

# Gripper

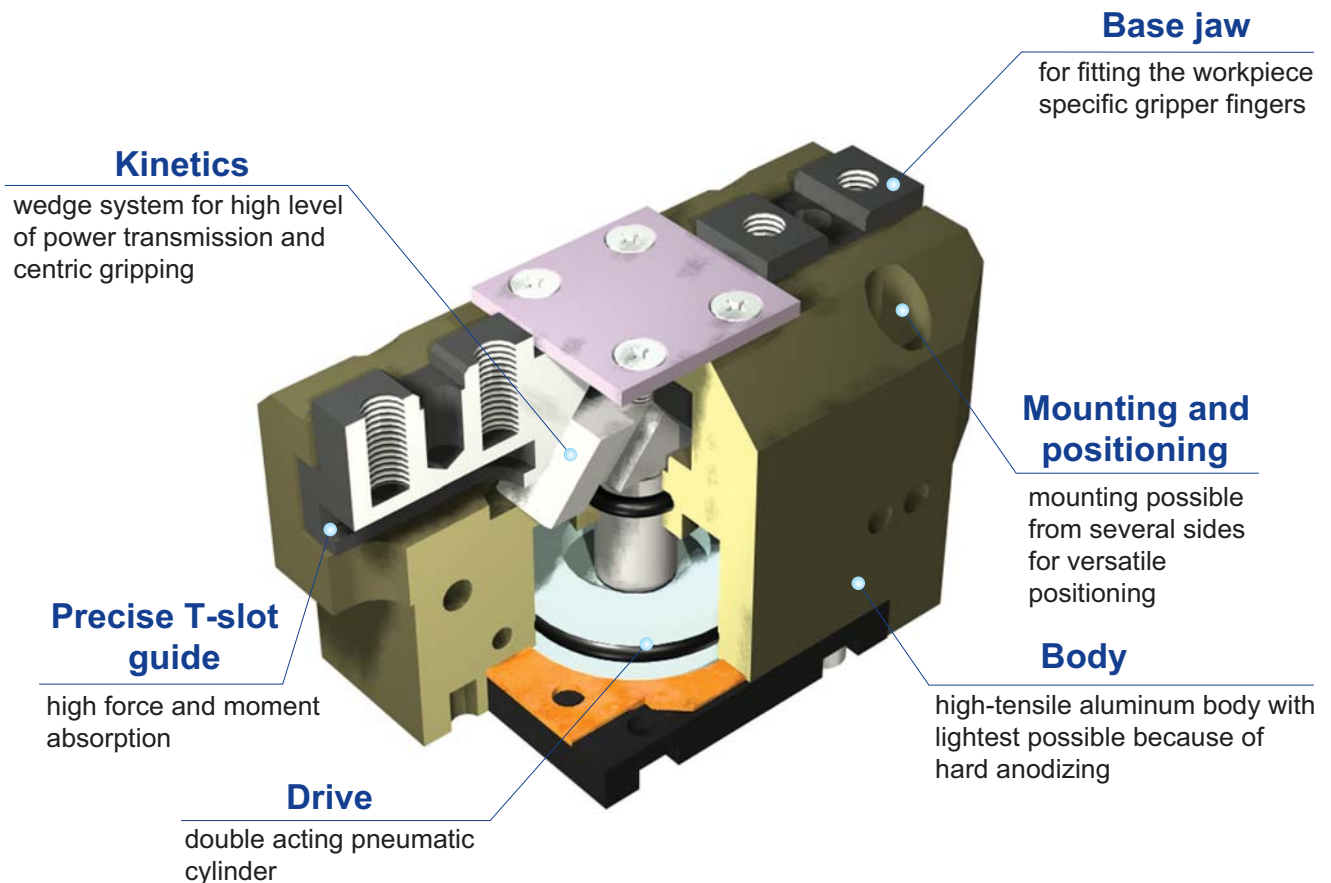
AF30-20,25,30,40,50,63,90,125

## Character

- Compact structure by wedge guide driving unit
- Location pin hole at an each mounting side
- Possible to use without the supply tube when you use back side support port(BP option)
- Proximity sensor is available for open-close sensing

