

Floor-mounted jib crane model PFSP

Elevated boom with optimal height, slewing range 270°

Lightweight, twist-free steel girder construction with low headroom. The boom is fitted with a bearing, pillar made from reinforced steel pipe.

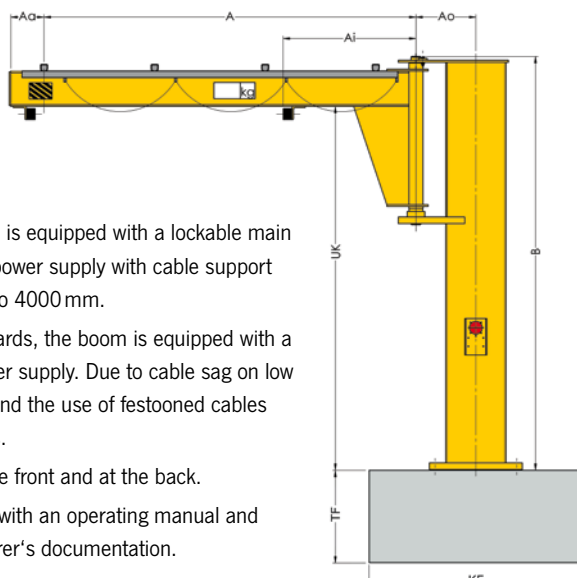
Depending on the size of the hoist and in combination with festooned power cables, restrictions in the slewing range of the boom may be possible.

Mounting

- Base flange with anchor bolts and template.
- Anchoring the base plate (welded) including mortar cartridges, anchor studs (complete with nuts, locknuts and washers).
- Anchoring the dowel base plate (bolted) including mortar cartridges, anchor studs (complete with nuts, locknuts and washers).
- Mobile unit for changeable location.

Options

- Slew stoppers (buffers) can be fitted on building site for a pre-determined fixed slewing range.
- Slewing brake, to control the boom speed during slewing. Recommended for a boom length of more than 5 m or a headroom of more than 4 m. This prevents uncontrolled movement of the boom.
- Increased paint layer (120µm) or hot-dip galvanisation for outdoor use.
- Manual locking device, to hold the boom in a fixed position (wind protection).
- Hoist cover for outdoor use.



Scope of delivery

- The electrical system is equipped with a lockable main switch, round-cable power supply with cable support pipes for booms up to 4000 mm.
- From 4500 mm upwards, the boom is equipped with a festooned cable power supply. Due to cable sag on low cranes, we recommend the use of festooned cables even on short booms.
- Trolley stoppers at the front and at the back.
- Cranes are supplied with an operating manual and complete manufacturer's documentation.

Mounting systems, please see pages 131-132.

Standard delivery programme model PFSP

Model	Capacity kg	Boom length in mm										
		2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
PFSP 50	50	•	•	•	•	•	•	•	•	•	•	•
PFSP 80	80	•	•	•	•	•	•	•	•	•	•	•
PFSP 125	125	•	•	•	•	•	•	•	•	•	•	•
PFSP 200	200	•	•	•	•	•	•	•	•	•	•	•
PFSP 250	250	•	•	•	•	•	•	•	•	•	•	•
PFSP 400	400	•	•	•	•	•	•	•	•	•	•	•
PFSP 500	500	•	•	•	•	•	•	•	•	•	•	•
PFSP 800	800	•	•	•	•	•	•	•	•	•	•	•
PFSP 1000	1000	•	•	•	•	•	•	•	•	•	–	–
PFSP 1600	1600	•	•	•	•	•	•	•	–	–	–	–
PFSP 2000	2000	•	•	•	•	•	–	–	–	–	–	–
PFSP 2500	2500	•	•	•	–	–	–	–	–	–	–	–

Floor-mounted jib crane model PFM

Elevated boom with optimal height, slewing range 360°

Lightweight, twist-free steel girder construction with low headroom. Compact rotating head for ideal construction dimensions; access from above ensures easy assembly. The boom is fitted with a roller bearing, pillar made from reinforced steel pipe.

