

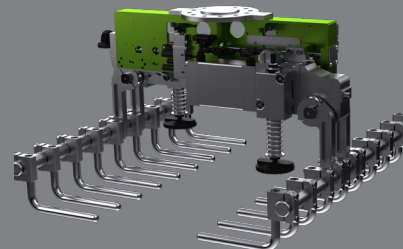
Palletizing Grippers

ARBG Bag Gripper

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

Advantages:

- High Energy Density (Payload to Gripper Weight Ratio)
 - o Doesn't require large robots to palletize lightweight bags.
- Versatility
 - o Gripper width easily adjusts and locks with our patented Self-Locking Rotary Handwheel.
- Failsafe Payload Support
 - o Will not lose payload during loss of power or air.
- Robustness
 - o Engineered construction with select materials provides maximum strength in any industrial environment.
- Bag Present Sensor
 - o Provides assurance that the bag is within the grasp of the gripper.



SPECIFICATIONS

Model	Rated Payload	Supported Bag Length	Bag Width Range	Bag Height	Weight*
ARBG15	15 kg 33 lb	0 - 600 mm 0 - 23.62 in	200 - 375 mm 7.87 - 14.76 in	75 - 150 mm 2.95 - 5.91 in	15.9 kg 35.1 lb
ARBG30	30 kg 66 lb	0 - 750 mm 0 - 29.53 in	300 - 500 mm 11.81 - 19.69 in	75 - 150 mm 2.95 - 5.91 in	27 kg 59.5 lb
ARBG30-L	30 kg 66 lb	0 - 1050 mm 0 - 42.34 in	300 - 500 mm 11.81 - 19.69 in	75 - 150 mm 2.95 - 5.91 in	29 kg 63.9 lb
ARBG50	50 kg 110 lb	0 - 900 mm 0 - 35.43 in	400 - 600 mm 15.75 - 23.62 in	100 - 200 mm 3.94 - 7.87 in	42 kg 92.6 lb
ARBG50-L	50 kg 110 lb	0 - 1050 mm 0 - 42.34 in	400 - 600 mm 15.75 - 23.62 in	100 - 200 mm 3.94 - 7.87 in	46 kg 101.4 lb

* Gripper weight may vary depending on specific configuration.

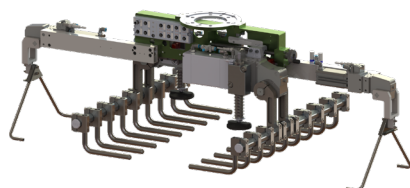
Bags per Minute **30 BPM**

Sound emissions (sound pressure) ≤ 70 dB(A) in jede Richtung

Ambient temperature **5 – 60 °C (41 – 140 °F)**

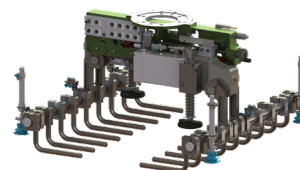
Operating pressure **4 – 6 bar (58 – 87 psi)**

OPTIONS



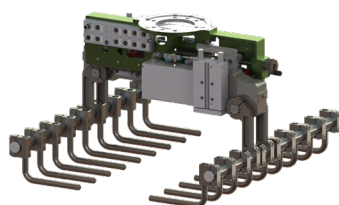
Pallet Picker

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



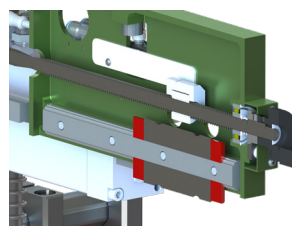
Sheet Picker

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.



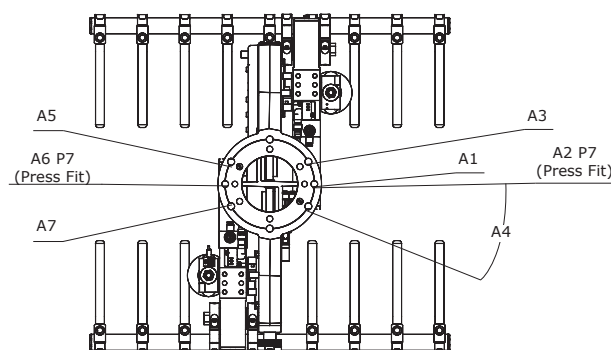
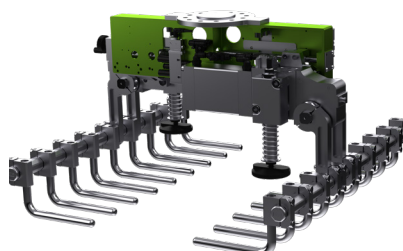
Servo Bag Width Adjustment

