



Glass Container Industry

Rugged design and long life for hot glass bottle transferring applications





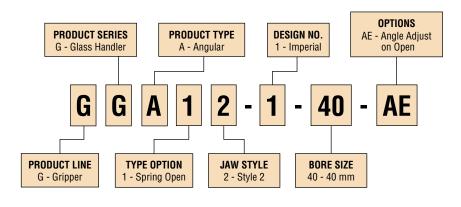


MGGAML01-EU





ORDERING DATA: SERIES GGA GLASS GRIPPER





GGA12-1-40 (Non-adjustable) Replaces previous ML315988



GGA12-1-40-AE (Adjustable) Replaces previous ML316195

BENEFITS: SERIES GGA GLASS GRIPPER

The design of the new GGA Glass Gripper incorporates a cam slot that provide a locking ramp which locks in place when jaws are full open. In addition, it has a cushioning through the cam slot design which also provides a very smooth closing.

Optional -AE provides an easy possibility to adjust the opening angle of the jaws.

- Mechanical Locking: Gripper jaws are locked on full open, thus eliminating jaws and tooling being exposed to additional moments of inertia during gob/bottle transfer onto the conveyor.
- Cam Slot Design: For more grip force, the theoretical grip force with the jaws at parallel is about 347 N at 6 bar [78 lb at 87 psi] and 85 N at 2 bar [19 lb at 29 psi].
- Integrated Smooth ClosingTM: The cushioning is built into the cam slot of the jaws. This is for handling bottles softly to avoid finish cracks.
- Very Precise Jaw Movement: For consistent, repeatable pick up. No pin breaks or jaw play!

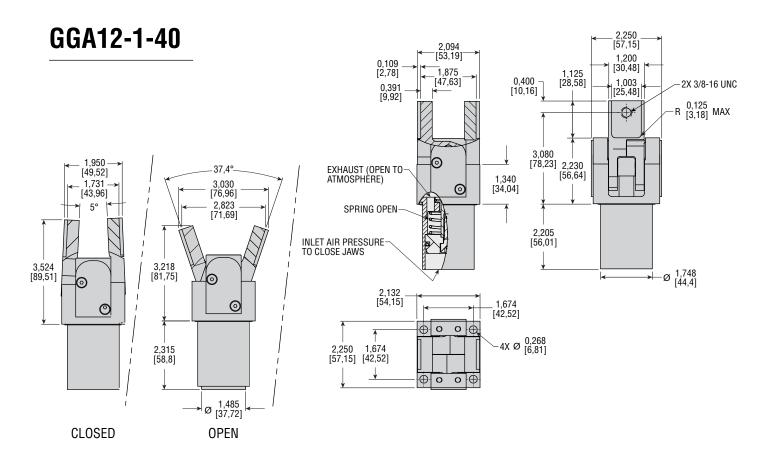
- **Drop-in Replacement:** Replaces Emhart, BDF, Bottero, GPS, Rondot, GR², Lattimer and other glass bottle forming machines
- Anti-Wink: Gripper jaws are locked on full open, thus reducing risk of defects in the container mouth rim.
- Less Downtime: Designed for more than 10 million cycles
- · Easily field repairable, spare parts available upon request

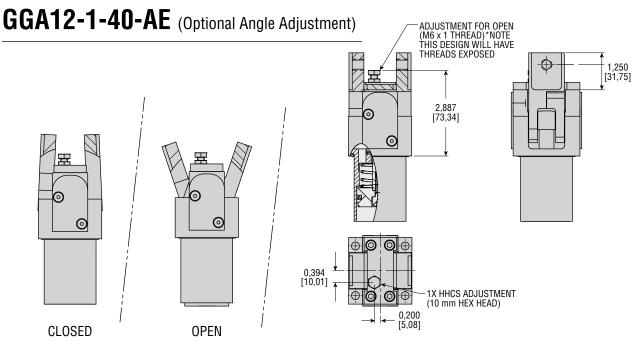
SPECIFICATIONS	SERIES GGA	
WEIGHT	30,4 oz [862 g]	
BORE	40 mm	
JAWS OPEN ANGLE	37,4° (Adjustable on GGA12-1-40-AE)	
JAWS FULL CLOSE ANGLE	5°	
OPERATING PRESSURE	2 to 6 bar	
JAW MATERIAL	Pre-hardened steel	
BODY	Coated	
SPRING OPEN	Spring installed between body and piston	
ROD SCRAPER	High-temp (standard)	

