

piGRAB kit



- Vacuum activated gripper/grabber, suitable for gentle and compliant gripping operations as well as locking/holding.
- Introduction kits - includes several options for arms and end-effector fingers.
- Suction cup with G1/8" male can be used as an end-effector finger. The enclosed flow-restrictor must be used in the arm when a cup is used.
- Available for individual vacuum source, such as Piab's VGS™3010, or a centralized vacuum source.
- Easy to fine-tune the gripping torque/force by controlling the vacuum level. piSAVE optimize and piSAVE on/off are products for vacuum level control.
- Application examples: Vision guided Bin-picking, pallet lifting, gentle handling of parts such as glass, fruits, etc.

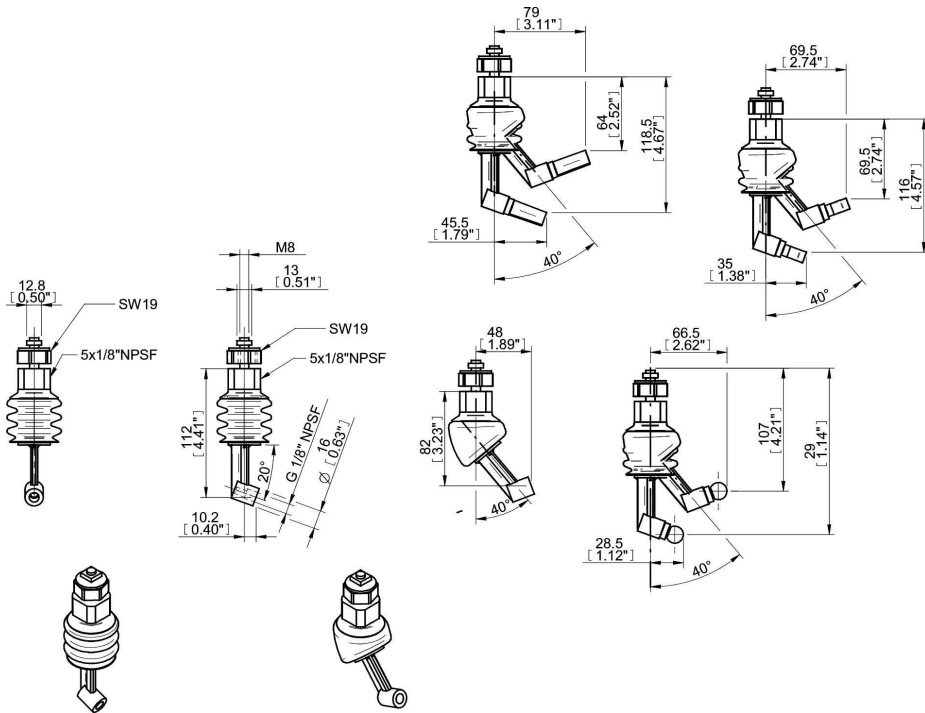
Technical data

Description	Unit	Value
Feed pressure, max.	psi	Atm. pressure
Vacuum	-inHg	Operating range min.29.92
Material		POM, PA, TPU, SS, AI, NBR
Temperature range	° F	-4-176
Weight	oz	2.98
Volume	in ³	1.22
Connection, centralized vacuum source		5x1/8" NPSF, Top profile kit M8 27 mm
Connection, decentralized vacuum source		G3/8" male
Max. load at 18 -inHg, tangential force at 30° actuation	lb	1.98
Action range	°	40 ±1.5
Accuracy, non actuated	°	0-7
Accuracy, actuated	°	40 ±1.5
Life span	cycles	5 million
Vacuum flow at 3 -inHg (when cup is used with end-effector finger)	scfm	Straight arm = 0.59 / Elbow arm = 1.55
Bore-through diameter	in	Straight = 0.12/ Elbow = 0.19

