

Power clamp cylinder

JSK Series



Specification

Model	JSK50	JSK63
Output torque (0.5MPa)	160N.m	380N.m
Acting type	Double acting	
Fluid	Air(to be filtered by 40μm filter element)	
Operating pressure	0.3~0.8MPa(43~116psi)	
Proof pressure	1.2MPa(175psi)	
Temperature	-20~70 °C	
Opening angle	5°~135°	
Minimum opening and closure time	1 second clamping, 1 second opening	
Position sensing	Electrical Inductive approaching sensor	
Cushion type	Air buffer	
Weight [Note1]	3.7kg	5.0kg
Port size [Note2]	1/4"	

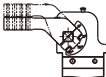
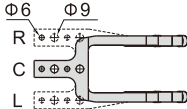
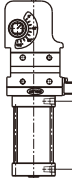
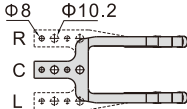
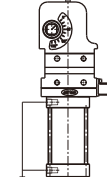
[Note1] This weight includes 15mm offset clamping arm;

[Note2] PT thread, G thread are available.

Ordering code

JSK ☐ 50 AM1R K ☐ ☐

① ② ③ ④ ⑤ ⑥ ⑦

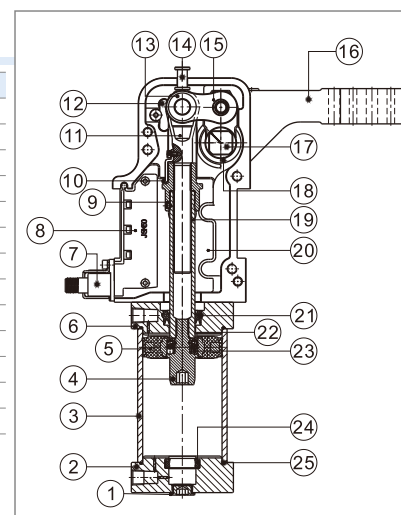
①Model	②Clamping arm position	③Bore size	④Clamping arm [Note1]			⑤Sensor switch[Note2]	⑥Thread type	⑦Port					
JSK: Power clamp cylinder	Blank: Horizontal	50(oval) 63(oval)	Blank: No clamping arm				Blank: No sensor switch K: With electrical sensor switch(PNP) KN: With electrical sensor switch(NPN)	Blank: PT G: G	Blank				
			AM1: Offset 15mm	R	C	L							
			AM3: Offset 45mm										
			AM2: Offset 15mm	R	C	L							Port
			AM4: Offset 45mm										
	V: Vertical												

[Note1] Please refer to the drawing for detailed dimensions of clamping arm. products come with opening angle of 90°.

[Note2] K/KN type sensor switch can be ordered separately and please refer to relative contents.

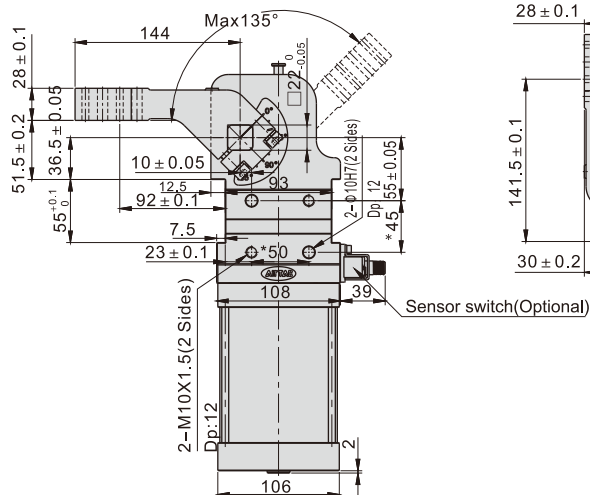
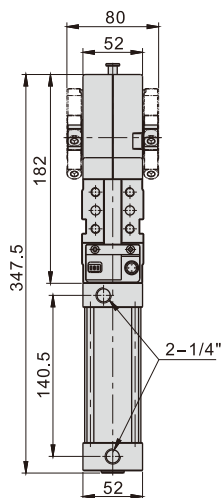
Inner structure and material of major parts