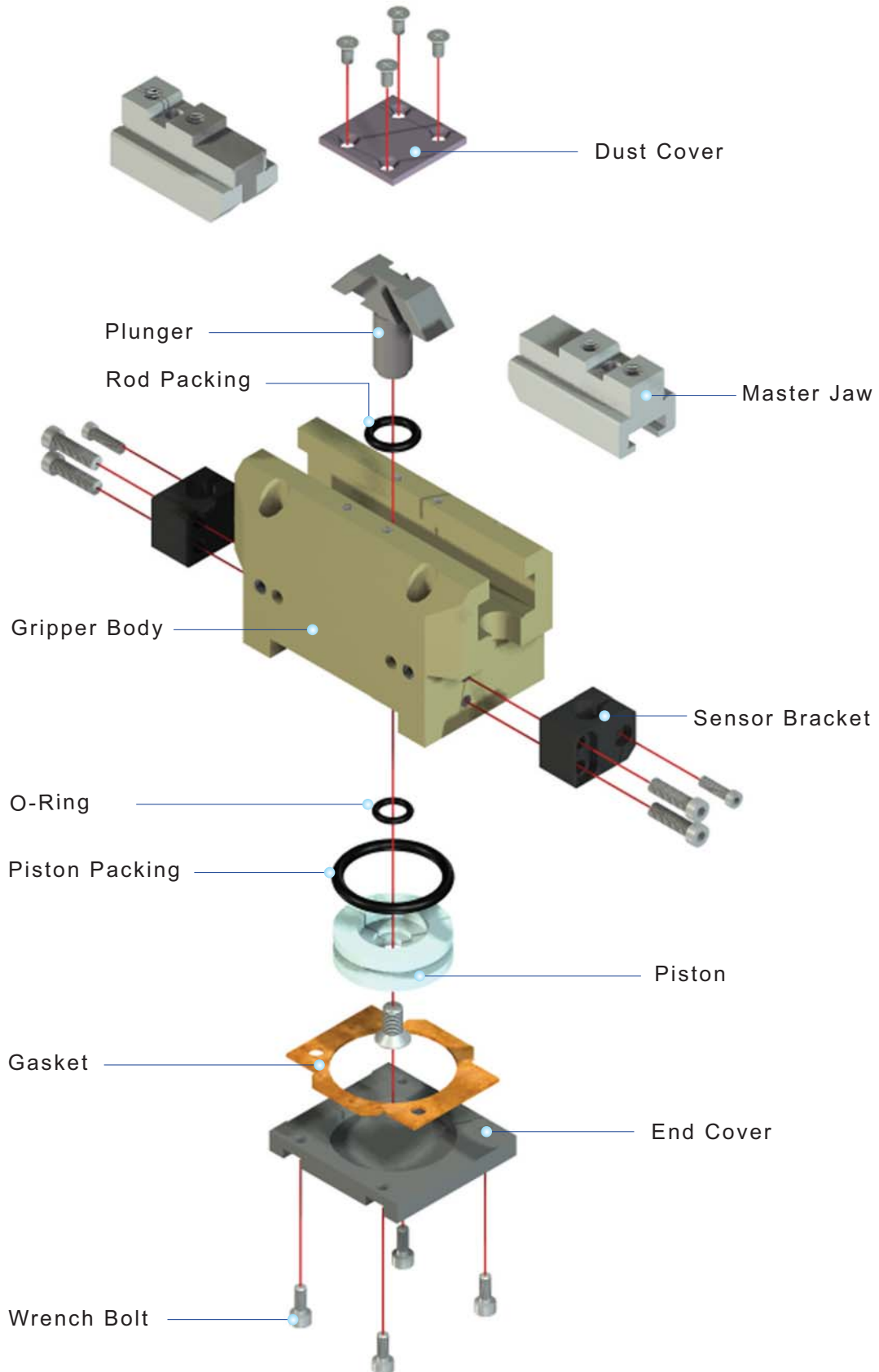


## Wedge type



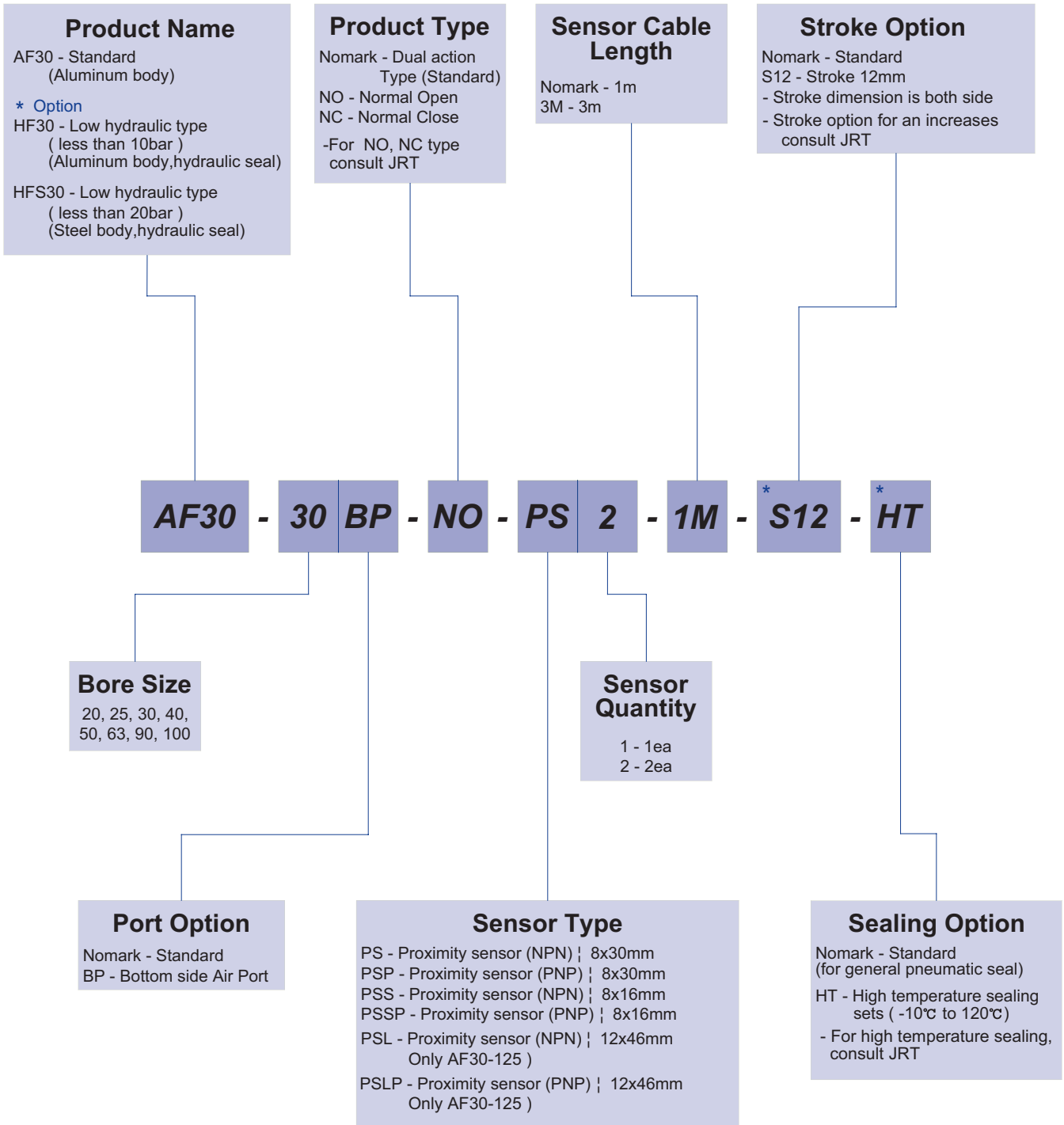
# AF30

## Exploded view



# AF30

## Ordering Code



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

# AF30

## Specification

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

Products Name	AF30-20	AF30-25	AF30-30	AF30-40	Unit
Stroke	8	12	16	20	mm
Weight	0.14	0.3	0.47	0.81	kg
Max. length of attach	50	50	50	50	mm
Fitting size	M5	M5	M5	PF(G) 1/8	
Gripping force:Open	28.45P/(1+0.16L)	43.16P/(1+0.12L)	62.78P/(1+0.09L)	112.82P/(1+0.07L)	N
Gripping force:Close	25.51P/(1+0.16L)	39.24P/(1+0.12L)	55.92P/(1+0.09L)	99.08P/(1+0.07L)	
Air consumption per cycle	3.5	7.0	13.4	30.7	cm <sup>3</sup>
Closing / Opening time	0.01 / 0.01	0.01 / 0.01	0.02 / 0.02	0.04 / 0.04	sec
* Repeat accuracy	0.01	0.01	0.01	0.01	mm
Max.cycle per minute	60	60	50	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]

