

Special Cylinder

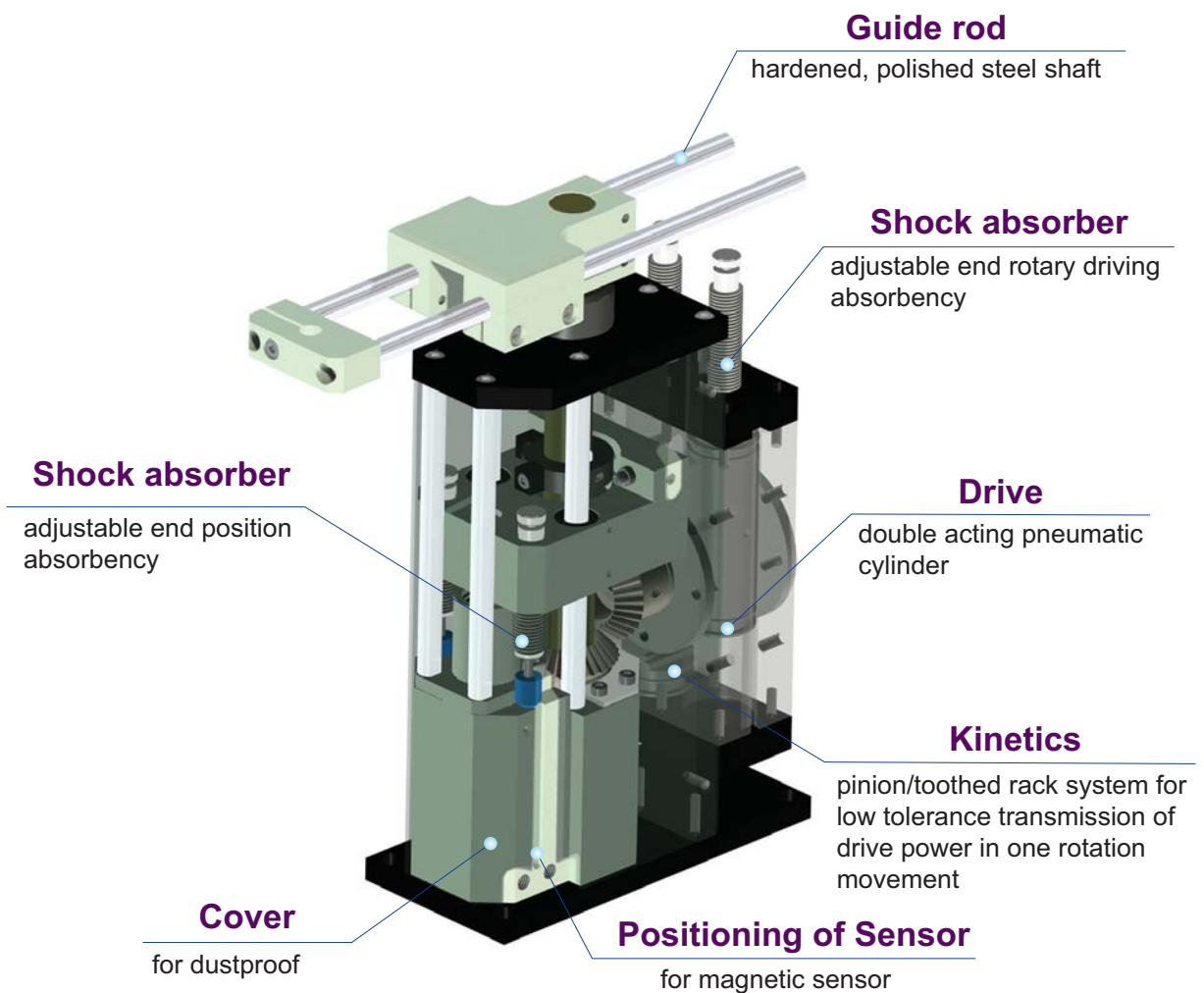
JPP-11,180-30,50

Character

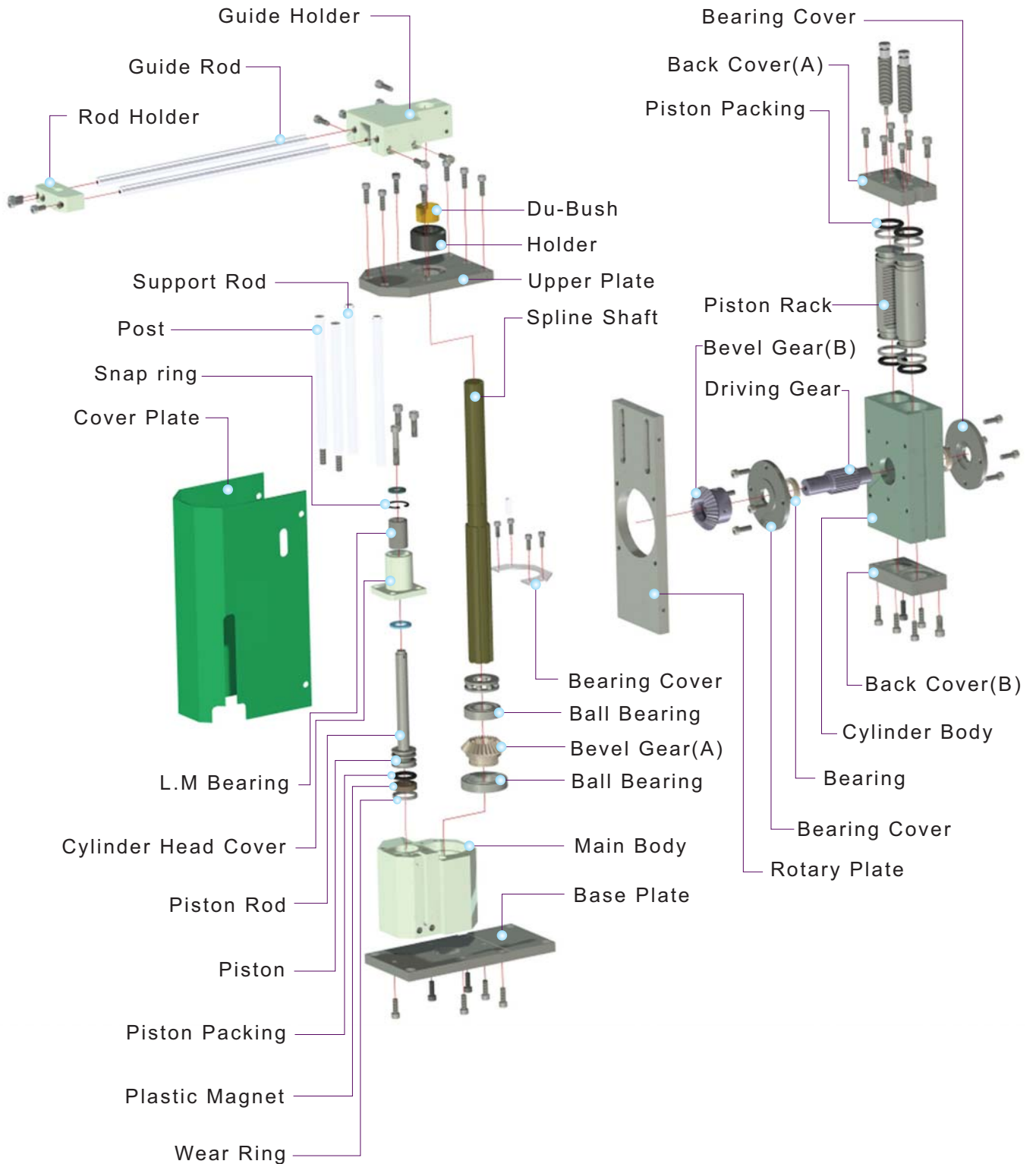
- Pick & place unit of united linear movement & rotary movement type
- Easy to set up position by internal adjustment frame
- Easy to adjust the up-down stroke & rotate angle within limit
- In additional to use both type, possible to choose linear driving only or rotary driving only.
- Structure to reduce the tolerance & the shock at end of rotary driving