NO.	Item	Material	NO.	Item	Material
1	Plug	Carbon steel	14	Retaining pin	Carbon steel
2	Back cover	Aluminum alloy	15	Connecting rod	Alloy steel
3	Aluminum barrel	Aluminum alloy	16	Clamping arm	Carbon steel
4	Cushion body	Carbon steel	17	Pivot	Alloy steel
5	Piston	Aluminum alloy+NBR	18	Bushing	Alloy steel
6	Front cover	Aluminum alloy	19	Piston rod	Carbon steel
7	Sensor switch		20	End cap	Aluminum alloy
8	Sensor switch fix	Plastic	21	Spool O-ring	TPU
9	Joint	Alloy steel	22	Spring	Spring steel
10	Inductive block	Carbon steel	23	Steel ball	Stainless steel
11	I Knuckle	Alloy steel	24	Cushing O-ring	TPU
12	Strengthen steel plate	Alloy steel	25	O-ring	NBR
13	Bushing	Alloy steel			

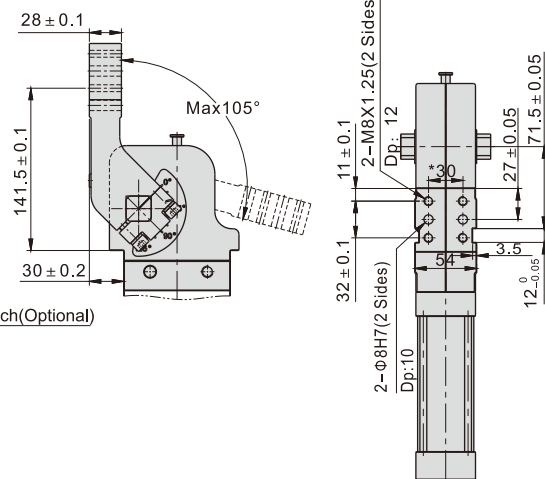


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Horizontal clamping position

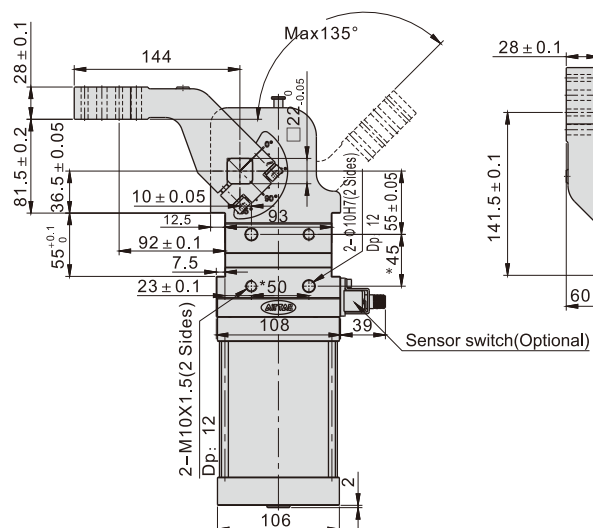
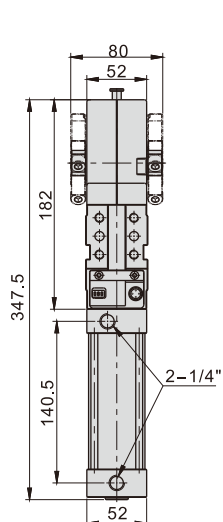


Vertical clamping position

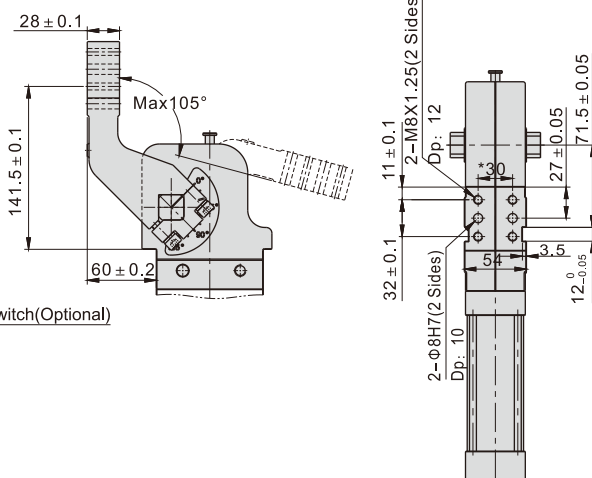


With * dimension: Pin hole position tolerance: ± 0.02 . Thread hole position tolerance: ± 0.1 .

Horizontal clamping position



Vertical clamping position



With * dimension: Pin hole position tolerance: ± 0.02 . Thread hole position tolerance: ± 0.1 .