





Power cylindrical grippers made of light alloy, with 3 parallel stroke jaws, concentric clamping for applications requiring a high clamping force, reliability, interchangeability and flexibility.

- Repeatability: 0.04 mm
- Basic pneumatic operation, max. 10 bars (P)
- Possible operation inlet on diameter and at the rear,

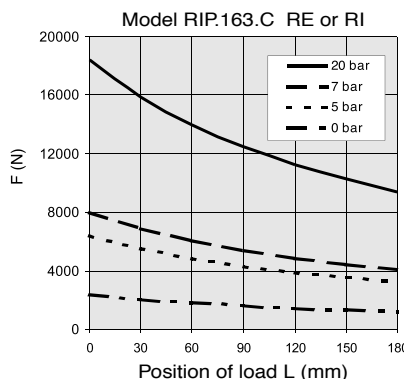
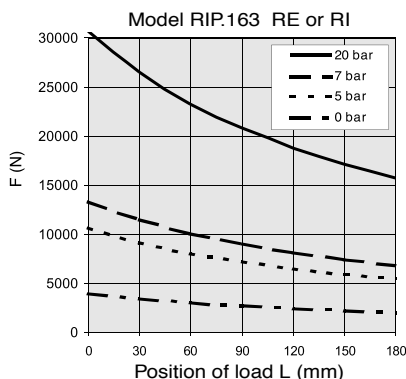
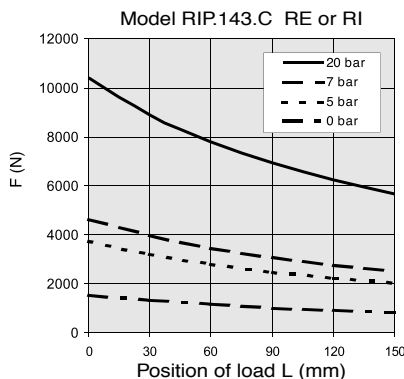
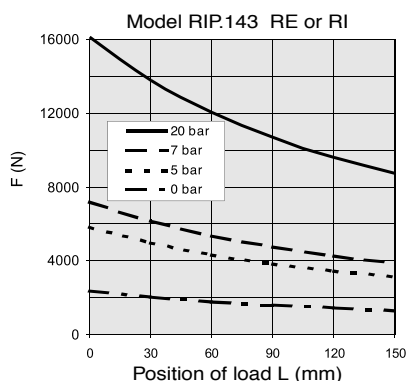
OPTIONAL FEATURES:

- Hydraulic operation at max. 20 bars (H)
- **WARNING** : cycle times are longer with hydraulics (please contact us) Hydraulic grippers (H) 20 bars max. must be mounted on their support before being operated.
- Safety springs for arbor clamping (RE) 
- Safety springs for bore clamping (RI) 
- For the spring features a min. pressure of 5 bars is required. Springs also allow the use of grippers for single action.
- Special stroke (C)
- Sealing cover – special order consult factory
- Viton® seals for use under high temperature from 80° to 200° max. (V)

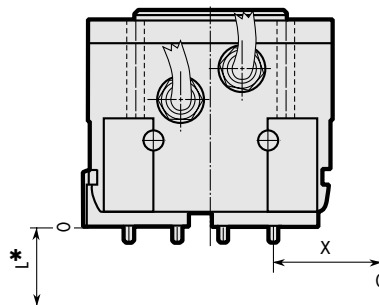
ACCESSORIES:



- Inductive sensor holder (SD)

Accessories	Ordering ref	Quantity
inductive sensor holder	SD.140.P	please specify
	SD.165.P	



F (N) : Sum of forces (Newton) transmitted by the jaws to the component.



-  Clamping in bore : (RI)
-  Clamping on arbor : (RE)

X (mm) : jaw movement.