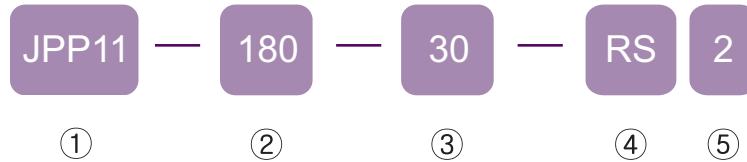
Finger attachable pick & place unit



Exploded view



Ordering Code



①	Product Name	JPP11
②	Rotating Angle	90°, 180°
③	Up-down Stroke	30 (30mm), 50 (50mm)
④	Sensor Type	RS or Nomark
⑤	Sensor Quantity	

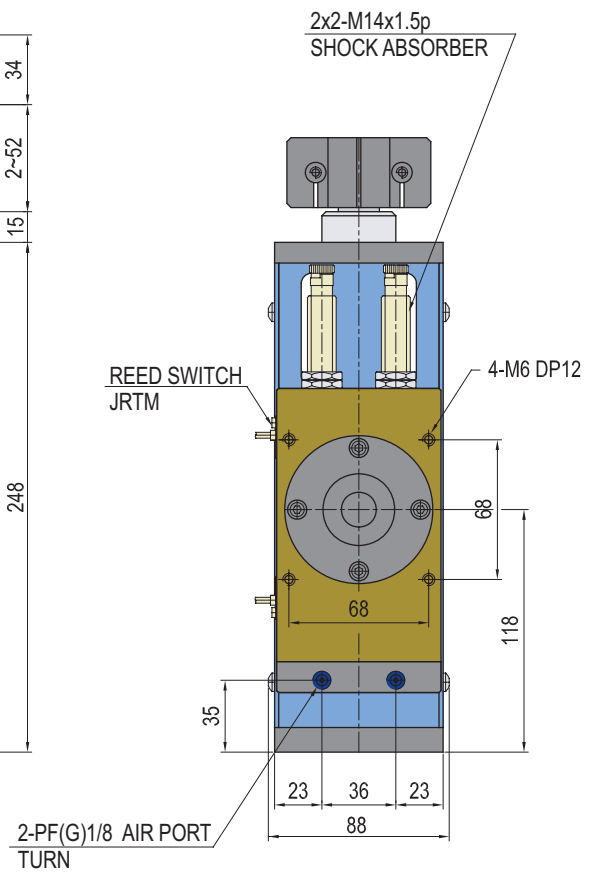
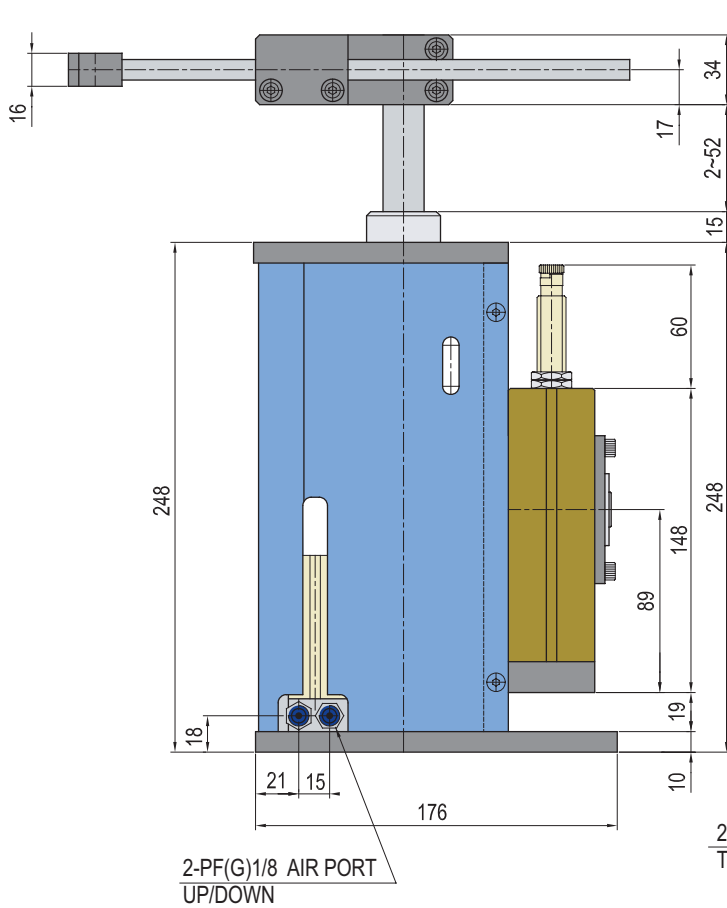
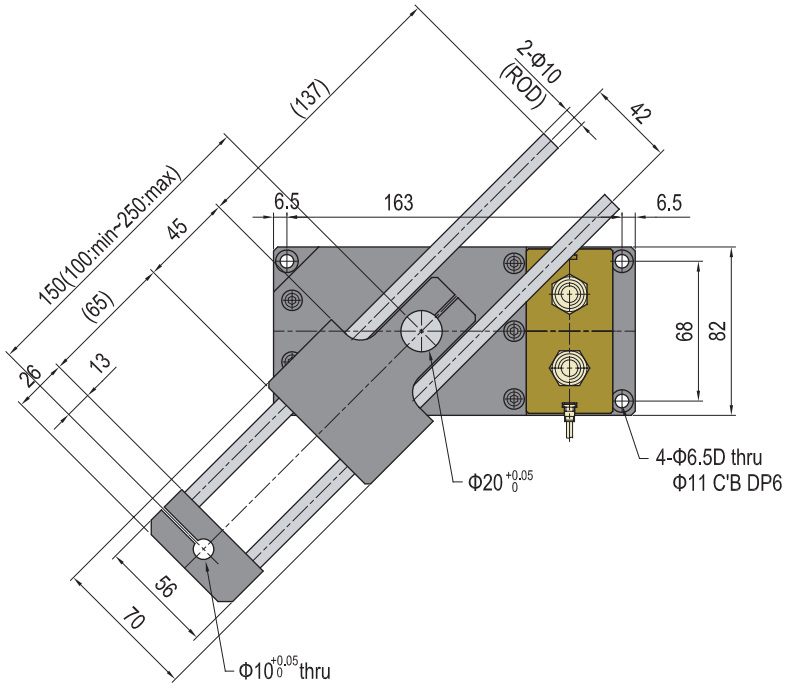
* See the sensor specification of 2D dimension drawing

