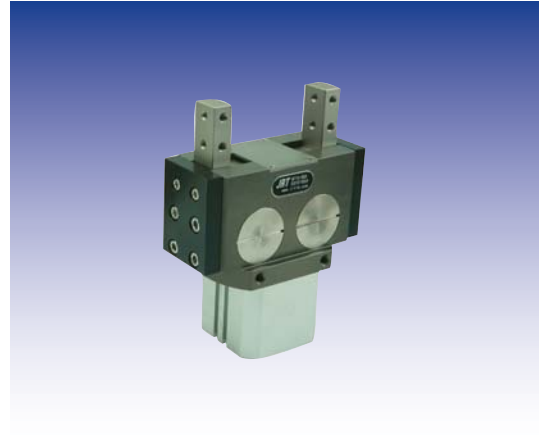


Gripper

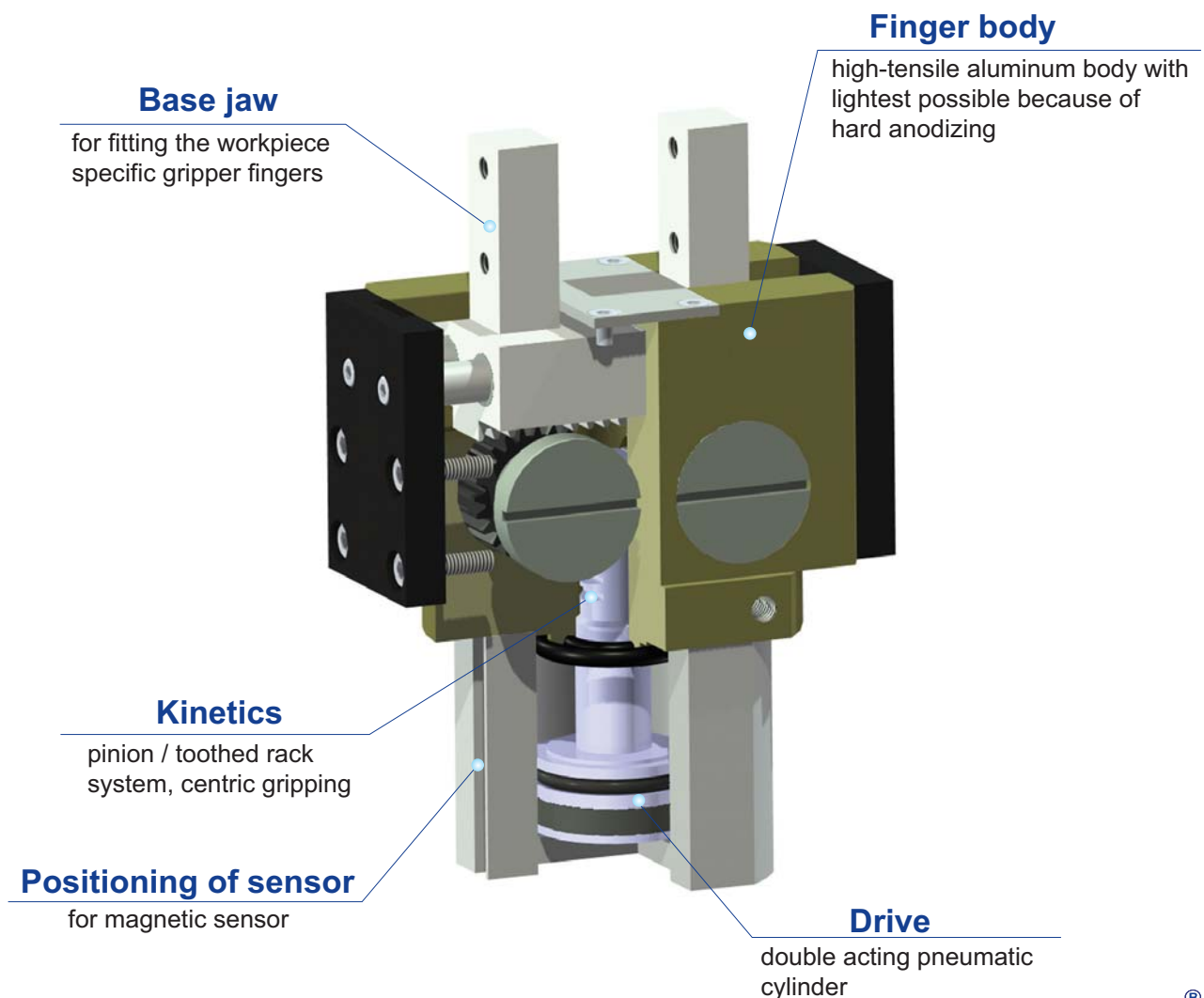
AF13-20,30,40,50,63,80,100

Character

- Rack & Pinion type (AF13-20 is Link & Lever type)
- High repeatability by sliding of guide rod
- Wide and various selection possible by various size
- Mounting possible from 3 sides
- Magnetic sensor is available for open-close sensing

