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STAGE MECHANICAL SOLUTIONS

## **FlexBeam motorized lifting solution**

Modular, compact, versatile, and reliable



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# FlexBeam motorized lifting solution

## Product description

FlexBeam is an innovative and modular lifting system for motorized fly bars. The solution is particularly suitable for small to medium-sized projects and is characterized by its modular construction, compactness, time-saving installation process and reliability.

The system was originally designed to fit renovations within tight ceiling spaces above stages where you could not reinforce the roof structure. Our solution was to build the entire construction within and around an 100x100 mm aluminum profile. The torsion-resistant aluminum profile is constructed to keep all the horizontal forces within the FlexBeam to enable heavier workloads while providing a compact and elegant finished installation.

The system's wires run internally in sound-absorbing plastic tracks, which minimizes noise, provides a neat installation, and ensures that the wires run freely. The drops then take place at a corresponding number of pulleys evenly distributed along the profile.

One of the big advantages with the FlexBeam system is the pre-assembled delivery. The modular system is delivered in sections up to six meters long and is quickly joined together to custom lengths. It is then easily lifted into place on-site, saving time and money for the client.

The FlexBeam's flexibility to adapt to complex site properties makes it great for tailor-made installations. The individual sections can be cut and combined to any custom length and be equipped with options such as movable beam trolleys, slack guards, built-in load monitoring and wireless control systems. All these properties make the system an ideal solution for a multitude of different lifting needs.

## Specifications

|                     |   |
|---------------------|---|
| <b>Profile</b>      | 100 x 100 mm  |
| <b>Material</b>     | Aluminum EN AW 6063-T6  |
| <b>Length</b>       | Can be ordered in up to 6 m long sections   |
| <b>Wires</b>        | 6 mm (with rooms for up to 5 wires)   |
| <b>Color</b>        | Powder-coated matte black (custom colors available on demand)   |
| <b>Motorization</b> | Can be used with any entertainment chain hoist  |
| <b>Self-weight</b>  | 6,2 kg/m + accessories  |
| <b>Notes</b>        | Inspection grooves on both sides, with side grooves for cabling<br><br>All parts are integrated on the profile. |



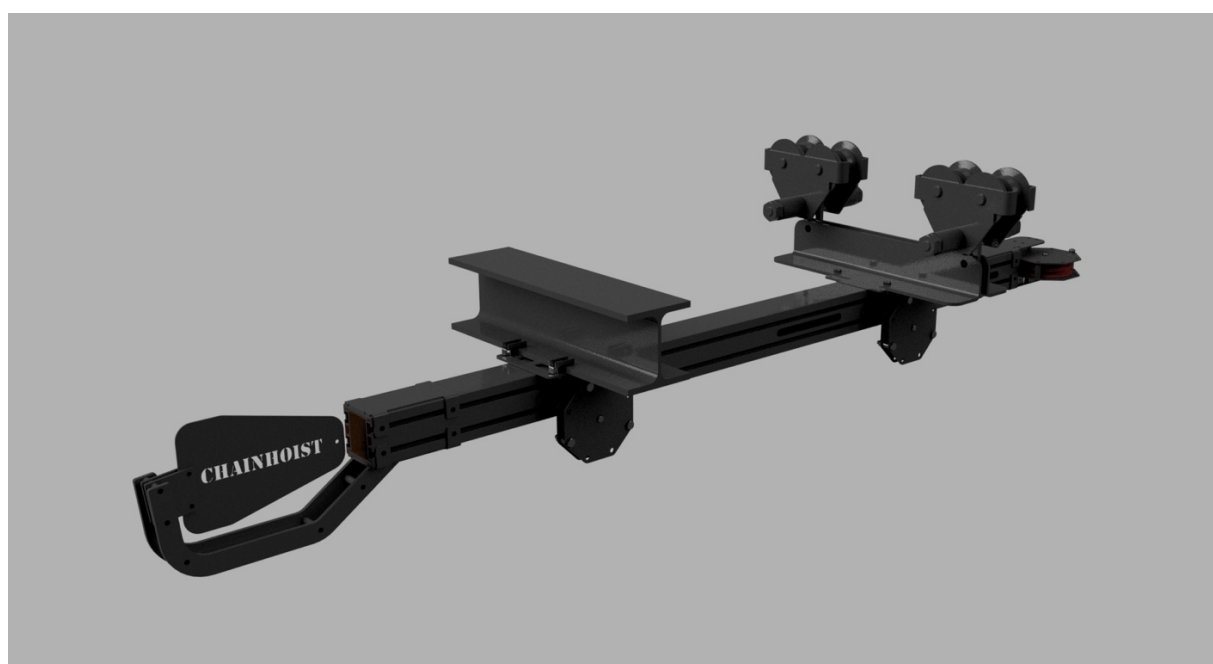
## Configuration

### Standard configuration

- Integrated fixing clamps for 100-140 mm H-beam
- Motor mount adapted for your model of chain hoist
- Line collector adapted for your model of chain hoist
- 5 mm steel wire (6 mm on 500-214806)
- Ball-bearing pulleys in nylon Ø125mm
- Supplied with steel pipe 50x3 mm powder-coated in black
- Complete with joints between the sections

### Additional options

- High-quality chain hoist from GIS Swiss Lifting Solutions
- Wire slack guard integrated in pulley
- Chain slack guard integrated in hoist
- Load pin on return pulley
- Fixing clamp for 140-200 mm H-beam (or other custom assembly)
- Up to 4 pairs of wires till for lifting truss
- Black wire ropes
- Install FlexBeam on movable beam trolleys





## Versions

| Article no. | Max load | Beam length | Fly bar length | Wire   | Drops  | Lifting height |
|-------------|----------|-------------|----------------|--------|--------|----------------|
| 500-214706  | 250 kg   | 6 m         | 7 m            | 5 mm   | 3      | Up to 5,5 m    |
| 500-214708  | 250 kg   | 8 m         | 10 m           | 5 mm   | 4      | Up to 7,5 m    |
| 500-214710  | 250 kg   | 10 m        | 11 m           | 5 mm   | 4      | Up to 9,5 m    |
| 500-214712  | 250 kg   | 12 m        | 14 m           | 5 mm   | 5      | Up to 11,5 m   |
| 500-214714  | 250 kg   | 14 m        | 14 m           | 5 mm   | 5      | Up to 13,5m    |
| 500-214716  | 250 kg   | 16 m        | 15 m           | 5 mm   | 5      | Up to 15,5 m   |
| 500-214806  | 500 kg   | 6 m         | 7 m            | 6 mm   | 3      | Up to 5,5 m    |
| 500-214808  | 500 kg   | 8 m         | 10 m           | 5 mm   | 4      | Up to 7,5 m    |
| 500-214810  | 500 kg   | 10 m        | 11 m           | 5 mm   | 4      | Up to 9,5 m    |
| 500-214812  | 500 kg   | 12 m        | 14 m           | 5 mm   | 5      | Up to 11,5 m   |
| 500-214814  | 500 kg   | 14 m        | 14 m           | 5 mm   | 5      | Up to 13,5 m   |
| 500-214816  | 500 kg   | 16 m        | 15 m           | 5 mm   | 5      | Up to 15,5 m   |
| 500-214900  | Custom   | Custom      | Custom         | Custom | Custom | Custom         |