Specification

P=Air Pressure[bar]

Products Name	JPP11-30	JPP11-50	Unit
Max. PayLoad	0.8	0.8	kg
Radius of Rotation	75 to 200	75 to 200	degree
Up/Down Stroke	30	50	mm
Weight	6.5	6.5	kg
Turning Time (90°)	1 to 2	1 to 2	sec
Turning Time (180°)	1 to 3	1 to 3	sec
Fitting size	PF(G) 1/8	PF(G) 1/8	
Air consumption(90°/180°)	52.9 / 79.8	70.3 / 97.2	cm ³
Cushion	Stopper or Absorber		
Repetition Accuracy	±0.1		degree
Operating pressure	3 to 7		bar
Ambient temperature	-5 to 60		°C
Lubrication	Needless		

* After 100 consecutive strokes to end positions



Special Cylinder

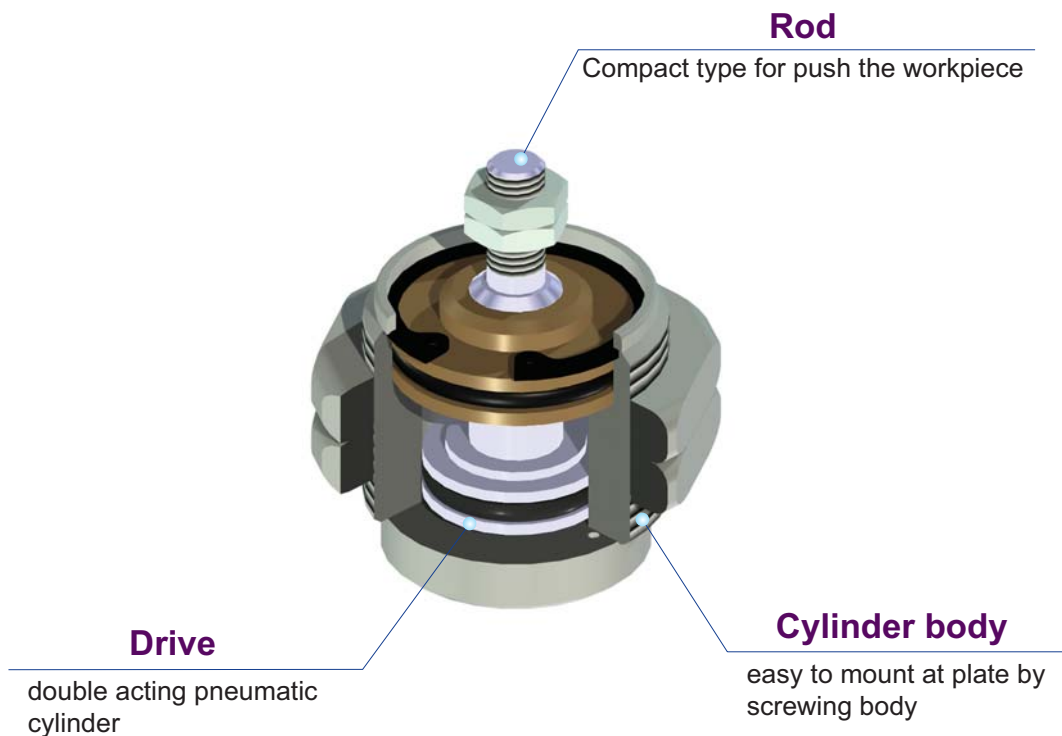
RK-10,16

Character

- Linear actuator of compact type for push the workpiece (Knock cylinder)
- Easy to mount at plate by screwing body
- Sensor is not available for this type

