

ZASCHE

handling



Rope balancers and pivot arms



electrical or **pneumatical**



Pneumatic rope balancers

The pneumatic rope balancer is especially suitable for positioning loads with great sensitivity and for complex joining and assembly tasks. The payload suspended on the rope is balanced using compressed air via a rope drum. This allows components to be positioned with extremely high precision.



Technical specifications

Design variations

- » ceiling-mounted movable on a suspension crane
- » floor-mounted in combination with a pivot arm or slewing crane

Control options

- » one, two or multiple load balancing control
- » up/down control with and without no-load balancing
- » hand force detection control
- » safety functions, such as gripper release
- » and many more

Special features

- » precise and smooth positioning of loads
- » Intuitive hand-guidance directly on the workpiece
- » fast transfer of loads with short cycle times
- » compact design, control and drive all in one housing
- » speed limiter as safety device: prevents unacceptably high lifting speeds

Basic unit	Load capacity [kg]*	Stroke [mm]	Lifting speed [m/min]
Z-BP	100	2000	0–60

*at 6 bar system pressure

Pneumatic pivot arms

These pivot arms are combined with rope balancers. An extremely comfortable handling for the machine operator is achieved by mounting the hoist on the column whereby only the low mass of the secondary arm needs to be moved.

The operator can choose between different model series - depending on the component weight - to achieve the optimum ratio between payload and moving mass.

Especially for low payloads we recommend our carbon series. Compared to the steel version, the dead mass is reduced by 75%. This considerably increases the productivity, joining accuracy and worker acceptance of your employees.



Technical specifications

Design variations

- » floor-mounted on a column
- » ceiling-mounted stationary
- » ceiling-mounted and traversable in a suspension crane or rail system

Options

- » brakes
- » maintenance unit
- » slewing angle sensor
- » mobile base plate
- » endless rotation at the column
- » and many more

Control options

- » one, two or multiple load balancing control
- » up/down control with and without load balancing
- » hand force detection control
- » safety functions, such as gripper release
- » and many more

Basic unit	Load capacity [kg]*	Working radius [mm]	Lifting speed [m/min]	Slewing range [°]
Z-KL	80	3200	0-60	330
Z-KMP	80	3800	0-60	330
Z-KC	80	4000	0-60	330

*at 6 bar mains pressure/Special designs are possible upon request!

Electric rope balancer

The electric rope balancer is especially suitable for demanding tasks when positioning workpieces with great sensitivity and with no pneumatical air supply available. With it, all tasks for picking up, transporting and positioning loads can be carried out precisely. While using the joining mode, the machine operator can position and join the component directly, without actuating any additional control buttons.



Technical specifications

Design variations

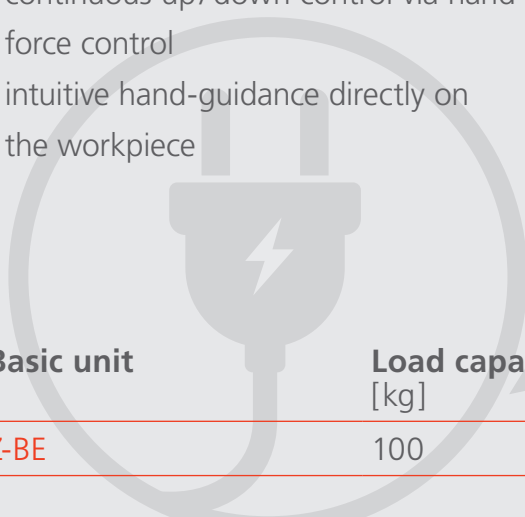
- » ceiling-mounted and traversable in a suspension crane or rail system
- » stationary when mounted on a pivot arm

Control options

- » continuous up/down control via hand force control
- » intuitive hand-guidance directly on the workpiece

Special features

- » freely parameterizable operating modes for guiding and joining
- » ergonomic control handle for fatigue-free working
- » high safety through permanent load monitoring
- » easy to install thanks to 230 V supply
- » parameterization directly via buttons on
- » sensor grip