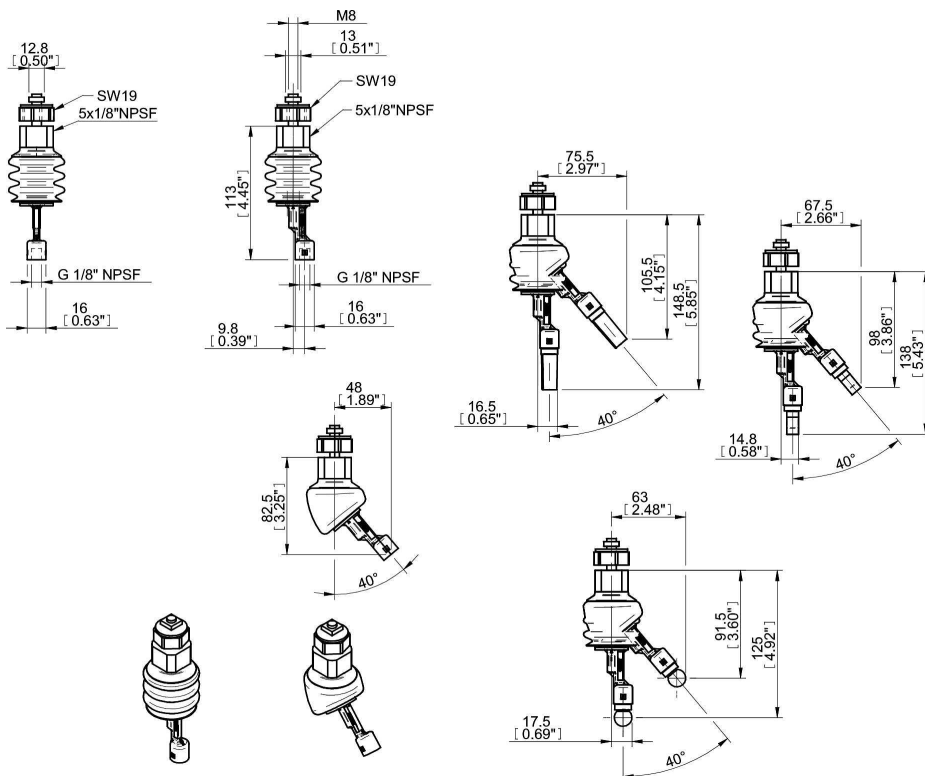
Ordering information

	Description	Part No.
A	piGRAB kit with fitting 5x1/8" NPSF	01.28.756
B	piGRAB kit with fitting G3/8" male	01.29.044

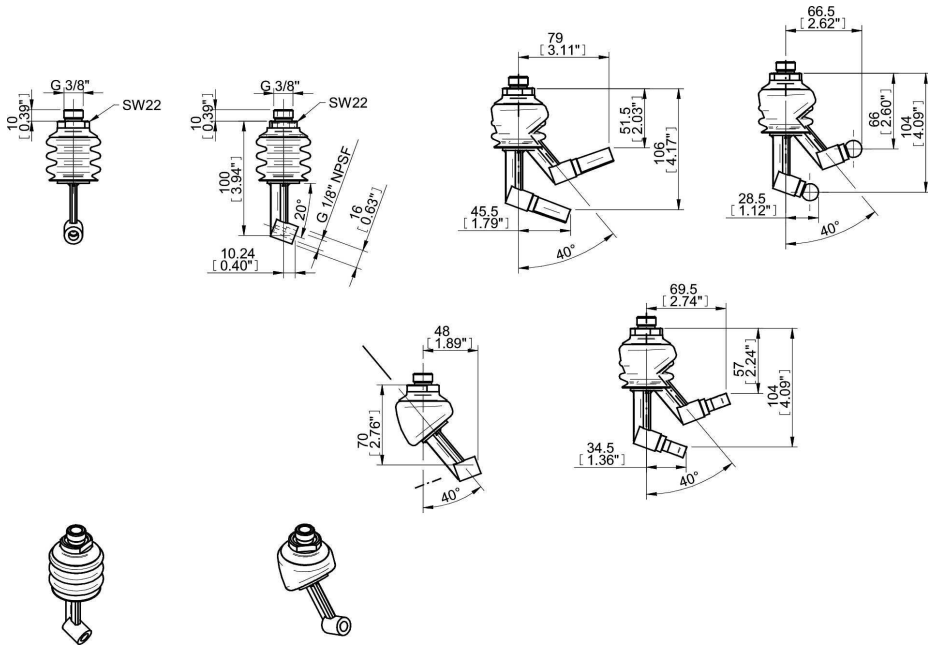
piGRAB kits are assembled with elbow arm. Straight arm and end-effector fingers are included.