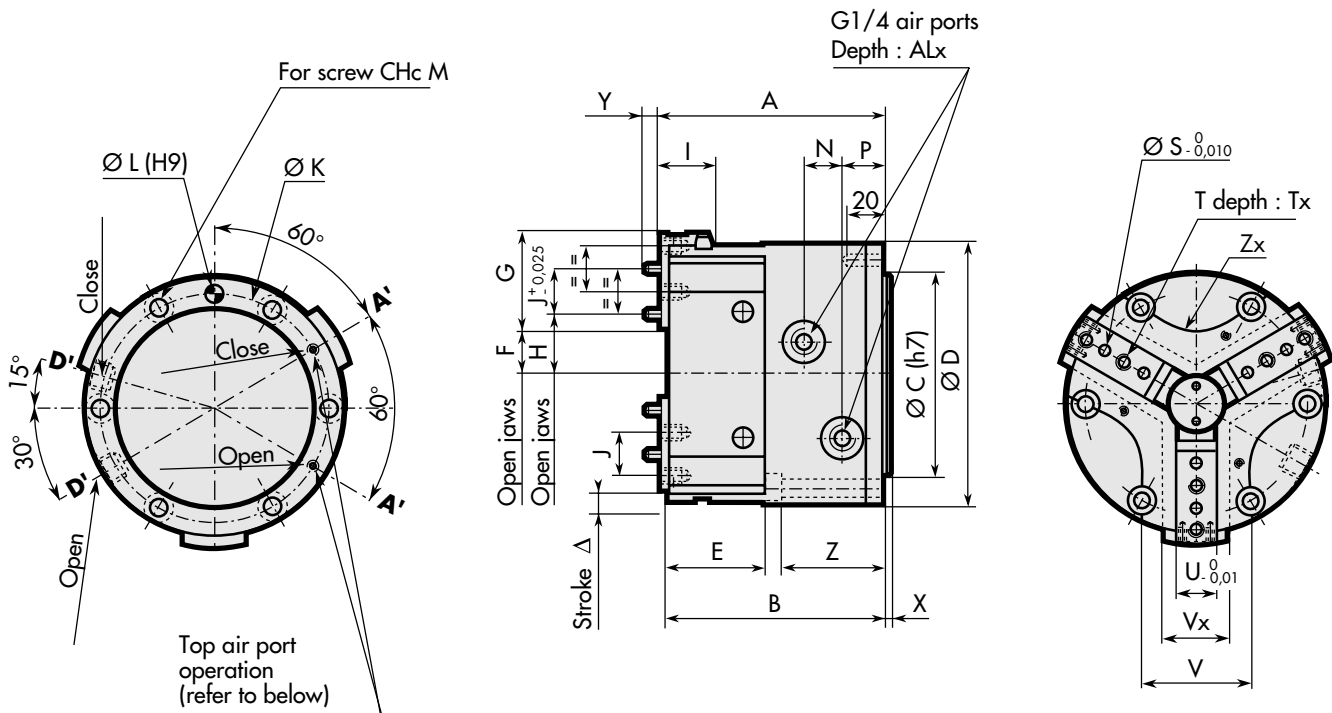
L (mm) : position of load.

* For $L > D \times 0,8$: please contact us.

The graph for $F @ 0$ bar is the safety force given by the spring.

To get the gripping force with no spring, read on the graph the value at the requested pressure (for ex. : 7 bar) and subtract the value of the spring (given by the value @ 0 bar).

MODEL	Stroke per jaw Δ (mm)	F (N) at 6 bars for L = 0	F (N) at 20 bars for L = 0	Opening cycle (seconds)	Closing cycle (seconds)	Capacity (cm ³)	Weight (kg)	F	H
RIP.143	13	4106	13686	0.06	0.07	220	4.70	25.5	32.5
RIP.143.C	20	2656	8855					32.5	39.5
RIP.163	15	8016	26716	0.14	0.18	494	9.04	31	39
RIP.163.C	25	4805	16017					36	44



MODEL	A	ALx	B	C	D	E	G	I	J	K	L	M	N	P	S	T	Tx	U	V	Vx	X	Y	Z
RIP.143	123	10	118	107.95	140	53	50	28	24	122.2	8	M8	21	22	5	M8	14	22	60	36	5	8	55
RIP.163	154	12	149	127	165	full body	58	33	28	142.9	10	M10	34	24	6	M10	19	26	full body	42	6	8	78

SEALING WHEN OPERATING INLET AT THE REAR

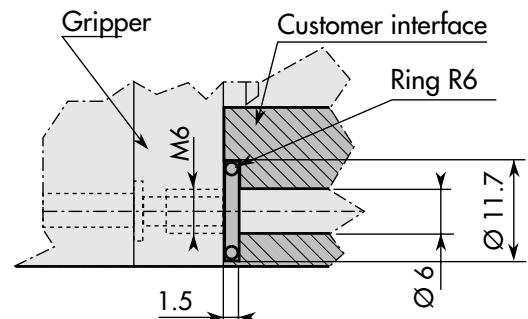
Our standard grippers are operated as follows

- On diameter (D')
- From the rear (A')

They are supplied with open (D') inlets and closed (A') inlets.

