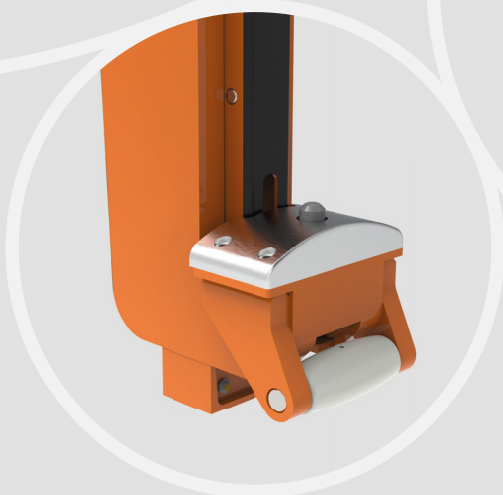


Simply modular

The new
Telescope coil grab
NOVA



PFEIFER

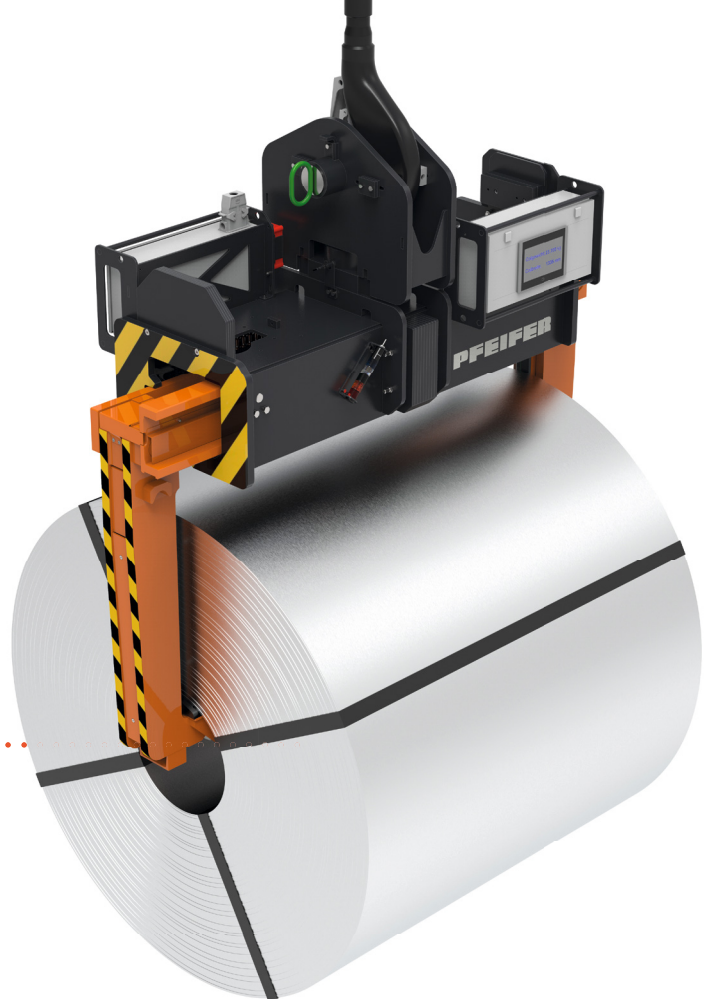
Simply modular

The digitalisation expects new solutions.
That is why we have developed the new NOVA.
With more possibilities, safety and service.

Customizable modular design

Easy configurable and retrofittable!

Different gripping arms or may be the **NOVA Plus** system? **No problem** - even after several years!



The Plus of data and safety

By the optional **NOVA Plus** System the load weight can be determined and reported on an XXL-touch-display. Internally, the system determines the load spectrum, the remaining service life and other maintenance-related data – so service and maintenance can be planned more conveniently, depending on real operating data.



Further developed Blocking system

Now our new **Blocking system** is working even safer and more effectively and combines the safety of a spindle driven solution with the economic advantages of a chain drive unit.



Our **NOVA Plus** module

The **NOVA Plus** unit is positioned between suspension and guiding house. Due to its modular construction **NOVA Plus** can be installed even later.

