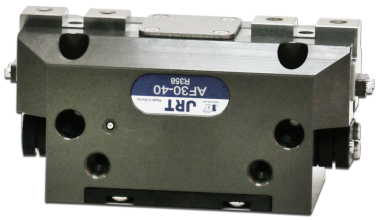
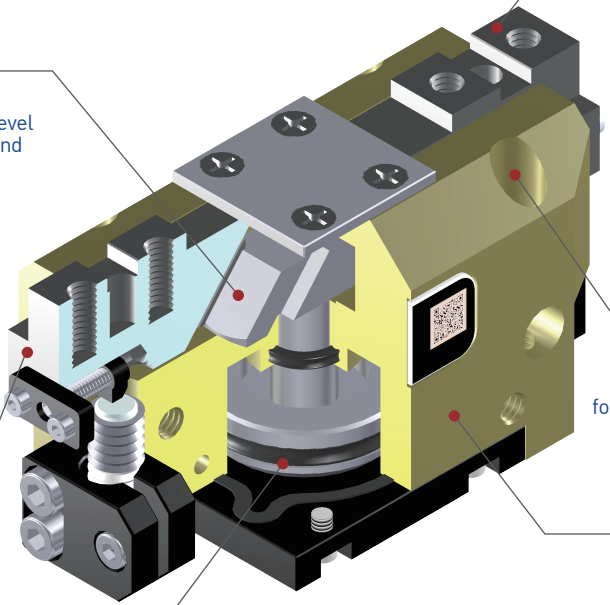
AF30-20, 25, 30, 40, 50, 63, 90, 125

특징 (Character)

- 테이퍼 슬라이딩 방식에 의한 견고한 면압구동방식
  Surface pressure driving type by taper sliding
- COMPACT한 구조와 다양한 취부 편의성
  Compact structure and various mounting convenience
- 배면포트를 이용(BP 옵션)하면 MODULE 구성시 AIR 배관에서 TUBE를 생략할 수 있어 공간절약 및 편리성의 추구가 가능
  Possible to use without the supply tube when you use back side support port(BP option)
- 근접스위치만 부착 가능합니다.
  Proximity sensor is available for open-close sensing.



웨지 방식 (Wedge type)



조 (Jaws)
파지부
for gripping

작동 방식 (Kinetics)
웨지 방식
wedge system for high level of power transmission and centric gripping

취부위치 (Mounting and positioning)
다방면 취부가 가능
mounting possible from several sides for versatile positioning

정밀한 T형 가이드 (Precise T-slot guide)
높은 힘과 고강성
high force and moment absorption

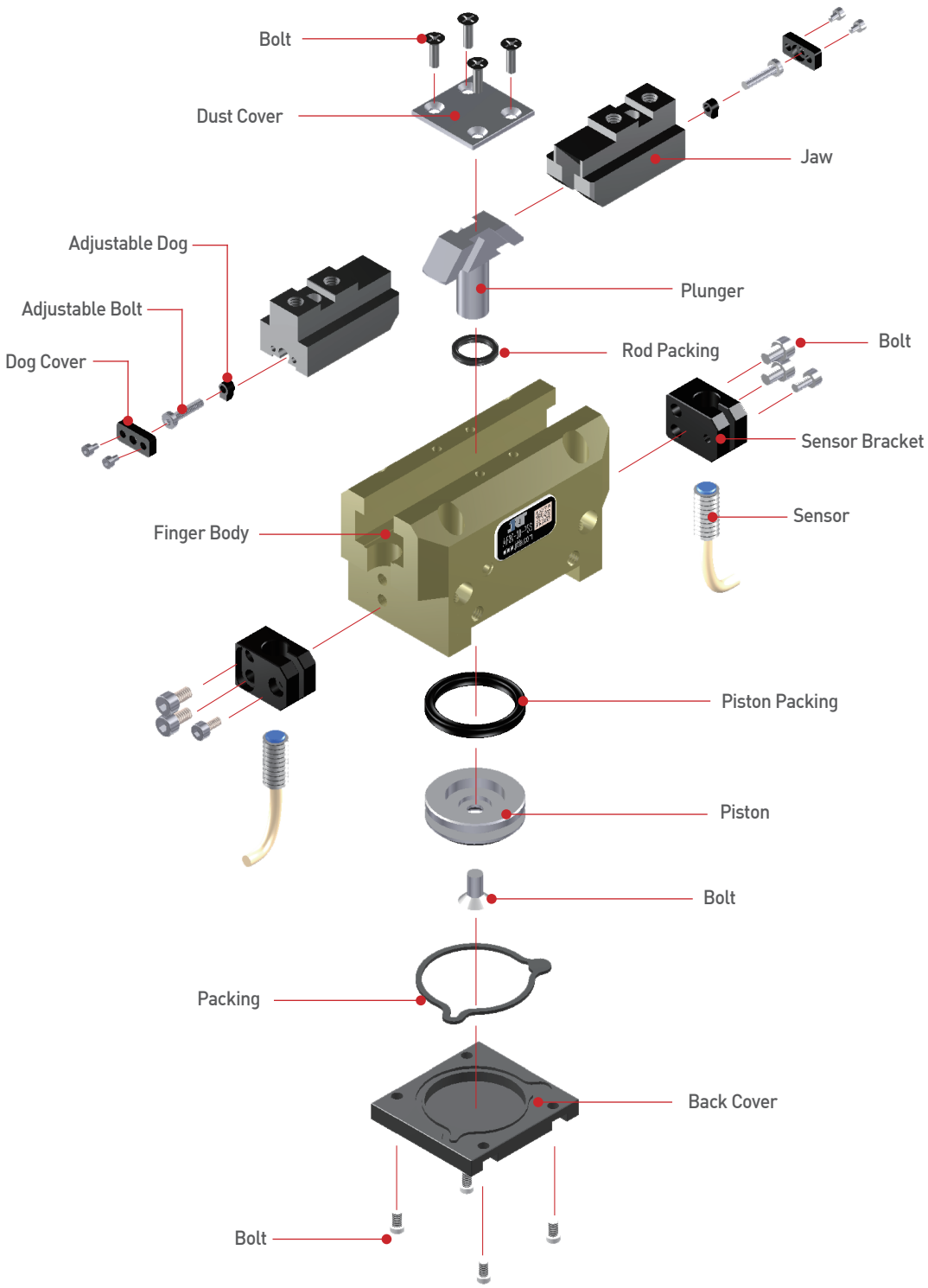
몸체 (Body)
경질 처리된 경량의 알루미늄 합금
high-tensile aluminum body with lightest possible because of hard anodizing

구동부 (Drive)
복동식
double acting pneumatic cylinder

AF101
AF02
AF04P
AF105P
AF10
AF13
AF14
AF15
AF316
AF316L
AF416
AF17
AF117
AF24
AF26
AF28D
AF28DS
AF30
AF30L
AF46
AF56L
RAF56N
MF16
JPGB
JEGG
JEGB
JEGC
JEGD
JVGE

부품분해도 (Exploded view)

※ 본 분해도는 한 제품을 예시하였으므로 기종별로 차이가 있을 수 있습니다.
※ This is exploded view illustrates a certain product only. The contents may vary by product models.



주문기호 (How to Order)

※ 옵션 사항이 적용되지 않는 제품이 있으니, 주문시 확인 바랍니다. (치수도 참조.)
※There are products that do not apply to options, so please check when ordering. (Refer to dimensions.)

제품명 Product Name	버전 Version	실린더직경 Bore Size	배관접속구옵션 Port Option	센서수량 Number of Sensor	센서 선 길이 Sensor Cable Length
AF30	SN / A	30	BP	NO	PS / 1	3M
	무기호 A Nil A	20, 25, 30 40 ,50, 63 90, 125	무기호 - 표준 BP - 밑면 배관 접속구 Nil - Standard BP - Bottom side Air Port	1 - 1개 무기호 - 2개 1 - 1pc. Nil - 2pcs.	무기호 - 1m 3M - 3m Nil - 1m 3M - 3m

행정 및 파지력 옵션 Stroke & Gripping force Option

무기호 : 표준
SN : WEDGE 각도를 변경하여 외형상의 치수변화 없이 행정은 확대되고, 파지력은 축소된 제품
SS : WEDGE 각도를 변경하여 외형상의 치수변화 없이 행정은 축소되고, 파지력은 확대된 제품

Nil: Standard
SN: Change the wedge angle to change the appearance The stroke is enlarged without dimensional change, Product with reduced gripping force.
SS: Change the wedge angle to change the appearance The stroke is shortened without dimensional change, Product with expanded gripping force.

