

Speciality Grippers

01/30/2025



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Speciality Grippers

GR-SPC-1

Speciality Grippers

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FUA SERIES

Angular Food Grippers | Features and Benefits | How To Order

Features:

- Designed for direct product contact in the food zone, according to the food industry standard (EN 1672-2)
- All parts are corrosion resistant, non-toxic, non-contaminating, non-porous, non-absorbent and non-reactive
- Stainless steel design resists chemical cleaning procedures
- Electro-polished exterior with no recessed or inaccessible zones prevents retention of contaminants and simplifies cleaning
- Sealed motion components (IP69K design) for high-pressure and high-temperature daily cleanings
- Any metal/metal contact protected by gasket to obtain a leakproof assembly against bacteria
- Angular gripper design for easier radial sealing of jaws
- Optional safety springs for external gripping, in case of air supply failure, in single acting or spring assist mode
- No external fasteners to avoid any foreign matter in food
- Contains special lubricants suitable for food industry
- Long maintenance-free service life

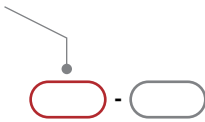


Applications:

- Food zone and splash zone handling of product
- Non-food zone applications
- Other applications requiring a sealed and corrosion resistant gripper

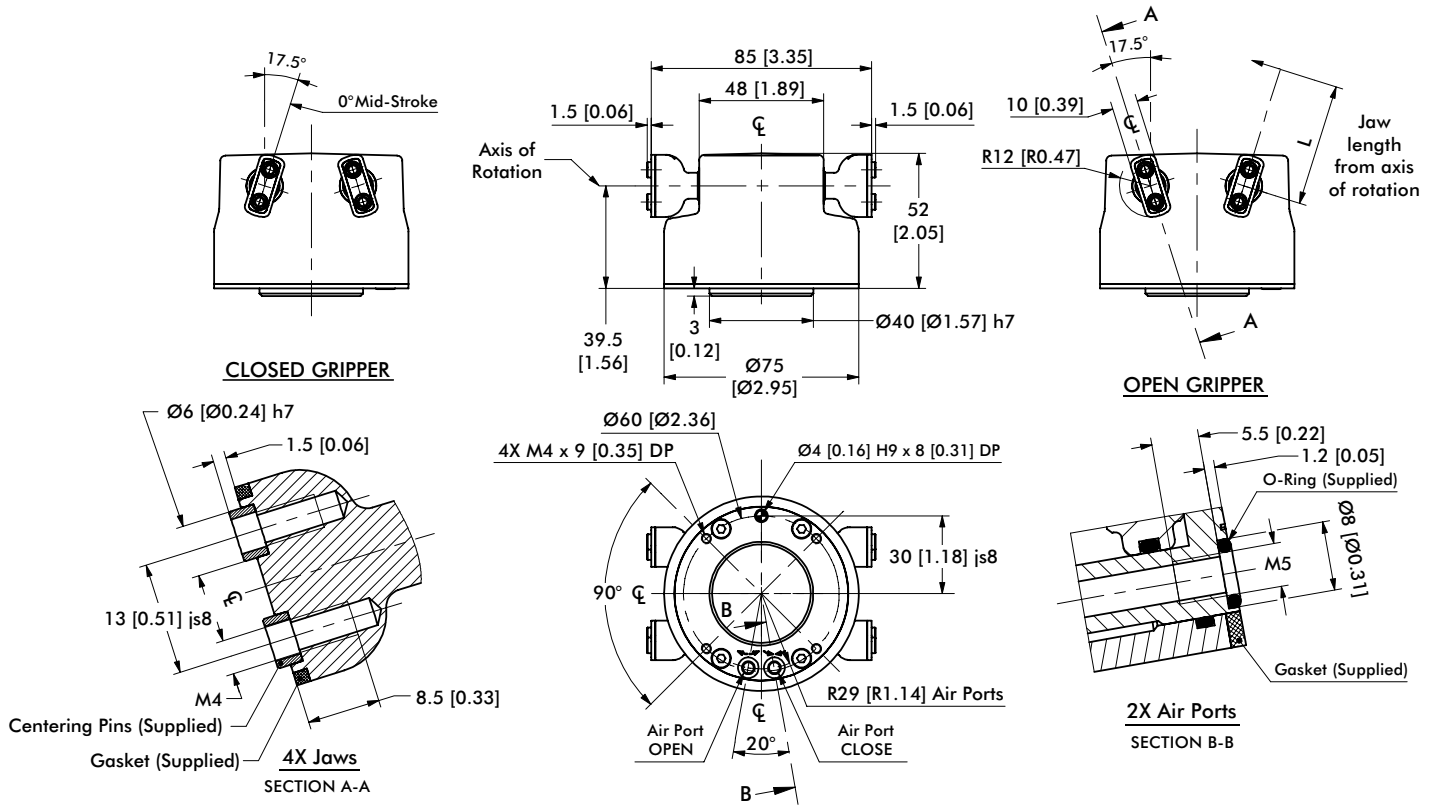
How To Order

Base Model
FUA-50M
FUA-63M

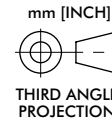


Spring	Description
"Blank"	None
C	Spring Closed

Angular Food Grippers | Dimensions and Technical Specifications

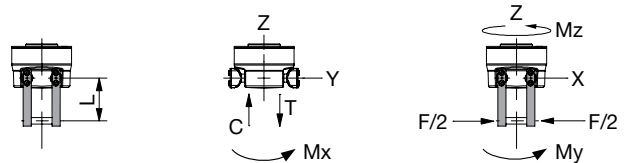
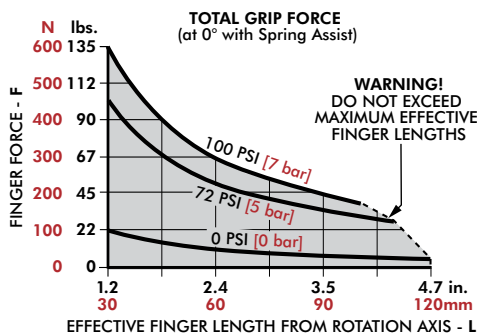


Specifications	Units	FUA-50M
Torque, Jaws @ 6 bar [87 psi]		
@ 35° w/o spring (closing)	Nm [in-lbs]	13 [115]
@ 35° w/spring (closing)	Nm [in-lbs]	16 [142]
@ 0° w/o spring (opening)	Nm [in-lbs]	14 [124]
Total Stroke		70°
Weight (Stainless Steel)	kg [lbs]	1,06 [2.34]
Pressure Range	bar [psi]	3-7 [44-100]
Ingress Protection Class (IP)		IP69K
Displacement	cm ³ [in ³]	30,2 [1.84]
Temperature Range	°C [°F]	-15°~80° [5°~175°]
Actuation (open/close)	sec	0.07 / 0.07



Seal Repair Kits	Order #
Flat Seals Repair Kit (Jaw and Body)	SLKT-424
Complete Seal Repair Kit (includes Flat Seals)	SLKT-425
Rear and Body Seal Repair Kit (Include Air Port O-Rings)	SLKT-428