In combination with a PLC control **NOVA Plus** is a smart way for the modern automation:



Increasing
service life
Reduction of unplanned
downtimes
Avoiding
unnecessary routine
maintenance

+ Determines the load weight

The determined load weight is reported on an XXL-touch-display or upon request also on further displays.

Note: Not suitable for calibration!

+ Determines the remaining service life

The number of load cycles and their actual transport weights are registered. Thus **NOVA Plus** can determine the real load spectrum and indicate the remaining operation hours. How long you can use your coil grab is dependent upon the load range – and this is based on real operating data with **NOVA Plus**!

+ All device data at a glance

Condition of the sensors, status and operating hours of the gear units, energy consumption of the coil grab, number of overloading ... real-time data!

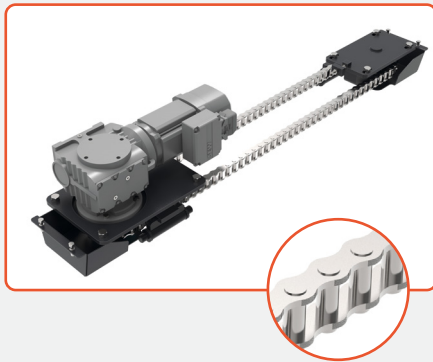
+ Maintenance planning at exactly the right time

As soon as the chain, the safety equipment or the gear unit achieved certain operating hours or their service intervals, an automatic maintenance message appears on the display. The period until the next maintenance can be displayed at any time – **NOVA Plus** proactively works with you!

Data and dimensions

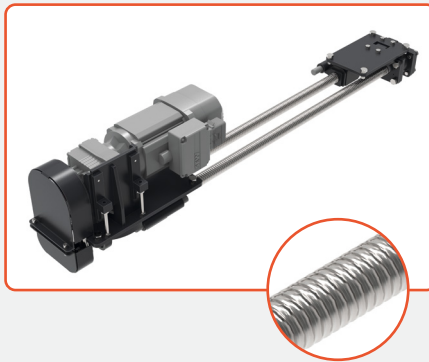
Carrying capacity (SWL):	20 kgs up to 40 kgs , can be freely selected
Gripping range:	300 up to 2,100 mm (max. opening width 2.200 mm)
Dead weight:	approx. 1,700 kgs / with slewing gear approx. 2,100 kgs
Inner height:	800 mm – 950 mm – 1,100 mm
Pads dimensions:	150 x 240 mm
Nominal power:	0.75 kW – 400 V – 50 Hz
Telescoping speed:	9.5 m/min
Safety equipment:	• Mechanical load safety device • Extra large cut-off relays or Light sensor • LED signal lamps

The **drive** modules



Rotating roller chain

The drive by a rotating roller chain is the **standard** drive of coil grabs. A safety clutch protects the drive unit from damage.



Spindle drive system

Grab leg drive by two self-locking trapezoid threaded spindels. In case of lowering the coil at an angle or hitting an obstacle, the spindle drive ensures **a high protection against unintentional opening of the gripping legs**.



Blocking system

The specially developed dampening and blocking system **secures the drive unit in case of misuse** and avoids unintentional opening of the gripping legs. Compared to spindle-driven coil grabs, this design only has a slight damage after hitting an obstacle or lowering the coil at an angle.

Slewing gear module

Slewing gear

Integrated slewing gear for **exact positioning** of the coil grab.

- Slewing range limitation 320°, or 4 x 90°
- Dead weight +400 kg
- Nominal power 0.37 kW – 400V - 50 Hz



Stand modules

Stand

For **safe storage of the coil grab** when not used.

Stand with maintenance platform

With ladder, maintenance platform and option for fixture on the factory floor.



The gripping arm modules

Inner height of the gripping arms

Distance top of the pad up to the lower edge of the guiding house.

> 800 mm · 950 mm · 1,000 mm



Approaching rollers

Approaching rollers at the pads to protect your sensitive loads. Screwed on, they can be replaced and retrofitted at any time.

> for sensitive loads



Pads

Pads made of Plastic (PA 12) or aluminium to protect your sensitive loads. Screwed on, they can be replaced and retrofitted at any time!