When operating inlets at the rear :

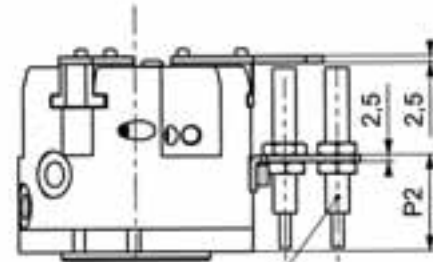
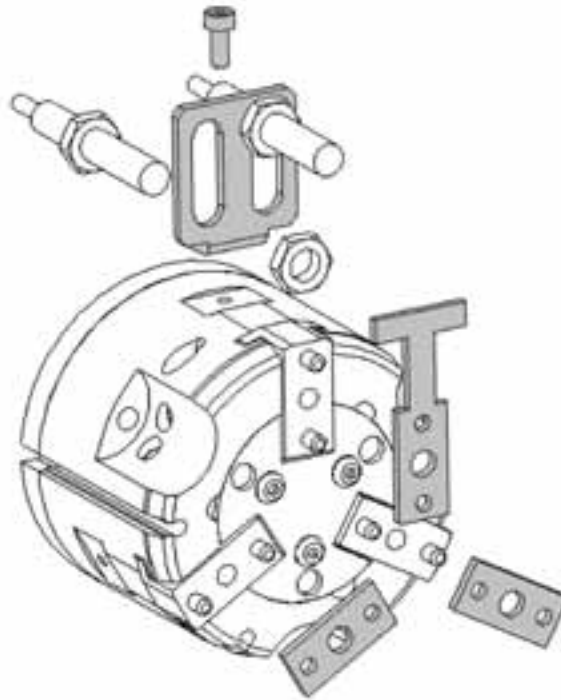
- Remove screws STHc out of inlets (A')
- Close up inlets (D') with standard caps
- Produce sealed interface as shown



RIP GRIPPER ACCESSORIES

Inductive Sensor Holder

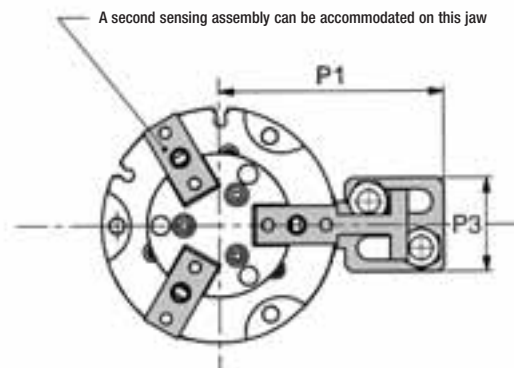
- Accessory Kit Comprised of: 1 Holder, 1 Sensor Flag, 2 Spacers, and Screws.
- This Kit is Assembled on the Gripper by the Customer.
- This Assembly makes it Possible to Accommodate 2 Inductive Sensors in Order to Control 2 Jaw Positions.
- The Sensors are Adjustable on All of the Stroke.
- The Sensors are Not Included.
- Accessories and Magnetic Sensors are Incompatible.



2 Sensors Ø 8 (Not Included)

FOR MODELS	P1	P2	P3
REP-62	67	35	32
REP-82	77	34	32
REP-112	97	45	32

FOR MODELS	P1	P2	P3
RIP-142	129	82.75	48
RIP-162	146.5	95.75	48



The gripper sealing cover is factory fitted and available as a special order only. Please consult factory.