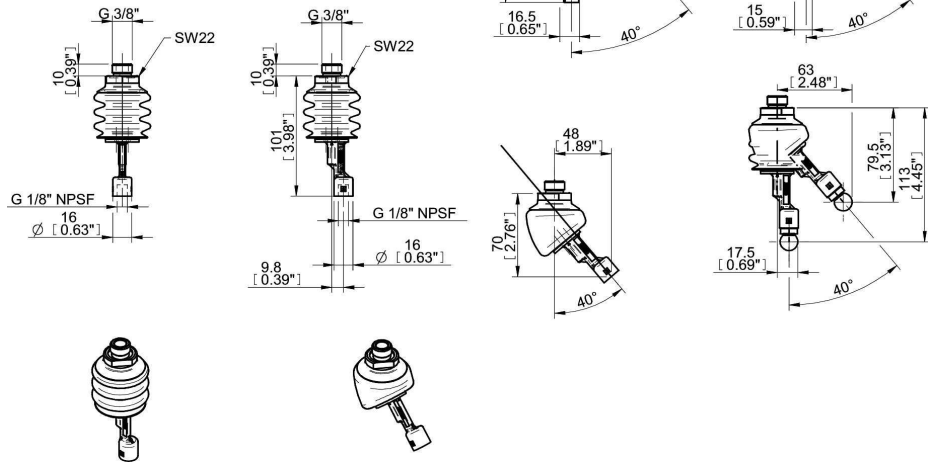
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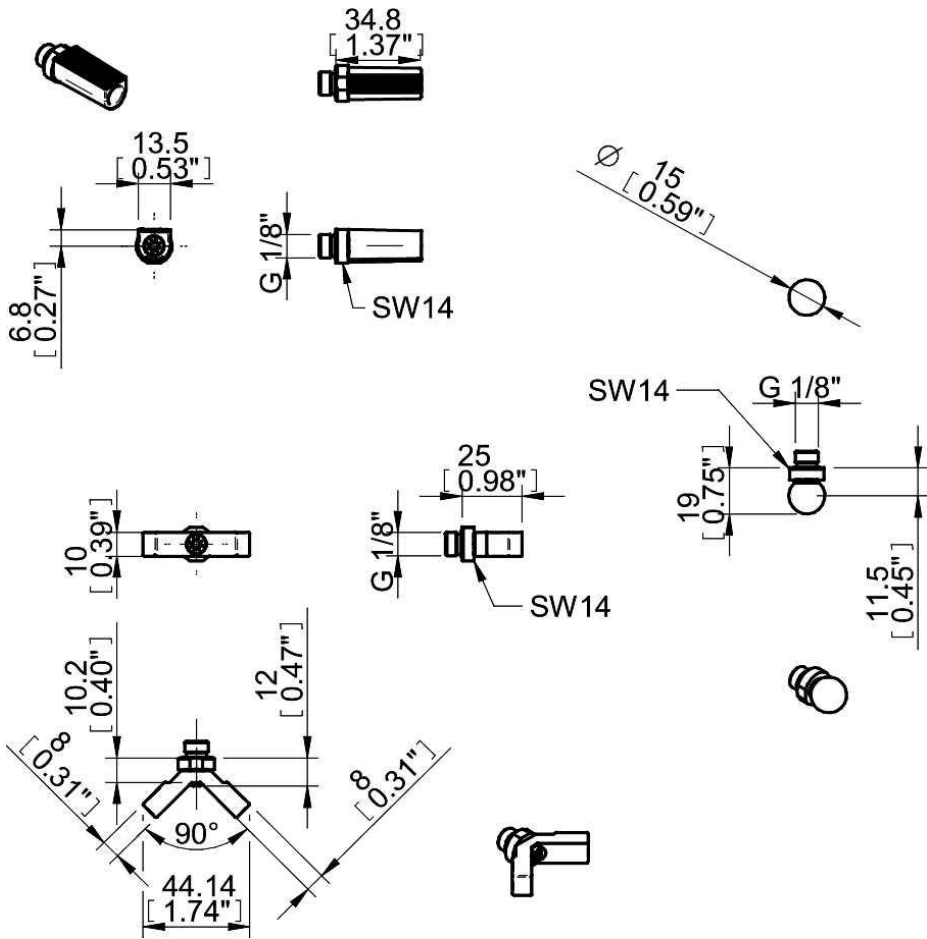
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End-effector fingers