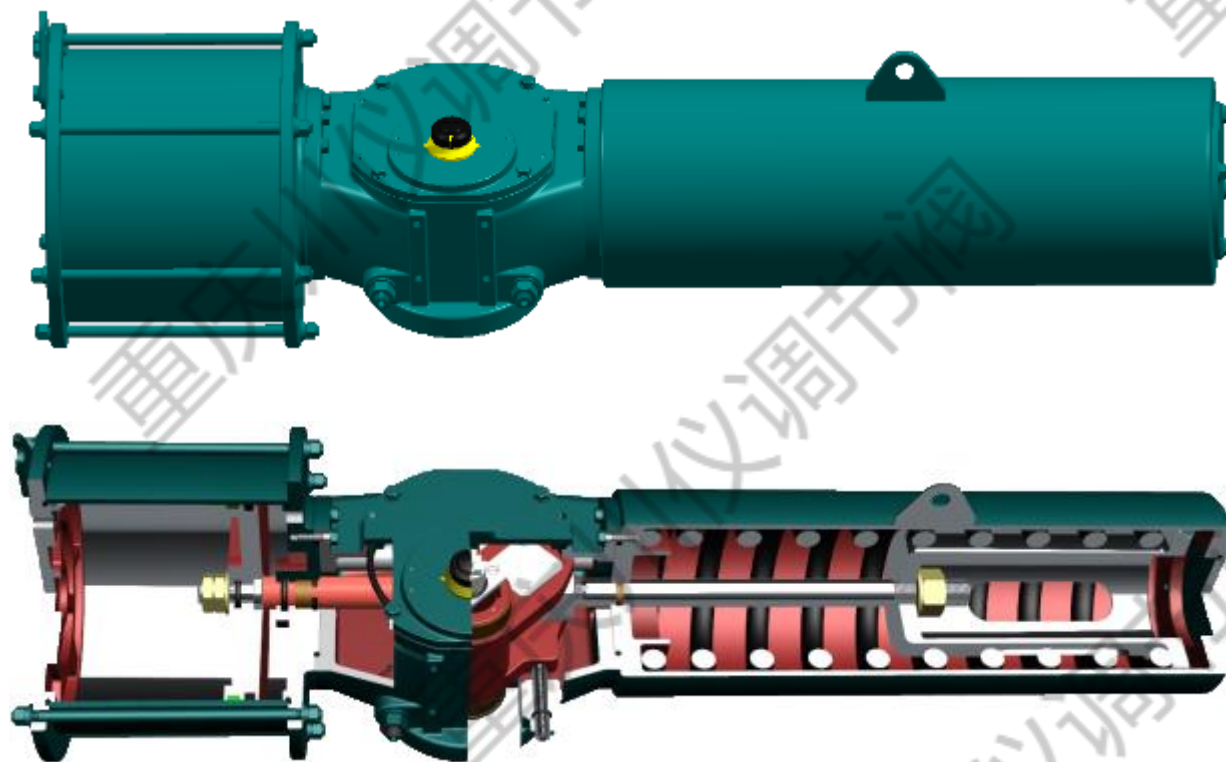


AW 气动拨叉式执行机构

AW fork type pneumatic actuator

AW^[1] 气动拨叉式执行机构是工业自动化系统中的驱动装置，它具有结构简单，工作平稳可靠，输出力大的特点。配上定位器后可提高调节精度。是蝶阀、球阀、旋塞阀和其他 90°旋转机械装置安全的驱动方法。

AW^[1] fork type pneumatic actuator is an actuating device in the industrial automation system that is characterized by simple structure, stable and reliable work and large output force. It can be equipped with a positioner to improve the regulation precision. It is a safe driving method for butterfly valves, ball valves, plug valves and other 90° rotating mechanical devices.



结构特点

Structural features

模块化设计

Modular design

AW 系列采用模块化设计，每种箱体模块均可选用不用气缸模块和弹簧模块的组合，使装配更加简便，利于现场维护更换。同时具有可替换性、可仓储性等特点，提高供货周期。

The AW series adopts the modular design, and each box module can be selected without a combination of cylinder module and spring module, which makes assembly easier and is conducive to on-site maintenance and replacement. Its characteristics of replaceability and storability can improve the supply cycle.

高强度、精小型设计

High-strength and miniaturized design

全气候防护性中心箱体模块采用碳钢或者球墨铸铁材质，确保足够的强度；并采用最优化的组合方式，提供最佳的力矩输出特性。

The all-weather protective center box module is made of carbon steel or nodular cast iron to ensure sufficient strength; the optimal combination method is adopted to provide the best torque output characteristics.

