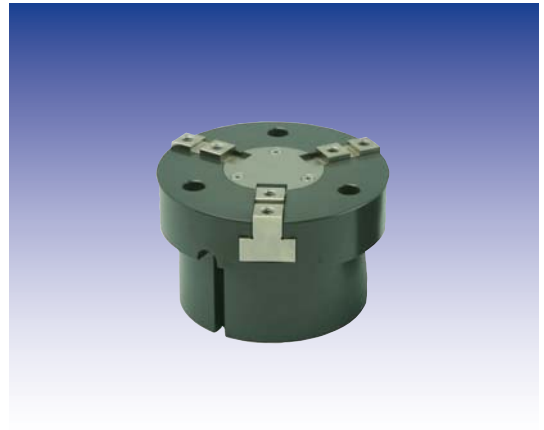


Gripper

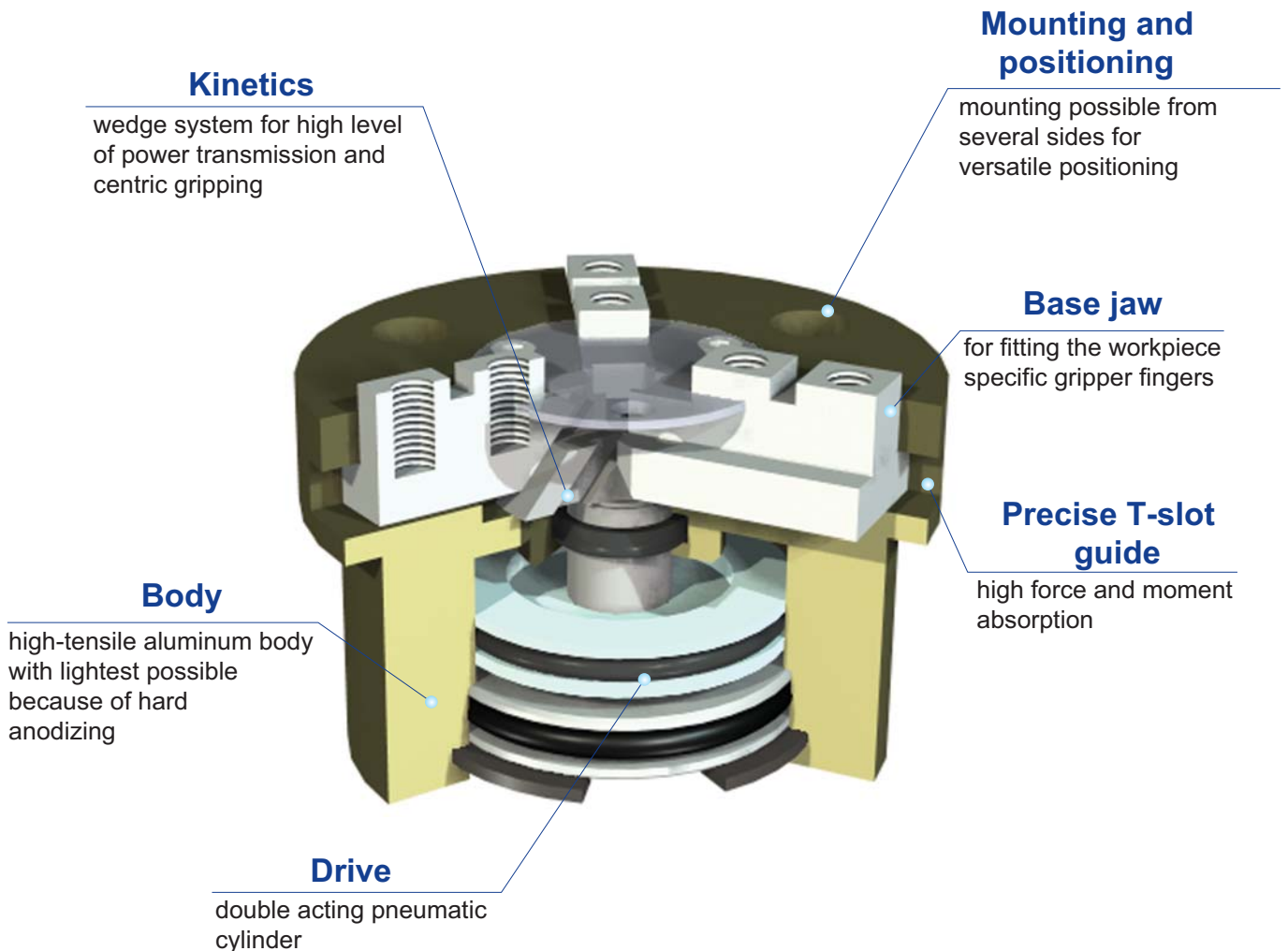
AF56N-20,25,32,40,50,63,80,100

Character

- Compact structure by wedge guide driving unit
- Possible to use without the supply tube when you use back side support port(BP option)
- Easy to grip the center of workpiece by the cylindrical structure
- Magnetic sensor is available for open-close sensing