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

PRODUCT INFORMATION



03.2.5_Rev.09

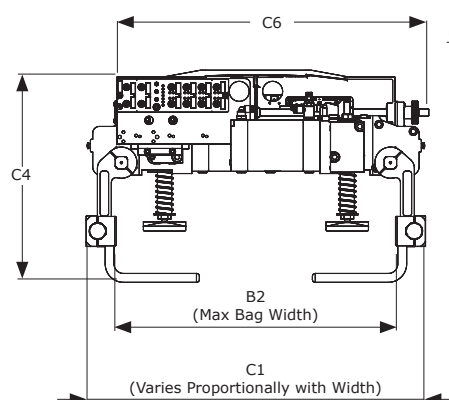


COMMUNICATIONS
(4-Pin D-Coded M12 Ethernet/IP)
(4-Pin D-Coded M12 Profinet)

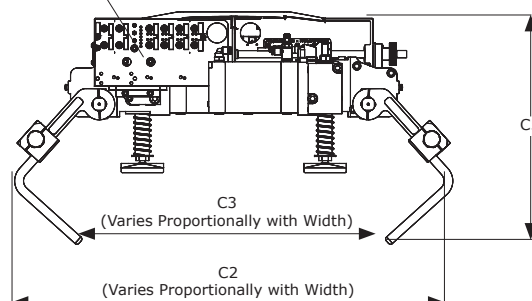
POWER
(5-Pin L-Coded M12 Ethernet/IP)
(5-Pin L-Coded M12 Profinet)

B1
(Min Bag Width)

C7
(Adjustable Pitch)



AIR INPUT
(6mm Push-to Connection)



Mounting Information

Opening Range (Bag Width, BW)

Informational Dimensions

	A1	A2	A3	A4	A5	A6	A7	B1	B2	C1	C2	C3	C4	C5	C6	C7	C8	C9
ARBG15	160 (6.30)	12 (0.47)	12.5 (0.49)	30°	125 (4.92)	10 (0.39)	10.5 (0.41)	200 (7.9)	375 (14.8)	BW+106 (BW+12.3)	BW+311.8 (BW+12.3)	BW+151.7 (BW+6.0)	415 (16.3)	420 (16.5)	563 (22.1)	16 - 200 (0.6 - 7.8)	15.88 (0.625)	494.8 (19.5)
ARBG30	160 (6.30)	12 (0.47)	12.5 (0.49)	30°	125 (4.92)	10 (0.39)	10.5 (0.41)	300 (11.8)	500 (19.7)	BW+106 (BW+4.2)	BW+284.9 (BW+11.2)	BW+50.5 (BW+2.0)	420 (16.5)	420 (16.5)	563 (22.1)	16 - 200 (0.6 - 7.8)	15.88 (0.625)	646.8 (25.5)
ARBG30-L	160 (6.30)	12 (0.47)	12.5 (0.49)	30°	125 (4.92)	10 (0.39)	10.5 (0.41)	300 (11.8)	500 (19.7)	BW+106 (BW+4.2)	BW+284.9 (BW+11.2)	BW+50.5 (BW+2.0)	420 (16.5)	420 (16.5)	563 (22.1)	16 - 200 (0.6 - 7.8)	15.88 (0.625)	951.6 (37.5)
ARBG50	160 (6.30)	12 (0.47)	12.5 (0.49)	30°	125 (4.92)	10 (0.39)	10.5 (0.41)	494.8 (19.48)	611.3 (24.07)	721.8 (28.42)	959.5 (37.78)	713.2 (28.08)	455.6 (17.94)	500 (19.69)	630 (24.80)	16 - 200 (0.6 - 7.8)	15.88 (0.625)	806.3 (31.74)
ARBG50S-L	160 (6.30)	12 (0.47)	12.5 (0.49)	30°	125 (4.92)	10 (0.39)	10.5 (0.41)	494.8 (19.48)	611.3 (24.07)	721.8 (28.42)	959.5 (37.78)	713.2 (28.08)	455.6 (17.94)	500 (19.69)	630 (24.80)	16 - 200 (0.6 - 7.8)	15.88 (0.625)	1111.1 (43.74)

* 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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