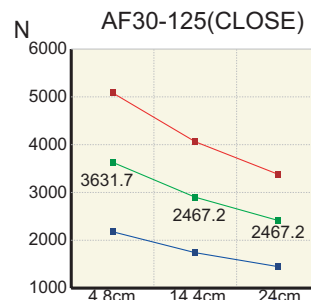
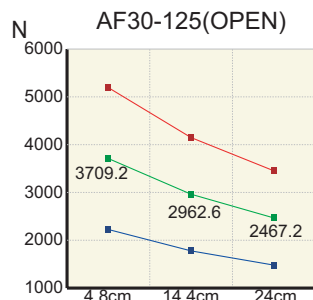
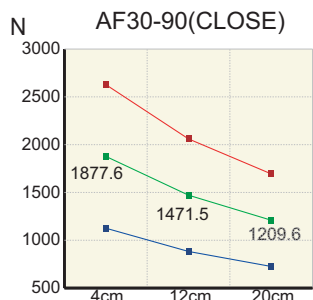
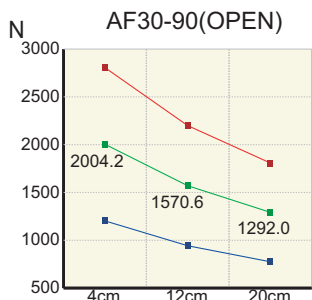
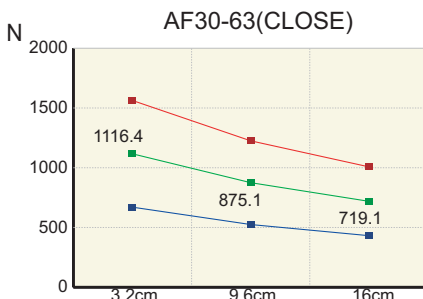
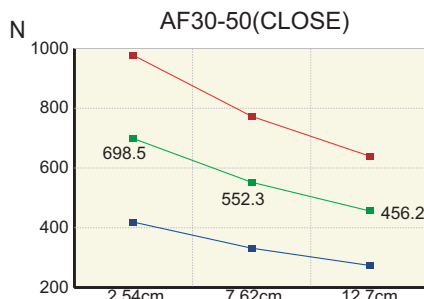
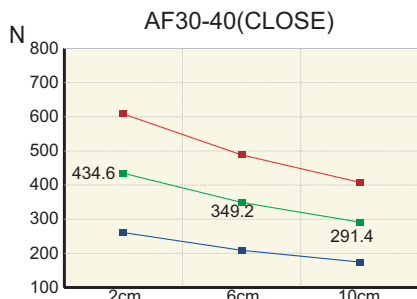
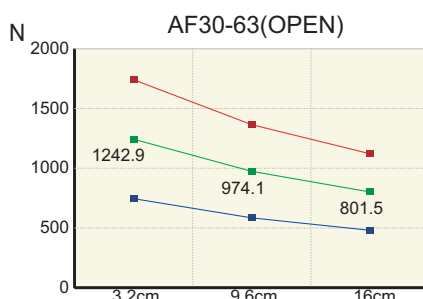
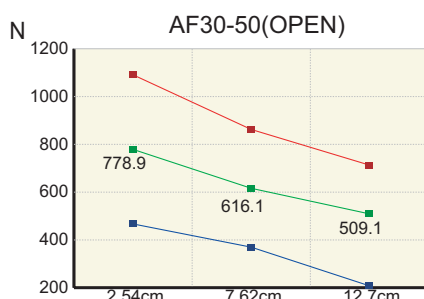
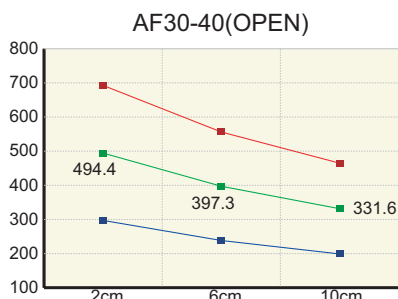
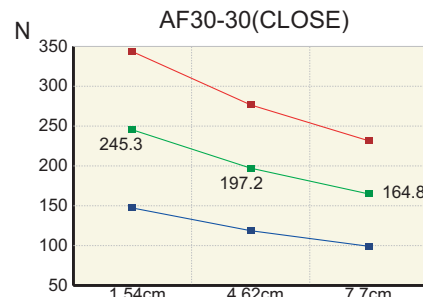
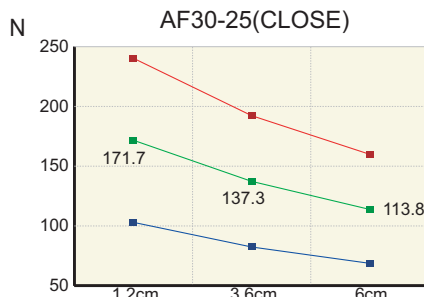
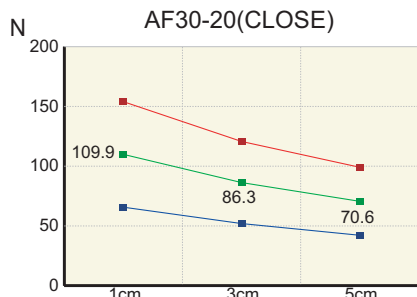
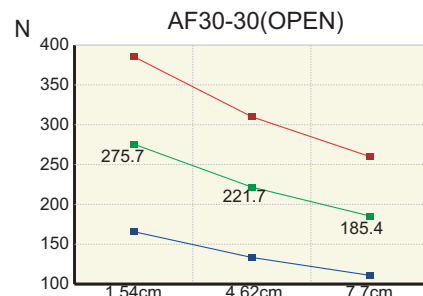
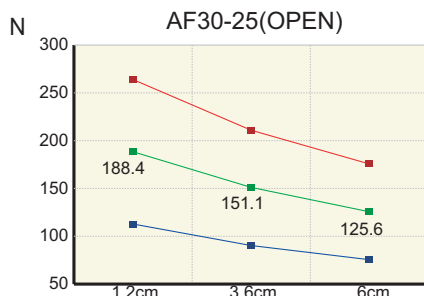
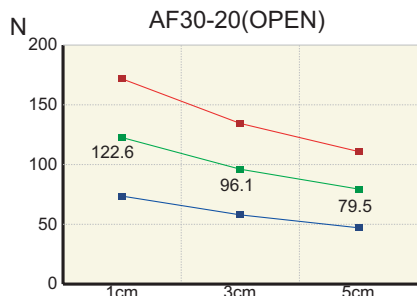
Products Name	AF30-50	AF30-63	AF30-90	AF30-125	Unit
Stroke	26	32	50	70	mm
Weight	1.37	2.6	4.8	13.9	kg
Max. length of attach	50	50	50	50	mm
Fitting size	PF(G) 1/8	PF(G) 1/8	PF(G) 1/8	PF(G) 1/4	
Gripping force:Open	179.52P/(1+0.06L)	288.41P/(1+0.05L)	464.99P/(1+0.04L)	848.57P/(1+0.03L)	N
Gripping force:Close	160.88P/(1+0.06L)	258.98P/(1+0.05L)	435.56P/(1+0.04L)	830.91P/(1+0.03L)	
Air consumption per cycle	59.6	118.4	305.8	978.6	cm <sup>3</sup>
Closing / Opening time	0.06 / 0.06	0.12 / 0.12	0.3 / 0.3	1.0 / 1.0	sec
* Repeat accuracy	0.02	0.02	0.02	0.02	mm
Max.cycle per minute	40	40	30	20	
Operating pressure	3~7				bar
Ambient temperature	-5 to 60				°C
Lubrication	Needless				

