

# REP2 SERIES

## 2-Jaw General Industrial Grippers | Product Features, How to Order

### Features:

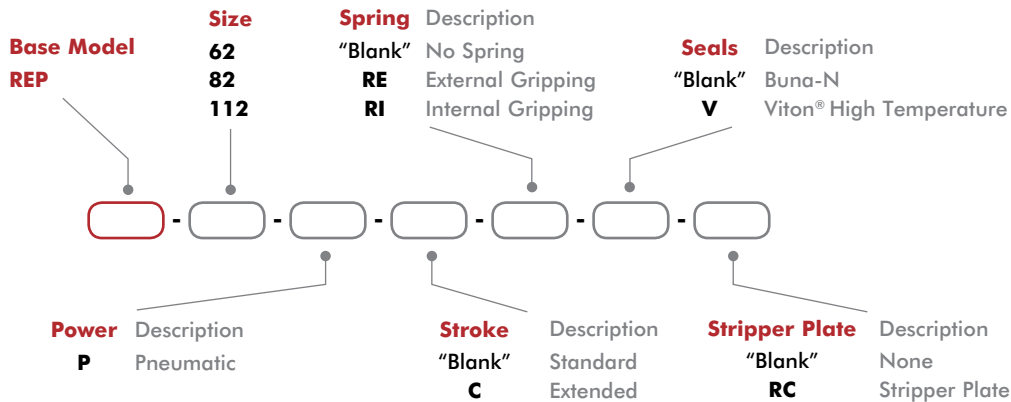
- Compact cam lever design general purpose gripper
- Pneumatic and Hydraulic operation options
- Spring assist option for part retention in case of air pressure loss
- Standard and extended stroke option available
- Shielded design for harsh environments
- Magneto-resistive and Inductive sensing

### Applications:

- Assembly manufacturing cells
- Packaging applications
- General purpose gripping



## How To Order



## Accessories

Sensor Accessories	Model Numbers	Part Number	Qty/Unit
NPN Inductive Sensor with M8 Quick Disconnect*	All Models	OISN-011	1-4
PNP Inductive Sensor with M8 Quick Disconnect*	All Models	OISP-011	1-4
NPN Magneto Resistive Sensor with Quick Disconnect*	All Models	OHSN-006	1-2
PNP Magneto Resistive Sensor with Quick Disconnect*	All Models	OHSP-006	1-2
NPN Magneto Resistive Sensor (Short Barrel) with Qk Disconnect*	All Models	OHSN-008	1-2
PNP Magneto Resistive Sensor (Short Barrel) with Qk Disconnect*	All Models	OHSP-008	1-2
M8 Quick Disconnect 2 Meter Cable Length*	All Models	CABL-010	1-4
M8 Quick Disconnect 2 Meter Cable Length*	All Models	CABL-013	1-4
Inductive Sensor Mounting Kit (Mounts 2 Sensors)	62	SD-REP-62	1-2
Inductive Sensor Mounting Kit (Mounts 2 Sensors)	82	SD-REP-82	1-2
Inductive Sensor Mounting Kit (Mounts 2 Sensors)	112	SD-REP-112	1-2

\* Sensor and cable sold separately.