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DIMENSIONS: SERIES GGA GLASS GRIPPER





NOTES:
1) ALL DIMENSIONS ARE FOR REFERENCE ONLY
2) THEORETICAL GRIP FORCE AT PARALLEL IS ABOUT 18 LBS [80 N] AT 30 PSI [2 BAR] AT THREADED HOLES
3) SINGLE-ACTING OPERATION: - SPRING OPEN, AIR PRESSURE CLOSED
4) UNIT RATED FOR 400°F [204°C]



PARTS LIST: SERIES GGA GLASS GRIPPER

KIT DESCRIPTION	KIT NUMBER	COLOR CODE*	
SEAL KIT	Full unit description and -H9000		
REPAIR KIT	Full unit description and -H9010		

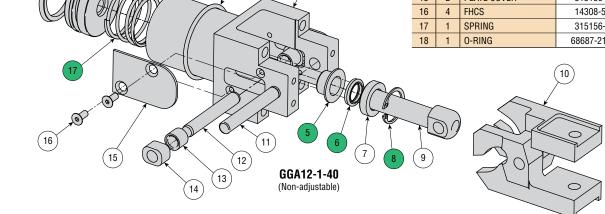
^{*} Color code designates parts to be included in kit

1	1	SHCS	14308-140
2	2	PISTON SEAL	63624-012-2
3	1	PISTON	88059
4	1	BODY	315988-01
5	1	BEARING	86603-020
6	1	ROD SCRAPER	82528-005-02
7	1	SCRAPER HOUSING	315988-08
8	1	RETAINING RING	1987-028
9	1	DRIVER	315156-03
10	2	JAW	315988-02
11	1	PIVOT PIN	62176-04
12	1	DOWEL PIN	52416-111
13	2	BUSHING ROLLER	62098
14	2	BUSHING SLIDER	62100
15	2	PLATE COVER	315156-06
16	4	FHCS	14308-571
17	1	SPRING	315156-07
18	1	0-RING	68687-219-2

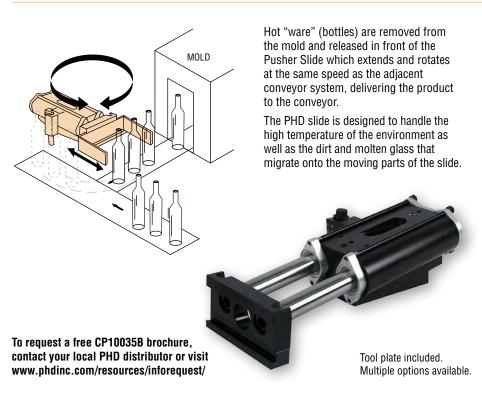
PART DESCRIPTION

PART NUMBER

KEY QTY



OTHER GLASS SOLUTIONS: GLASS PUSHER SLIDE



PRODUCTS:

- ML310814 (Slide and Tool Plate)
- ML310815 (Slide and Tool Plate)
- ML310035 (Slide only)
- Direct replacement for existing angle slides on Bottero and Emhart machines.
- Faster retract speed due to special built-in quick exhaust valve.
- Long life design due to the choice of seals, coatings, close tolerance machining, and assembly withstanding the environment.
- Rod scrapers prevent contamination of internal seals and bearings promoting longer life.
- Lower cost unit offered without position adjuster.
- Easily field repairable with repair and seal kits.
- Energy savings due to larger rods and 20% smaller bores.

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