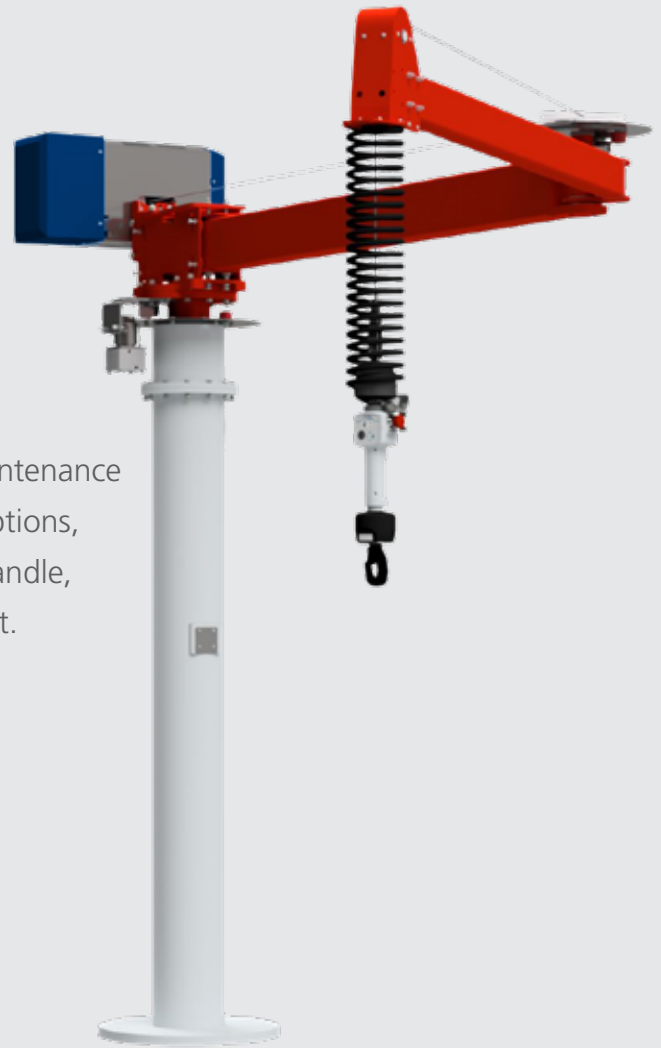


Basic unit	Load capacity [kg]	Stroke [mm]	Lifting speed [m/min]
Z-BE	100	2000	0 – 42

Electric pivot arms

The electric pivot arm is the right choice for applications with higher payloads or where an electric hoist needs to be used. It is characterized by its ergonomic and compact design. The pivot arm can be combined with an electric rope balancer or with a rope hoist.

The ZASCHE pivot arm are characterized by their low-maintenance components and simple, intuitive operation. Additional options, like e.g.. to control the brake via the light barrier of the handle, enables greater effectiveness through less operating effort.



Technical specifications

Design variations

- » floor-mounted on a column
- » ceiling-mounted stationary
- » ceiling-mounted and traversable in a suspension crane or rail system

Control options

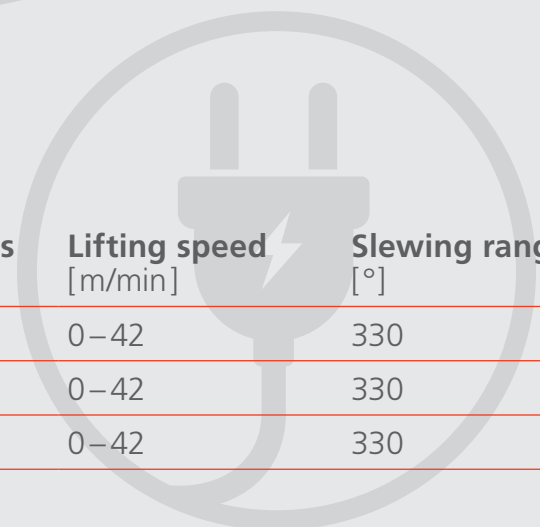
- » continuous up/down control via hand force control
- » intuitive hand-guidance directly on the workpiece
- » and many more

Options

- » brakes
- » maintenance unit
- » slewing angle sensor
- » mobile base plate
- » endless rotation at the column
- » and many more

Basic unit	Load capacity [kg]	Working radius [mm]	Lifting speed [m/min]	Slewing range [°]
Z-KME	80	4000	0–42	330
Z-KME	125	3500	0–42	330
Z-KME	160	3000	0–42	330

Special designs are possible upon request!



Load handling attachment

Load handling module

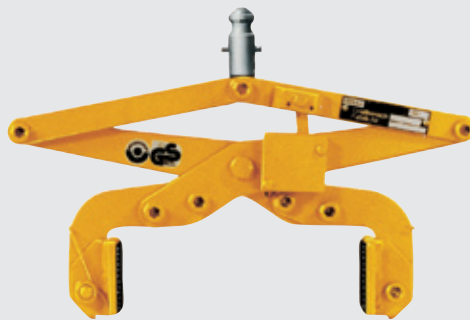
No matter if you need a standardized or customized gripper, a simple mechanical or pneumatically driven load handling device, ZASCHE handling consults you for every handling task you might have. Not only do we attach great importance to functionality, but also to ergonomics and operator friendliness.



*pneumatic
clamping gripper*

Maximum Flexibility

The attachment bracket enables the quick, easy and safe exchange of various load handling attachment without long changeover time.



Full service – your all- round carefree package.