\* After 100 consecutive strokes to end positions

# AF30

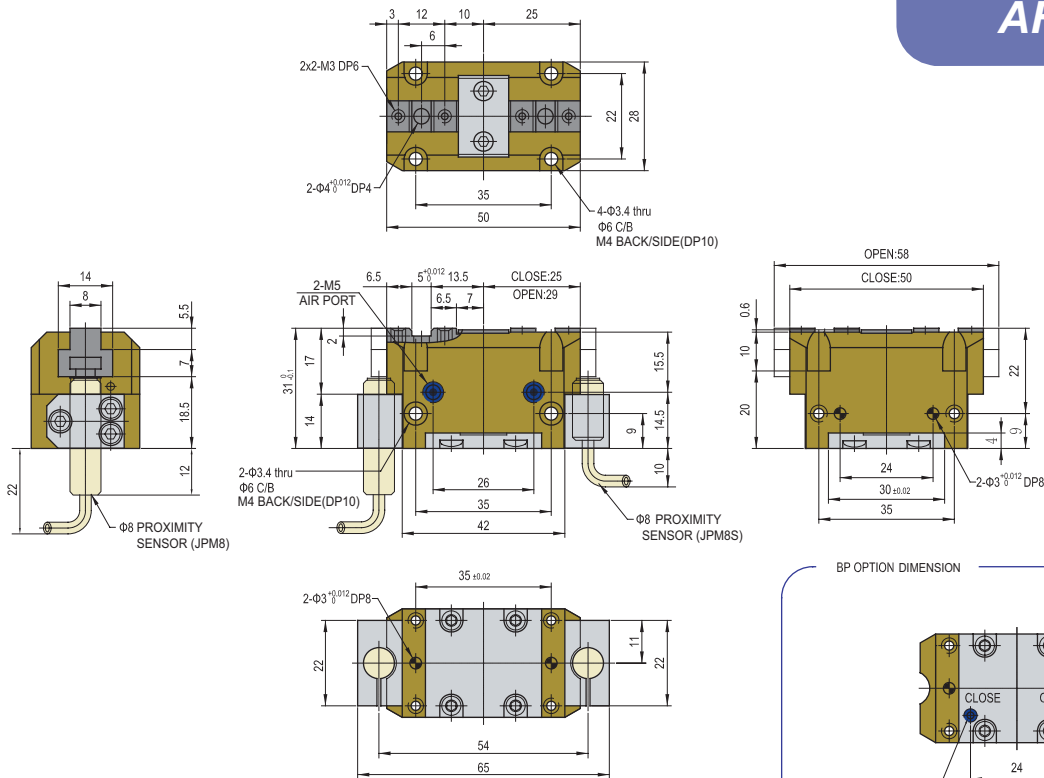
## Gripping Force per exertion length

Legend : — 7[bar] — 5[bar] — 3[bar]