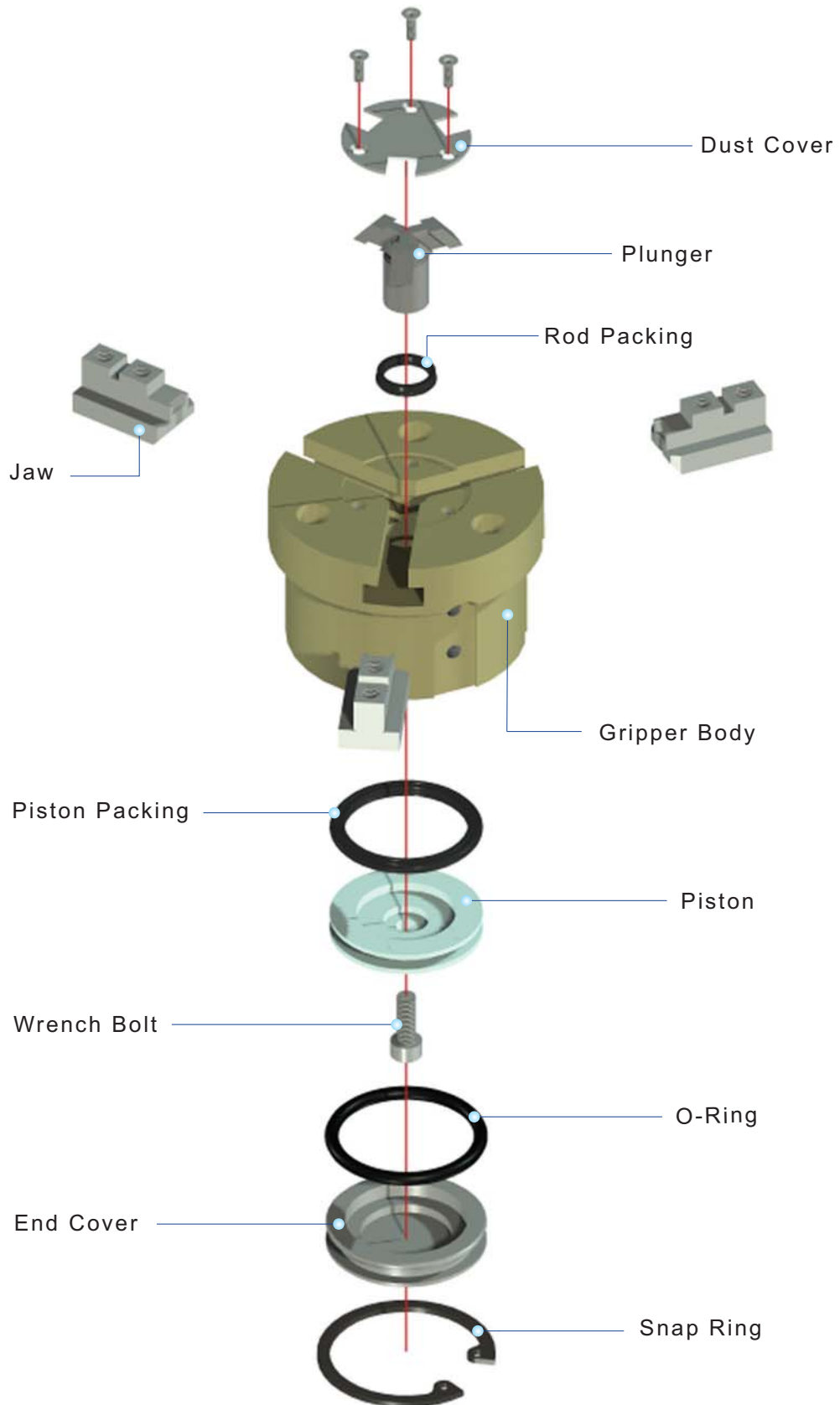


Wedge type 3 jaw



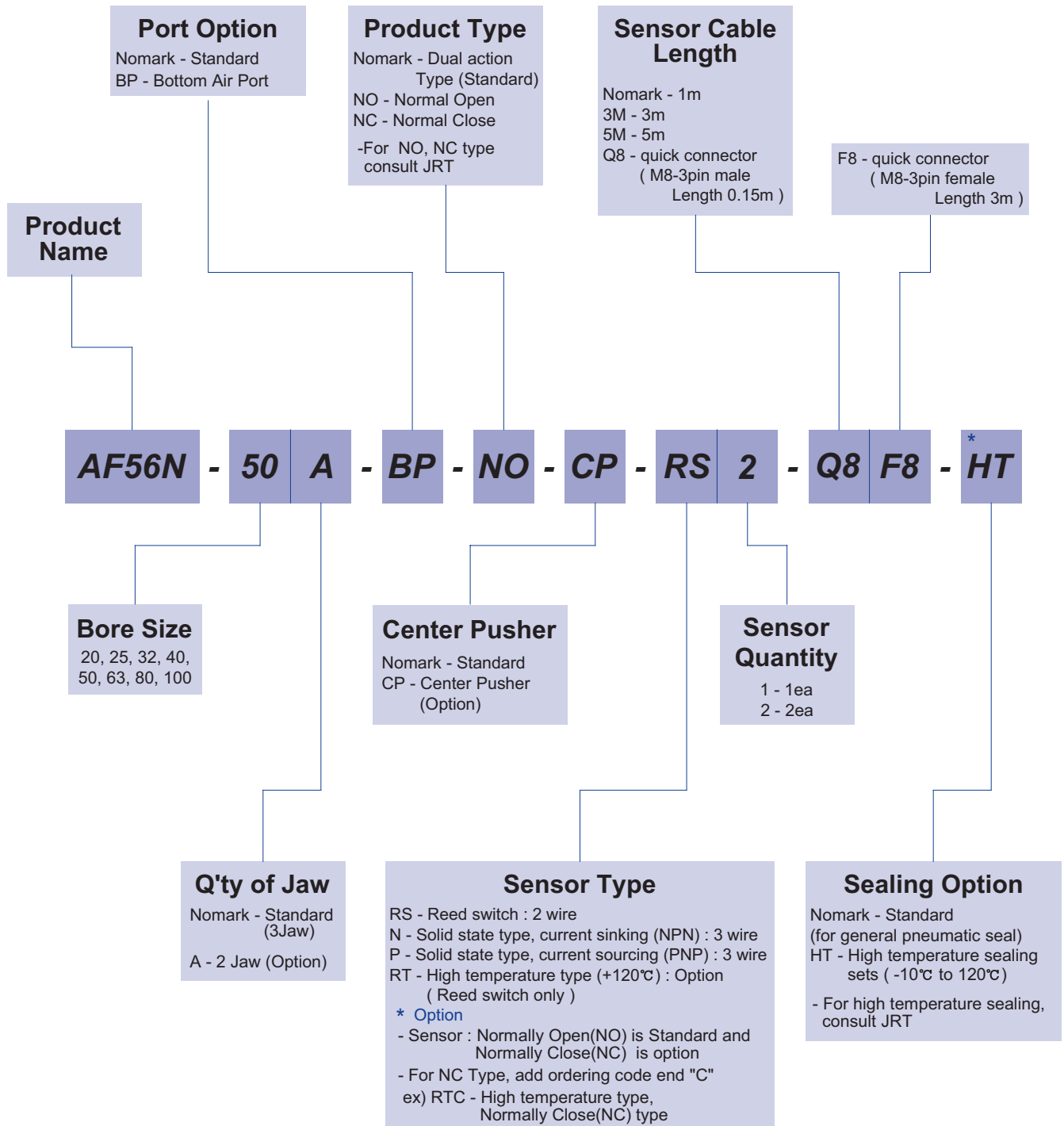
AF56N

Exploded view



AF56N

Ordering Code



The delivery of * mark option is longer than a standard, So inquire of JRT

AF56N

Specification

P=Air Pressure[bar] , L=Exertion length[mm]