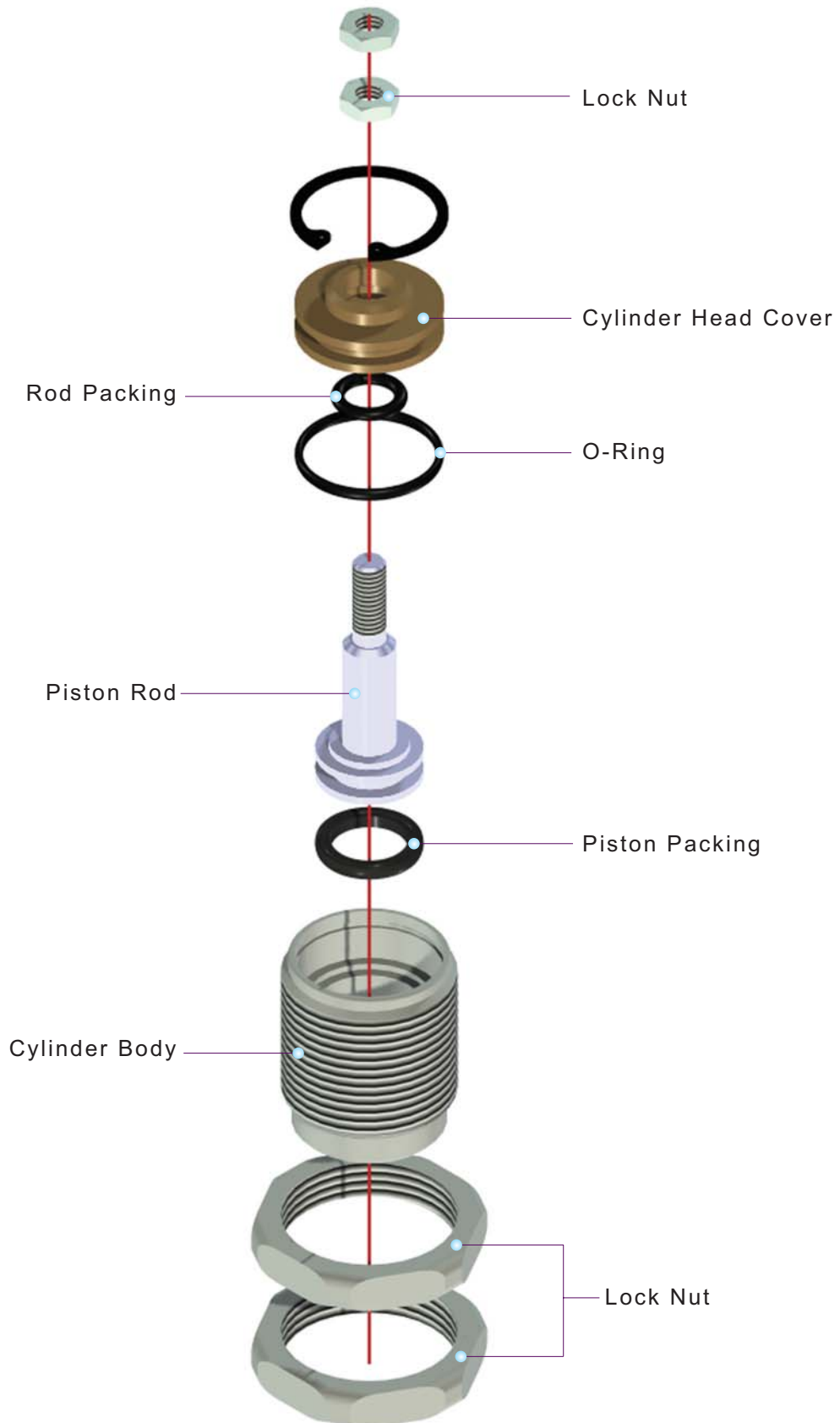


Miniature pushing cylinder



RK

Exploded view



RK

Ordering Code



①	Product Name	RK
②	Bore Size	10, 16
③	Stroke	5, 10, 15
④	Sensor Type	BS or Nomark
⑤	Sensor Quantity	

Specification

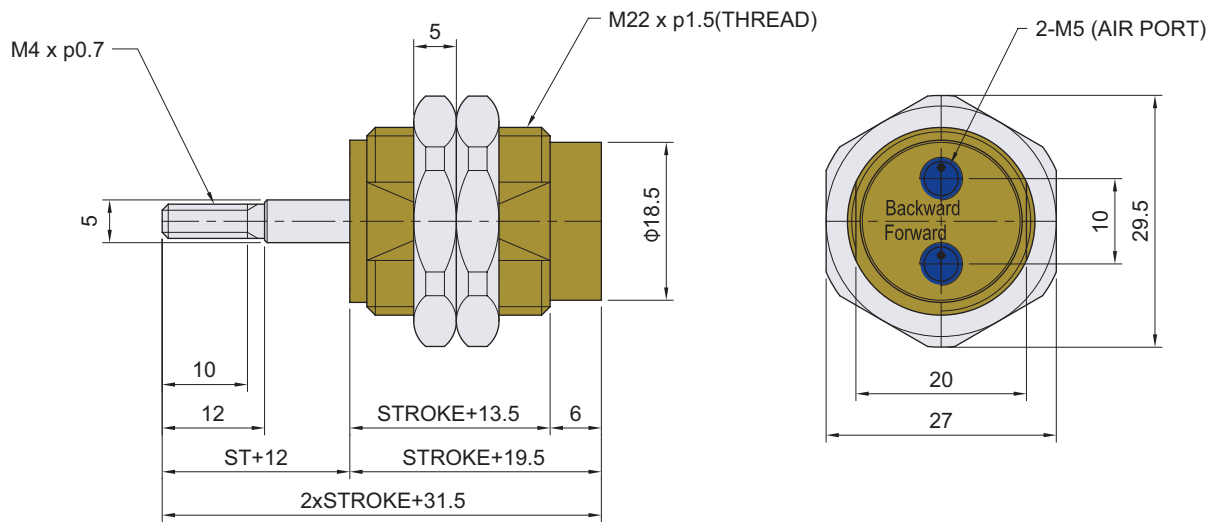
P=Air Pressure[bar]