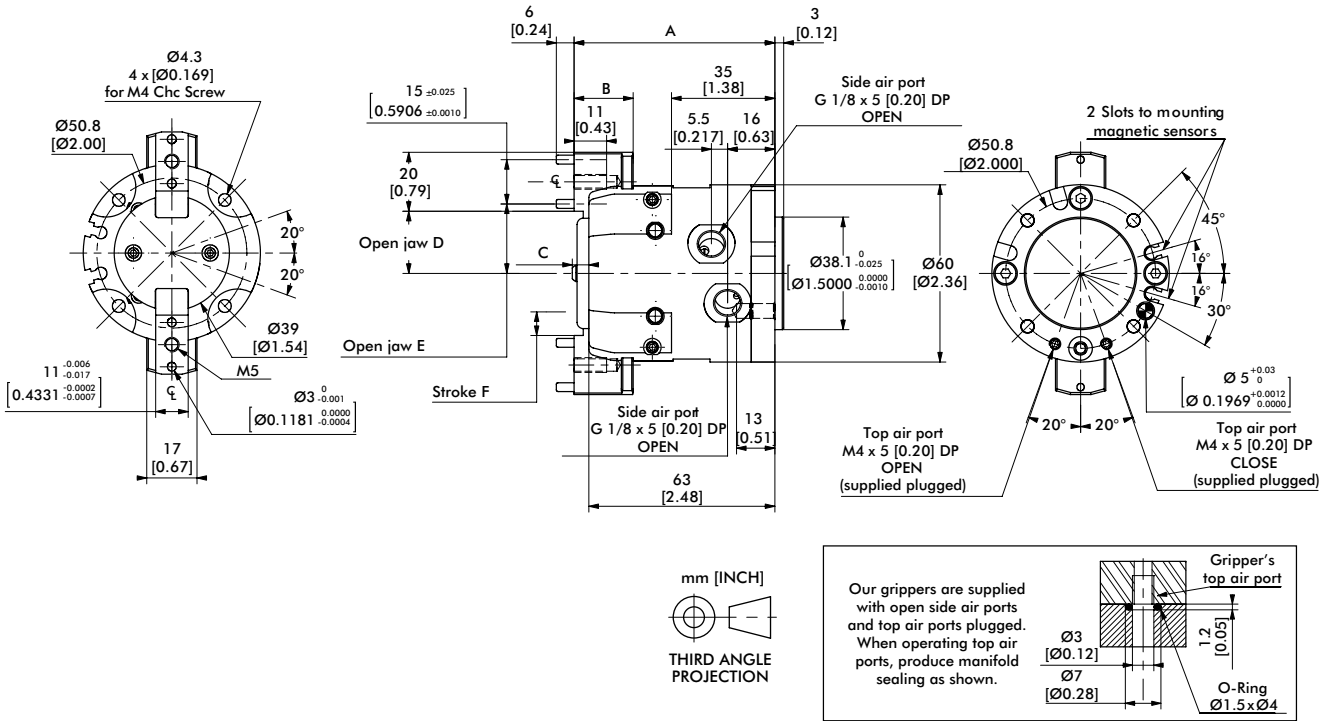
## 2-Jaw General Industrial Grippers | Technical Specifications

Specifications	Units	62	62-C	82	82-C	112	112-C	
Total Rated Grip Force <b>F</b> @ 100 psi [7 bar]*	N [lbs]	771 [173]	480 [108]	2140 [481]	1382 [311]	3351 [753]	2233 [502]	
Total Stroke	mm [in]	10 [0.394]	16 [0.630]	13 [0.512]	20 [0.787]	20 [0.787]	30 [1.181]	
Weight	kg [lbs]	0.55 [1.2]		0.9 [2.0]		2.45 [5.4]		
Pressure Range w/o Spring	bar [psi]	2-7 [30-100]						
Pressure Range with Spring	bar [psi]	3-7 [45-100]			4-7 [60-100]			
Ingress Protection Class (IP)		IP55						
Displacement	cm <sup>3</sup> [in <sup>3</sup> ]	12 [0.72]		35 [2.13]		87 [5.31]		
Temperature Range (Buna-N seals)	°C [°F]	-35°~80° [-30°~180°]						
Temperature Range (Viton® seals)	°C [°F]	-30°~150° [-20°~300°]						
Actuation (open/close)	sec	0.10		0.18		0.35		
Accuracy	mm [in]	±0.05 [±0.002]						
Repeatability	mm [in]	±0.02 [±0.0008]						
Valve to Actuate Single Acting		3-way, 2-position						
Valve to Actuate Double Acting		4-way, 2-position						