상시개/폐(常時開/閉)옵션 Permanent on/off option

NO : Normal Open
(스프링을 이용한 상시 Open Type)
NC : Nomal Close
(스프링을 이용한 상시 Close Type)
*공간 제약상 SPRING만으로 공압에 준하는 유지력을 발생시킬 수 없습니다.

NO : Normal Open
(Permanent open-type using spring)
NC : Nomal Close
(Permanent close-type using spring)
* Because of space restriction, the sustaining force equivalent to pneumatic cannot be exerted using only a spring.

센서명칭 Sensor Type

무기호 - 센서 및 관련부품을 제공하지 않습니다.
*3선식 NPN 출력방식이 기본이며, 제품에 부착 가능한 센서 규격 및 주문기호는 센서 상세 페이지를 참조 바랍니다.

*참고사항
JPM8S - AF30-20~50까지 권장센서
JPM8 - AF30-20~90 사용 가능하나 AF30-20,25,30,40,50 제품은 센서 선이 BODY 밑면보다 돌출될 수 있습니다. (도면참조)
JPM12 - AF30-125 적용센서

Nil – Sensor and relevant parts are not supplied.
*3-line type NPN output method is the standard supply. For the specification of sensor attachable to the product and the sensor order code, refer to details of sensor part.
* Note
Recommendable for JPM8S - AF30-20~50
It can be used for JPM8 - AF30-20~90, but the sensor line may protrude beyond the body bottom plate in case of AF30-20, 25, 30, 40, and 50. (See the drawings)
Applicable to JPM12 - AF30-125

AF30L 주문기호 (AF30L How to Order)

제품명 Product Name	버전 Version	실린더직경 Bore Size	위와 동일 Same as above
AF30L	A	40	BP	PS	1	3M
	무기호 A Nil A	40, 50, 63	

※ AF30 type의 취부호환성과 파지력을 유지하며 개폐범위를 획기적으로 증대시킨 제품입니다.
It is interfaced with AF30 type and maintains the same gripping force, but significantly increases its stroke.

제품사양 (Specification)

P=공기압력(bar), L=작용점까지의 거리(mm)
P = Air Pressure(bar), L = Gripping point distance(mm)

제품명칭 Products Name	AF30A-20			AF30A-25			AF30A-30			단위 Unit
	Standard	AF30SNA-20	AF30SSA-20	Standard	AF30SNA-25	AF30SSA-25	Standard	AF30SNA-30	AF30SSA-30	
개폐범위 Stroke	8	10	4	12	16	6	16	20	8	mm
제품중량 Weight	0.14			0.3			0.47			kg
최대치구길이 Max. length attach	50			60			77			mm
배관접속구 Fitting size	M5			M5			M5			
파지력 : 열림시 Gripping force : Open	28.45P / 1+0.016L	23.87P / 1+0.016L	51.20P / 1+0.016L	43.16P / 1+0.012L	36.22P / 1+0.012L	77.67P / 1+0.012L	62.78P / 1+0.009L	52.68P / 1+0.009L	112.97P / 1+0.009L	N
파지력 : 닫힘시 Gripping force : Close	25.51P / 1+0.016L	21.41P / 1+0.016L	45.91P / 1+0.016L	39.24P / 1+0.012L	32.93P / 1+0.012L	70.61P / 1+0.012L	55.92P / 1+0.009L	46.92P / 1+0.009L	100.63P / 1+0.009L	N
1사이클당 공기소모량 Air consumption per cycle	3.5			7.0			13.4			cm^3
닫힘시/열림시 시간 Closing / Opening time	0.01/0.01			0.01/0.01			0.02/0.02			sec
반복정밀도 Repeat accuracy	0.01			0.01			0.01			mm
연속사용회수 Continuation usage amount	60			60			50			cpm
사용압력 Operating pressure	3~7									bar
주위온도 Ambient temperature	-5 to 60									℃
윤활 Lubrication	불필요 Needless									

제품명칭 Products Name	AF30A-40				AF30A-50				단위 Unit
	Standard	AF30SNA-40	AF30SSA-40	AF30LA-40	Standard	AF30SNA-50	AF30SSA-50	AF30LA-50	
개폐범위 Stroke	20	26	10	40	26	32	12	46	mm
제품중량 Weight	0.81			1.4	1.37			2.3	kg
최대치구길이 Max. length attach	100				127				mm
배관접속구 Fitting size	PF(G) 1/8				PF(G) 1/8				
파지력 : 열림시 Gripping force : Open	112.82P / 1+0.007L	94.67P / 1+0.007L	203.02P / 1+0.007L	112.82P / 1+0.007L	179.52P / 1+0.006L	150.64P / 1+0.006L	323.05P / 1+0.006L	179.52P / 1+0.006L	N
파지력 : 닫힘시 Gripping force : Close	99.08P / 1+0.007L	83.14P / 1+0.007L	178.30P / 1+0.007L	99.08P / 1+0.007L	160.88P / 1+0.006L	135.00P / 1+0.006L	289.51P / 1+0.006L	160.88P / 1+0.006L	N
1사이클당 공기소모량 Air consumption per cycle	30.7			58	59.6			113	cm^3
닫힘시/열림시 시간 Closing / Opening time	0.04/0.04			0.06/0.06	0.06/0.06			0.08/0.08	sec
반복정밀도 Repeat accuracy	0.02			0.02	0.02			0.02	mm
연속사용회수 Continuation usage amount	50			40	40			30	cpm
사용압력 Operating pressure	3~7								bar
주위온도 Ambient temperature	-5 to 60								℃
윤활 Lubrication	불필요 Needless								

반복정밀도 : 연속 100회 작동후 측정치
After 100 consecutive strokes to end positions

제품사양 (Specification)

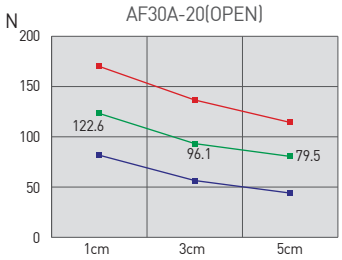
P=공기압력(bar), L=작용점까지의 거리(mm)
P = Air Pressure(bar), L = Gripping point distance(mm)

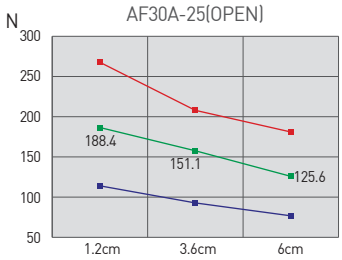
제품명칭 Products Name	AF30A-63				AF30A-90		AF30-125		단위 Unit
	Standard	AF30SNA-63	AF30SSA-63	AF30LA-63	Standard	AF30SSA-90	Standard	AF30SSA-125	
개폐범위 Stroke	32	38	16	52	50	28	70	40	mm
제품중량 Weight	2.6			3.8	4.8		13.9		kg
최대치구길이 Max. length attach	160				200		240		mm
배관접속구 Fitting size	PF(G) 1/8				PF(G) 1/8		PF(G) 1/4		
파지력 : 열림시 Gripping force : Open	288.41P / 1+0.005L	242.02P / 1+0.005L	519.00P / 1+0.005L	288.41P / 1+0.005L	464.99P / 1+0.004L	805.36P / 1+0.004L	848.57P / 1+0.003L	1459.54P / 1+0.003L	N
파지력 : 닫힘시 Gripping force : Close	258.98P / 1+0.005L	217.32P / 1+0.005L	466.04P / 1+0.005L	258.98P / 1+0.005L	435.56P / 1+0.004L	754.39P / 1+0.004L	830.91P / 1+0.003L	1429.17P / 1+0.003L	N
1사이클당 공기소모량 Air consumption per cycle	118.4			199	305.8		978.6		cm^3
닫힘시/열림시 시간 Closing / Opening time	0.12/0.12			0.14/0.14	0.3/0.3		1.0/1.0		sec
반복정밀도 Repeat accuracy	0.02			0.02	0.02		0.02		mm
연속사용회수 Continuation usage amount	40			30	30		20		cpm
사용압력 Operating pressure	3~7								bar
주위온도 Ambient temperature	-5 to 60								℃
윤활 Lubrication	불필요 Needless								