安全弹簧模块

Safety spring module

为保证在安装和维护弹簧模块时对操作者的安全，弹簧模块只能沿气缸模块轴线从驱动装置中移出，避免弹簧力对人和执行机构装置的损害。

To ensure the safety of the operator in installation and maintenance of the spring module, the spring module can only be removed from the drive along the axis of the cylinder module to avoid the damage of the spring force to the human and the actuator.

耐磨和防腐

Wear resistance and anticorrosion

气缸内表面采用镀铬或喷特氟龙处理，增加耐磨性和防腐性能；活塞杆及导向杆经过优良的表面处理，并与自润滑轴承组合，保证良好的耐磨性，增加使用寿命。

The inner surface of the cylinder is chrome-plated or Teflon-sprayed to increase wear resistance and anti-corrosion performance; the piston rod and guide rod are subject to excellent surface treatment and combined with the self-lubricating bearing to ensure high wear resistance and increase service life.

表面采用喷塑或者喷漆处理，标准防护等级达到 C3 以上，可以满足不同的石化、化工等要求。

The surface is sprayed with plastics or paint to standard protection grade above C3, which can meet different petrochemical and chemical requirements.

注[1]：此 AW 为全新结构，与旧型号 AW 没有对照关系

Note [1] : This AW has a new structure and no comparison with the old model AW

防水保护

Waterproof protection

箱体、箱盖等处都装由 O 型圈、阻止外界的水分进气内部，防护等级可达 IP67

The box and cover are installed with O rings to prevent the external water from entering inside, and the protection grade can reach IP67

手动功能

Manual function

独立的侧向手动装置是阀门或者执行器非常重要的一个部件；AW 执行机构根据输出力矩的不同，有丝杆、伞齿和液压手动等方案。

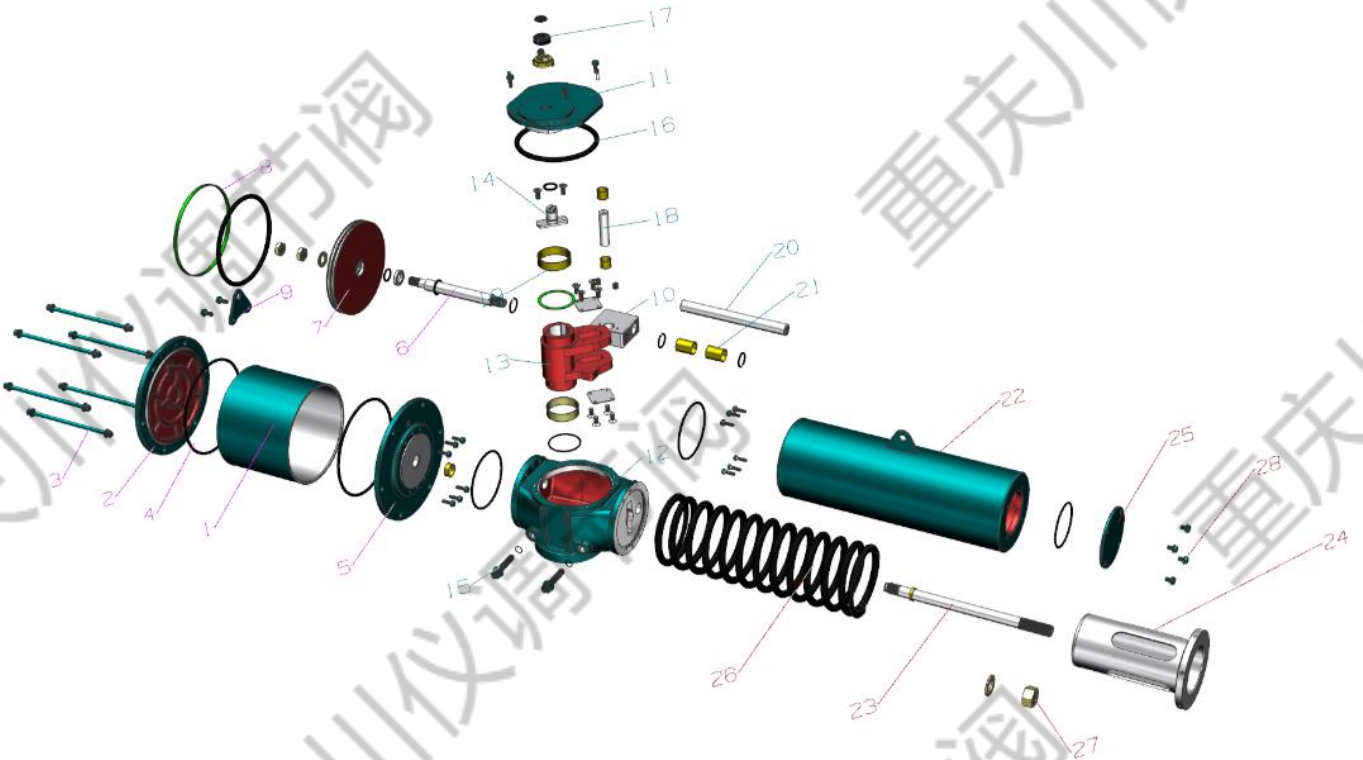
The independent side hand-operated device is a very important part of the valve or actuator; AW actuator is available in screw rod, bevel gear and hydraulic manual solutions according to the output torque.