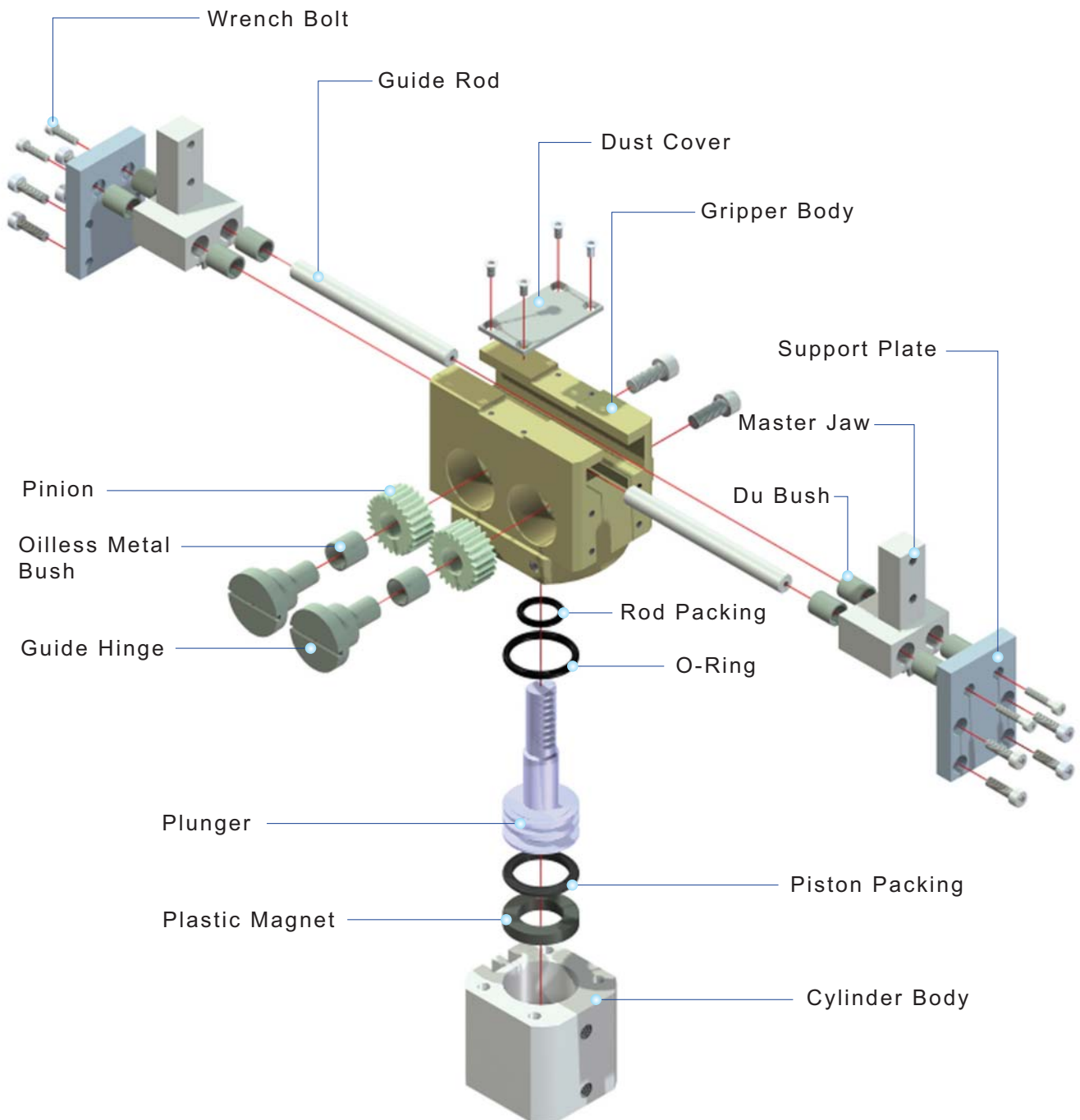


Rack & pinion type



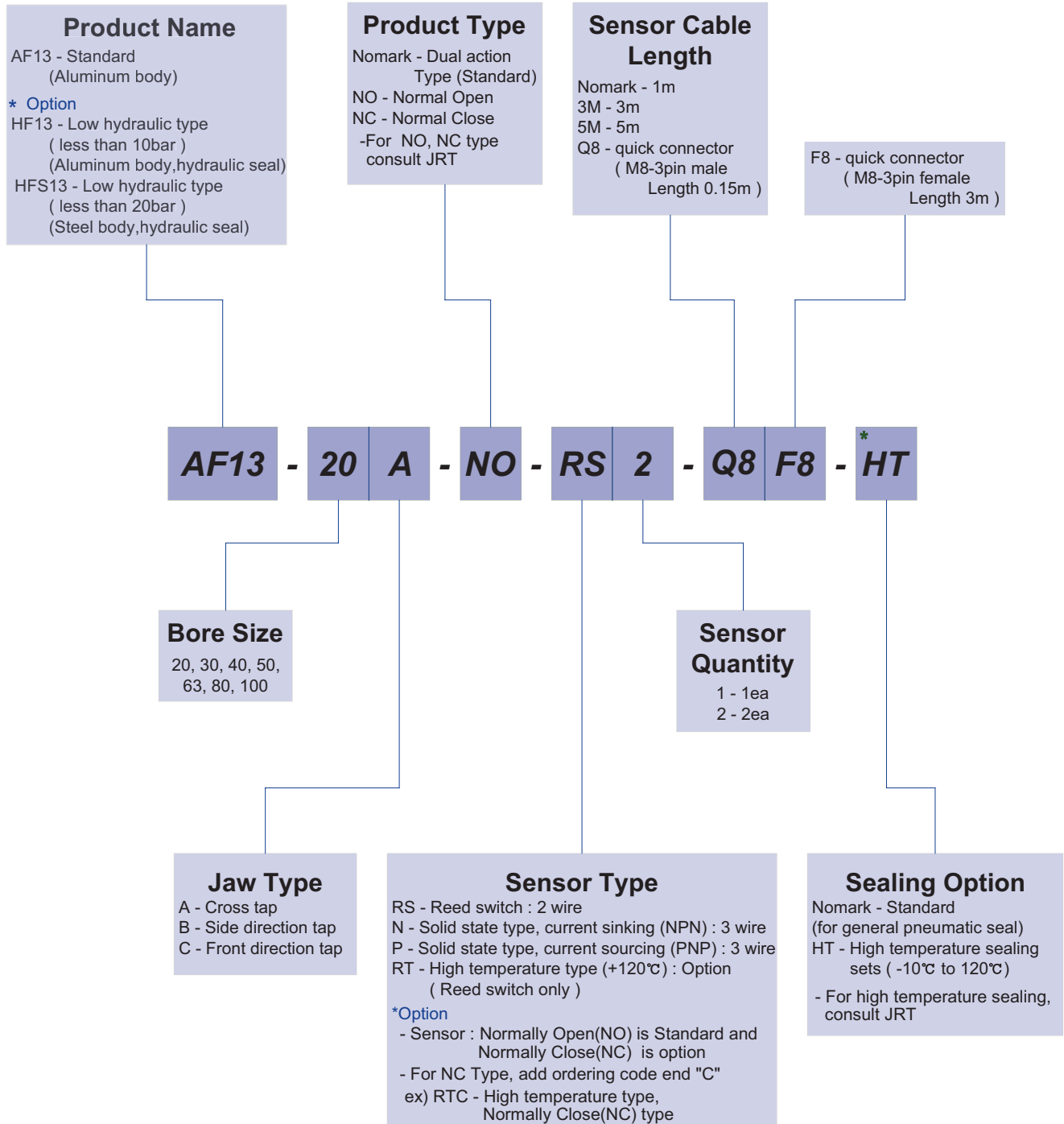
AF13

Exploded view



AF13

Ordering Code



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

AF13

Specification

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

Products Name	AF13-20	AF13-30	AF13-40	Unit
Stroke	30	30	30	mm
Weight	0.55	1.3	2.2	kg
Max. length of attach	70	90	110	mm
Fitting size	M5	PF(G) 1/8	PF(G) 1/8	
Gripping force:Open	24.53P/(1+0.025L)	55.92P/(1+0.02L)	98.10P/(1+0.02L)	N
Gripping force:Close	19.62P/(1+0.025L)	48.07P/(1+0.02L)	83.39P/(1+0.02L)	
Air consumption per cycle	3.3	15.1	33.9	cm ³
Closing / Opening time	0.01 / 0.01	0.01 / 0.01	0.01 / 0.02	sec
* Repeat accuracy	0.01	0.01	0.01	mm
Max.cycle per minute	60	60	60	
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]