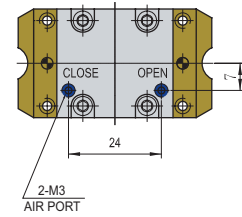


# AF30

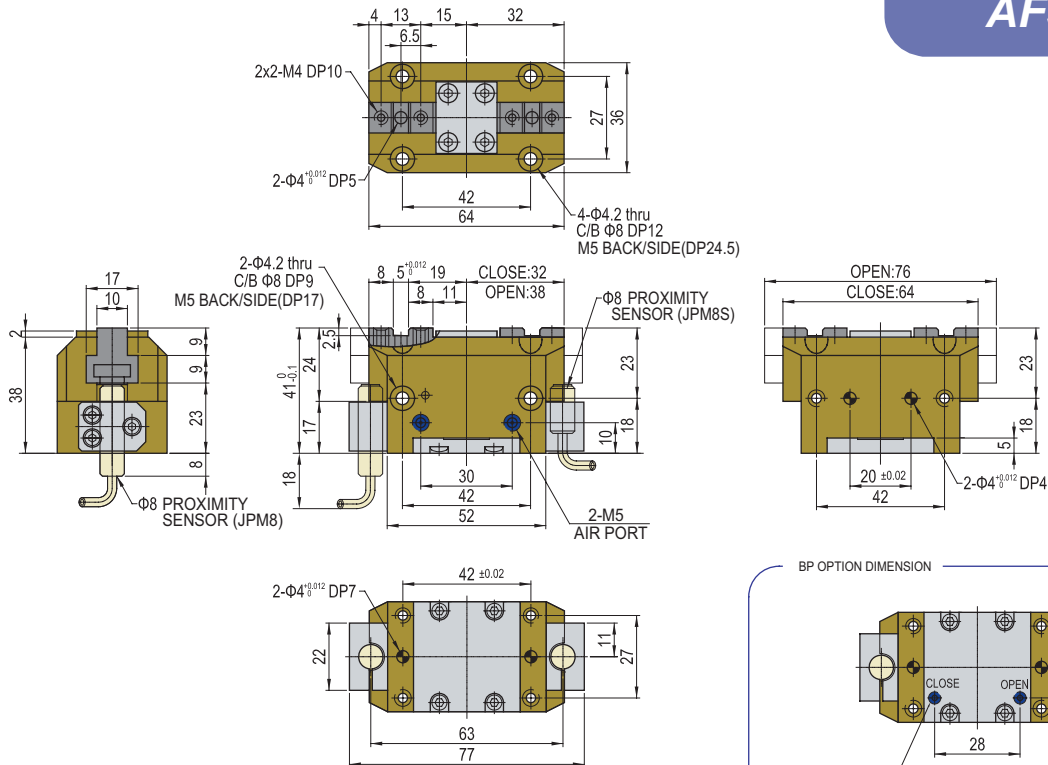
## AF30-20



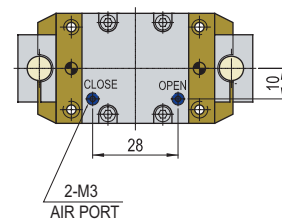
BP OPTION DIMENSION