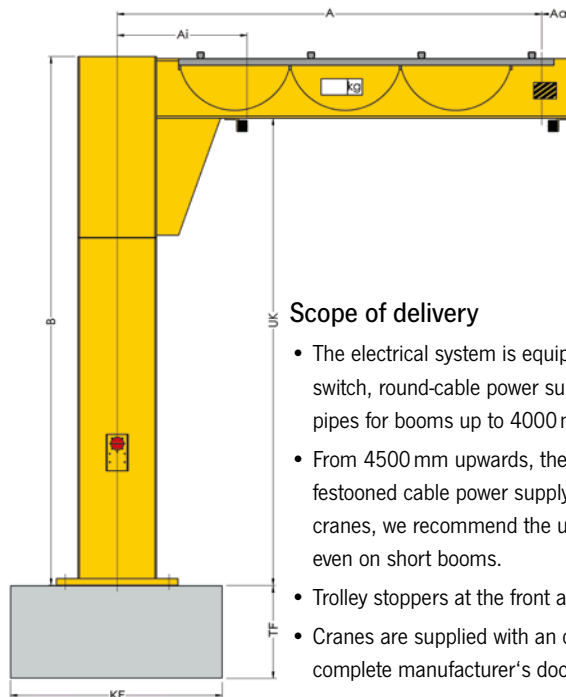
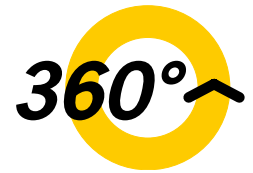
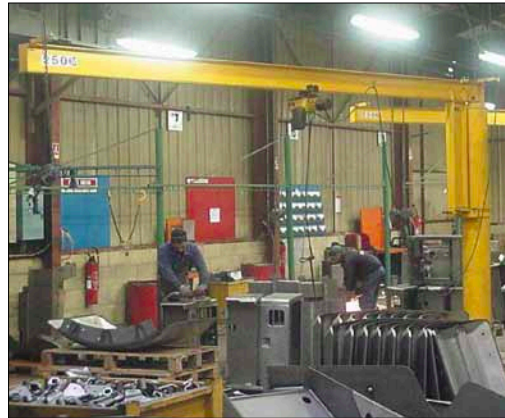
Depending on the size of the hoist and in combination with festooned power cables, restrictions in the slewing range of the boom may be possible.

Mounting

- Base flange with anchor bolts and template.
- Anchoring the base plate (welded) including mortar cartridges, anchor studs (complete with nuts, locknuts and washers).
- Anchoring the dowel base plate (bolted) including mortar cartridges, anchor studs (complete with nuts, locknuts and washers).
- Mobile unit for changeable location.

Options

- Slew stoppers (buffers) can be fitted on building site for a pre-determined fixed slewing range.
- Slewing brake, to control the boom speed during slewing. Recommended for a boom length of more than 5 m or a headroom of more than 4 m. This prevents uncontrolled movement of the boom.
- Increased paint layer (120µm) or hot-dip galvanisation for outdoor use.
- Manual locking device, to hold the boom in a fixed position (wind protection).
- Hoist cover for outdoor use.



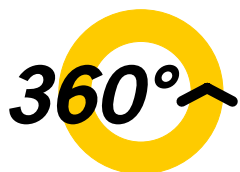
Scope of delivery

- The electrical system is equipped with a lockable main switch, round-cable power supply with cable support pipes for booms up to 4000 mm.
- From 4500 mm upwards, the boom is equipped with a festooned cable power supply. Due to cable sag on low cranes, we recommend the use of festooned cables even on short booms.
- Trolley stoppers at the front and at the back.
- Cranes are supplied with an operating manual and complete manufacturer's documentation.

Mounting systems, please see pages 131-132.