Products Name	RK10			RK16			Unit
Decided stroke	5	10	15	5	10	15	N.m
Weight	82	94	106	128	142	160	g
Push Power	7.65P			19.62P			N
Pull Power	5.69P			14.72P			N
Fitting size	M5			M5			
Air consumption quantity	0.014xSt			0.035xSt			cm ³
Actuating Method	Double action type						
Repetition Accuracy	±0.1						mm
Operating pressure	3 to 7						bar
Ambient temperature	-5 to 60						°C
Lubrication	Needless						

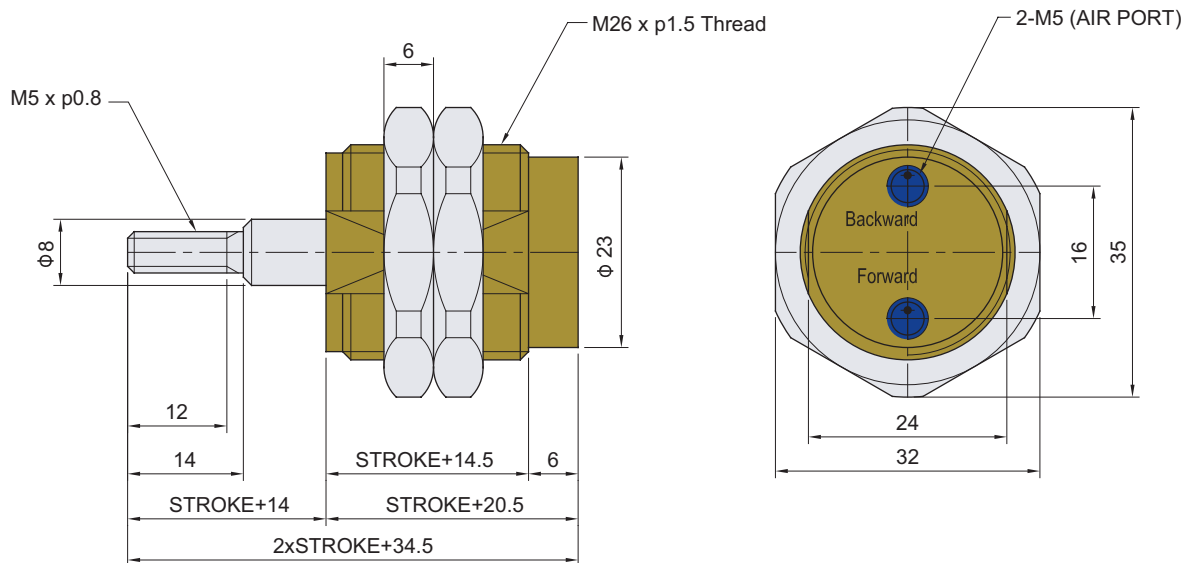
* After 100 consecutive strokes to end positions

RK

RK-10



RK-16



Special Cylinder

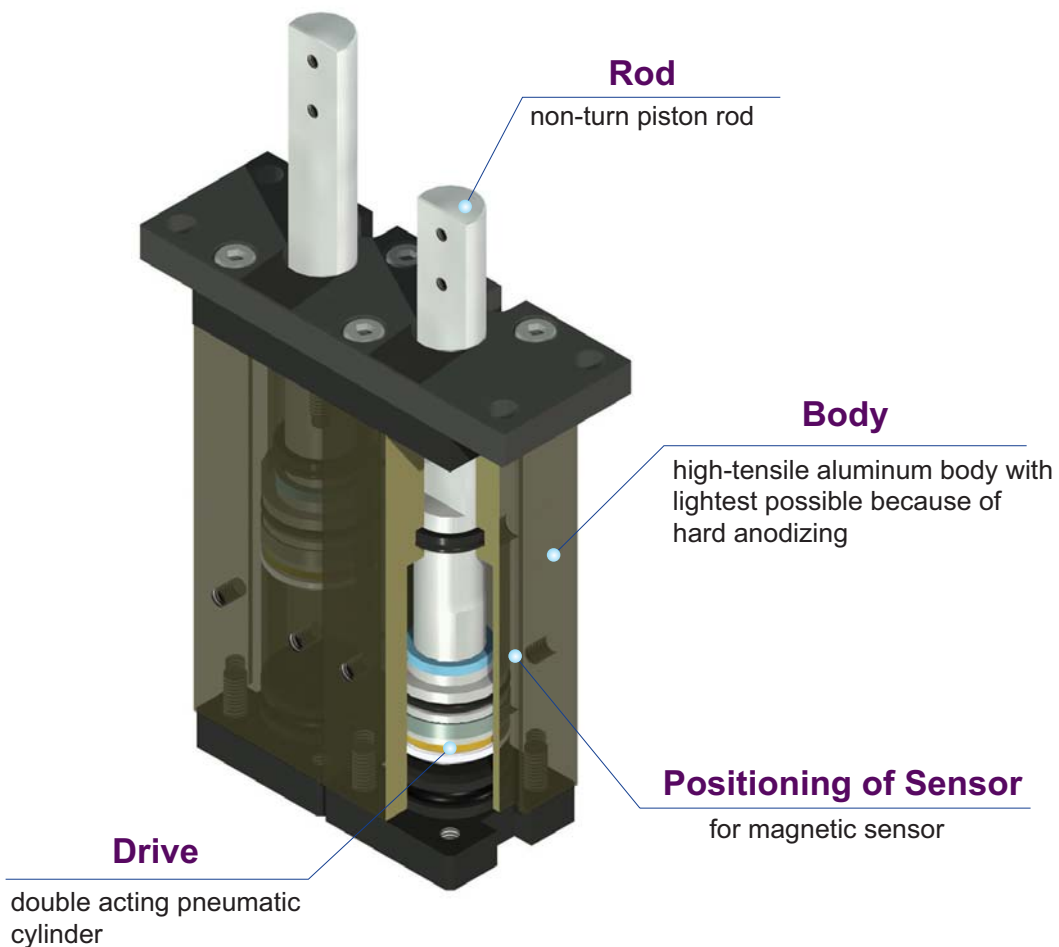
RSS-20 / RSD-12,20

Character

- Linear actuator of non-turn piston rod type
- Suitable to separate workpiece by mounting in parallel two cylinder
- In case of individual using, it's suitable to push workpiece