免维护工作
Maintenance-free work

每台 AW 执行机构都可以在免维护的情况下提供长期高效的工作
Each AW actuator can work efficiently for long time without maintenance

零件与材料
Parts and materials

箱体模块			
Box module			
序号 No.	名称 Name	数量 Quantity	材质 Material
10	导向传动件 Guide drive	1	钢 Steel
11	箱盖 Case cover	1	球墨铸铁 Nodular cast iron
12	箱体 Box	1	球墨铸铁 Nodular cast iron
13	拨叉 Shift fork	1	钢/球墨铸铁 Steel/nodular cast iron
14	顶盖部件 Top cap components	1	钢 Steel
15	限位螺栓 Limit bolt	2	钢 Steel
16	O 型圈 O ring	1	耐油橡胶 Oil resistant rubber
17	指示器 Indicator	1	塑料 Plastic
18	滑块销 Slide block pin	1	钢 Steel
19	自润滑轴承 Self-lubricating bearing	1	铜基合金 Copper base alloy
20	导向杆 Guide rod	1	钢 Steel
21	自润滑轴承 Self-lubricating bearing	2	铜基合金 Copper base alloy



气缸模块 Cylinder module				弹簧缸模块 Spring cylinder module			
序号 No.	名称 Name	数量 Quantity	材质 Material	序号 No.	名称 Name	数量 Quantity	材质 Material
1	缸体 Cylinder block	1	20#	22	弹簧筒 Spring sleeve	1	钢 Steel
2	缸盖 Cylinder head	1	球墨铸铁 Nodular cast iron	23	弹簧拉杆 Spring pull rod	1	45#
3	拉杆 Pull rod	n	钢 Steel	24	弹簧座 Spring seat	1	钢 Steel
4	O 型圈 O ring	1	耐油橡胶 Oil resistant rubber	25	法兰盖 Blind flange	1	钢 Steel
5	气缸底座 Cylinder base	1	球墨铸铁 Nodular cast iron	26	弹簧 Spring	1	弹簧钢 Spring steel
6	活塞杆 Piston rod	1	45+HCr	27	螺母 Nut	1	钢 Steel
7	活塞 Piston	1	Q235B	28	螺钉 Screw	n	钢 Steel
8	导向环 Guide ring	1	塑料 Plastic				
9	吊环 Ring	1	Q235B				

规格参数

Specification parameters

系 列 Series	AW
型 式 Type	角行程气动拨叉式执行机构 Angular travel fork type pneumatic actuator
型 号 Model	双作用型: AW06/08/10/12/16/18/22/24/27/30/32/35/40/45/50/55/60/65/70/75/80/85/90/100D Double-acting: AW06/08/10/12/16/18/22/24/27/30/32/35/40/45/50/55/60/65/70/75/80/85/90/100D 单作用: AW06/08/1012/16/18/22/24/27/30/32/35/40/45/50/55/60/65/70/75/80/85/90/100/110S/120S/130S/140S/150S Single-acting: AW06/08/1012/16/18/22/24/27/30/32/35/40/45/50/55/60/65/70/75/80/85/90/100/110S/120S/130S/140S/150S
尺 寸 Size	请参见表 4 及图 1 See Table 4 and Figure 1
气 缸 容 积 Cylinder volume	请参见表 1 See Table 1
输 出 力 矩 Output torque	请参见表 2 See Table 2
行 程 Stroke	0~90°
气源压力 Air supply pressure	双作用: 300~700kPa; 单作用: 400~500 kPa Double-acting: 300~700kPa; single-acting: 400~500 kPa
气源接口 Air source interface	见下表 See the table below
性 能 Performance	回 差 带定位器: 小于全行程的 1% Return difference with positioner: less than 1% of total travel 基本误差 带定位器: 小于全行程的±1% Basic error with positioner: less than ± 1% of total travel
环境温度 Ambient temperature	标准型-20~+80℃ Standard type -20~+80℃ 高温型-15~+120℃ High-temperature type -15~+120℃ 低温型-40~+80℃ Low-temperature type -40~+80℃ 超低温-52~+70℃ Ultra-low temperature -52~+70℃