Loading Information

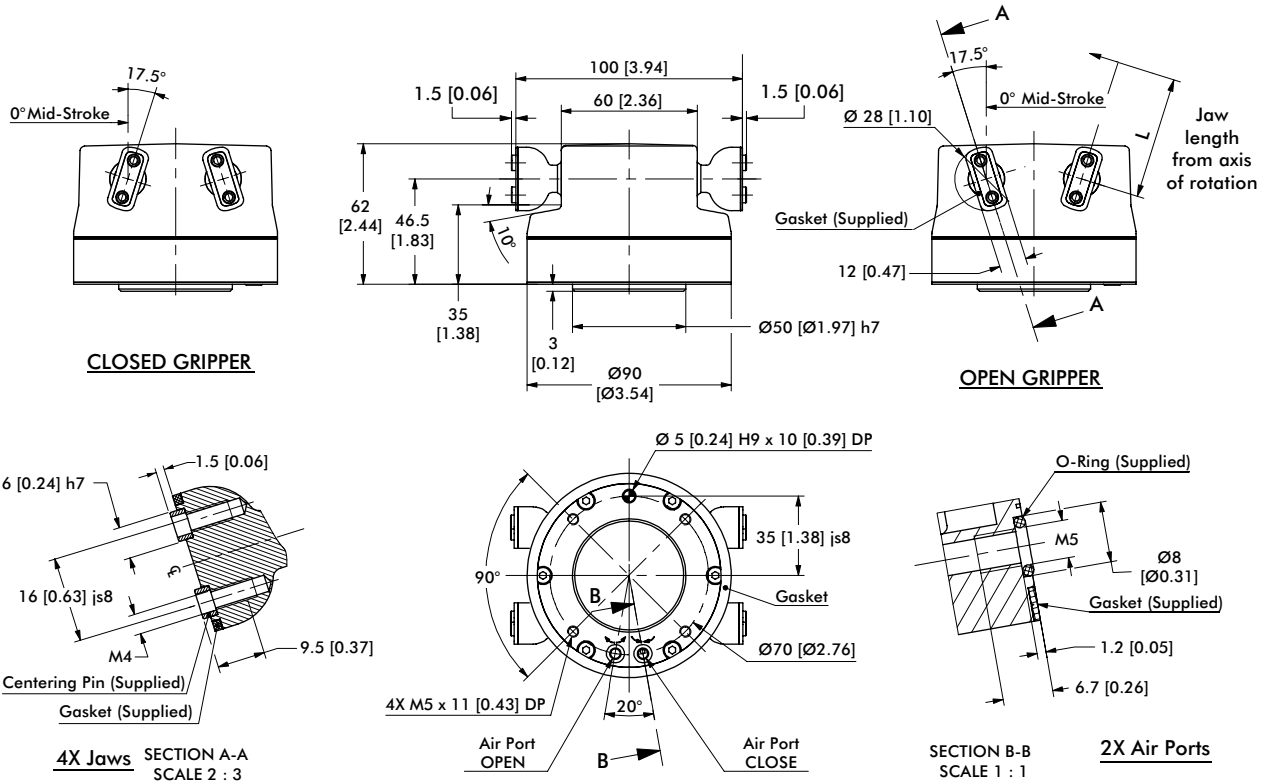


RUA-162M	Static	Dynamic
Maximum Tensile T	305 N [69 lbs]	61 N [14 lbs]
Maximum Compressive C	305 N [69 lbs]	61 N [14 lbs]
Maximum Moment M _x	21 Nm [186 in-lbs]	5,3 Nm [47 lbs]
Maximum Moment M _y	--	--
Maximum Moment M _z	21 Nm [186 in-lbs]	5,3 Nm [47 lbs]

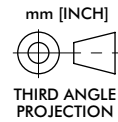
*Capacities are per set of jaws and are not simultaneous

FUA-63M

Angular Food Grippers | Dimensions and Technical Specifications

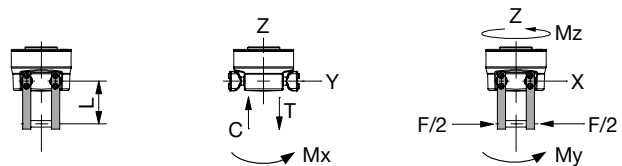
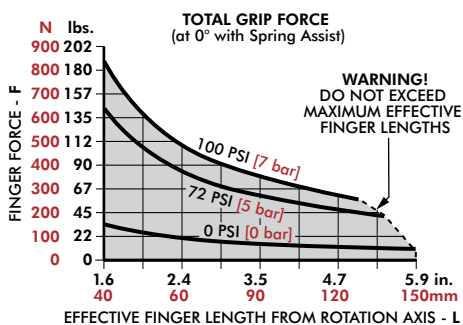


Specifications	Units	FUA-63M
Torque, Jaws @ 6 bar [87 psi]		
@ 35° w/o spring (closing)	Nm [in-lbs]	23 [204]
@ 35° w/spring (closing)	Nm [in-lbs]	29 [257]
@ 0° w/o spring (opening)	Nm [in-lbs]	25 [221]
Total Stroke		70°
Weight (Stainless Steel)	kg [lbs]	1.75 [8.27]
Pressure Range	bar [psi]	3-7 [44-100]
Ingress Protection Class (IP)		IP69K
Displacement	cm ³ [in ³]	53,8 [3.30]
Temperature Range	°C [°F]	-15°~80° [5°~175°]
Actuation (open/close)	sec	0.08 / 0.08



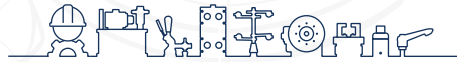
Seal Repair Kits	Order #
Flat Seals Repair Kit (Jaw and Body)	SLKT-426
Complete Seal Repair Kit (includes Flat Seals)	SLKT-427
Rear and Body Seal Repair Kit (Include Air Port O-Rings)	SLKT-429

Loading Information



RUA-162M	Static	Dynamic
Maximum Tensile T	360 N [81 lbs]	72 N [16 lbs]
Maximum Compressive C	360 N [81 lbs]	72 N [16 lbs]
Maximum Moment M _x	33 Nm [292 in-lbs]	8,3 Nm [73 in-lbs]
Maximum Moment M _y	--	--
Maximum Moment M _z	33 Nm [292 in-lbs]	8,3 Nm [73 in-lbs]

¹Capacities are per set of jaws and are not simultaneous



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