

FIPA Spider and chain hoists | At a glance

FIPA Spider for load up to 500 kg



Vacuum lifters are superior to classic lifting devices with slings due to their faster and easier handling. Place the vacuum cup, press the manual slide valve and wait two to three seconds until the vacuum is generated. It is this easy to work with the vacuum lifter FIPA Spider!

The vacuum lifter FIPA Spider is a vacuum traverse that was developed with „plug & play“ for use on a chain hoist.

Vacuum traverses, also called vacuum lifters in general, are used for **handling plates, panes and sheets**. Vacuum lifters are especially used in the **wood, sheet metal and glass processing industries**. They make the loading of processing machines and the storage of various goods much easier.

The FIPA Spider is available as standard for loads up to 250 and 500 kg. We can adapt the cross beam to meet your needs with a variety of accessories.

- > **Fitting for the crane** bulb for fastening the chain control on the operating handle
- > **Signal lamp** for optical warning in loud working environments
- > **Hinge** for a flexible control panel ensures an upright position, even at a low working height
- > **Additional cross beams** ensure a large suction area and improve the support of deformed materials
- > **Variable selection of vacuum cups**, depending on the application

The modular construction makes it possible to **develop special versions quickly and easily** – we will be happy to consult you! FIPA also offers chain hoists and cranes that are compatible with our vacuum traverses. The competent FIPA team takes care of the complete system, from planning through to turnkey installation.

FIPA Spider and chain hoists

Vacuum lifter FIPA Spider

Vacuum lifter FIPA Spider

NEW



PLUG & PLAY

Product notes

- > Suitable for the horizontal handling of plates, sheets or panes
- > Easy to operate per manual slide valve, only one person required to safely lift the load
- > Easy to install: hang – plug in – done
- > Low dead weight through lightweight construction with aluminum
- > Loads up to 250 kg and 500 kg with suction-tight surfaces
- > The vacuum lifter is used on a chain hoist
- > The DT.5 vacuum pump is included with delivery
- > Using the ergonomic operating handle, the length of the control rod can be adjusted up to 2 m
- > Special versions can be produced to meet customer needs
- > The load is handled in a way that protects the material and avoids damage
- > Fast and efficient work through the omission of the fastening
- > Please enter the desired length of the operating unit if needed (up to 2 m)
- > If desired, the FIPA accessories can be installed in the factory when a new order is placed
- > The weight may vary depending on the choice of vacuum cup
- > Recommended vacuum cups:
 - Flat vacuum cups 152.191.025.1, for sheet metal for example
 - Bellows vacuum cups Varioflex® 22.160.265.16 for wood and rough surfaces
- > Vacuum cups are not included in the scope of delivery

Notes

- > The vacuum lifter satisfies DIN EN 13155
- > Single-phase electrical connection over the chain hoist (spiral cable is available as an accessory) – the FIPA Spider has a Schuko plug
- > The specified load values refer to the suction-tight surfaces. Suction trials must be implemented if the material is porous or rough. We can also implement the trials for you if requested.

Technical data

Item no.	TR01.250-2000-2-1000	TR01.500-2000-3-1000
Admissible work load [kg]	250	500
Suction power at 50 Hz [m ³ /h]	5	5
Power supply at 50 Hz [V]	220-240	220-240
Rated power [kW]	0.12	0.12
Noise level at 50 Hz [dB(A)]	60	60
Vacuum reserves [l]	5.35	5.35
Number of vacuum cups	4	6
Connection thread vacuum cups	G1/2	G1/2
Weight [kg]	60	65

FIPA Spider and chain hoists

Vacuum lifter FIPA Spider

Operator control unit



The operator control unit is ergonomically shaped. We will adapt the length to your needs.