Standard delivery programme model PFM

Model	Capacity kg	Boom length in mm										
		2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
PFM 50	50	•	•	•	•	•	•	•	•	•	•	•
PFM 80	80	•	•	•	•	•	•	•	•	•	•	•
PFM 125	125	•	•	•	•	•	•	•	•	•	•	•
PFM 200	200	•	•	•	•	•	•	•	•	•	•	•
PFM 250	250	•	•	•	•	•	•	•	•	•	•	•
PFM 400	400	•	•	•	•	•	•	•	•	•	•	•
PFM 500	500	•	•	•	•	•	•	•	•	•	•	•
PFM 800	800	•	•	•	•	•	•	•	•	•	•	•
PFM 1000	1000	•	•	•	•	•	•	•	•	•	•	•



Further capacities and boom lengths on request.



Floor-mounted jib crane model PFP

Elevated boom with optimal height, slewing range 360°

Heavy, robust twist-free steel girder construction. Structural steel crane-boom. Compact rotating head for ideal construction dimensions; access from above ensures easy assembly. The boom is fitted with a roller bearing, pillar made from reinforced steel pipe.

Depending on the size of the hoist and in combination with festooned power cables, restrictions in the slewing range of the boom may be possible.

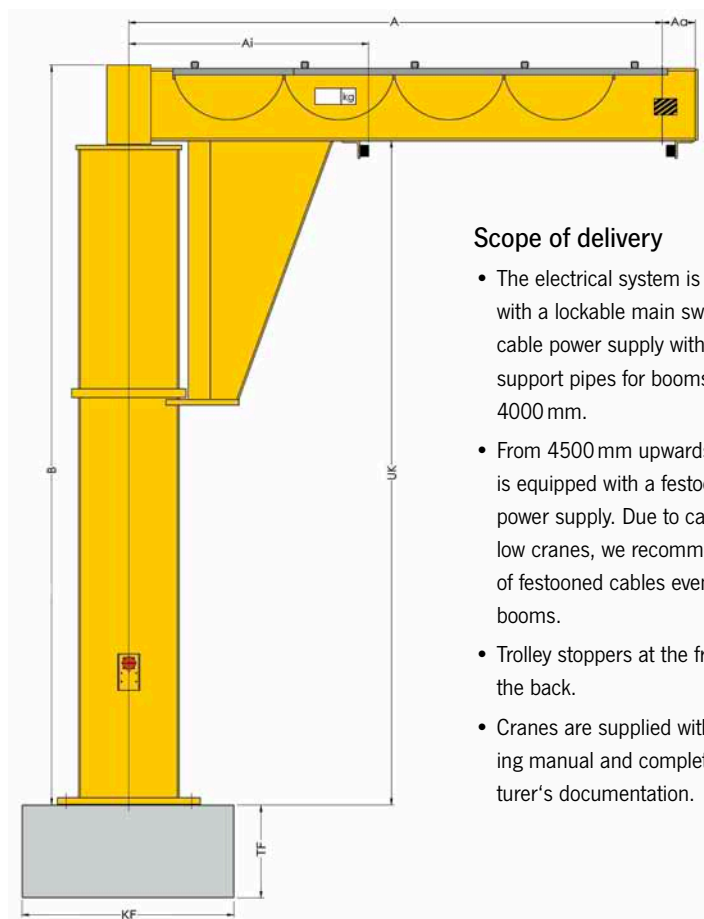
Mounting

- Base flange with anchor bolts and template.
- Anchoring the dowel base plate (bolted) including mortar cartridges, anchor studs (complete with nuts, locknuts and washers).

Options

- Electrically driven slewing gear.
- Slew stoppers (buffers) can be fitted on building site for a pre-determined fixed slewing range.
- Limit switches to limit the boom slewing range (before hitting a fixed object the motor switches off automatically).
- Increased paint layer (120µm) or hot-dip galvanisation for outdoor use.
- Manual locking device, to hold the boom in a fixed position (wind protection).
- Hoist cover for outdoor use.

Mounting systems, please see pages 131-132.



Scope of delivery

- The electrical system is equipped with a lockable main switch, round-cable power supply with cable support pipes for booms up to 4000 mm.
- From 4500 mm upwards, the boom is equipped with a festooned cable power supply. Due to cable sag on low cranes, we recommend the use of festooned cables even on short booms.
- Trolley stoppers at the front and at the back.
- Cranes are supplied with an operating manual and complete manufacturer's documentation.

