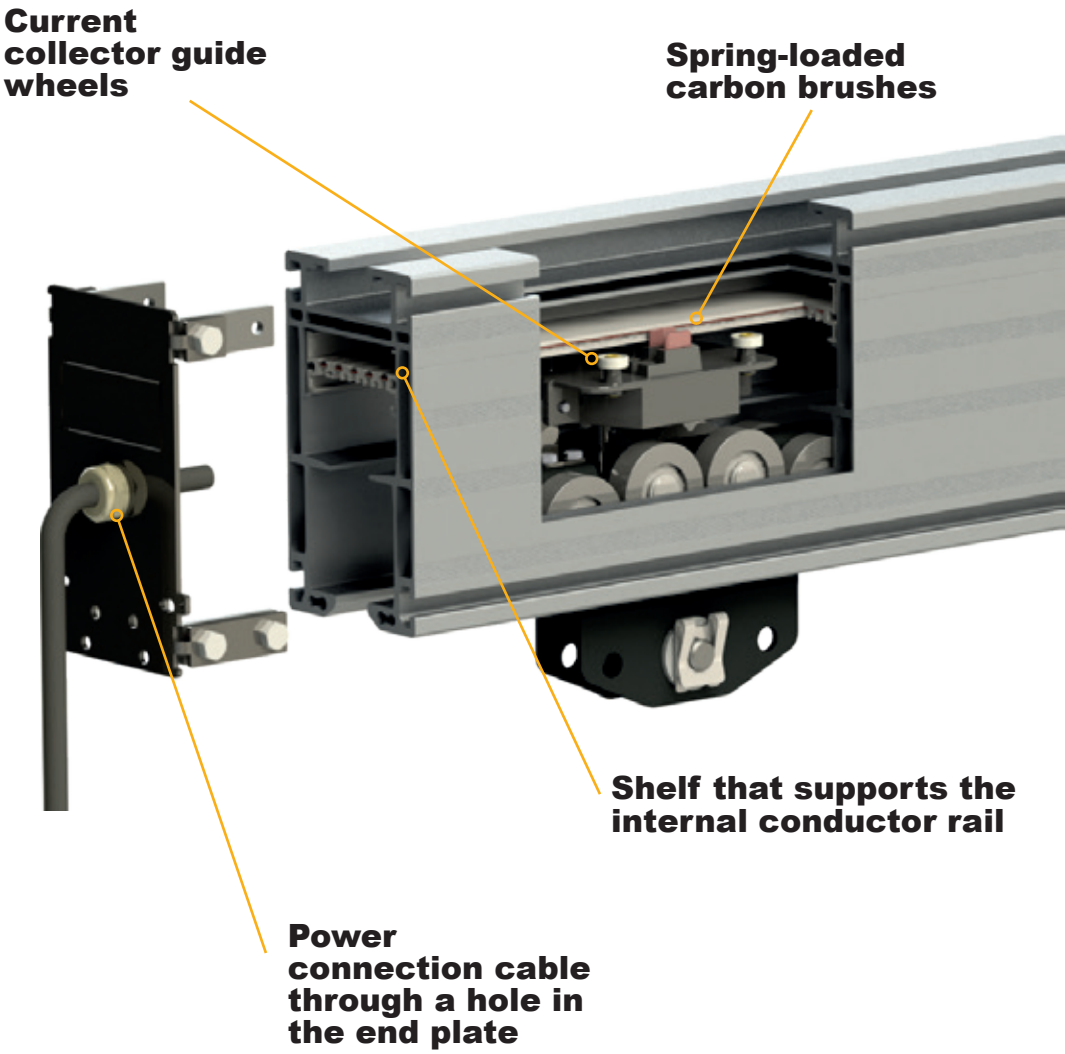
POWER

SOPHISTICATED AND LIGHT INTERNAL CONDUCTOR RAIL

Some of the aluminium and steel profiles can be equipped with an internal conductor rail to maximise the crane’s coverage. Inside the profile, the power supply is safe from external exposures, allowing full trolley and bridge movements without hanging cables. The internal conductor rail can also be used in curved profiles.

The steel profiles have a small bend in the profile that supports the internal conductor rail. Clips together with a screw secure it in place. The aluminium profiles have a small shelf inside the profile that supports the internal conductor rail. A screw drilled through the profile secures the internal conductor rail.

Because the trolley has low construction, it's possible to install a current collector for the internal conductor rail above the trolley. This way, the current collector doesn’t restrict the trolley’s range of movement.



FLAT OR ROUND CABLE POWER SUPPLY

All Erikkila light cranes can be equipped with a high-quality flat cable power supply. The system utilizes plastic cable trolleys with plastic wheels that run along the inside of the profile, supporting the flat cable. A flat cable power supply can also be used for curved steel profiles. As an alternative, round cable can be used when suitable for the application.