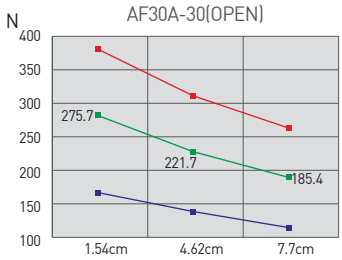
반복정밀도 : 연속 100회 작동후 측정치
After 100 consecutive strokes to end positions

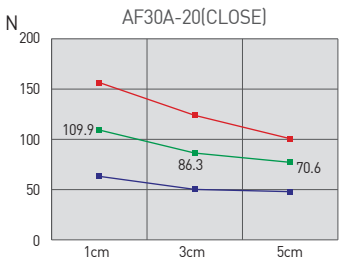
작용점에서의 파지력 (Gripping Force From a Point of Action)

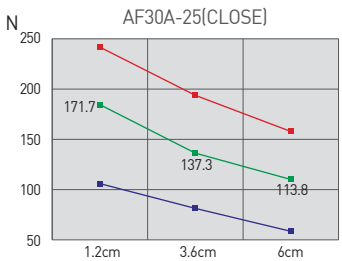
범례(Legend) : 7[bar] 5[bar] 3[bar]

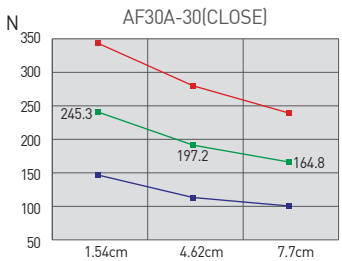


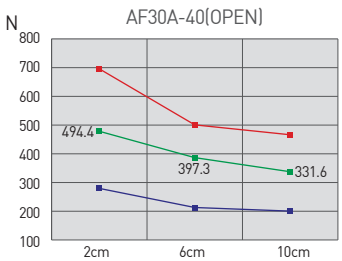


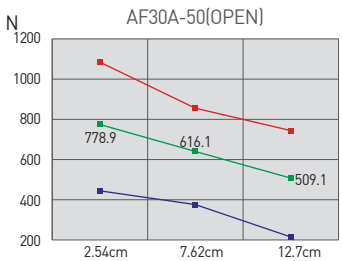


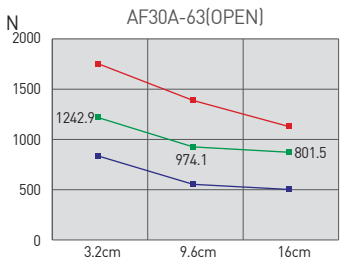


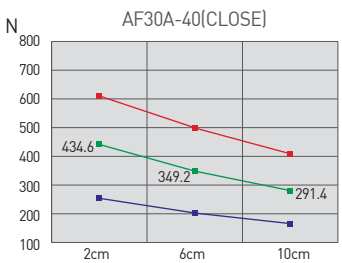


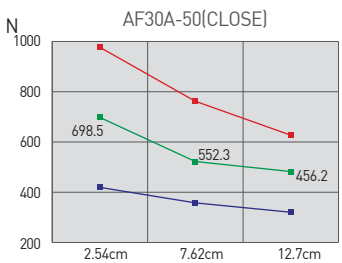


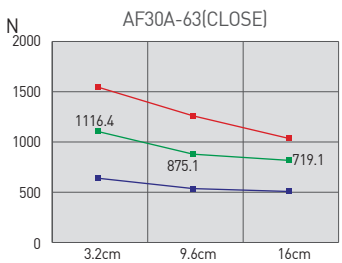


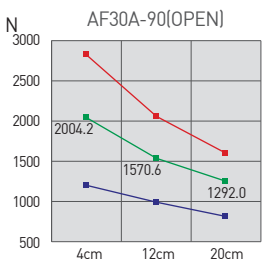


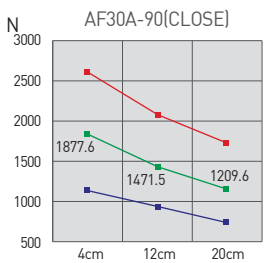


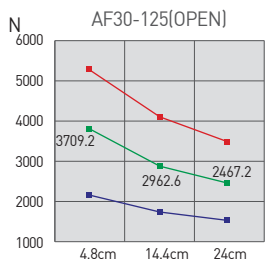


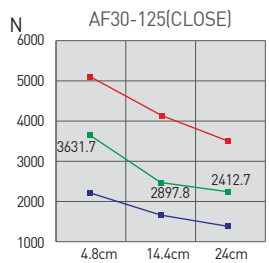




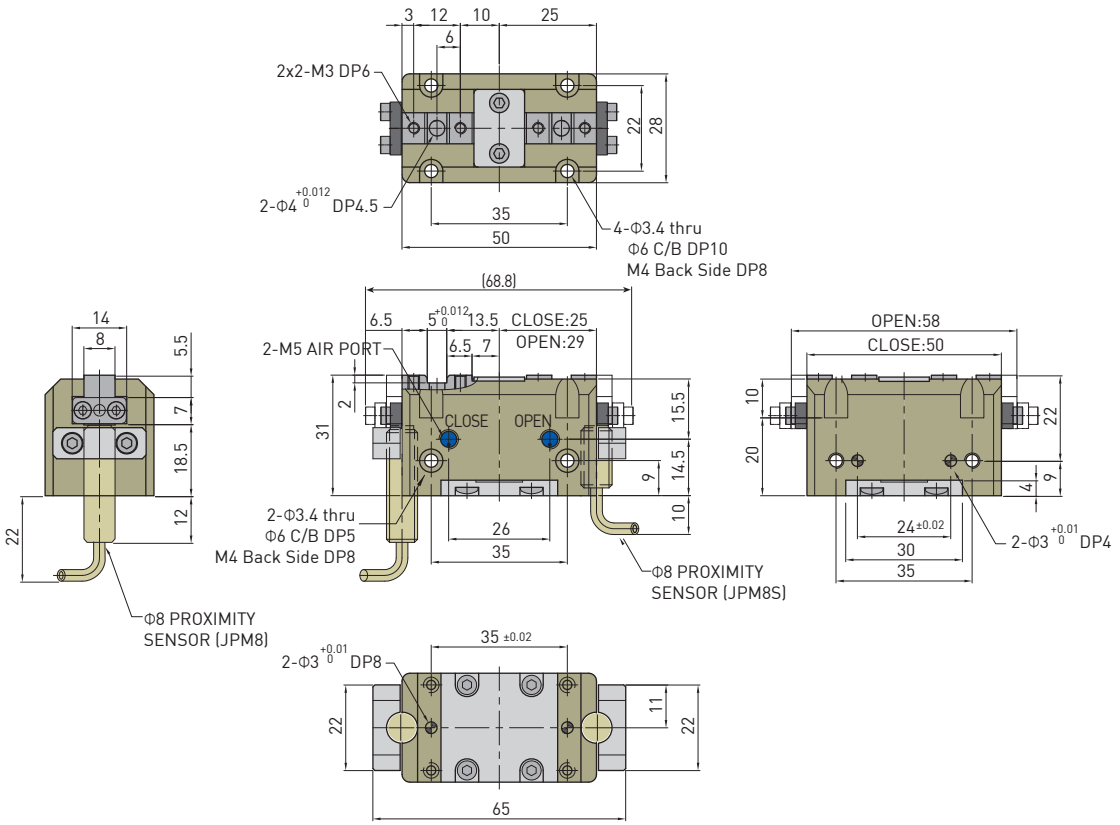




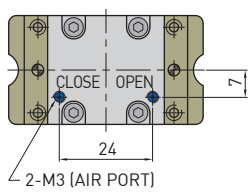




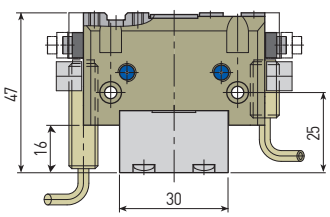
AF30A-20



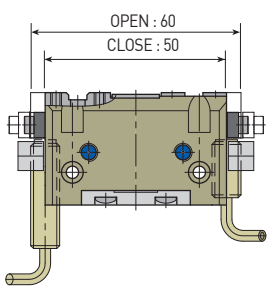
■ AF30A-20 BP (밑면 포트 옵션)
BP(Bottom Port) AF30A-20 BP