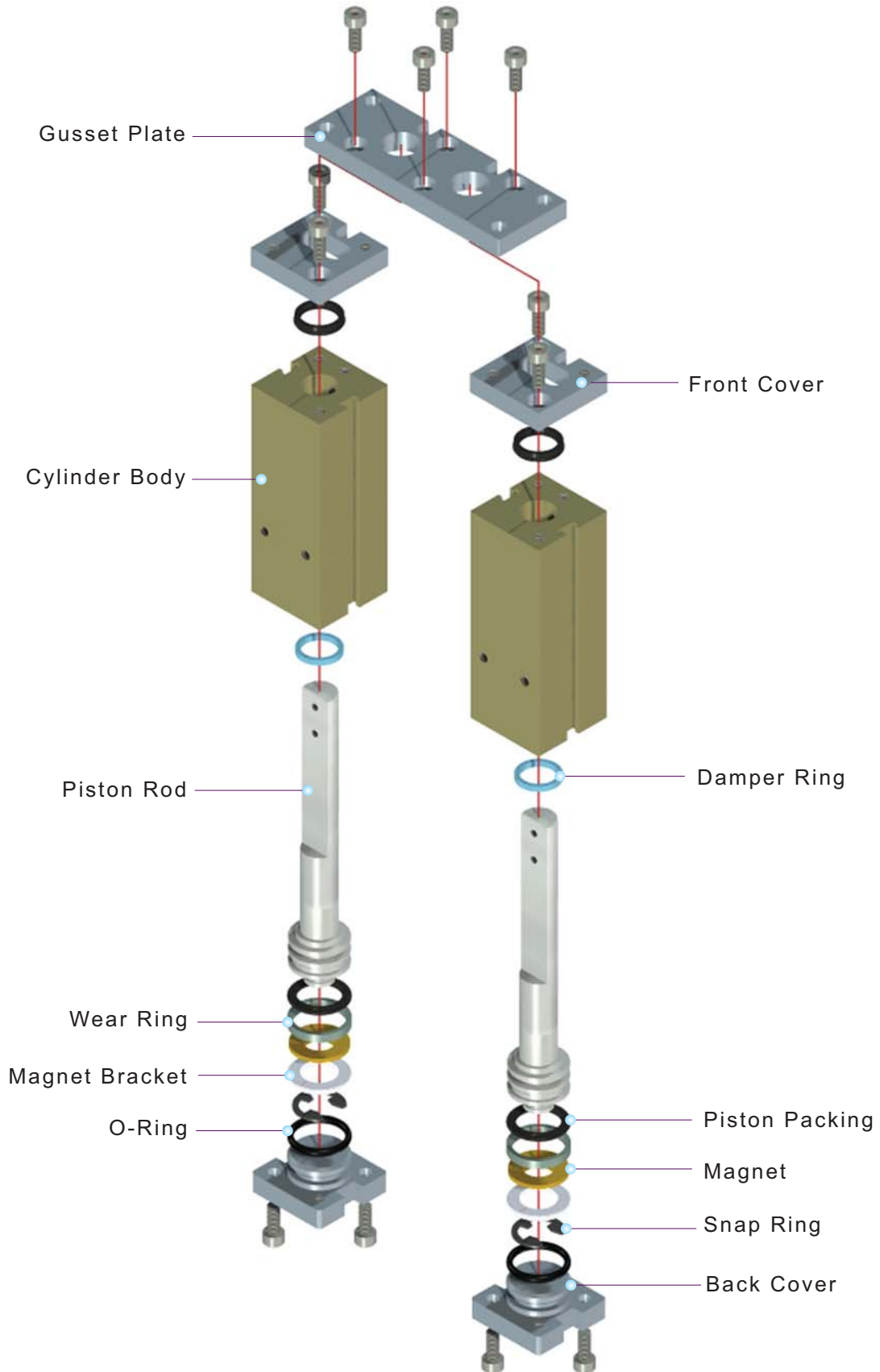


Anti-rotationable separator



RSS/RSD

Exploded view



RSS/RSD

Ordering Code



①	Product Name	RSS, RSD
②	Bore Size	12, 20
③	Stroke	10, 20
④	Sensor Type	RS or Nomark
⑤	Sensor Quantity	