One side of the track can be extended to accommodate cable trolleys, ensuring they do not restrict the working area. An additional stopper ensures the crane's functionality and keeps the bridge within the working area.

ELECTRICAL MOVEMENTS FOR TROLLEY AND BRIDGE

Electrical movements for trolley and bridge are recommended if the crane’s rated capacity is more than 1000 kg, the lift height is more than 6 m, or the bridge span is longer than 8 m. All electric movements of the trolley and bridge are equipped with limit switches. A crane with electrical trolleys is typically controlled with a radio remote control. The power supply is with an internal conductor rail or flat cable.

Electrical trolleys can be equipped with a lowerable friction wheel to allow manual movements in a power outage or to improve the final positioning accuracy.

TAILORING AND INNOVATION

Erikkila offers complete and innovative solutions — the flexible, modular design of light cranes allows them to be tailored to meet almost any lifting need.

TRACK SWITCH AND CURVE

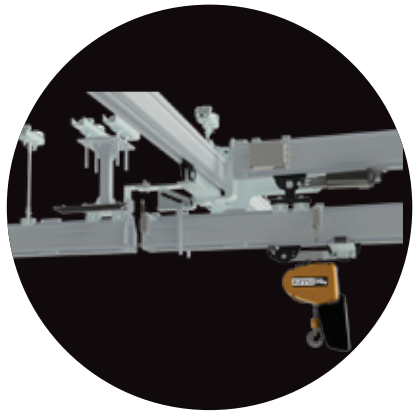
The track switch and curve enables smooth connection between two hoist tracks, allowing the trolley to move seamlessly in both directions. Designed for systems with a maximum rated capacity of 1,250 kg, this solution is compatible exclusively with S200 steel profiles. The switch can be operated manually or electrically, using either radio control or pendant control.

TURNTABLE

The turntable enables the connection and redirection of multiple hoist tracks from a central point, providing flexible load movement in complex layouts. Designed for systems with a maximum rated capacity of 1,250 kg, it is available exclusively for S200 steel profiles. The turntable supports both manual and electric operation.
It can be controlled via radio control or pendant, ensuring smooth and precise movement.

TELESCOPIC CRANE

The telescopic crane is designed to lift and move loads beyond the standard track layout, making it ideal for workstations with limited space or special handling requirements. The telescoping function can be operated manually or electrically. It can be controlled via radio or pendant for smooth and precise movement.



TRACK LOCK

The track lock enables the safe and efficient transfer of loads between a bridge crane and a hoist track, or between two bridge cranes. It ensures smooth handover of the trolley and load across connected systems, enhancing workflow flexibility in multi-crane setups.

SUSTAINABILITY

One of our top priorities is to, together with our customers and partners, make lifting and material flow more sustainable. We are constantly working to minimise the waste of resources, energy, and time, both in our factory and in our products.

Our expertise and innovative solutions are the keys to a sustainable business, and we emphasise quality, safety, and sustainability in everything we do.

REFERENCE: EHRLE

Ehrle is the world's leading vehicle washing and cleaning technology provider. To provide seamless and reliable support for all work processes and ensure efficiency in its' assembly plant, Ehrle decided on a smooth-running aluminium light crane system supplied by Erikkila. Apart from the cranes' excellent quality and handling, their flexible design was the decisive point for equipping the plant entirely with Erikkila light cranes.

"ASSEMBLING ERIKKILA CRANES IS AS EASY AS BUILDING WITH LEGO,"

says delighted EHRLE's Project manager **Sebastian Michaelis**.

REFERENCE: KÄSSBOHRER

Kässbohrer is a manufacturer of Pistenbully vehicles for ski slopes and cross-country trails. Their primary goal was to move from mass production to order-based production. This is why optimisation of the processes was essential.

The positioning of parts and the preparation of components for electric and hydraulic wiring needed to be supported by the light crane solution with exact precision.

“WITHIN JUST A SHORT PERIOD, ALL THE PROCESSES OF THE NEW PRODUCTION LINE LITERALLY WENT LIKE CLOCKWORK,”

Kässbohrer’s Production planner **Philipp Heinen** says.

REFERENCE: MEYER TURKU

MEYER TURKU OY is one of the world’s leading cruise ship builders. The company wanted to bring T-beam production into its’ own hands. Meyer compared several light crane suppliers and solutions and chose Erikkila based on delivery time and quality.

“THE SCHEDULE FOR THE PROJECT WAS VERY DEMANDING. ERIKKILA MET OUR CHALLENGE WITH A GOOD DELIVERY TIME AND A TECHNICAL SOLUTION THAT SUITED OUR LINE,”

says **Henrik Mantere**, Director of Hull Production.

TEHTY SUOMESSA
MADE IN FINLAND

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