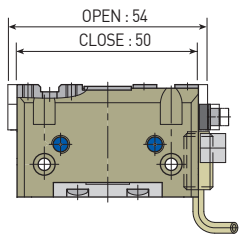
■ AF30A-20 NO / NC(상시 개.폐 옵션)
AF30A-20 NO / NC(NORMAL OPEN / NORMAL CLOSE)



■ AF30SNA-20 (행정 확대 제품)
AF30SNA-20 (Stroke extended product)

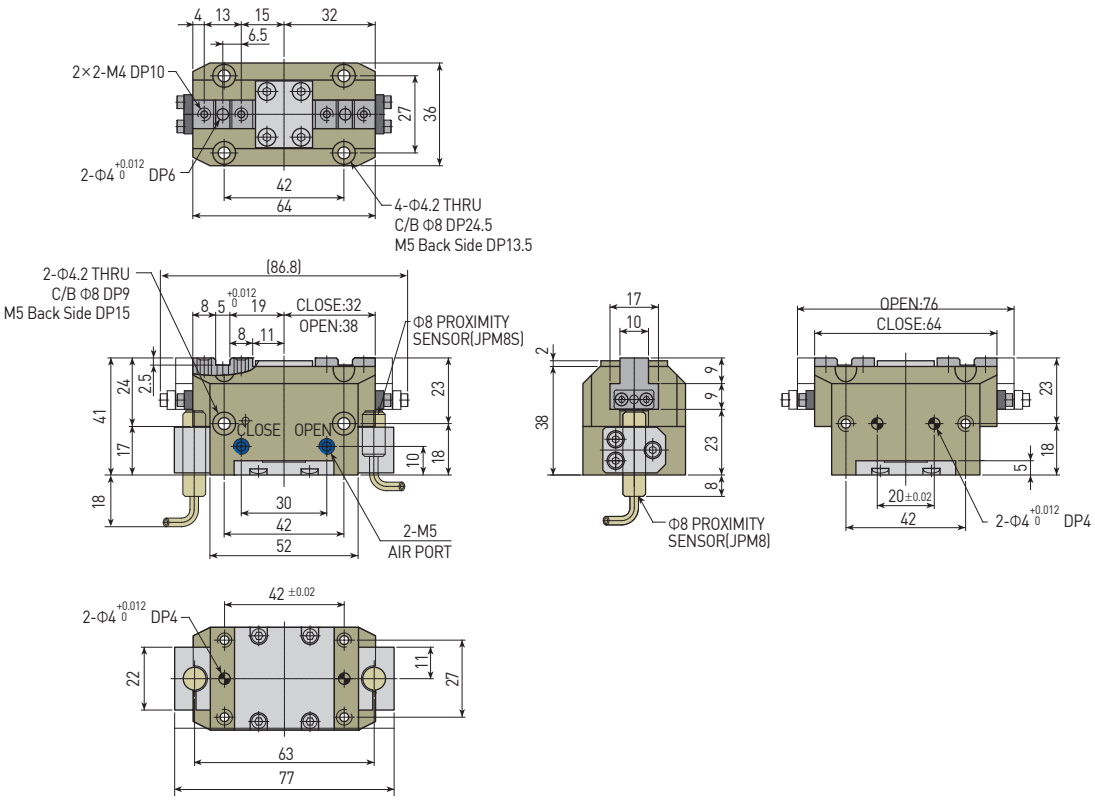


■ AF30SSA-20 (파지력 확대 제품)
AF30SSA-20 (Products with increased gripping force)

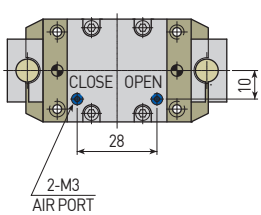


※센서 1개만 사용가능.
※Only one sensor can be used.

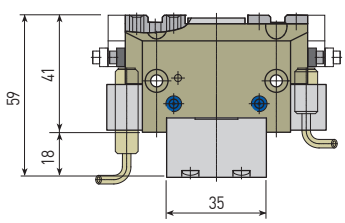
AF30A-25



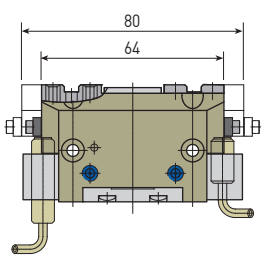
■ AF30A-25 BP (밑면 포트 옵션)
BP(Bottom Port) AF30A-25 BP



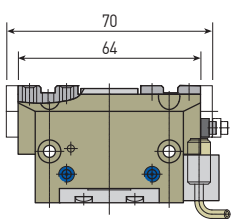
■ AF30A-25 NO / NC(상시 개.폐 옵션)
AF30A-25 NO / NC(NORMAL OPEN / NORMAL CLOSE)



■ AF30SNA-25 (행정확대제품)
AF30SNA-25 (Stroke extended product)

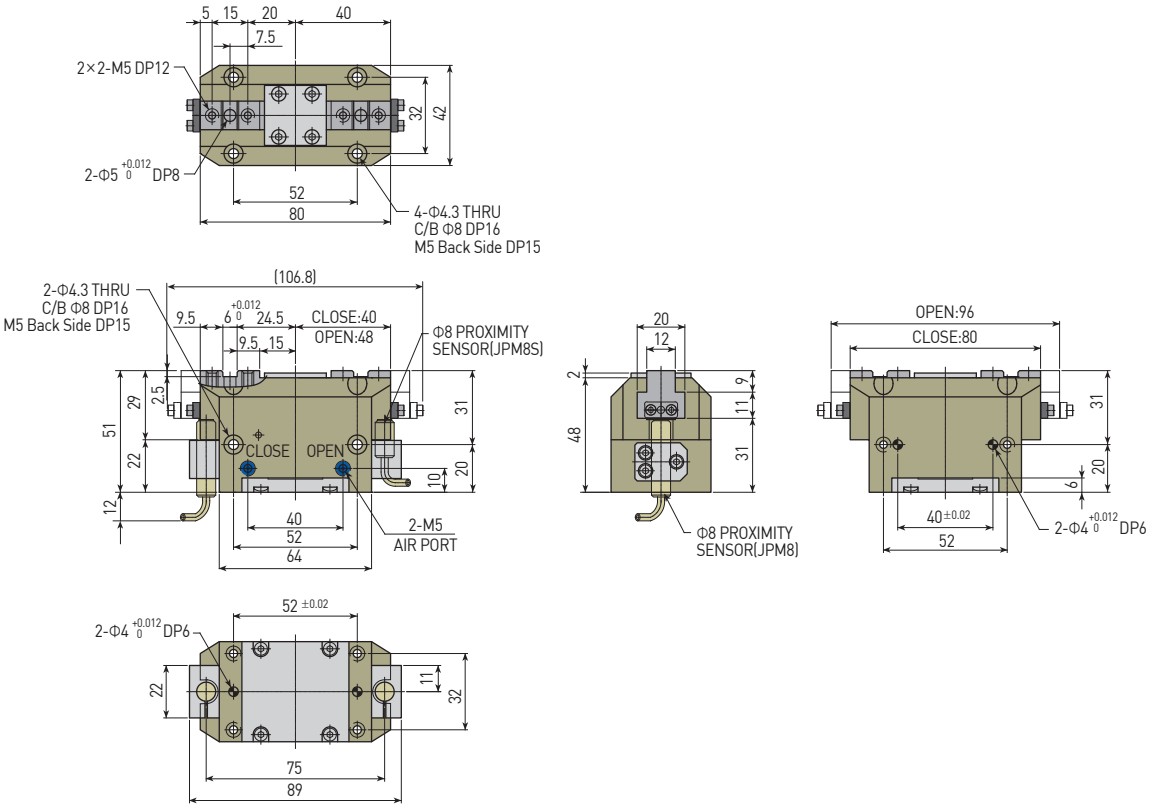


■ AF30SSA-25 (파지력 확대 제품)
AF30SSA-25 (Products with increased gripping force)

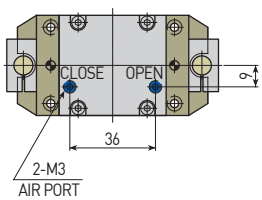


※센서 1개만 사용가능.
※Only one sensor can be used.