Contact Service Team

Phone: +49 (0) 9081 8017 - 0

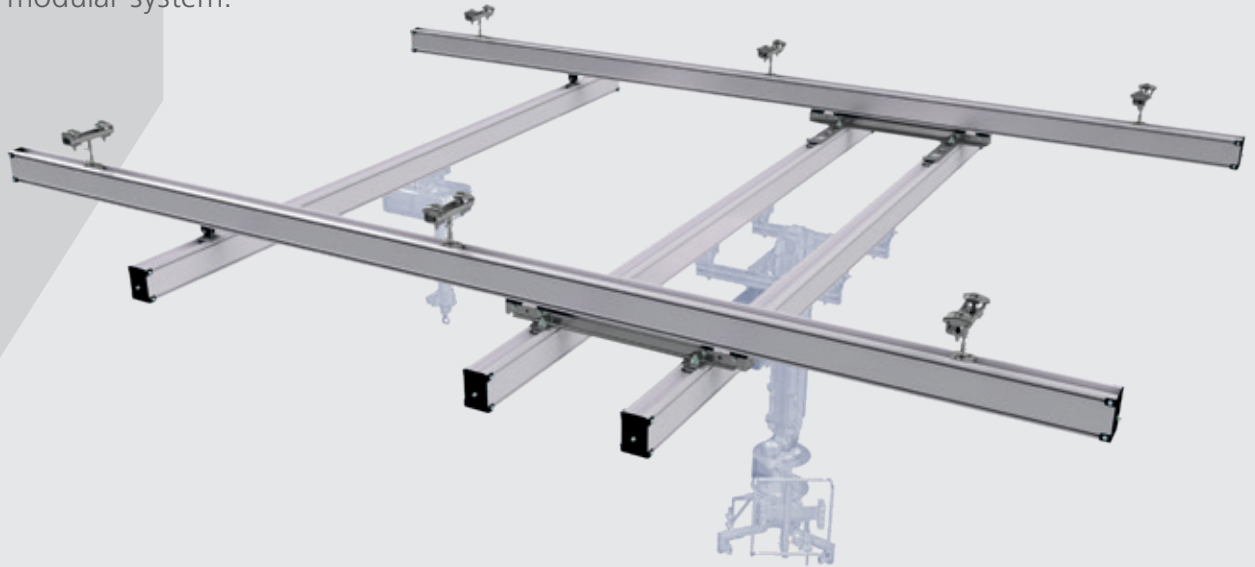
Email: service@zasche.de

Our experienced and qualified experts, as well as crane experts authorized by the trade association, are happy to answer any questions you may have about technical matters, repairs, safety checks, training courses and spare and wear parts.

We also offer you a maintenance contracts by request to ensure that your security checks are automatically carried out on schedule.

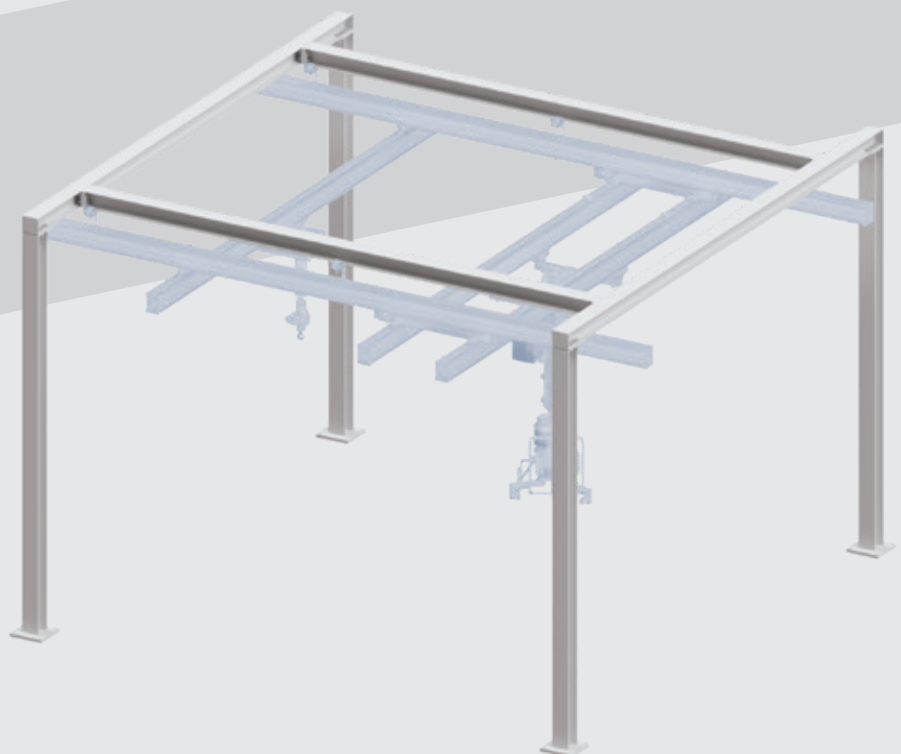
Light crane systems

We can offer you a large number of tailor made single or double girder crane systems from various steel or aluminum profiles from a comprehensive modular system.



Steel superstructure/crane suspension system

In case you need a steel superstructure for the operation of suspended crane systems or ceiling-mounted handling equipment we are happy to plan and implement this for you. We have in-house specialist engineers, certified welding personnel and suitable equipment in our production facilities exactly for this purpose.



Your reliable global partner for manual handling.



ZASCHE
handling

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