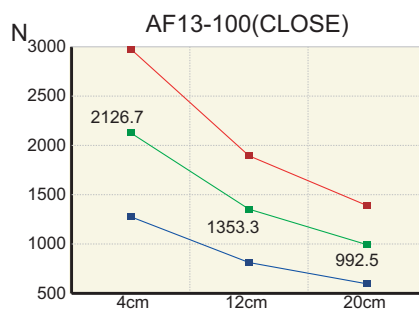
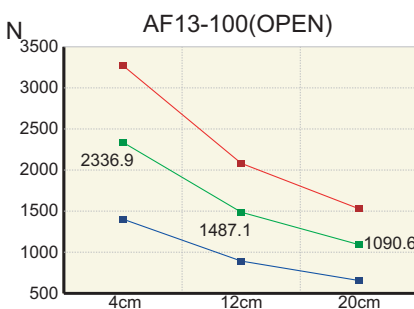
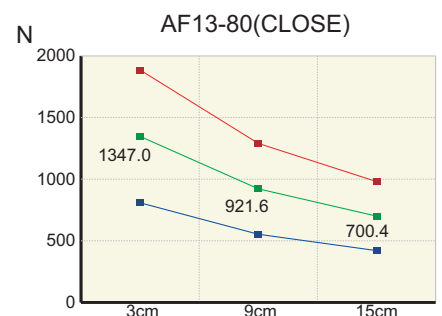
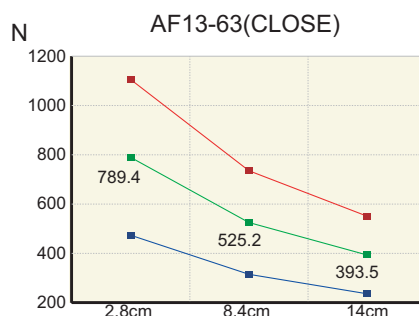
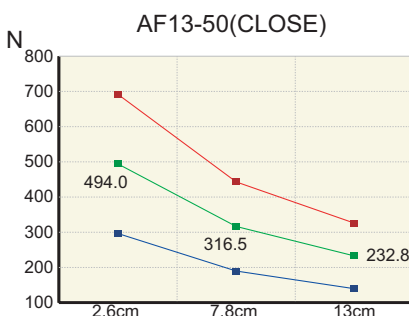
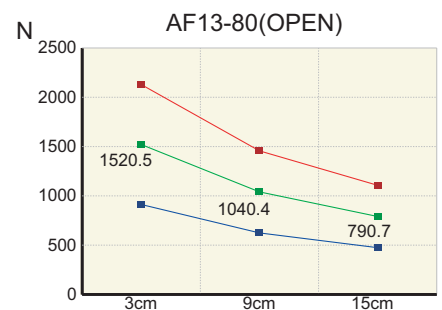
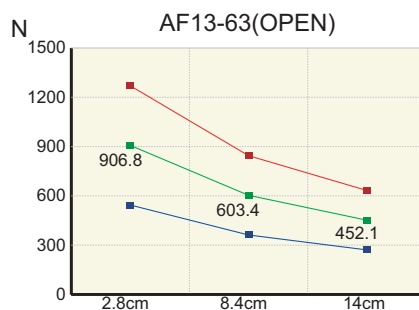
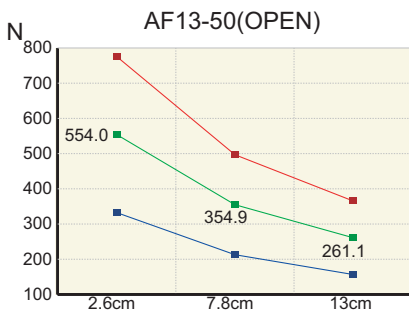
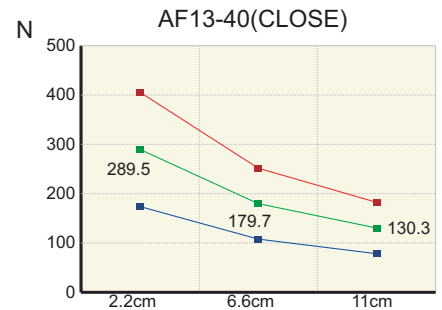
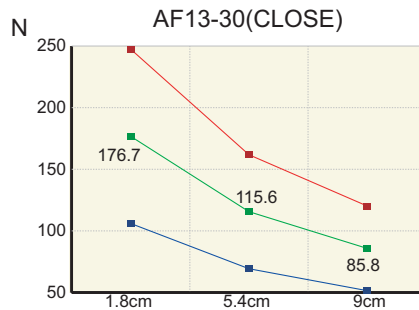
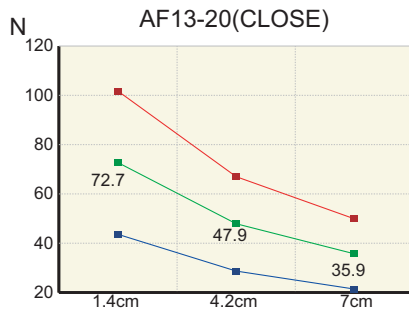
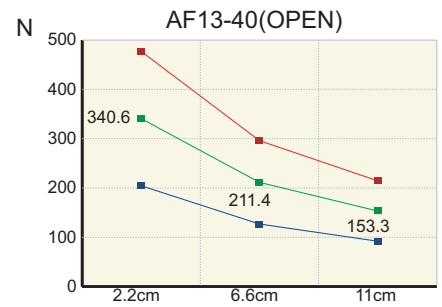
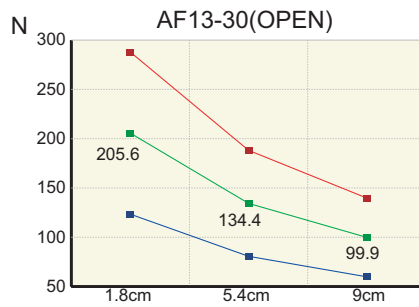
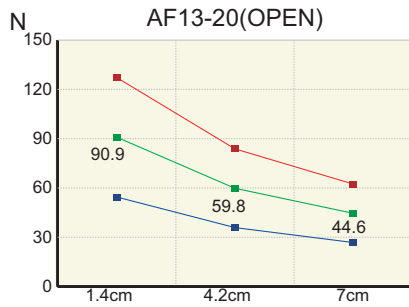
Products Name	AF13-50	AF13-63	AF13-80	AF13-100	Unit
Stroke	36	40	50	60	mm
Weight	3.35	5.03	8.29	12.7	kg
Max. length of attach	130	140	150	200	mm
Fitting size	PF(G) 1/8	PF(G) 1/8	PF(G) 1/8	PF(G) 1/8	
Gripping force:Open	154.02P/(1+0.015L)	242.31P/(1+0.012L)	395.34P/(1+0.01L)	654.33P/(1+0.01L)	N
Gripping force:Close	137.34P/(1+0.015L)	210.92P/(1+0.012L)	350.22P/(1+0.01L)	595.47P/(1+0.01L)	
Air consumption per cycle	65.0	114.9	235.9	450.0	cm ³
Closing / Opening time	0.03 / 0.04	0.05 / 0.06	0.11 / 0.12	0.22 / 0.23	sec
* Repeat accuracy	0.01	0.01	0.01	0.01	mm
Max.cycle per minute	40	30	30	20	
Operating pressure	3~7				bar
Ambient temperature	-5 to 60				°C
Lubrication	Needless				