## AF30-25

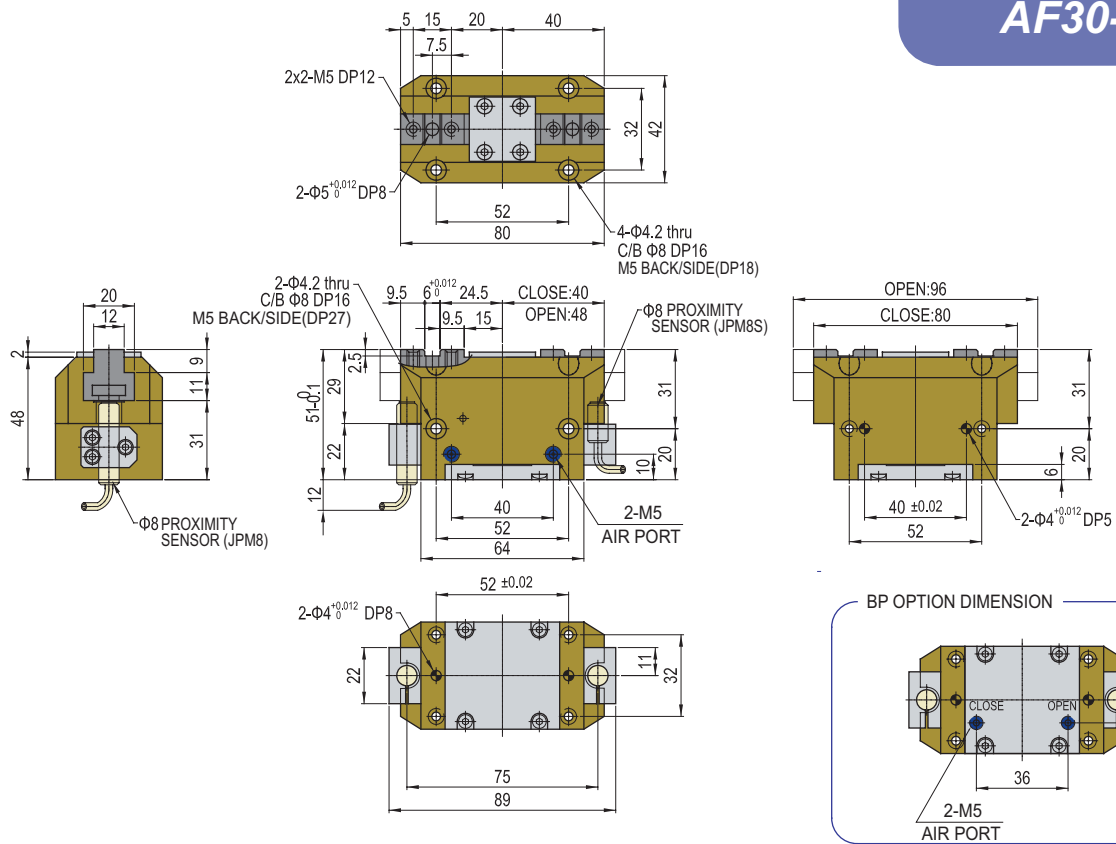


BP OPTION DIMENSION

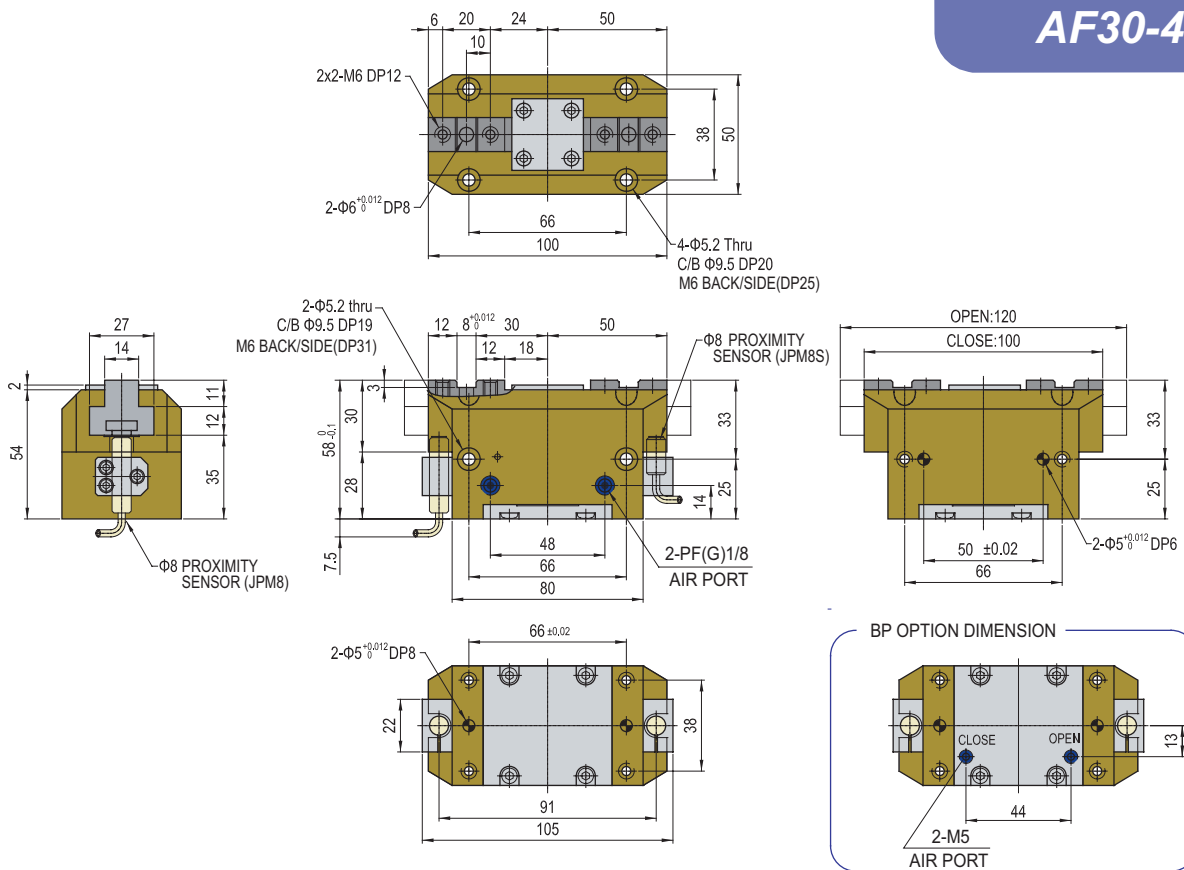


# AF30

## AF30-30

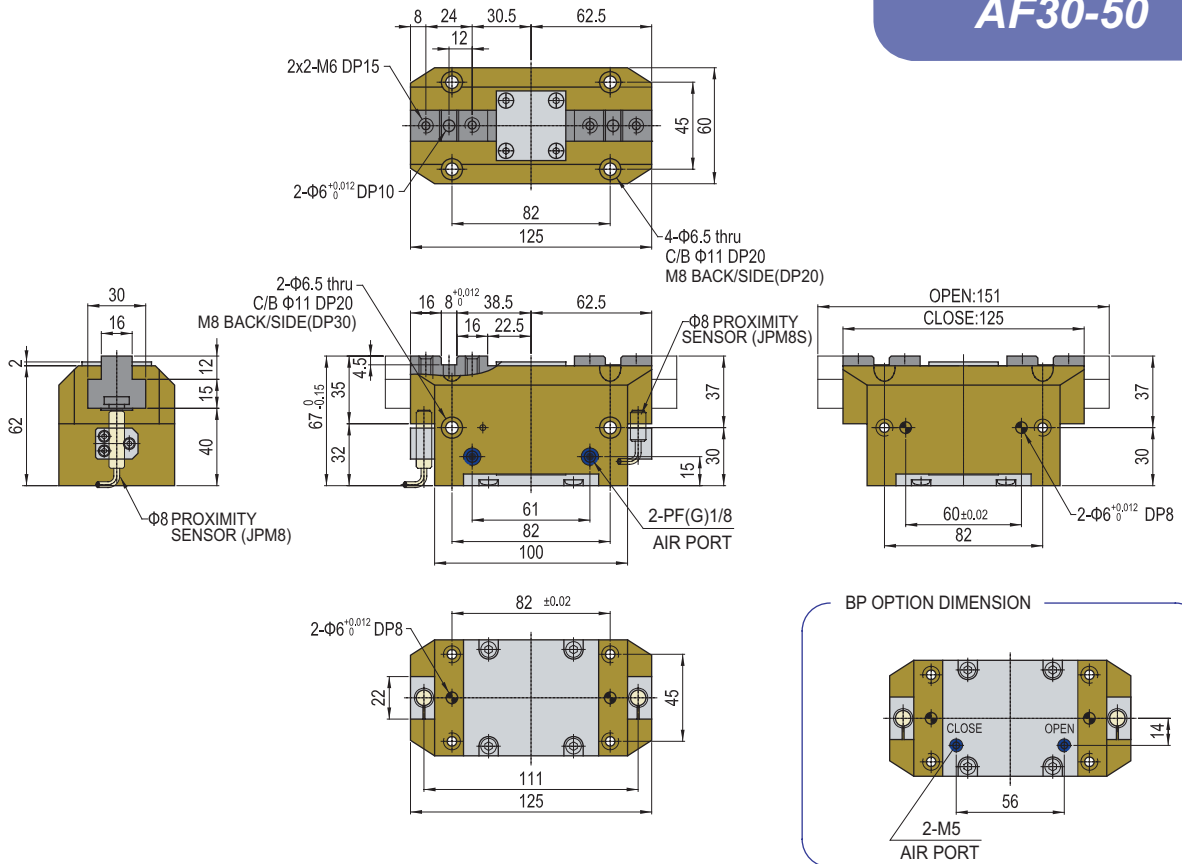