* See the sensor specification of 2D dimension drawing

Specification

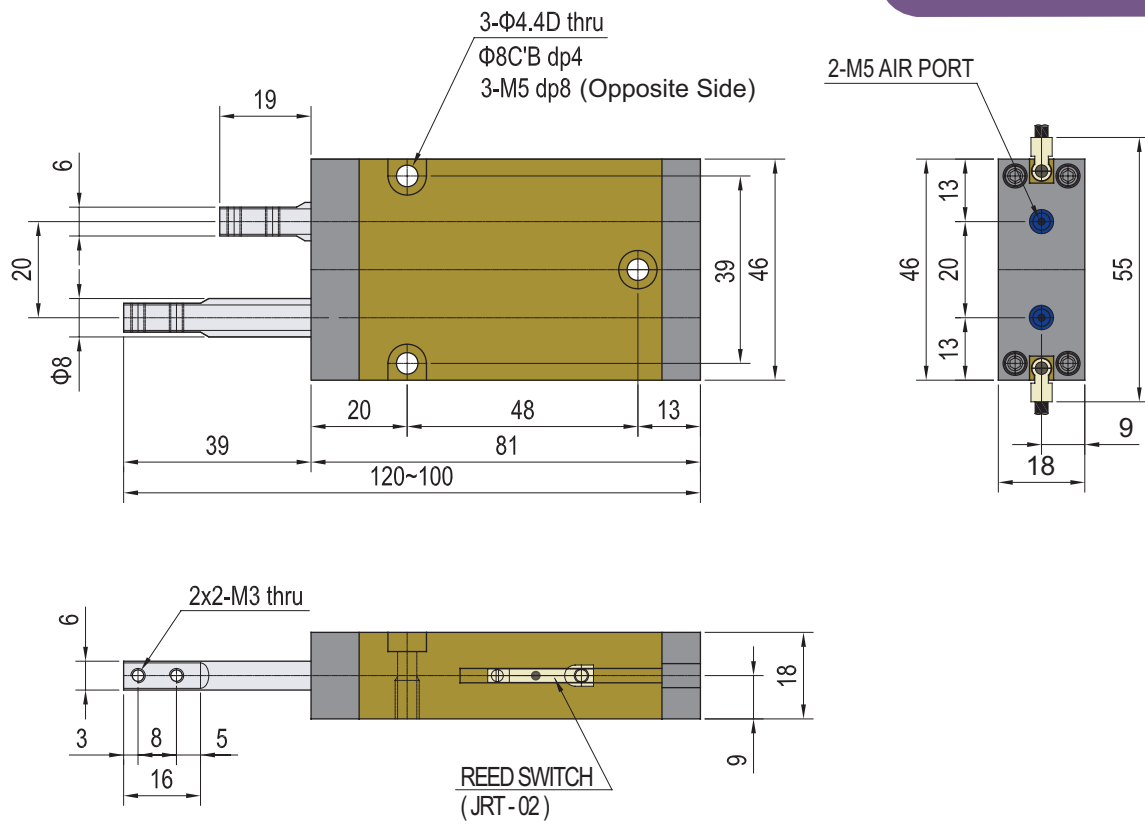
P=Air Pressure[bar]

Products Name	RSD12	RSS20	RSD20	Unit
Decided stroke	20	10/20	10/20	mm
Push Power	8.93P	30.41P	30.41P	N
Pull Power	4.91P	19.62P	19.62P	N
Max. Speed	200	200	200	mm/sec
Min. Speed	30	30	30	mm/sec
Weight	0.18	0.22/0.31	0.49/0.58	kg
Fitting size	M5	M5	M5	
Air consumption quantity	0.035xSt	0.103xSt	0.103xSt	cm ³
Repetition Accuracy	±0.1			mm
Operating pressure	3 to 7			bar
Ambient temperature	-5 to 60			°C
Lubrication	Needless			

* After 100 consecutive strokes to end positions

RSS / RSD

RSD-12



Note

Special Cylinder

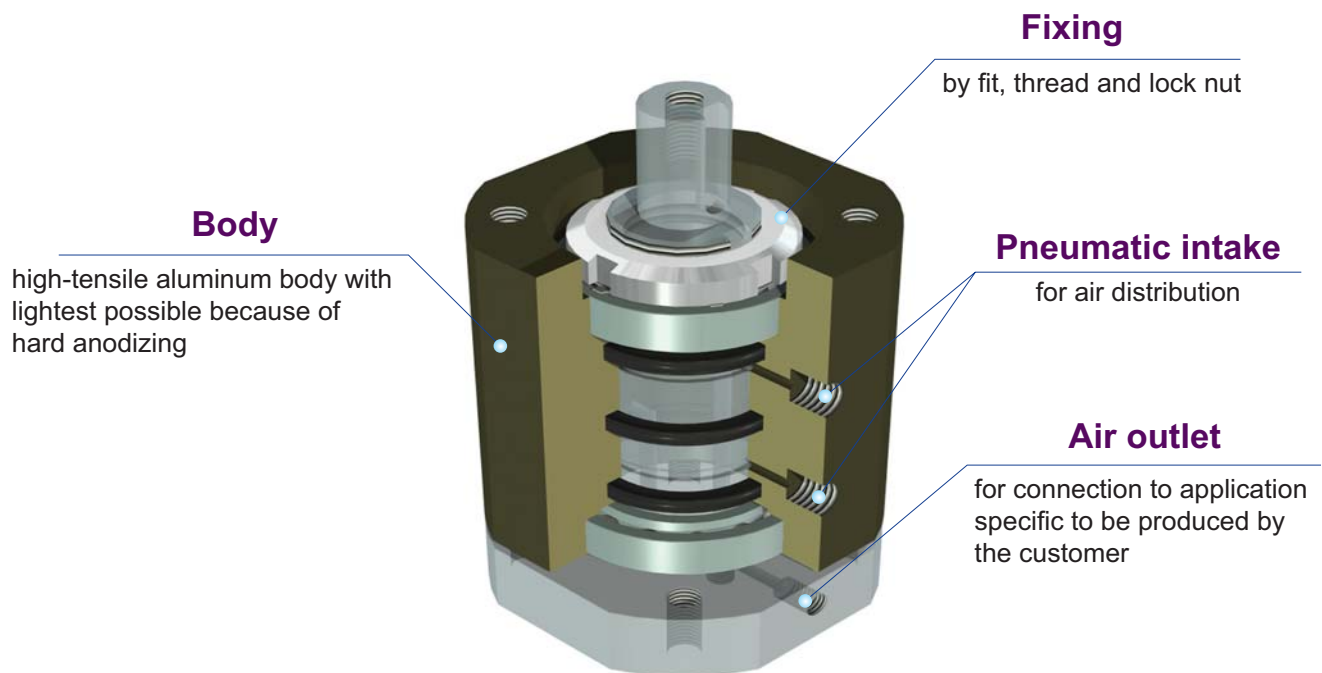
RTJ-50,70

Character

- Protector to prevent the tangle of the air supply tube and distributor to supply power at rotating movement
- Admissible RPM is below the 100
- Additional bearing is unnecessary by internal ball bearing, when gripper mount.
- RTJ is not a rotary actuator