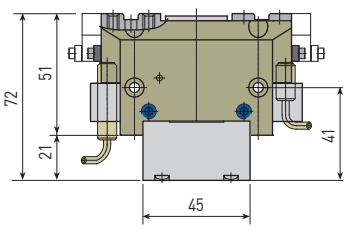
AF30A-30



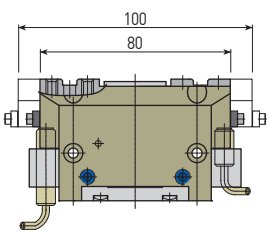
■ AF30A-30 BP (밑면 포트 옵션)
BP(Bottom Port) AF30A-30 BP



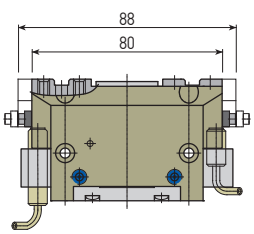
■ AF30A-30 NO / NC(상시 개.폐 옵션)
AF30A-30 NO / NC (NORMAL OPEN / NORMAL CLOSE)



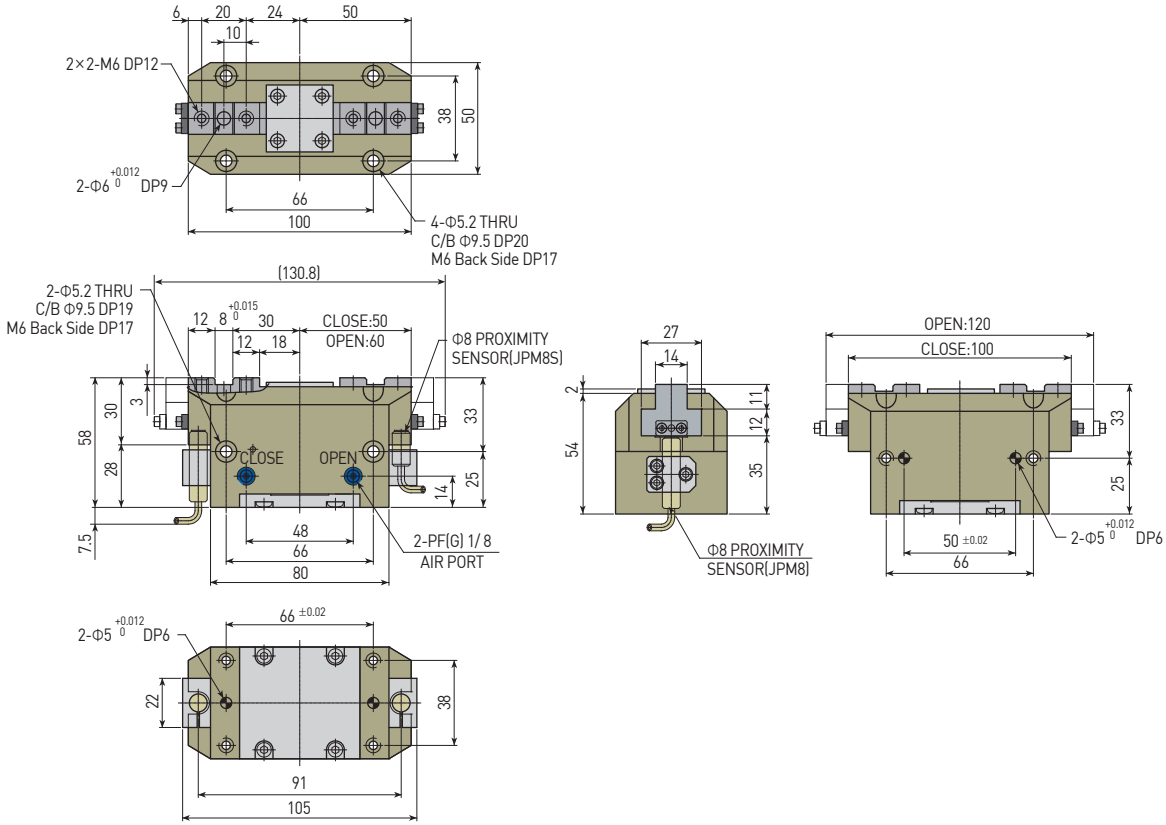
■ AF30SNA-30 (행정확대제품)
AF30SNA-30 (Stroke extended product)



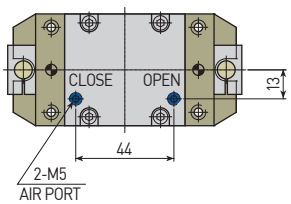
■ AF30SSA-30(파지력 확대 제품)
AF30SSA-30 (Products with increased gripping force)



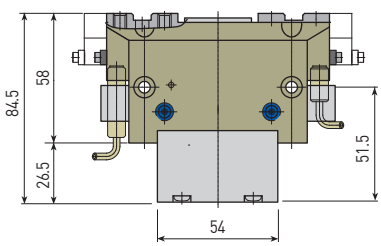
AF30A-40



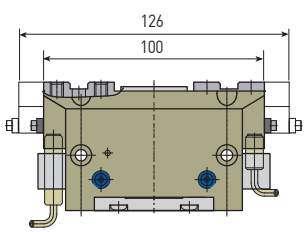
■ AF30A-40 BP(밑면 포트 옵션)
BP(Bottom Port) AF30A-40 BP



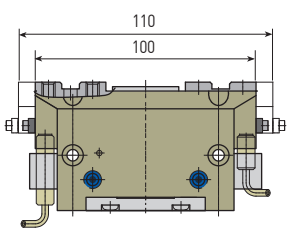
■ AF30A-40 NO / NC(상시 개.폐 옵션)
AF30A-40 NO / NC(NORMAL OPEN / NORMAL CLOSE)



■ AF30SNA-40 (행정 확대 제품)
AF30SNA-40 (Stroke extended product)