## AF30-40

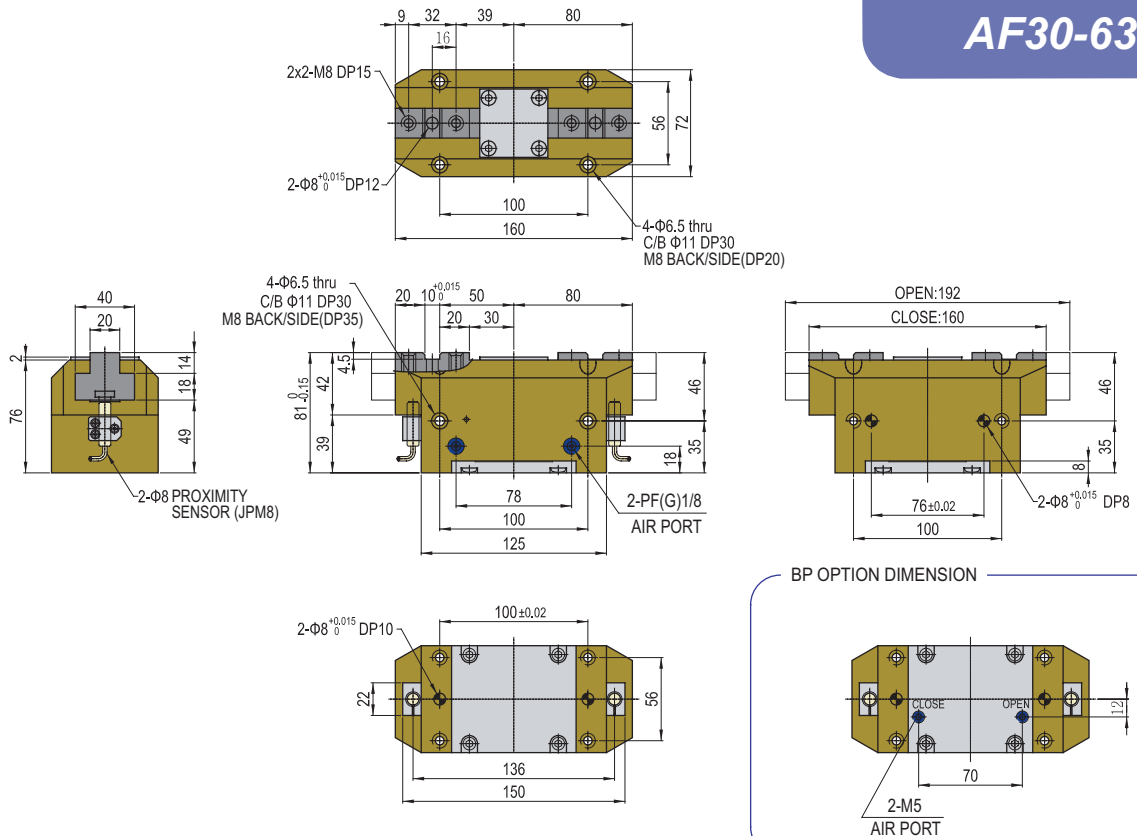


# AF30

## AF30-50



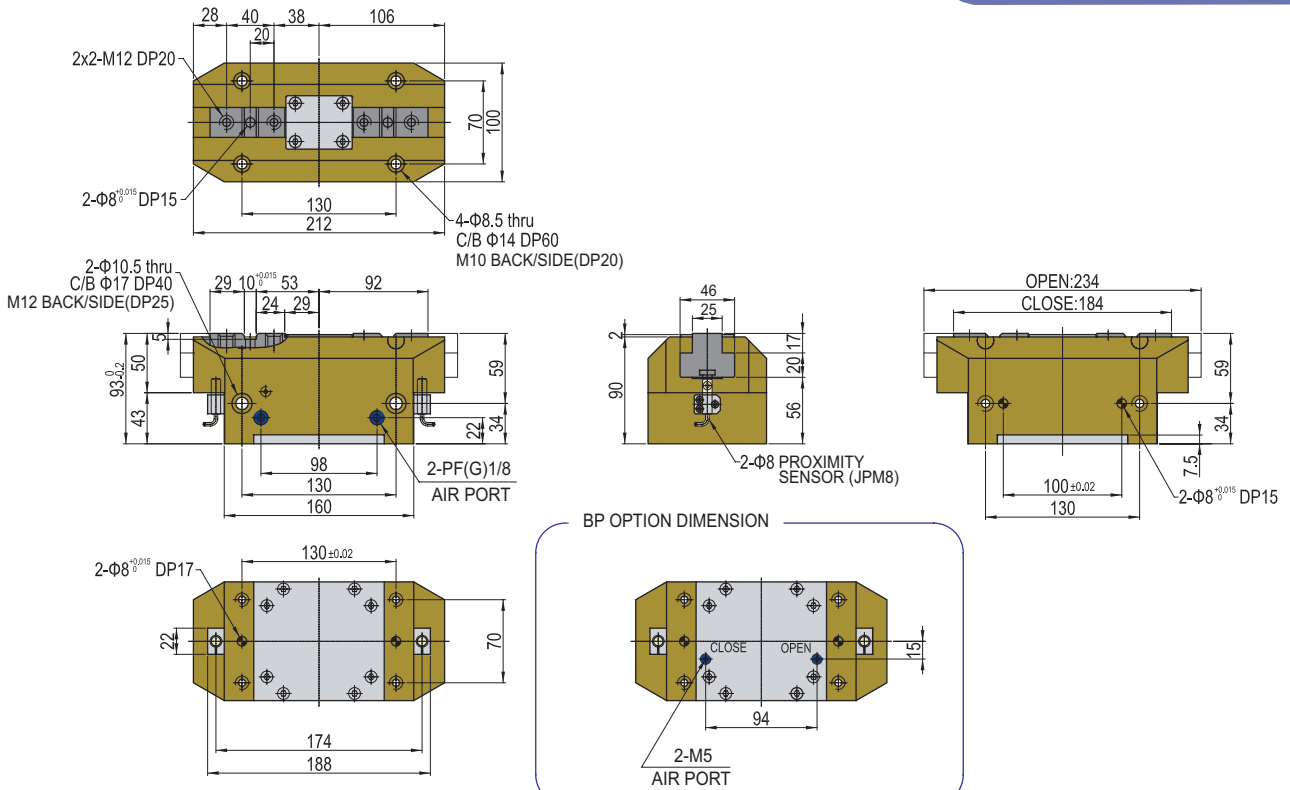
## AF30-63





# AF30

## AF30-90



## AF30-125