* After 100 consecutive strokes to end positions

AF13

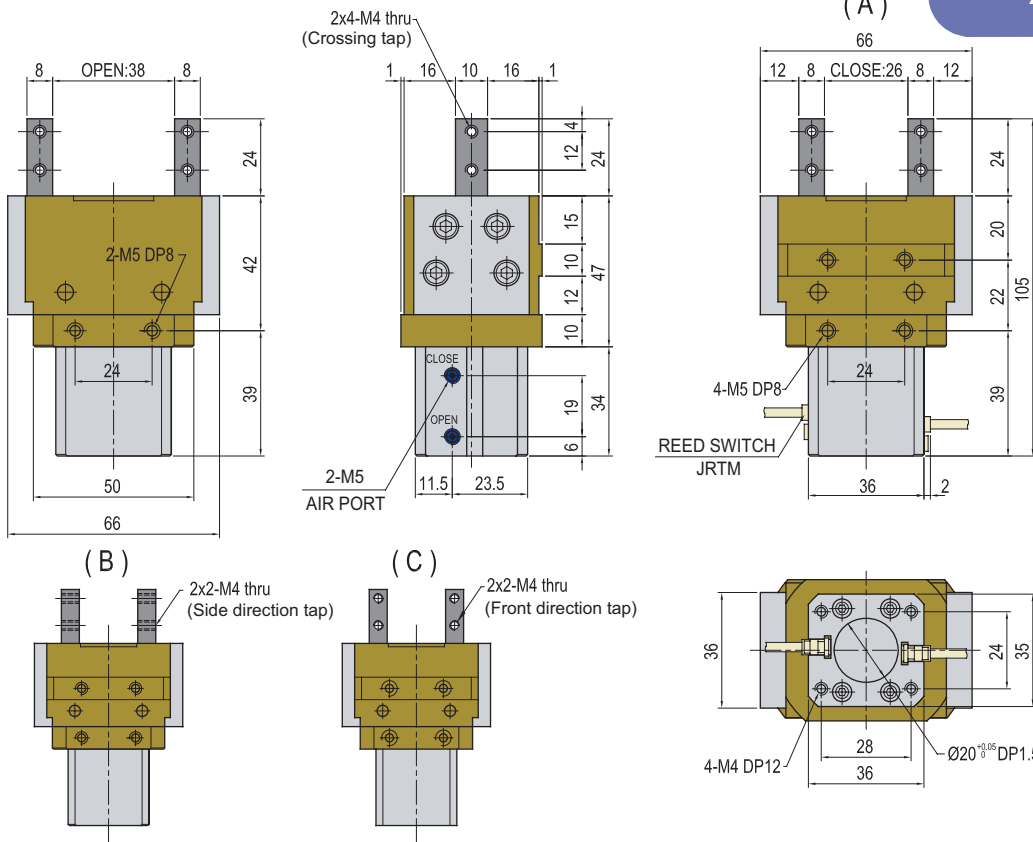
Gripping Force per exertion length

Legend : ■ 7[bar] ■ 5[bar] ■ 3[bar]