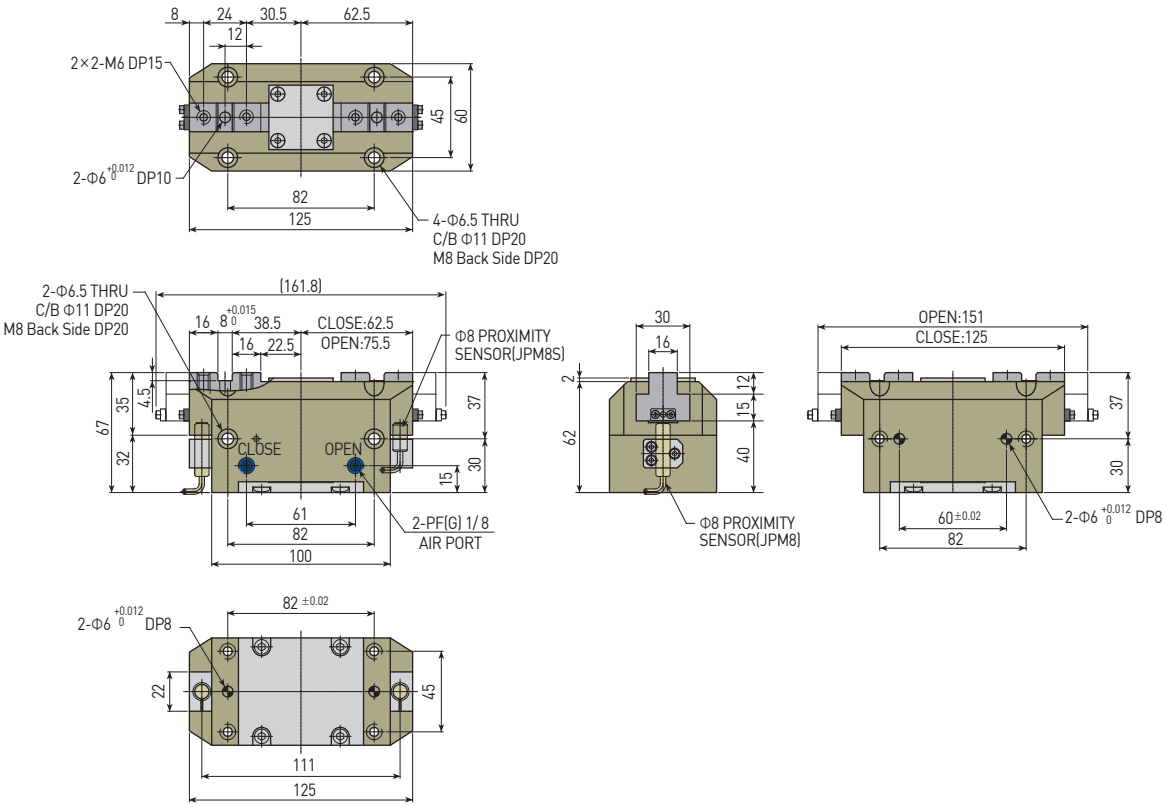


■ AF30SSA-40(파지력 확대 제품)
AF30SSA-40 (Products with increased gripping force)

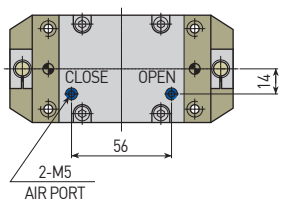


AF101
AF02
AF04P
AF105P
AF10
AF13
AF14
AF15
AF316
AF316L
AF416
AF17
AF117
AF24
AF26
AF28D
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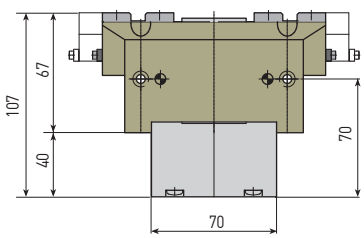
AF30A-50



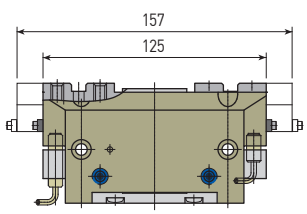
■ AF30A-50 BP (밑면 포트 옵션)
BP(Bottom Port) AF30A-50 BP



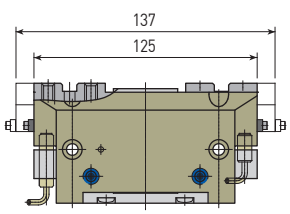
■ AF30A-50 NO / NC(상시 개.폐 옵션)
AF30A-50 NO / NC(NORMAL OPEN / NORMAL CLOSE)



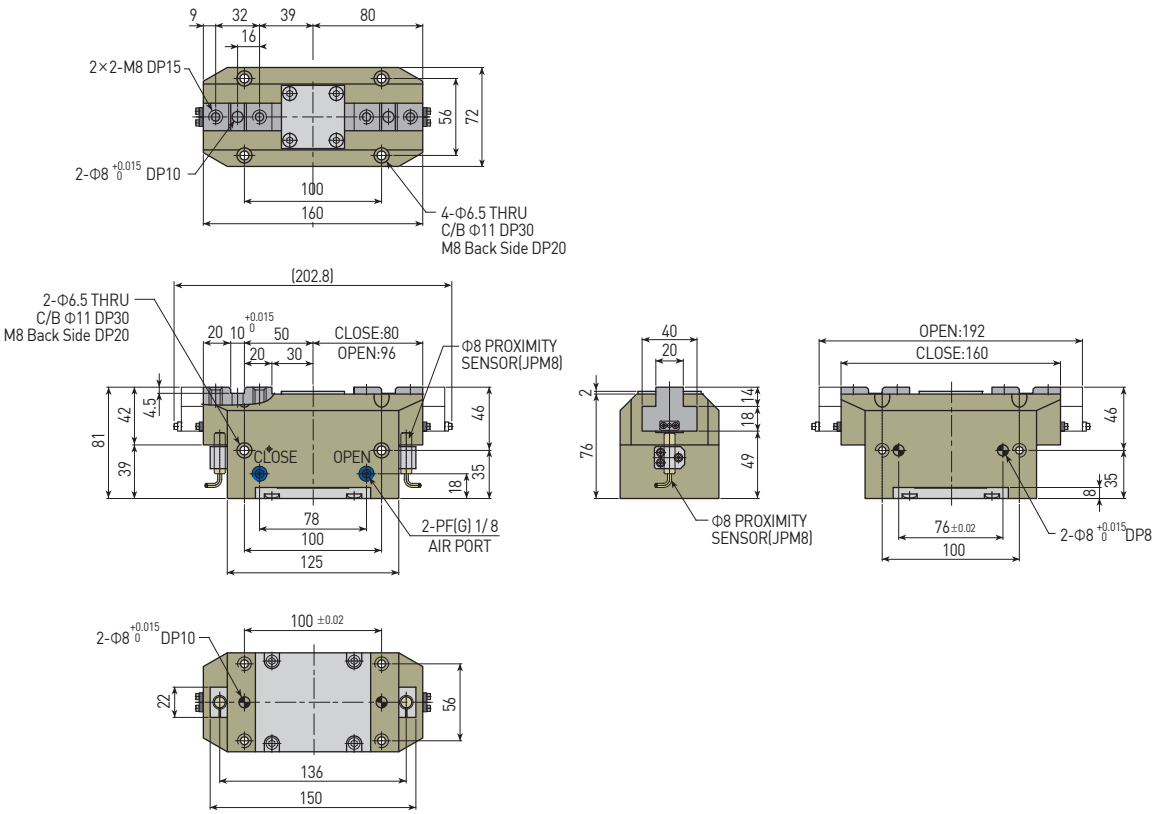
■ AF30SNA-50 (행정 확대 제품)
AF30SNA-50 (Stroke extended product)



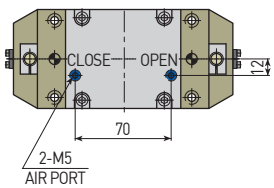
■ AF30SSA-50(파지력 확대 제품)
AF30SSA-50 (Products with increased gripping force)



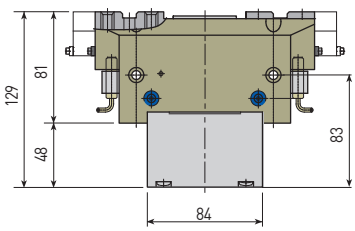
AF30A-63



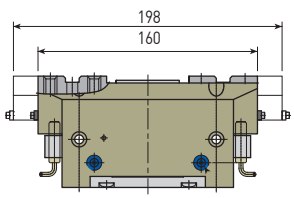
■ AF30A-63 BP(밑면 포트 옵션)
BP(Bottom Port) AF30A-63 BP



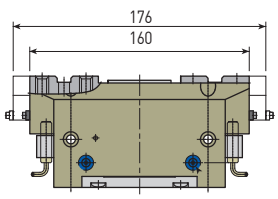
■ AF30A-63 NO / NC(상시 개.폐 제품)
AF30A-63 NO / NC(NORMAL OPEN / NORMAL CLOSE)