Products Name	AF56N-20B	AF56N-25B	AF56N-32B	AF56N-40B	Unit
Stroke	5	6	8	10	mm
Weight	0.15	0.23	0.26	0.4	kg
Max. length of attach	30	40	50	60	mm
Fitting size	M5	M5	M5	M5	
Gripping force:Open	25.51P/(1+0.016L)	37.28P/(1+0.012L)	56.90P/(1+0.009L)	103.99P/(1+0.007L)	N
Gripping force:Close	22.56P/(1+0.016L)	31.39P/(1+0.012L)	52.97P/(1+0.009L)	95.16P/(1+0.007L)	N
Air consumption per cycle	1.8	3.4	7.6	14.9	cm ³
Closing / Opening time	0.01 / 0.01	0.01 / 0.01	0.02 / 0.02	0.02 / 0.02	sec
* Repeat accuracy	0.01	0.01	0.01	0.01	mm
Max.cycle per minute	60	60	60	50	
Operating pressure	3~7				bar
Ambient temperature	-5 to 60				°C
Lubrication	Needless				

* After 100 consecutive strokes to end positions

P=Air Pressure[bar] , L=Exertion length[mm]

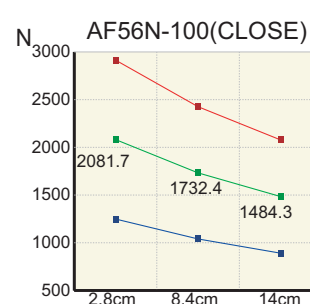
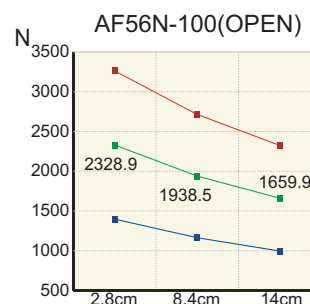
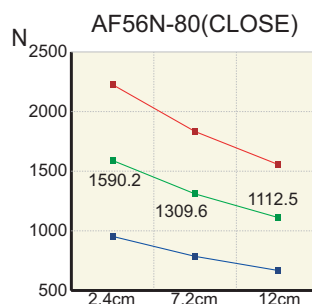
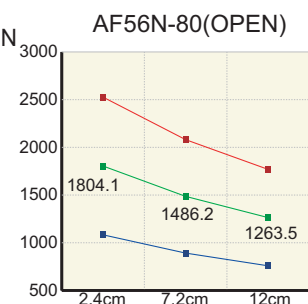
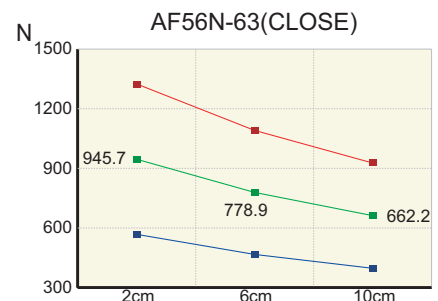
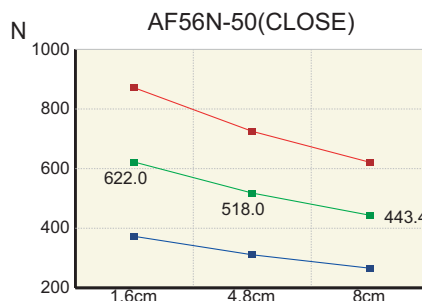
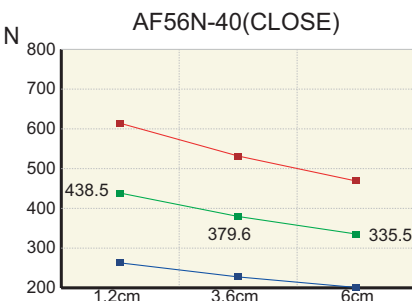