\* with springs

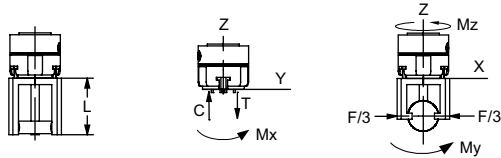
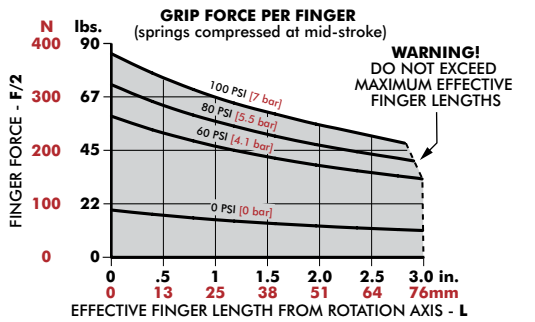
# REP-62, -62-C

## 2-Jaw General Industrial Grippers | Dimensions and Technical Specifications



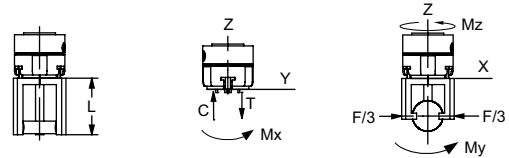
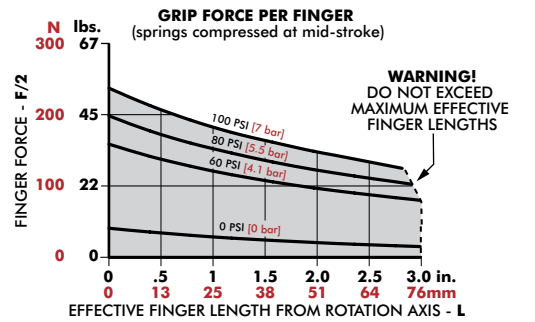
Model	A	B	C	D	E	F	Seal Repair Kits	REP-62
REP-62	64 [2.52]	16 [0.63]	1.6 [0.063]	15 [0.59]	17.5 [0.689]	5 [0.20]	Buna-N Seal Repair Kit	SLKT-155
REP-62-C	68 [2.68]	20 [0.79]	5.6 [0.220]	21 [0.83]	23.5 [0.926]	8 [0.31]	Viton® Seal Repair Kit	SLKT-155V

### Loading Information



REP-62	Static
Maximum Tensile <b>T</b>	575 N [129 lbs]
Maximum Compressive <b>C</b>	760 N [171 lbs]
Maximum Moment <b>M<sub>x</sub></b>	13 Nm [115 in-lbs]
Maximum Moment <b>M<sub>y</sub></b>	23 Nm [204 in-lbs]
Maximum Moment <b>M<sub>x</sub></b>	36 Nm [319 in-lbs]