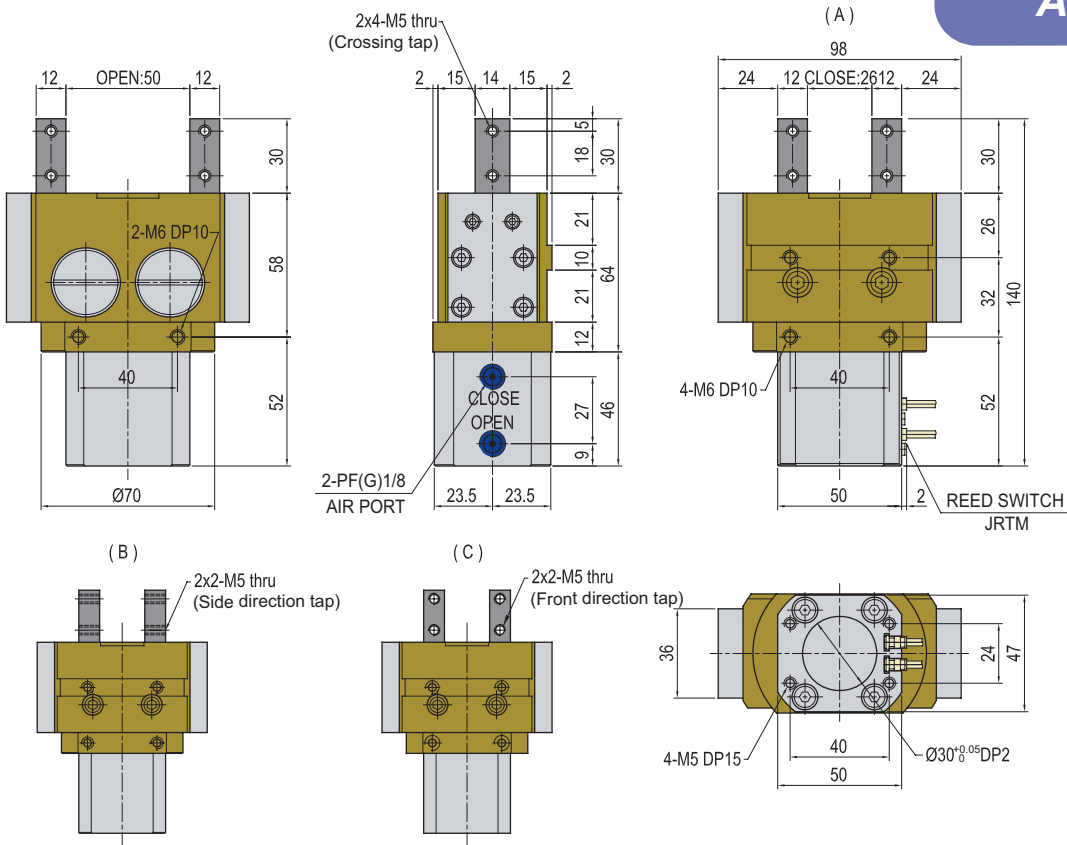


AF13

AF13-20

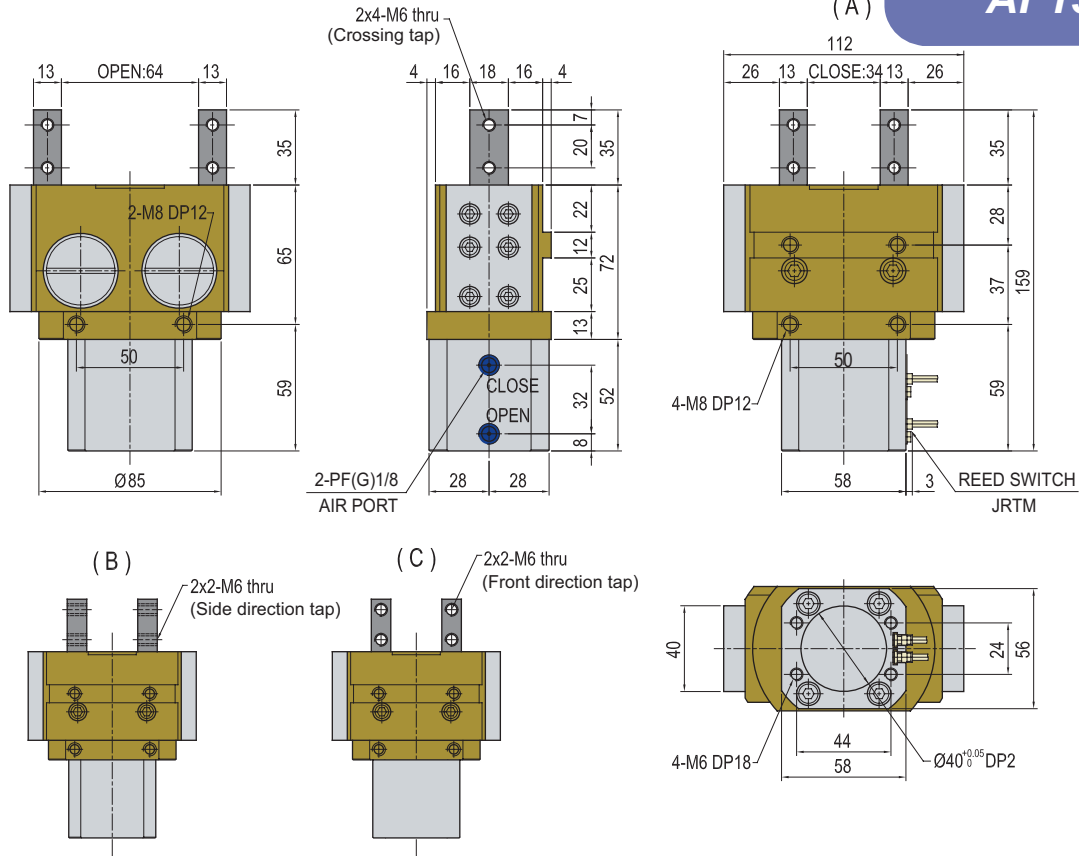


AF13-30

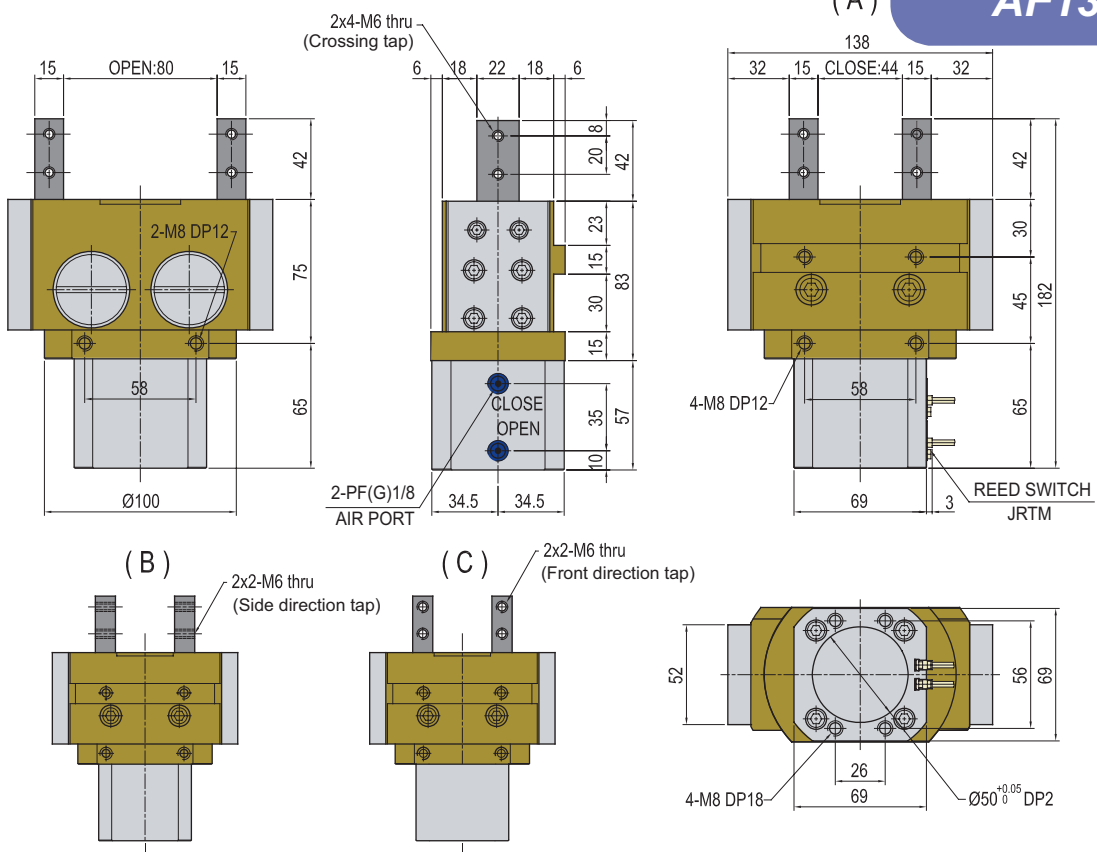


AF13

AF13-40