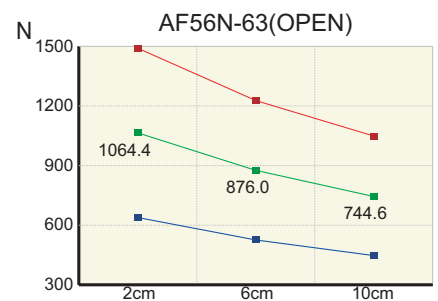
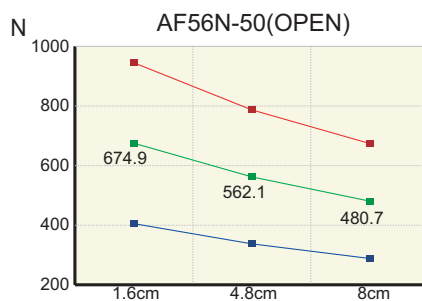
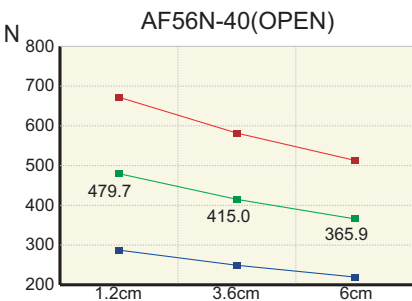
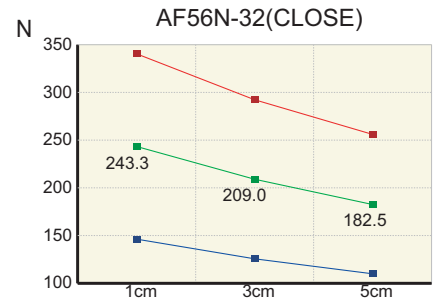
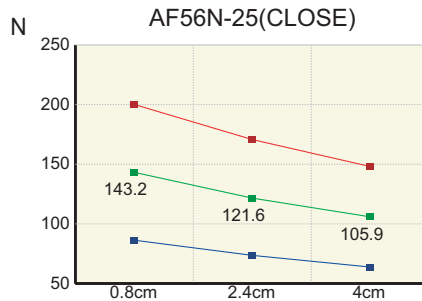
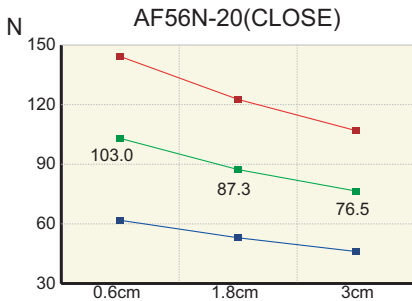
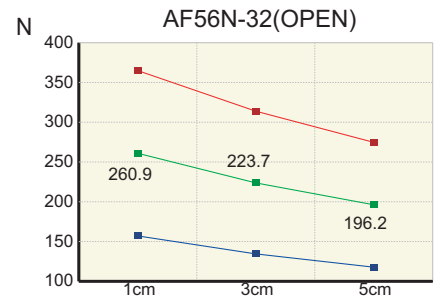
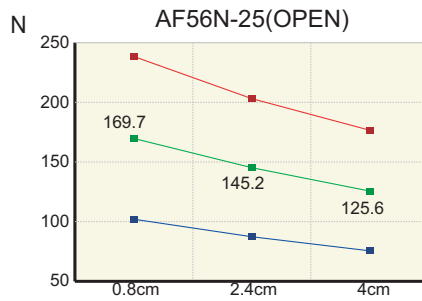
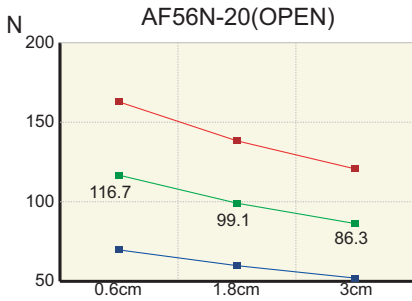
Products Name	AF56N-50B	AF56N-63B	AF56N-80B	AF56N-100B	Unit
Stroke	12	16	20	23	mm
Weight	0.72	1.2	2.1	3.4	Kg
Max. length of attach	80	100	120	140	mm
Fitting size	M5	PF(G) 1/8	PF(G) 1/8	PF(G) 1/8	
Gripping force:Open	150.09P/(1+0.007L)	238.38P/(1+0.006L)	404.17P/(1+0.005L)	517.97P/(1+0.004L)	N
Gripping force:Close	138.32P/(1+0.007L)	211.90P/(1+0.006L)	356.10P/(1+0.005L)	463.03P/(1+0.004L)	N
Air consumption per cycle	27.9	59.7	115.9	214.6	cm ³
Closing / Opening time	0.03 / 0.03	0.06 / 0.06	0.12 / 0.12	0.22 / 0.22	sec
* Repeat accuracy	0.01	0.01	0.01	0.02	mm
Max.cycle per minute	50	50	40	30	
Operating pressure	3~7				bar
Ambient temperature	-5 to 60				°C
Lubrication	Needless				