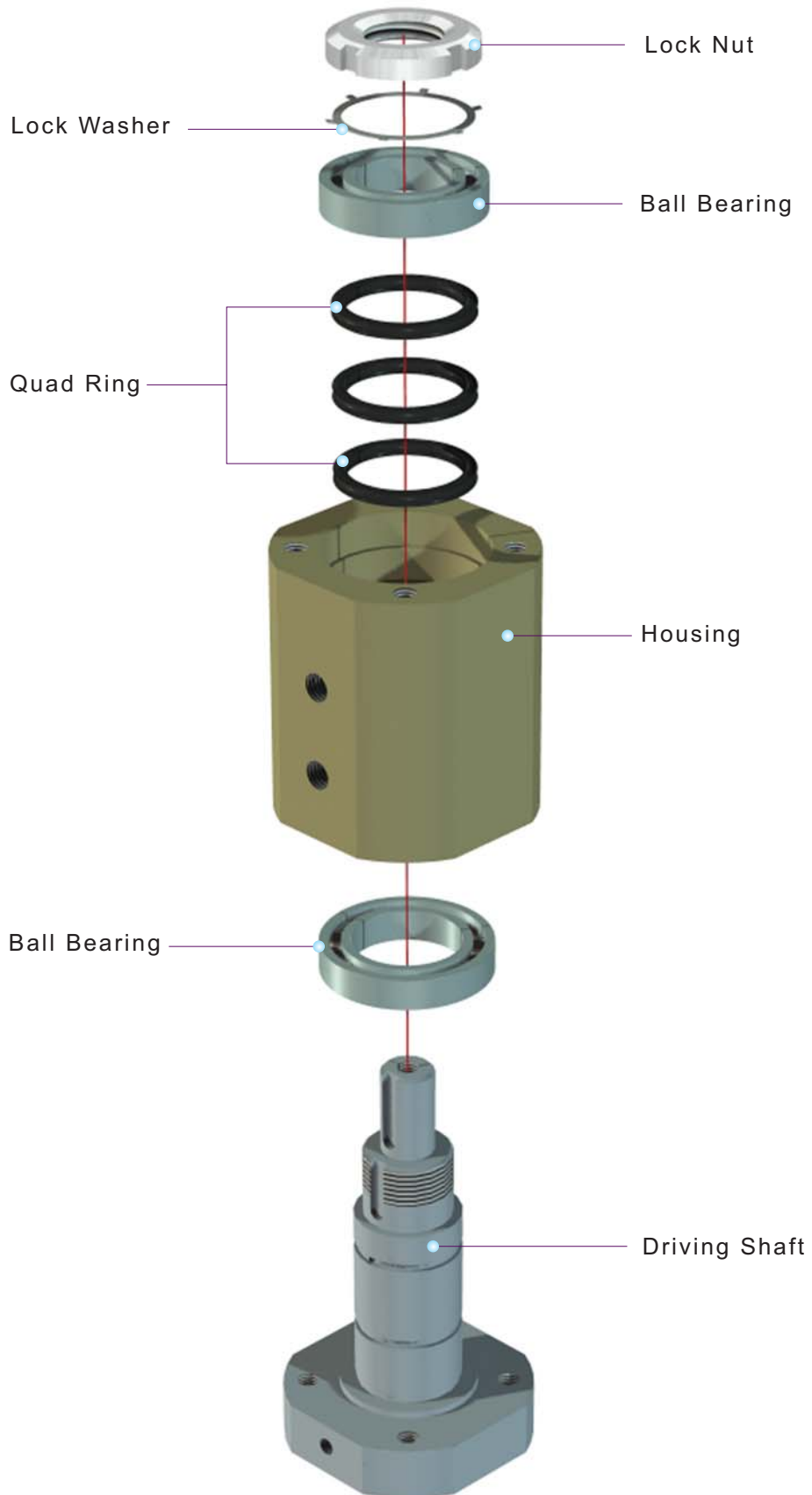


Air rotation supply device



RTJ

Exploded view



RTJ

Ordering Code

RTJ

50

①

②

①	Product Name	RTJ
②	Bore Size	50, 70S

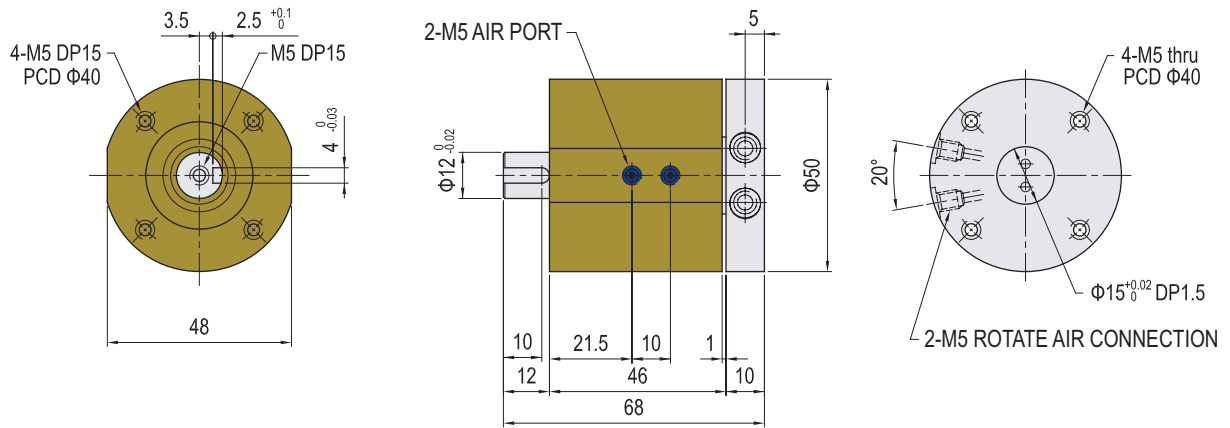
Specification

P=Air Pressure[bar]

Product name	RTJ50	RTJ70S	Unit
Weight	0.44	1.46	kg
Fitting size	2x2-M5	2-M5(Rev.),2-PF(G) 1/8(Fix.)	
Max. Payload	2.4	4	kg
Max. Revolution	100		rpm
Operating pressure	3 to 7		bar
Ambient temperature	-5 to 60		°C
Lubrication	Needless		

RTJ

RTJ-50



RTJ-70S