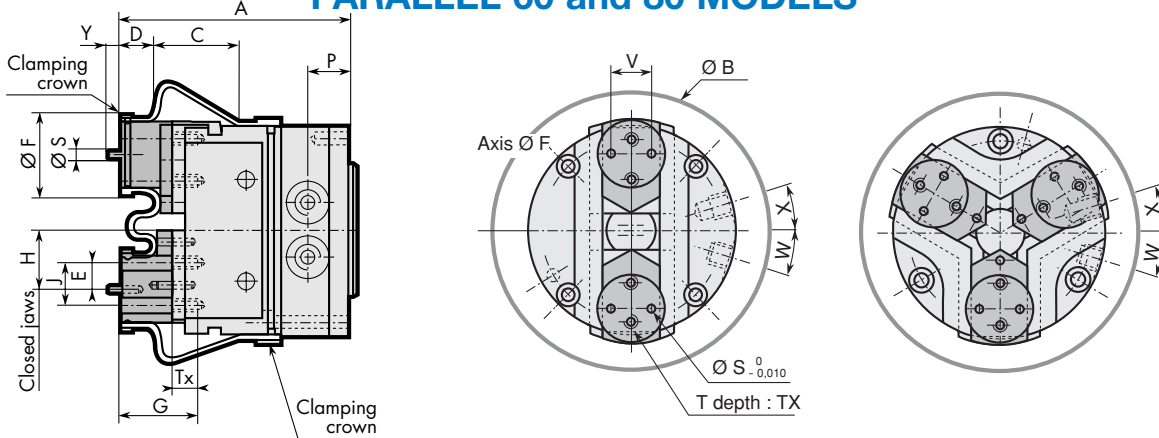
PARALLEL GRIPPER

The Sealing Cover is used to protect the gripper mechanism. It provides better performance and longer life time in abrasive, oiled air, etc.

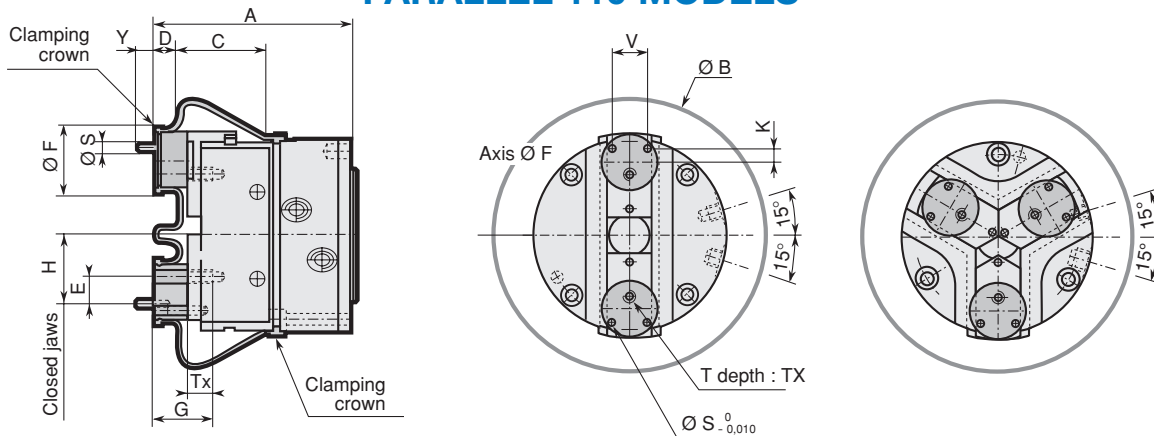
NOTE:

- Mountings jaws are different from standard models when fitted with Sealing Covers
- To locate the gripper, the operator will have to mount the gripper on its fixture and then, put the sealing cover in place on to the gripper, then mount the jaws on the gripper
- Sealing covers made of cured **PVC (KEVLAR on request)**
- Not compatible with sensor holder accessory (**SD**)

PARALLEL 60 and 80 MODELS



PARALLEL 110 MODELS



FOR MODELS	A	B	C	D	E	F	G	H	J	K	P	S	T	Tx	V	W	X	Y
Ø 60.02.Parallel	88	95	35	13	8	27	30	17,5	13		16	3	M4	10	13	20°	20°	5
Ø 60.03.Parallel																10°	20°	
Ø 80.Parallel	89	110	35	13	10	30	30	22,3	16		16	3	M5	10	16			5
Ø 110.Parallel	114	155	50	13	15	38	35	39,05		7,05		5	M8	15	20			10