* After 100 consecutive strokes to end positions

AF56N

Gripping Force per exertion length

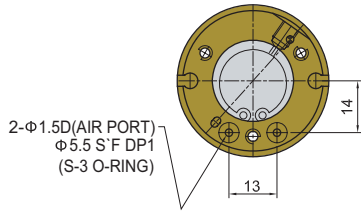
Legend : ■ 7[bar] ■ 5[bar] ■ 3[bar]



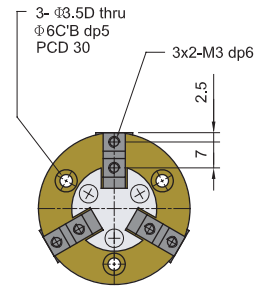
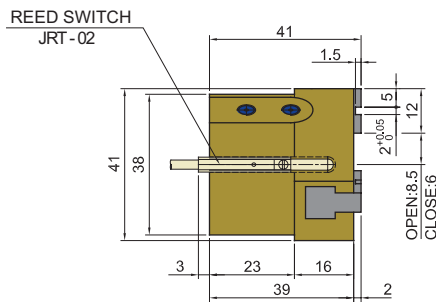
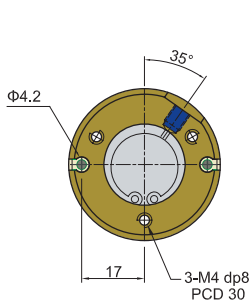
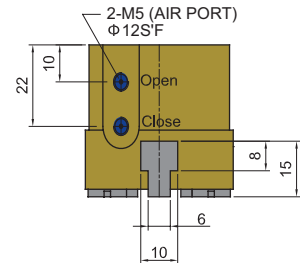
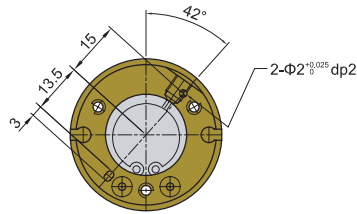
AF56N

AF56N-20B

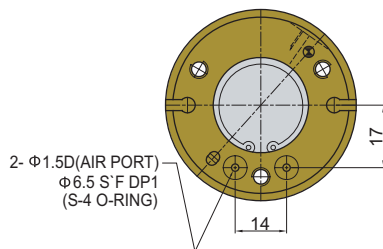
BP OPTION DIMENSION



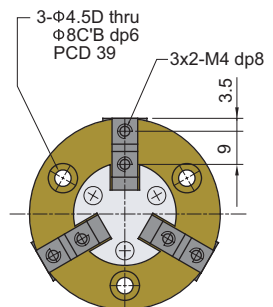
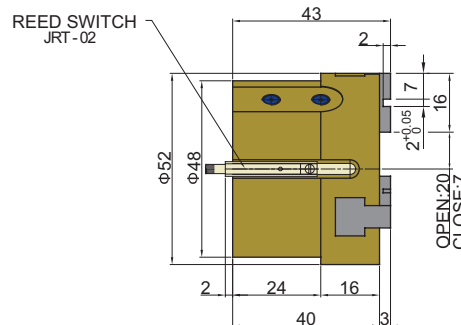
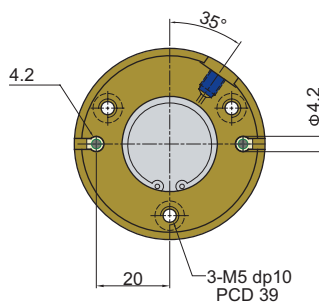
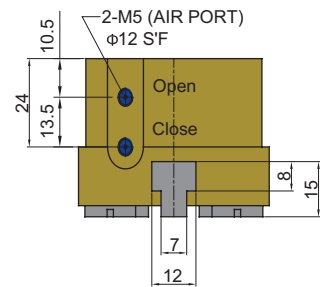
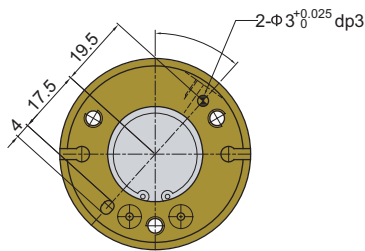
PH OPTION DIMENSION