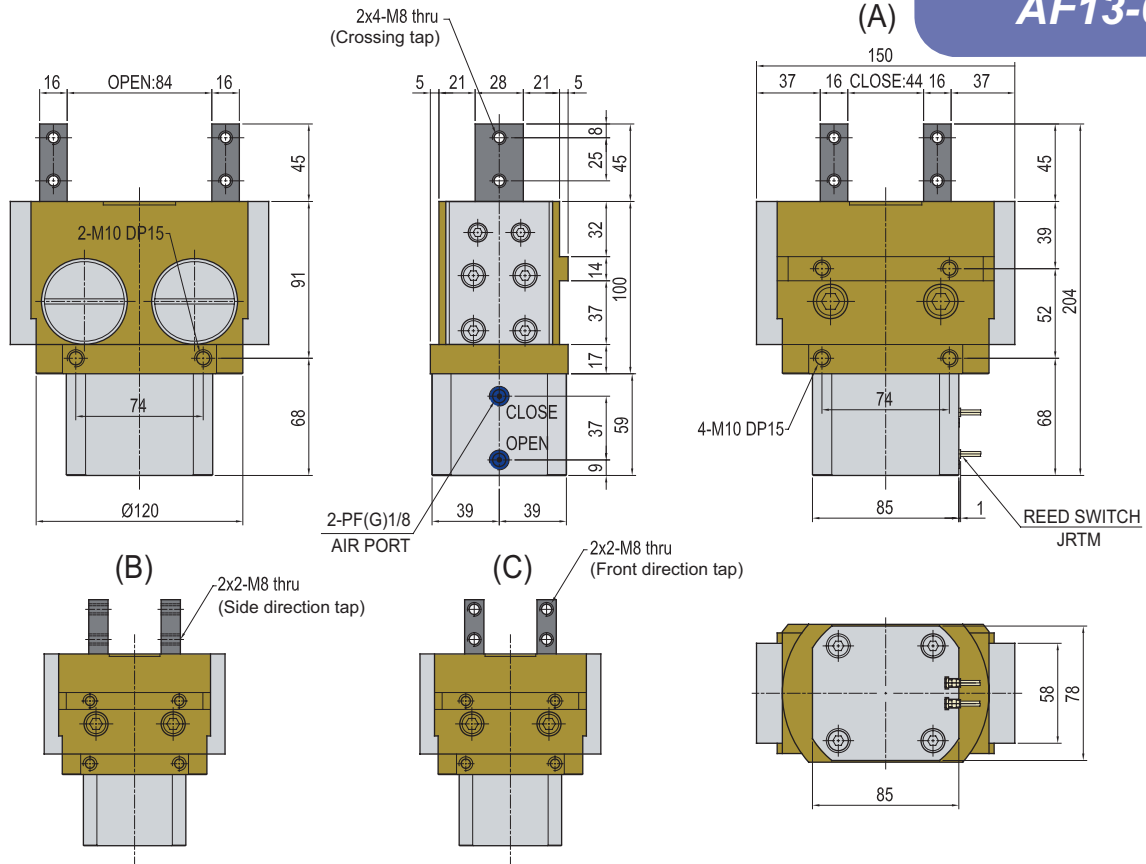


AF13-50

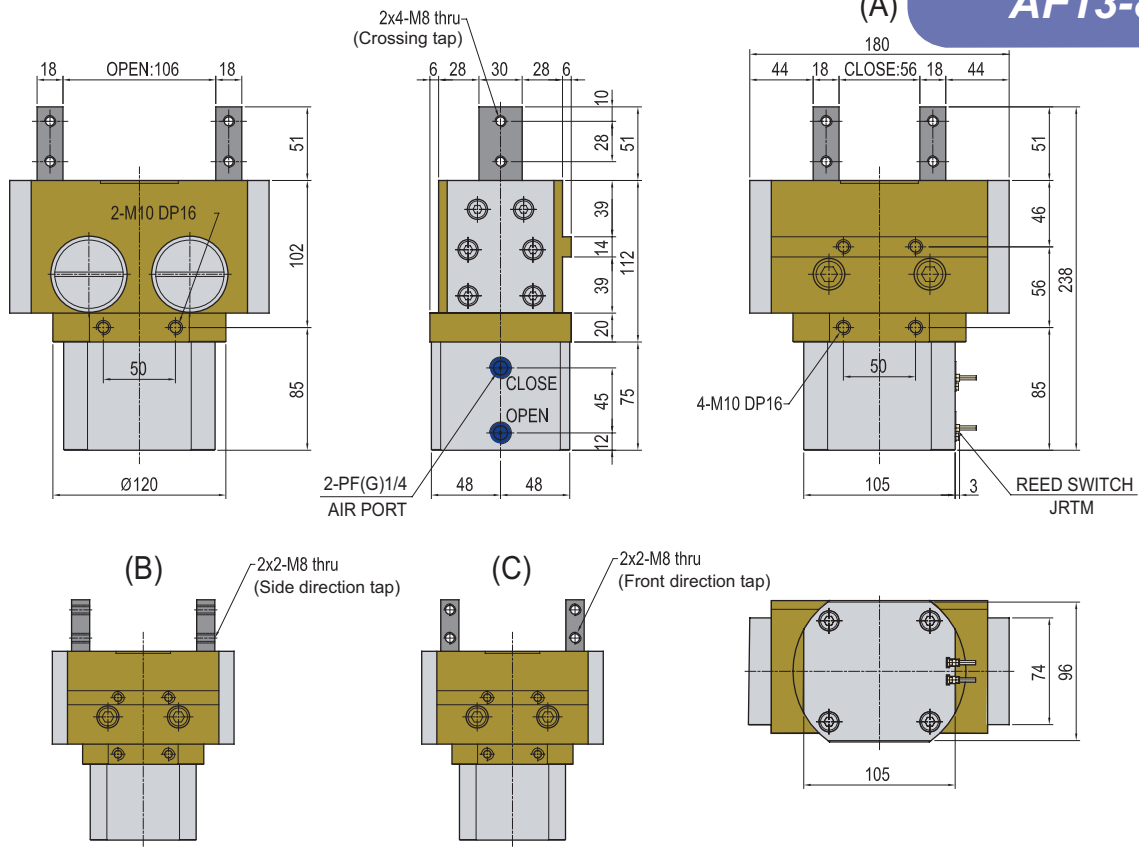


AF13

AF13-63

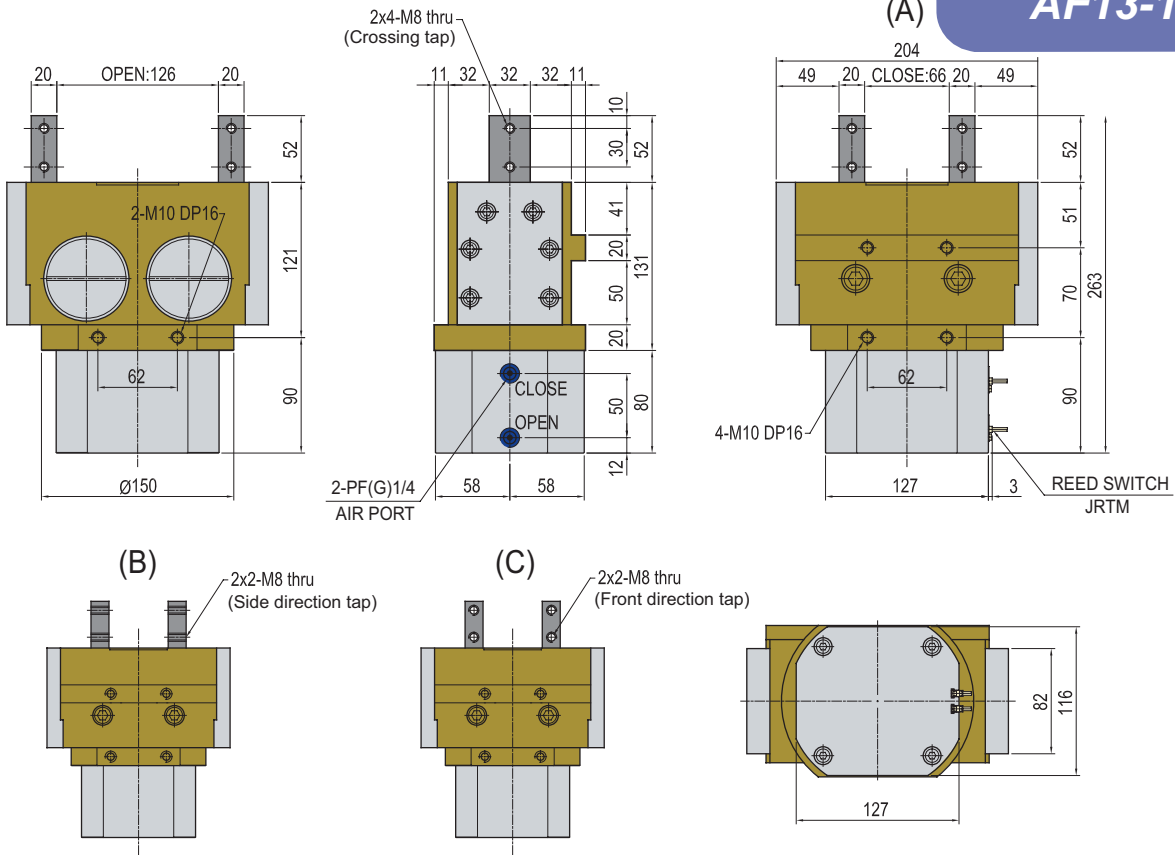


AF13-80



AF13

AF13-100



Note

Notes

A large rectangular area filled with a grid of dashed lines, intended for writing notes. The grid consists of 20 columns and 30 rows of squares.