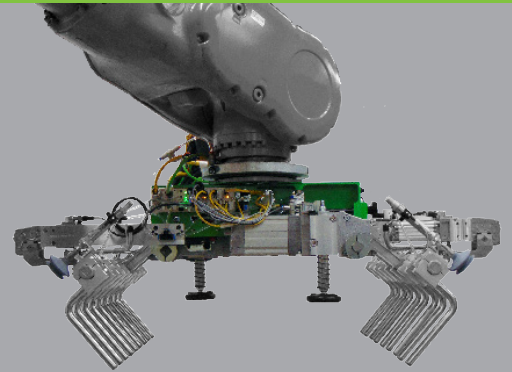


# Palletizing Gripper ARPG - Bag Gripper Options

Applied Robotics Palletizing Gripper (ARPG) – Bag Gripper provides rapid pick-and-place palletizing of bagged products, offering complete robotic control of a palletizing cell.

## Advantages:

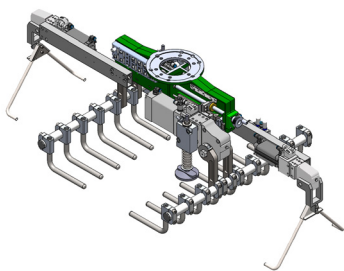
- Flexibility
  - o Options can be used together as one unit or separately, allowing for the same robot to accomplish many tasks.
- Robustness
  - o Engineered construction with select materials provides maximum strength in any industrial environment.



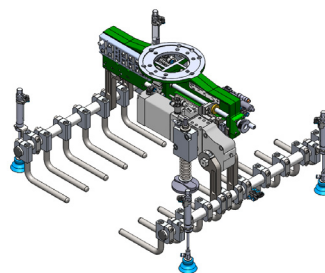
## SPECIFICATIONS

| Option                     | Additional Weight | Operating Pressure | Operating Temperature | Noise Emission (Sound Pressure) |
|----------------------------|-------------------|--------------------|-----------------------|---------------------------------|
|                            | kg (lb)           | bar (psi)          | °C (°F)               | dB (A)                          |
| Pallet Picker              | 2.7<br>(6.0)      | 4 - 6<br>(58 - 87) | 5 - 60<br>(41 - 140)  | ≤ 70 in any direction           |
| Pneumatic Pusher           | 1.0<br>(2.2)      | 4 - 6<br>(58 - 87) | 5 - 60<br>(41 - 140)  | ≤ 70 in any direction           |
| Sheet Picker               | 1.1<br>(2.4)      | 4 - 6<br>(58 - 87) | 5 - 60<br>(41 - 140)  | ≤ 70 in any direction           |
| Servo Bag Width Adjustment | 1.0<br>(2.2)      | 4 - 6<br>(58 - 87) | 5 - 60<br>(41 - 140)  | ≤ 70 in any direction           |

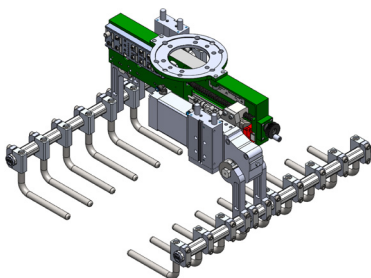
## OPTIONS



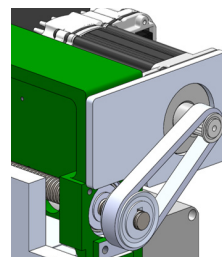
**Pallet Picker**  
Enables picking and placing of standard empty pallets without interrupting palletizing cycle.