BP OPTION DIMENSION



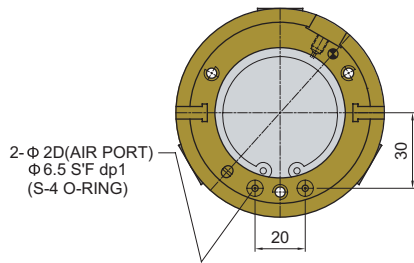
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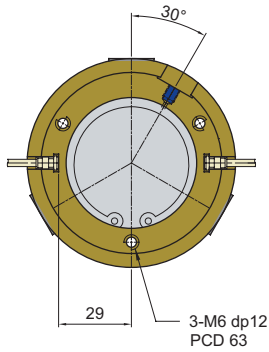
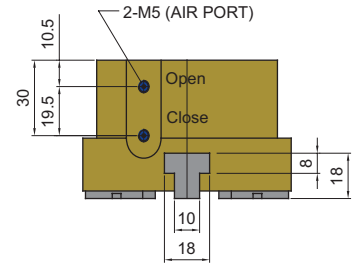
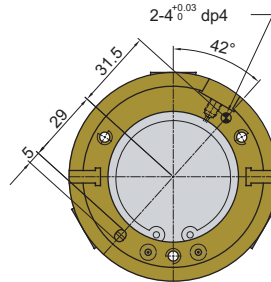
AF56N

AF56N-50B

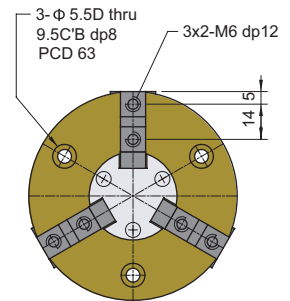
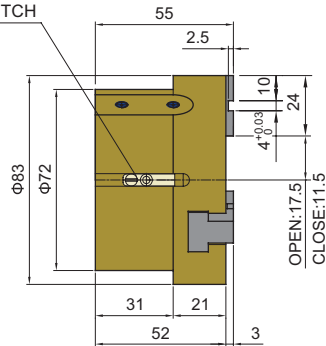
BP OPTION DIMENSION



PH OPTION DIMENSION

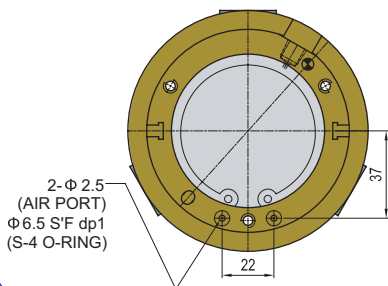


REED SWITCH
 JRTM

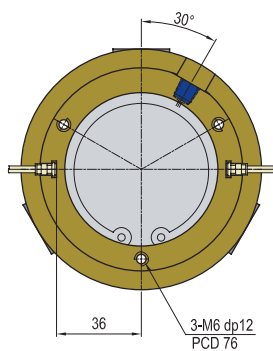
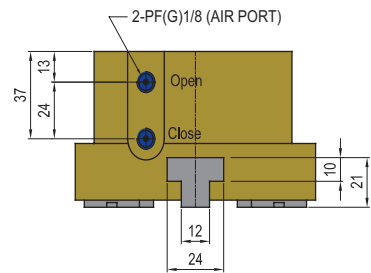
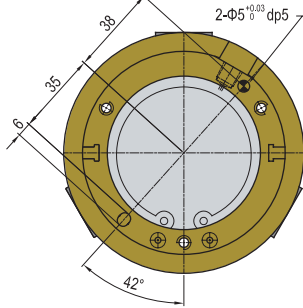


AF56N-63B

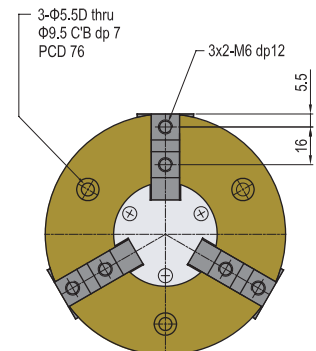
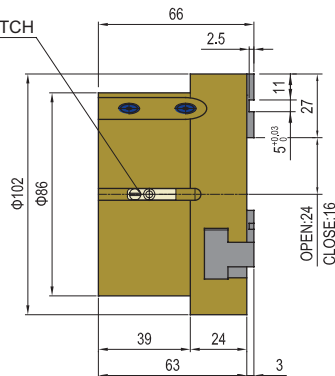
BP OPTION DIMENSION