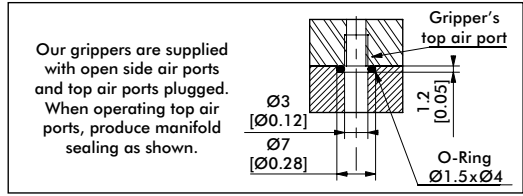
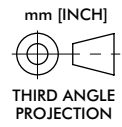
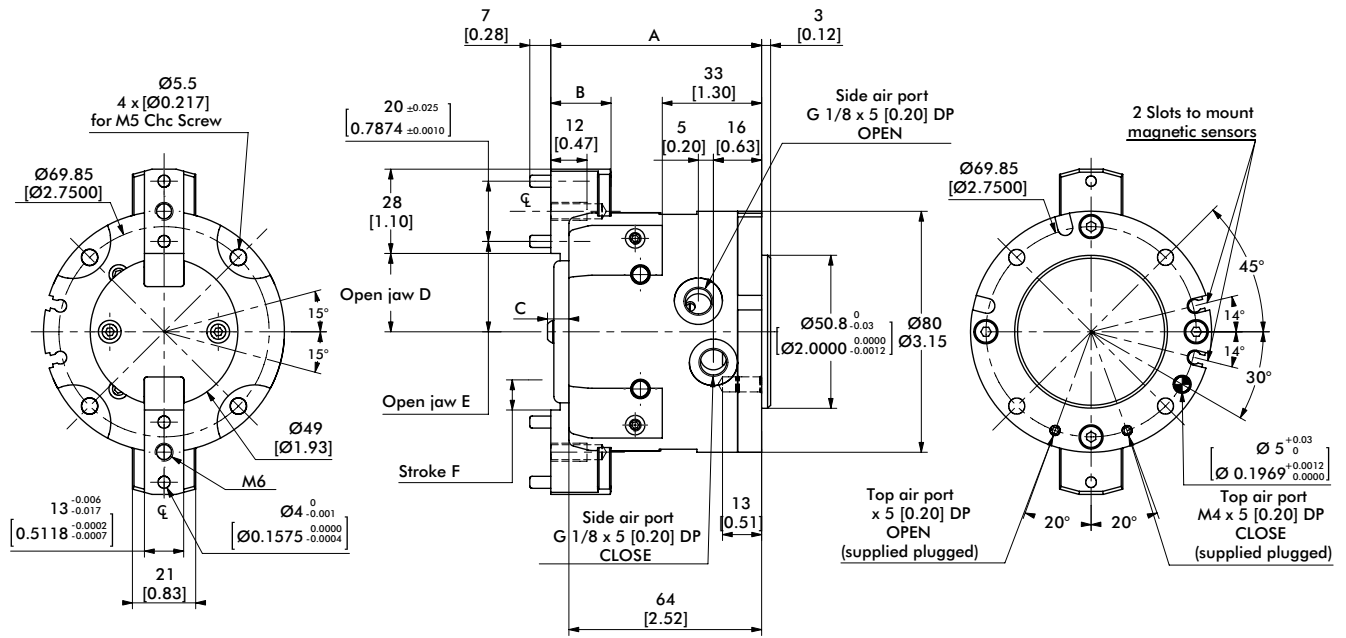
†Capacities are per set of jaws and are not simultaneous



REP-62-C	Static
Maximum Tensile <b>T</b>	575 N [129 lbs]
Maximum Compressive <b>C</b>	760 N [171 lbs]
Maximum Moment <b>M<sub>x</sub></b>	13 Nm [115 in-lbs]
Maximum Moment <b>M<sub>y</sub></b>	23 Nm [204 in-lbs]
Maximum Moment <b>M<sub>x</sub></b>	36 Nm [319 in-lbs]

†Capacities are per set of jaws and are not simultaneous

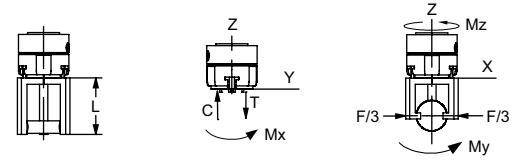
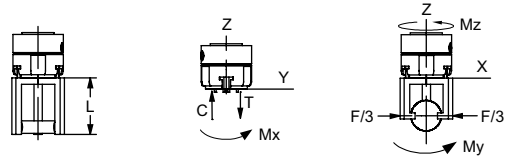
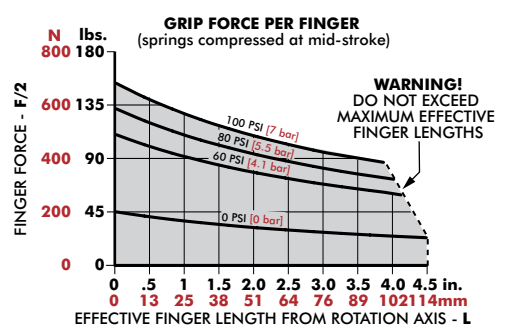
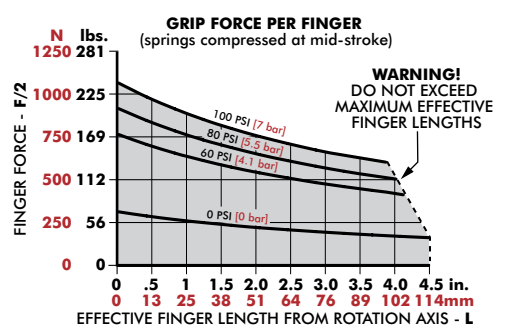
## 2-Jaw General Industrial Grippers | Dimensions and Technical Specifications