Standard delivery programme model PFP

Model	Capacity kg	Boom length in mm										
		2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
PFP 500	500	•	•	•	•	•	•	•	•	•	•	•
PFP 800	800	•	•	•	•	•	•	•	•	•	•	•
PFP 1000	1000	•	•	•	•	•	•	•	•	•	•	•
PFP 1600	1600	•	•	•	•	•	•	•	•	•	•	–
PFP 2000	2000	•	•	•	•	•	•	•	•	•	–	–
PFP 2500	2500	•	•	•	•	•	•	•	–	–	–	–
PFP 3200	3200	•	•	•	•	•	–	–	–	–	–	–

Safety distances in accordance with the accident prevention regulations for cranes (BGV D6) para. 11/para. 32

The following safety distances are only valid for floor-controlled cranes, without platforms, walkways or similar, on the jib with a load capacity of less than 10 t.

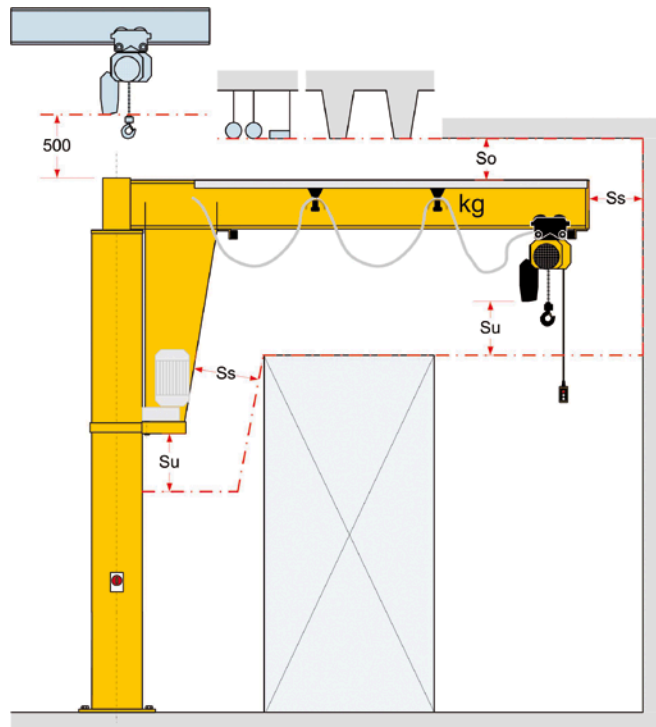
Movement manual	Safety distance		
	So = Top	Ss = Side	Su = Bottom
Lifting	100*	100*	100*

Movement power-driven, floor-controlled	Safety distance		
	So = Top	Ss = Side	Su = Bottom
Lifting	100*	100*	100*
Lifting and travelling	100*	100*	500
Lifting, travelling and slewing	100*	100* (500)	500

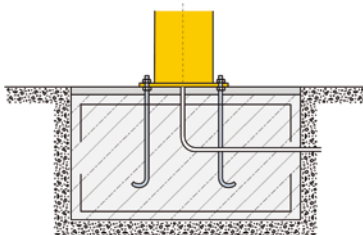
Safety distances for cranes with a load capacity up to 10000 kg
 *No regulation (100 mm recommended)

Ss... for power-driven slewing motion, the safety distance must be complied with, if the possible crushing point is within the traffic and working area.

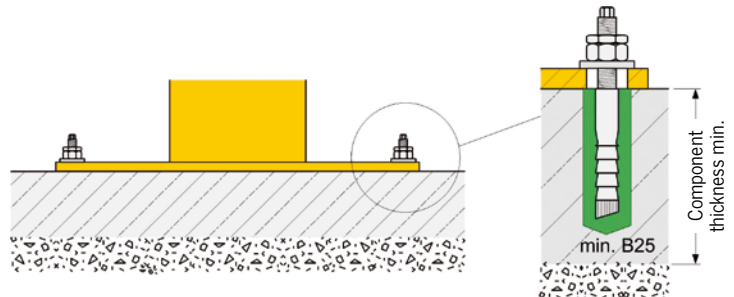
In general, the traffic and working area ranges from the upper edge of the ground up to 2.5m room height.