PH OPTION DIMENSION



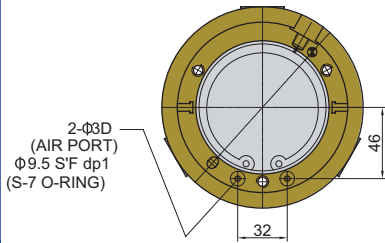
REED SWITCH
 JRTM



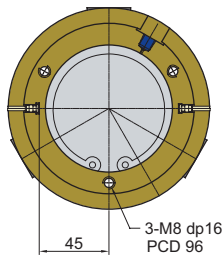
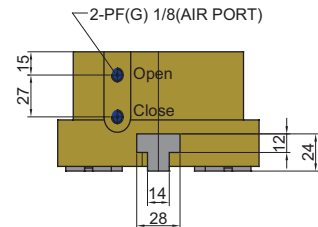
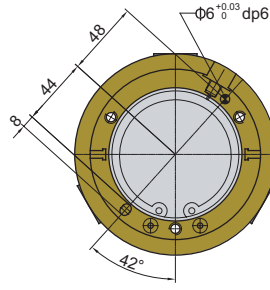
AF56N

AF56N-80B

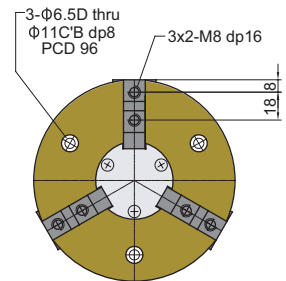
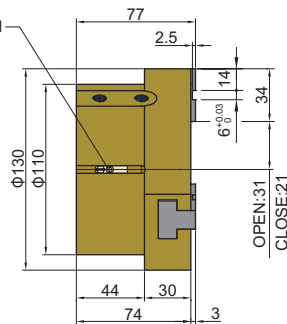
BP OPTION DIMENSION



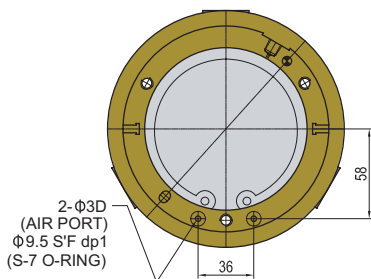
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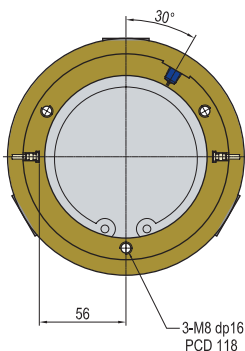
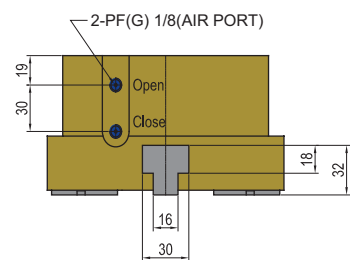
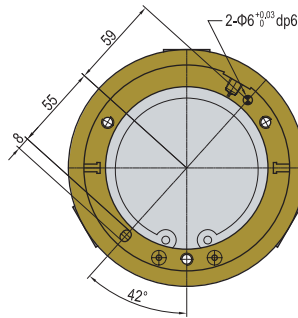
REED SWITCH
JRTM



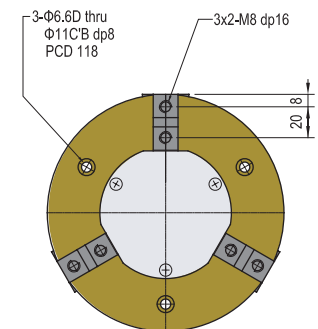
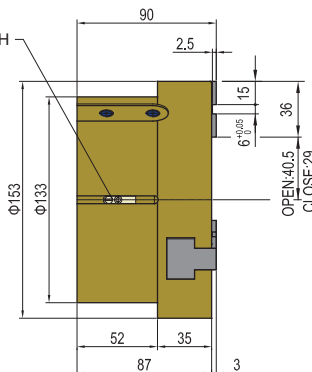
BP OPTION DIMENSION



PH OPTION DIMENSION



REED SWITCH
JRTM



Notes

A large grid of dashed lines for writing notes. The grid consists of 20 columns and 30 rows of squares, with rounded corners. The lines are light gray and spaced evenly across the page.