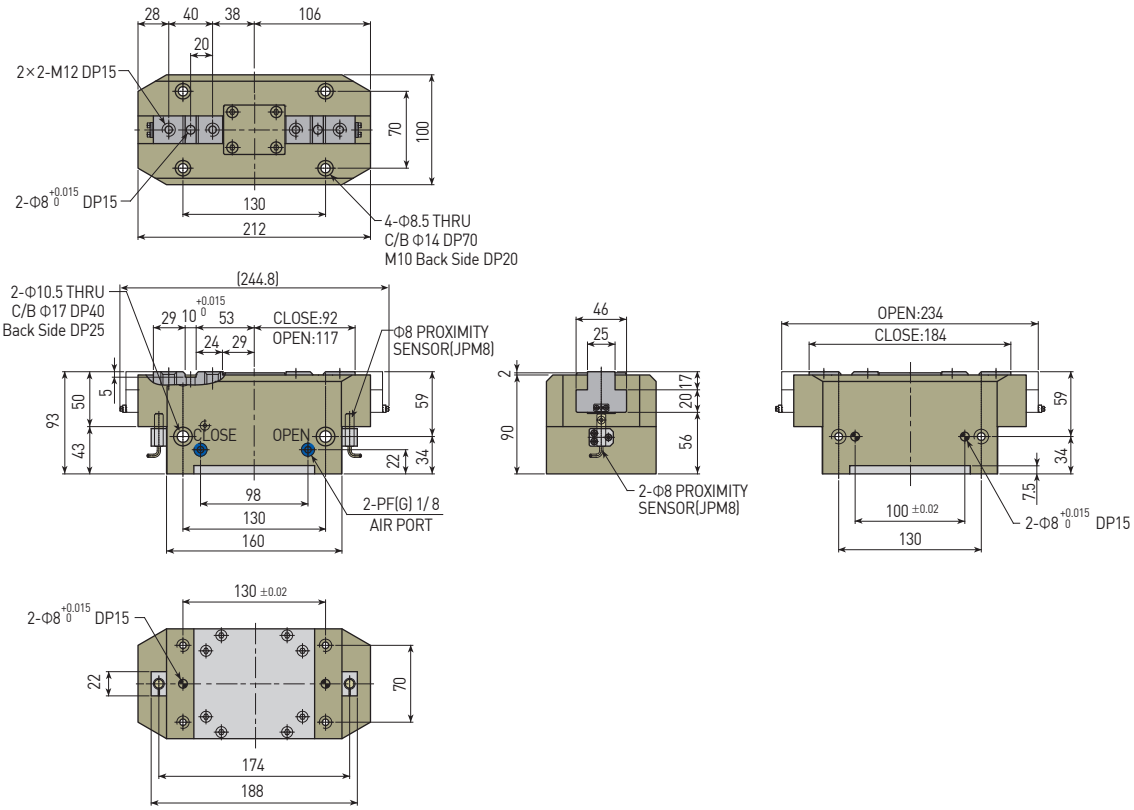
■ AF30SNA-63 (행정 확대 제품)
AF30SNA-63 (Stroke extended product)



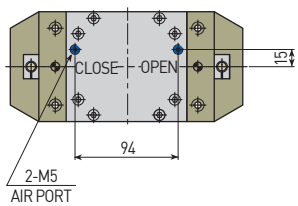
■ AF30SSA-63(파지력 확대 제품)
AF30SSA-63(Products with increased gripping force)



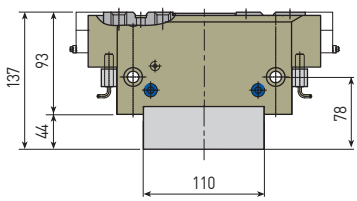
AF30A-90



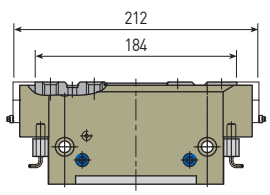
■ AF30A-90 BP(밑면 포트 옵션)
BP(Bottom Port) AF30A-90 BP



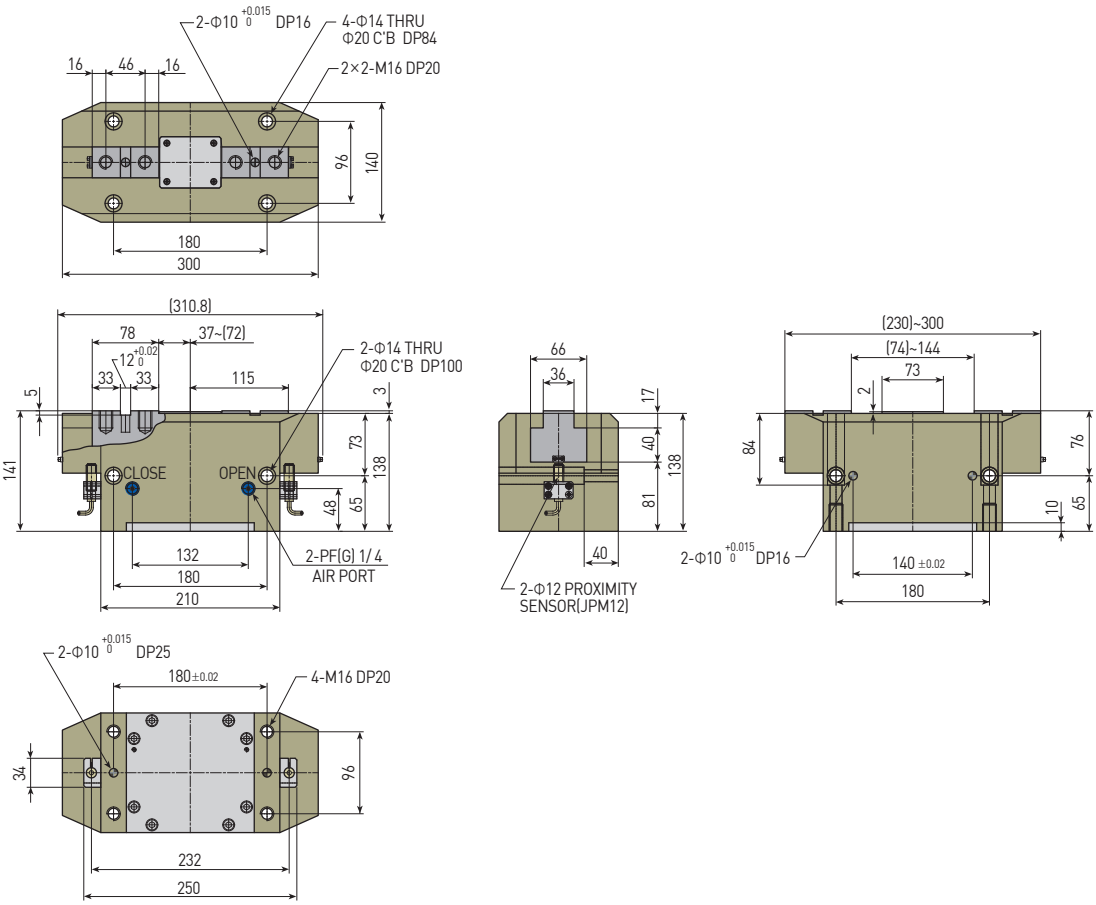
■ AF30A-90 NO / NC(상시 개.폐 제품)
AF30A-90 NO / NC(NORMAL OPEN / NORMAL CLOSE)



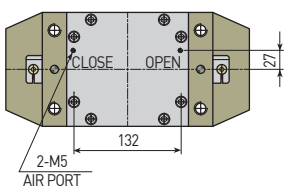
■ AF30SSA-90(파지력 확대 제품)
AF30SSA-90 (Products with increased gripping force)



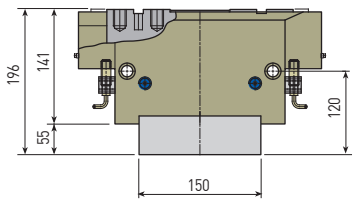
AF30-125



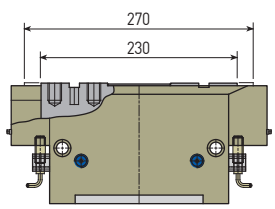
■ AF30-125 BP(밑면 포트 옵션)
BP(Bottom Port) AF30-125 BP



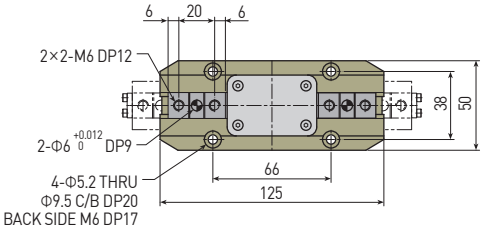
■ AF30-125 NO/NC(상시 개/폐 제품)
AF30-125 NO / NC(NORMAL OPEN / NORMAL CLOSE)