Mounting systems for floor-mounted jib cranes

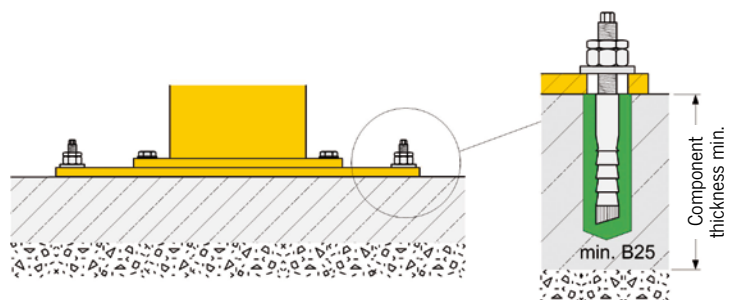


Anchor bolts with template for preparation of the foundation through the customer.



Standard base plate (welded) for anchor-bolt connection on existing concrete floor instead of welded-on base flange (only for operation inside a building) incl. HVZ dynamic anchor bolts.

! Further fastening possibilities such as weld-on brackets, ceiling mounting etc. on request.



Dowel base plate for anchor-bolt connection on existing concrete floor (only for operation inside a building) incl. HVZ dynamic anchor bolts.

Operating conditions for standard and intermediate base plates

- The thickness of the concrete floor slab for M 12x95 HVC dynamic anchor bolts must be min. 190 mm.
- The thickness of the concrete floor slab for M 16x105 HVC dynamic anchor bolts must be min. 210 mm.
- The concrete floor slab must be horizontal and even.
- The concrete quality must meet min. B25 or C20/25.
- Mounting with through bolts consisting of base plate, through bolts and counter plates (for ceiling thicknesses up to 350 mm).
- Floor/wall mounting or floor/ceiling mounting on request.

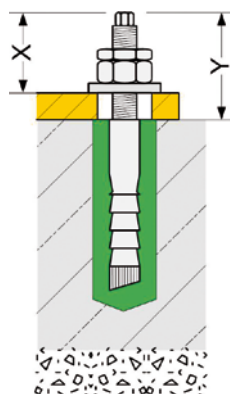
Base plate for fastening pillar-mounted slewing jibs and slewing cranes without foundation

Some pillar-mounted slewing jibs and slewing cranes can be mounted by means of a standard base plate or an dowel base plate. No foundation is required, easy and quick assembly on the customer's existing reinforced concrete slab is possible. **Potential tripping hazard by protruding locknuts, unmarked or unsecured plate edges must be clearly marked.**



- The installation location of the crane must be selected in such a way that the base plate is mounted outside of traffic routes according to the German regulations for workplaces AStV para. 2. If this is not possible, the plate must be secured or marked in such a way that a hazard is avoided (e.g. by warning hatching along the edge of the plate).
- The base plate with tripping points must not protrude into escape routes or limit their prescribed min. widths.
- The measures for reducing hazards caused by tripping points must be taken by the operating company in cooperation with the safety expert.
- A warning sign as hazard reduction is a minimal measure and may not be sufficient in certain cases (e.g. in spite of warning signs, tripping incidences occur frequently, the warning sign is not recognised sufficiently in advance).

The smallest possible projection of the chemical anchor



over the crane base plate "X" with an M12 anchor is approx. 33 mm, with M16 approx. 37 mm. This dimension can only be reached, if the concrete floor slab exceeds the above-mentioned min. thickness. The max. projection of the chemical anchor, measured from floor level "Y", is approx. 73 mm for M12 anchors

and approx. 86 mm for M16 anchors, with the relevant min. floor slab thickness.

Due to cable sag, we recommend that on low cranes festooned cables be used, even for a short boom length.

Plate dimensions, quantity, dimension and position of the chemical anchors depend on the crane type, load capacity and boom length of the crane (details and technical data according to the relevant crane data sheet).