**Sheet Picker**  
Allows picking and placing of any type of sheet via suction cups.

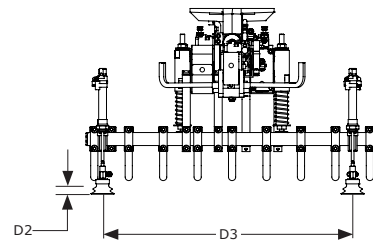
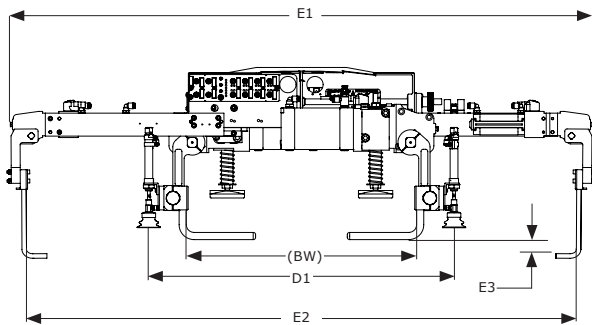
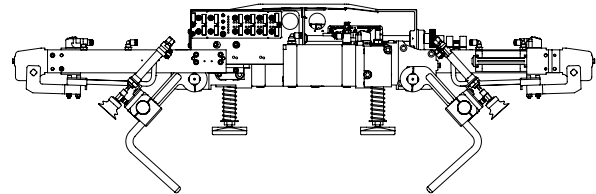
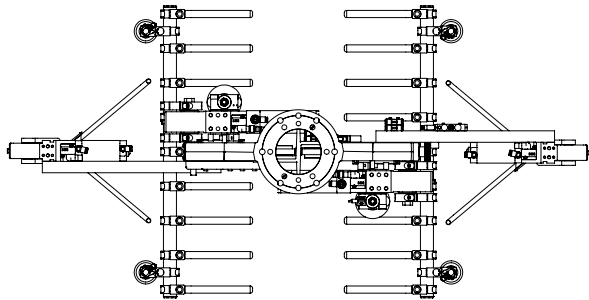


**Pneumatic Pusher**  
Offers controlled clamping and releasing through the use of pneumatic cylinders, as well as giving the same amount of force on all bags, regardless of bag thickness.



**Servo Bag Width Adjustment**  
Provides on-the-fly bag width adjustment so that multiple bag widths can be palletized without the need for operator intervention.





| Model    | Opening Range<br>(Bag Width, BW) |               | Slip Sheet Option  |             |               | Pallet Picker Option |                |                |
|----------|----------------------------------|---------------|--------------------|-------------|---------------|----------------------|----------------|----------------|
|          | B1                               | B2            | D1                 | D2          | D3            | E1                   | E2             | E3             |
| ARPG15   | 200<br>(7.9)                     | 375<br>(14.8) | BW+87<br>(BW+3.42) | 18<br>(0.7) | 381<br>(15.0) | 1288<br>(50.7)       | 1220<br>(48.0) | 37<br>(14.5)   |
| ARPG30   | 300<br>(11.8)                    | 500<br>(19.7) | BW+87<br>(BW+3.42) | 18<br>(0.7) | 534<br>(21.0) | 1288<br>(50.7)       | 1220<br>(48.0) | 37<br>(14.5)   |
| ARPG30-L | 300<br>(11.8)                    | 500<br>(19.7) | BW+87<br>(BW+3.42) | 18<br>(0.7) | 534<br>(21.0) | 1288<br>(50.7)       | 1220<br>(48.0) | 37<br>(14.5)   |
| ARPG50   | 400<br>(15.7)                    | 600<br>(23.6) | BW+87<br>(BW+3.42) | 18<br>(0.7) | 685<br>(29.7) | 1450<br>(57.1)       | 1220<br>(48.0) | 1450<br>(57.1) |
| ARPG50-L | 400<br>(15.7)                    | 600<br>(23.6) | BW+87<br>(BW+3.42) | 18<br>(0.7) | 835<br>(32.9) | 1450<br>(57.1)       | 1220<br>(48.0) | 1450<br>(57.1) |

\* Dimensions are in millimeters (inches).

\*\* All dimensions are descriptive and subject to variation for technical upgrading. We reserve the right to make variations without prior notification.



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