

**Piab introduces the first-generation heavy-duty adjustable bag grippers in 25 & 50kg payloads for palletizing plastic, woven cloth or paper bags.**

The grippers come in three versions; fixed bag width (FBG), adjustable bag width (ABG), and servo adjustable bag width (SBG). The FBG fixed width models are for your operation with low frequency of bag size changes, the FBG can be re-adjusted within 4 minutes to fit the new bag size. The ABG adjustable width model are for a low to medium frequency of bag changes, the ABG can be re-adjusted within 30 seconds to fit the new bag size. The SBG servo adjustable model, can be adjusted according to your need within seconds and is suitable for the medium to high frequency of bag changes. Independent Decking Plates square-up and align the bag for precise placement on the pallet and creates a very tight loading pattern. Top mounted Bag Clamps maintain bag position on the tool during robot travel to the pallet and allows for high speed and precision in the movement. Slip Sheet and Pallet Hook options are available to increase the flexibility even further.

	<b>Payload:</b>	<b>Bag width:</b>		<b>Bag height:</b>		<b>Bag length:</b>	
<b>Series:</b>	<b>Max:</b>	<b>Min:</b>	<b>Max:</b>	<b>Min:</b>	<b>Max:</b>	<b>Min:</b>	<b>Max*:</b>
ABG/FBG	25 kg	185	450	90	140	250	1000
SBG/ABG/FBG	50 kg	170	500	40	140	250	1000

\*Maximum length of the bag is dependent of the bag content

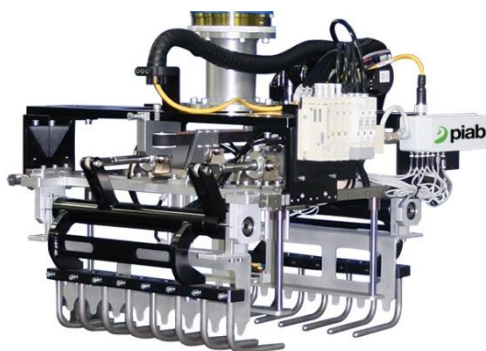
If your need is not covered by the above standard, Piab continues to deliver the custom-made solutions to your requirements.



**FBG**



**ABG**



**SBG**



**Custom-made**

**FBG**

Features:

- Heavy-duty rails and bearings with double seals.
- Simple bag width adjustment by loosening 8 bolts.
- Solid stainless-steel Gripper Fingers, radiused ends to avoid damage to the bag.
- Adjustable Decking Plates are independent of Gripper Fingers which enables a very tight loading pattern and squared-up bags.
- Top-mounted bag clamps secure the bag, allows high speed traversing, faster load times.
- High-flow pneumatic solenoid valves for fast movements.
- Reliable ultrasonic bag presence sensor.
- Custom adaptor plate to accommodate any robot interface.

**Accessories available:**

Slip sheet  
Pallet hooks  
Valve package

**ABG**

Features:

- Heavy-duty rails and bearings with double seals and grease ports. Less maintenance required.
- Hand wheel, opposing thread lead screw, bearing blocks and shaft locks for fast adjustment of bag size.
- Solid stainless-steel Gripper Fingers, radiused ends radiused ends to avoid damage to the bag.
- Adjustable Decking Plates are independent of Gripper Fingers which enables a very tight loading pattern and squared-up bags.
- Top-mounted bag clamps to secure the bag, allows high speed traversing, faster load times.
- High-flow pneumatic solenoid valves for fast movements.
- Reliable ultrasonic bag presence sensor.
- Custom adaptor plate to accommodate any robot interface.

**Accessories available:**

Slip sheet  
Pallet hooks  
Valve package

**SBG**

Features:

- Heavy-duty rails and bearings with double seals and grease ports. Less maintenance required.
- Solid stainless-steel Gripper Fingers, radiused ends radiused ends to avoid damage to the bag
- Adjustable Decking Plates are independent of Gripper Fingers which enables a very tight loading pattern and squared-up bags
- Top-mounted bag clamps to secure the bag, allows high speed traversing, faster load times.
- High-flow pneumatic solenoid valves for fast movements.
- Reliable ultrasonic bag presence sensor.
- Custom adaptor plate to accommodate any robot interface.
- Gearbox with pulley / belt drive system for accurate and fast bag size adjustment.

**Accessories available:**

Slip sheet  
Pallet hooks  
Valve package

**Accessories options to your bag gripper:**

**Slip Sheet includes:**

Stroking pneumatic cylinders equipped with Duraflex cups and 1 PIAB COAX vacuum generator with vacuum confirmation switch

**Pallet Hook option includes\*:**

Rotating pallet hooks that can pick up a pallet, equipped with an ultra-sonic pallet presence sensor. Hooks are controlled via one pneumatic cylinder.

**Valve Package Options:**

Discrete I/O – standard is the default option, though your bag gripper can be equipped with DeviceNet, Ethernet or Custom