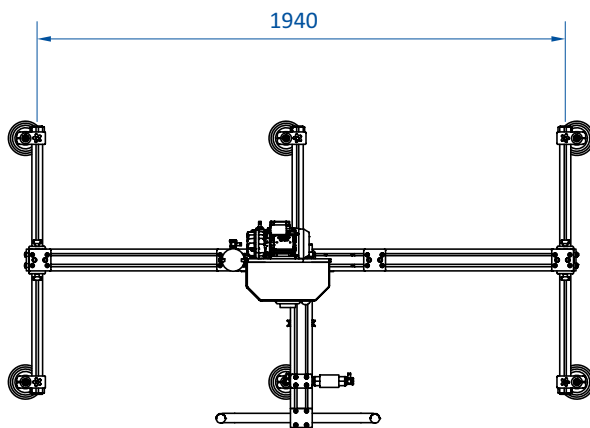
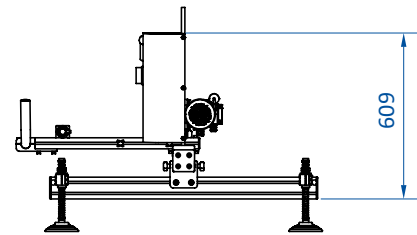
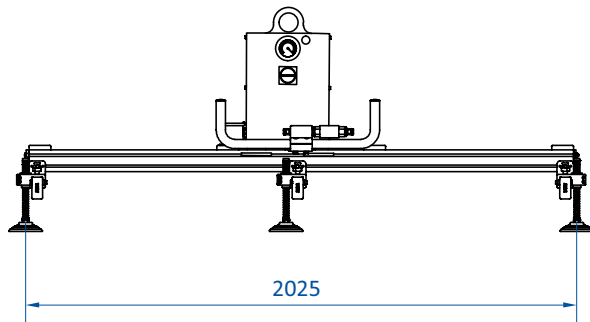
Application example



FIPA Spider and chain hoists

Vacuum lifter FIPA Spider

Dimensions



NEW



Signal lamp

SAFETY FEATURE

Product notes

- > Additional warning device for safety for the vacuum lifter FIPA Spider
- > Signal flashes if the vacuum supply is too low
- > Ideal in especially loud work environments or when working with ear protection
- > If desired, the FIPA accessories can be installed in the factory when ordering a new FIPA Spider

Technical data

Item no.	Type of lamp
TR.ACC.0010	LED

NEW



Holder for chain hoist control

Product notes

- > The fitting serves to fasten the chain hoist control on the operating handle
- > If desired, the FIPA accessories can be installed in the factory when ordering a new FIPA Spider

Technical data

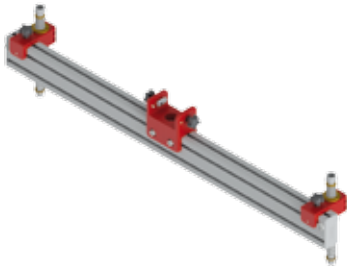
Item no.	Material
TR.ACC.0015	Aluminum

FIPA Spider and chain hoists

Cross beam retrofit

Cross beam retrofit

NEW



Product notes

- > The number of vacuum cups on an existing FIPA Spider can be expanded with the module
- > Enlarges the suction area
- > Improves the support for deformed materials
- > If desired, the FIPA accessories can be installed in the factory when ordering a new FIPA Spider
- > Vacuum cups are not included in the scope of delivery

Technical data

Item no.	Length [mm]
TR.ACC.0020	980

Manual shut-off valve

NEW



Product notes

- > Individual vacuum cups are shut off with the manual shut-off valve for changing plate sizes or parts with recesses
- > The load diminishes when individual vacuum cups are shut off. The operator is responsible for ensuring that the load corresponds to the holding force of the remaining suction area.
- > The operator must ensure that the manual shut-off valves are opened again when they are no longer being used
- > If desired, the FIPA accessories can be installed in the factory when ordering a new FIPA Spider

Technical data

Item no.	Weight [g]
TR.ACC.0025	131

NEW



Product notes

- > The spiral cable serves to offset the electrical energy from the chain hoist
- > Cable type: PUR 3G 1.5 black
- > Cable end 1: screwed Schuko plug made of solid rubber
- > Cable end 2: 400 mm bare end

Technical data

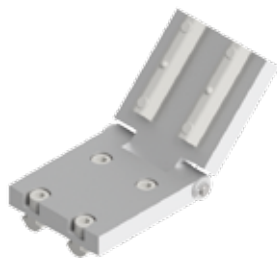
Item no.	Length [mm]	Spiral length [mm]	Length extended [mm]
TR.ACC.0030	3,000	1,500	6,000

FIPA Spider and chain hoists

Hinge for handle

Hinge for handle

NEW



Product notes

- > Stable hinge so that the rod on the operating component can be swiveled up or down
- > The position is chosen at will
- > Compatible with FIPA XLine extrusions
- > Makes an upright position possible, even at low working heights
- > If desired, the FIPA accessories can be installed in the factory when ordering a new FIPA Spider

Technical data

Item no.	Pivoting range [°]
TR.ACC.0040	45

Application example