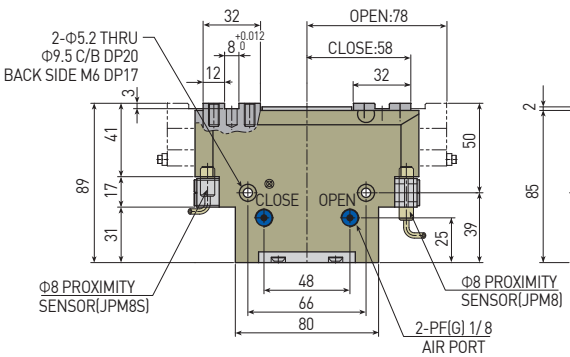


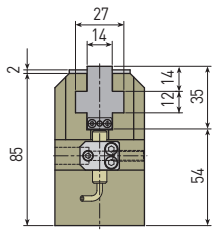
■ AF30SSA-125(파지력 확대 제품)
AF30SSA-125(Products with increased gripping force)

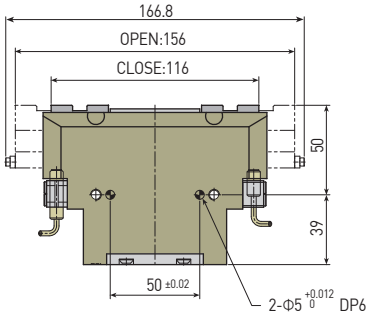


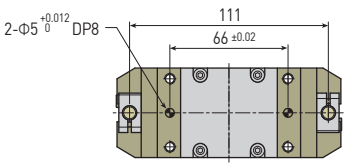
AF30LA-40

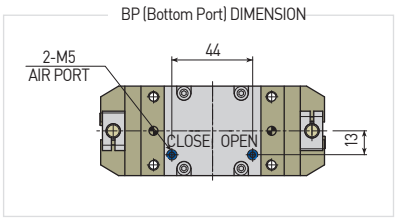




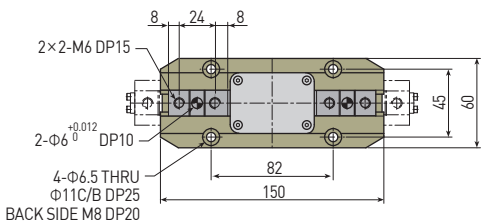


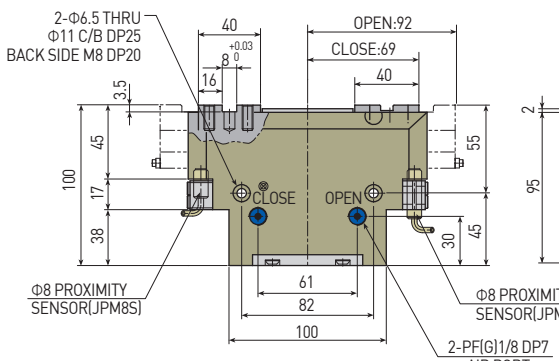


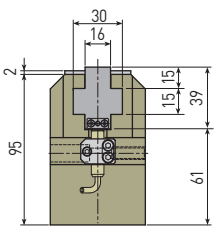


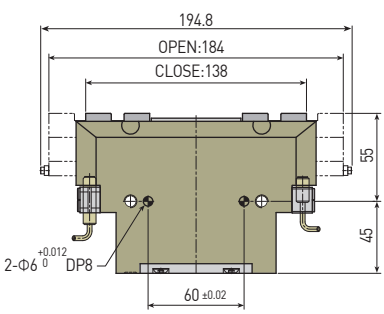


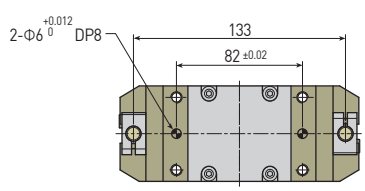
AF30LA-50

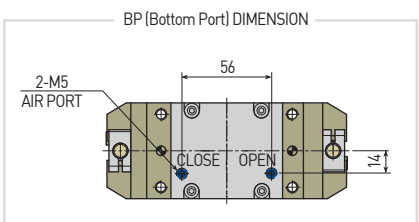




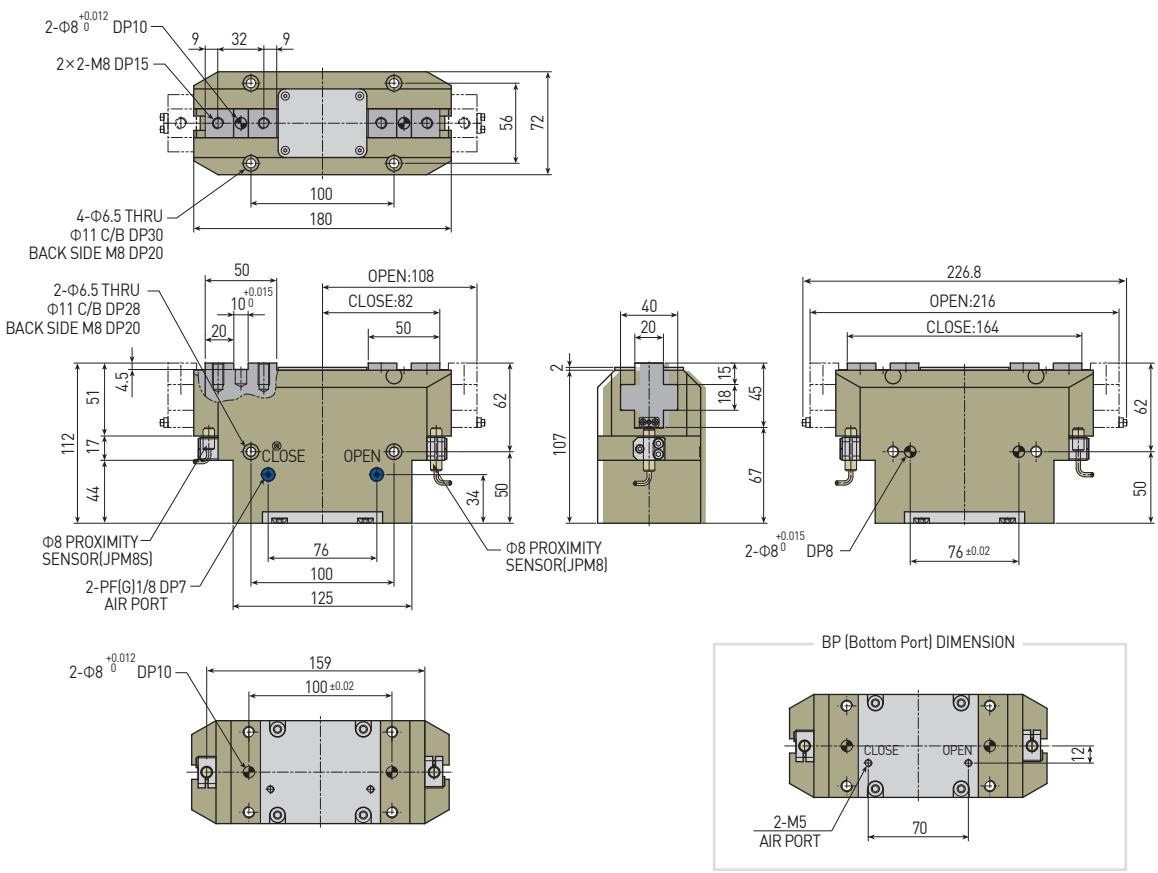








AF30LA-63


2-Φ8 +0.012 0 DP10
9
32
9
2×2-M8 DP15
56
72
100
180
4-Φ6.5 THRU
Φ11 C/B DP30
BACK SIDE M8 DP20
2-Φ6.5 THRU
Φ11 C/B DP28
BACK SIDE M8 DP20
50
10 +0.015 0
20
OPEN:108
CLOSE:82
50
4.5
51
112
17
44
62
CLOSE
OPEN
34
50
Φ8 PROXIMITY
SENSOR(JPM8S)
2-PF(G)1/8 DP7
AIR PORT
76
100
125
Φ8 PROXIMITY
SENSOR(JPM8)
40
20
2
107
18
15
45
67
226.8
OPEN:216
CLOSE:164
62
50
2-Φ8 +0.015 0 DP8
76 ±0.02
2-Φ8 +0.012 0 DP10
159
100 ±0.02
BP (Bottom Port) DIMENSION
CLOSE
OPEN
12
2-M5
AIR PORT
70