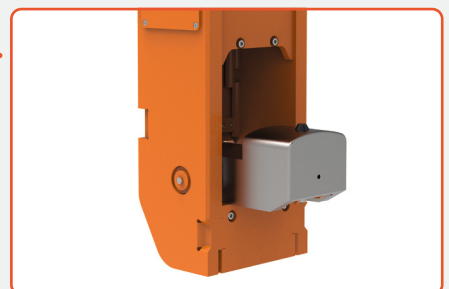
> for sensitive loads



Foldable pads

For lifting tightly stacked coils and narrow spaces. With integrated search for coil eye by light barriers.

- Nominal power 2 x 0.18 kW – 400V - 50 Hz
- Folding speed 1.2 s



Search for coil eye

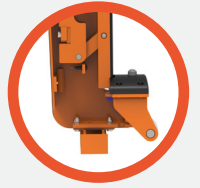
Search for coil eye by light barriers – enables exact positioning of the grab to the coil eye.



More safety

Mechanical load safety device

The mechanical load safety device prevents **unintentional opening under load**. The gripping arms can only be opened when the load has been set down and both safety devices have been relieved.



Stop of gripping arm movement

As soon as the load is applied to the inner side of the gripping arms, the gripping arm closing movement must be switched off. This works either mechanically by **extra large cut-off relays** or **electrically by light sensors** – **your choice!**



Display of the operating states

LED-signal lamps visually indicate the operating states of the load safety device, the stop of gripping arm movement or fault messages.



Designed for the European market!

Designed according to EN 13001 for 125,000 up to 250,000 load cycles.



Good to know

You can choose between two operating modes:

- The operation is **normally** done by the crane control. Here, in addition to the power supply, the connection of the control cable of the coil grab to the crane control must also be realised.
- If the coil grab is to be operated by its own **radio remote control**, all signals are processed directly on the coil grab and only the power supply must be realised via a plug connection.

Approval and release:

- In case of order you will receive the general layout drawing and the wiring diagramm for approval and release before start of production. The approval is to be granted within three days in order to comply with the stated delivery time.

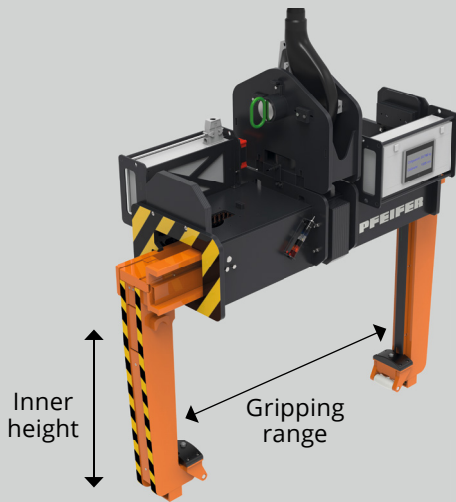
Training and commissioning:

- We would be pleased to train your users in handling the coil grab – either online or at your premises!



Convinced? – Order now...

Standard version ...



- Carrying capacity: kgs
- for single crane hooks 10 up to 25
- Drive by rotating roller chain
- Inner height 950 mm
- Gripping range 300 up to 2,100 mm
- Load safety device
- Cut-off relays ☐ or light sensors ☐

... or choose further equipment:

Drive

- ☐ Spindle drive
- ☐ Blocking system

Suspension

- ☐ for single crane hooks 32 up to 40

Integrated slewing gear

- ☐ for single crane hooks 10 up to 25
- ☐ for single crane hooks 32 up to 40

Smart device

- ☐ NOVA Plus

Gripping arm

- ☐ Inner height 800 mm
- ☐ Inner height 1,100 mm
- ☐ Supporting pad made of plastic
- ☐ Supporting pad made of aluminium
- ☐ Foldable pads
- ☐ Approaching rollers
- ☐ Search for coil eye

Storage/Maintenance

- ☐ Stand with maintenance platform
- ☐ Stand



Delivery time:
6 weeks
Simply
unbeatable!

We are looking forward to your enquiry!



Call us

+49 8331 937 636



Write us

hebetchnik@pfeifer.de

More information on

www.pfeifer.info/nova





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