Model	A	B	C	D	E	F
REP-82	65 [2.56]	15 [0.59]	2.1 [0.083]	19 [0.75]	23 [0.91]	6.5 [0.26]
REP-82-C	70 [2.76]	20 [0.79]	7.1 [0.280]	26 [1.02]	30 [1.18]	10 [0.39]

Seal Repair Kits	REP-82
Buna-N Seal Repair Kit	SLKT-157
Viton® Seal Repair Kit	SLKT-157V

### Loading Information



REP-82	Static
Maximum Tensile <b>T</b>	890 N [200 lbs]
Maximum Compressive <b>C</b>	1000 N [225 lbs]
Maximum Moment <b>M<sub>x</sub></b>	22 Nm [195 in-lbs]
Maximum Moment <b>M<sub>y</sub></b>	45 Nm [398 in-lbs]
Maximum Moment <b>M<sub>z</sub></b>	45 Nm [398 in-lbs]

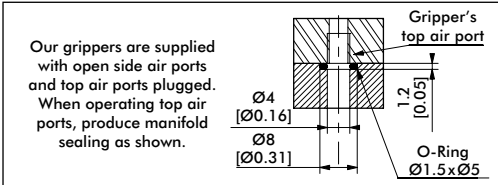
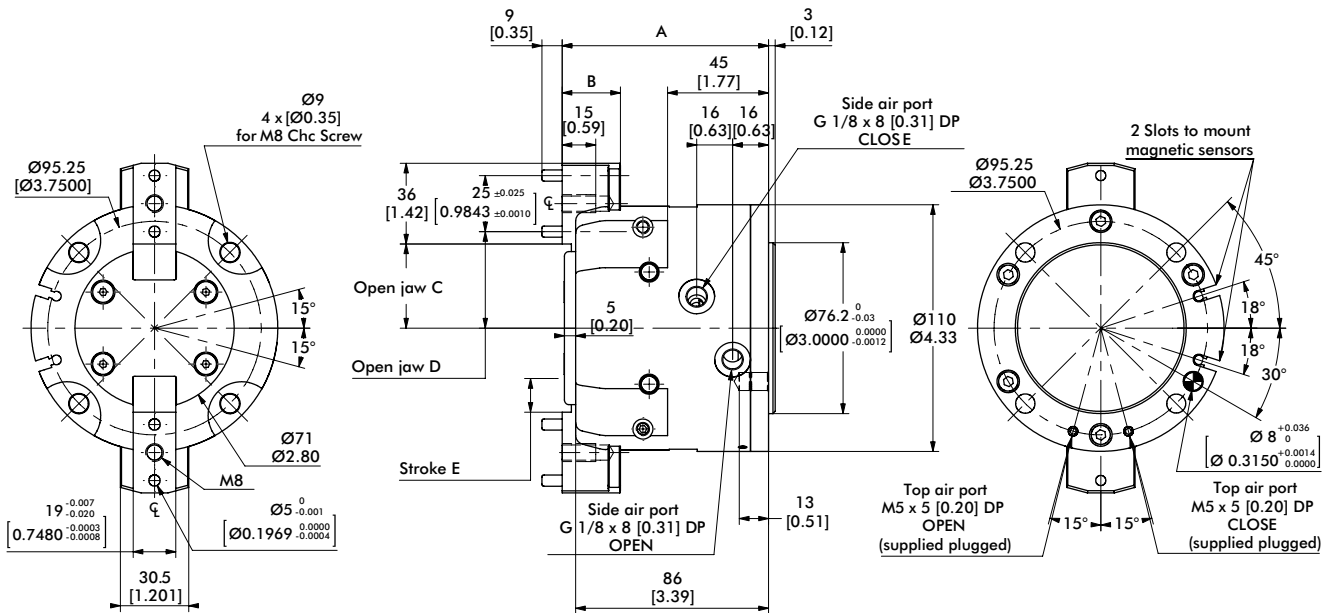
REP-82-C	Static
Maximum Tensile <b>T</b>	810 N [182 lbs]
Maximum Compressive <b>C</b>	910 N [205 lbs]
Maximum Moment <b>M<sub>x</sub></b>	20 Nm [177 in-lbs]
Maximum Moment <b>M<sub>y</sub></b>	40 Nm [354 in-lbs]
Maximum Moment <b>M<sub>z</sub></b>	42 Nm [372 in-lbs]

<sup>1</sup>Capacities are per set of jaws and are not simultaneous

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# REP-112, -112-C

## 2-Jaw General Industrial Grippers | Dimensions and Technical Specifications

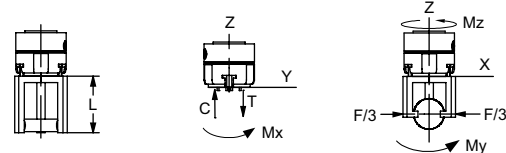
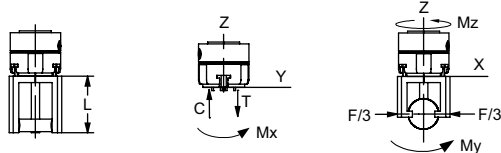
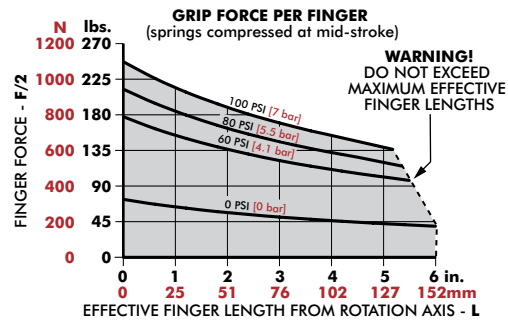
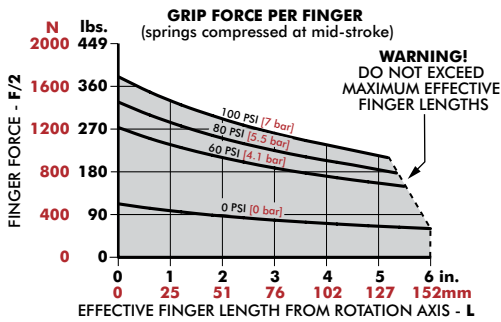


Our grippers are supplied with open side air ports and top air ports plugged. When operating top air ports, produce manifold sealing as shown.

Model	A	B	C	D	E
REP-112	87 [3.43]	21 [0.83]	27.5 [1.083]	33 [1.30]	10 [0.39]
REP-112-C	92 [3.62]	26 [1.02]	37.5 [1.476]	43 [1.69]	15 [0.59]

Seal Repair Kits	REP-112
Buna-N Seal Repair Kit	SLKT-155
Viton® Seal Repair Kit	SLKT-155V

### Loading Information



REP-112	Static
Maximum Tensile <b>T</b>	1320 N [297 lbs]
Maximum Compressive <b>C</b>	1430 N [321 lbs]
Maximum Moment <b>M<sub>x</sub></b>	44 Nm [389 in-lbs]
Maximum Moment <b>M<sub>y</sub></b>	75 Nm [664 in-lbs]
Maximum Moment <b>M<sub>z</sub></b>	70 Nm [620 in-lbs]

<sup>†</sup>Capacities are per set of jaws and are not simultaneous

REP-112-C	Static
Maximum Tensile <b>T</b>	1320 N [297 lbs]
Maximum Compressive <b>C</b>	1430 N [321 lbs]
Maximum Moment <b>M<sub>x</sub></b>	38 Nm [336 in-lbs]
Maximum Moment <b>M<sub>y</sub></b>	75 Nm [664 in-lbs]
Maximum Moment <b>M<sub>z</sub></b>	70 Nm [620 in-lbs]

<sup>†</sup>Capacities are per set of jaws and are not simultaneous