材 质 Material	气缸.....	20#热轧无缝钢管， 铝合金
	Cylinder	20# hot rolled seamless steel pipe, aluminum alloy
	活塞.....	球墨铸铁， Q235B， 铝合金
	Piston.....	nodular cast iron, Q235B, aluminum alloy
	拨叉.....	球墨铸铁， WCB
	Shift fork.....	nodular cast iron, WCB
	箱体	球墨铸铁， WCB
	Box	nodular cast iron, WCB
	密封圈.....	丁晴橡胶 NBR、氟橡胶 FKM、硅橡胶
	Seal ring.....	NBR, FKM, silicone rubber
表面涂层 Surface coating	喷漆或喷塑， 浅灰色， 色标RAL7035 Spray paint or plastics, light gray, color code RAL7035	
附 件 Accessories	定位器、空气过滤减压阀、行程开关等 Positioner, air filter relief valve, travel switch, etc.	

技术参数

Technical parameters

空气消耗量

Air consumption

空气消耗量取决于供气压力、开关行程、气缸容积和动作次数， 公式如下：

The air consumption depends on the supply pressure, switch stroke, cylinder volume and action times. The formula is as follows:

升/分=气缸体积（开向体积 A+关向体积 B）×

Liter/min = cylinder volume (open volume A+ closed volume B) ×

供气压力(KPa)+101.3

Supply pressure (KPa)+101.3

101.3

×次数/分钟

× times per minute

表 1 气缸容积

Table 1 Cylinder volume

执行机构型号（双作用） Actuator model (double-acting)	容积（L） Volume (L)	执行机构型号（气开） Actuator model (air-to-open)	执行机构型号（气闭） Actuator model (air-to-close)	容积（L） Volume (L)
AW06D00F07	1.1	AW06SR4/5F07	AW06SD4/5F07	0.6
AW08D00F10	2.6	AW08SR4/5F10	AW08SD4/5F10	1.5
AW10D00F12	5	AW10SR4/5F12	AW10SD4/5F12	2.8
AW12D00F10	7	AW12SR4/5F10	AW12SD4/5F10	4.8
AW16D00F12	12.5	AW16SR4/5F12	AW16SD4/5F12	8.5
AW18D001	14	AW18SR4/51	AW18SD4/51	7
AW22D001	16	AW22SR4/51	AW22SD4/51	8
AW22D002	21	AW24SR4/51	AW24SD4/51	10.5

AW24D002	24	AW24SR4/52	AW24SD4/52	13.5
AW27D002	27	AW27SR4/52	AW27SD4/52	15
AW27D003	48	AW30SR4/52	AW30SD4/52	20
AW30D003	52	AW32SR4/52	AW32SD4/52	26
AW32D003	56	AW32SR4/53	AW32SD4/53	31
AW35D003	62	AW35SR4/53	AW35SD4/53	40
AW35D004	94	AW40SR4/53	AW40SD4/53	43
AW40D004	115	AW45SR4/53	AW45SD4/53	47
AW45D004	125	AW45SR4/54	AW45SD4/54	60
AW50D004	170	AW50SR4/54	AW50SD4/54	70
AW50D005	180	AW55SR4/54	AW55SD4/54	86
AW55D005	210	AW55SR4/55	AW55SD4/55	90
AW60D005	220	AW60SR4/55	AW60SD4/55	108
AW65D005	220	AW65SR4/55	AW65SD4/55	137
AW65D006	300	AW70SR4/55	AW70SD4/55	150
AW70D006	320	AW70SR4/56	AW70SD4/56	160
AW75D006	400	AW75SR4/56	AW75SD4/56	200
AW75D007	530	AW80SR4/56	AW80SD4/56	260
AW80D007	600	AW85SR4/56	AW85SD4/56	320
AW85D007	680	—	—	—
AW90D007	760	—	—	—

注：单作用为开或关动作一次的容积，双作用为开和关往复动作一次的容积
Note: The single-acting volume is the volume of opening or closing action once, and the double-acting volume is the volume of opening and closing reciprocating action once

表 2 手动驱动装置配置表

Table2 Manual drive configuration table

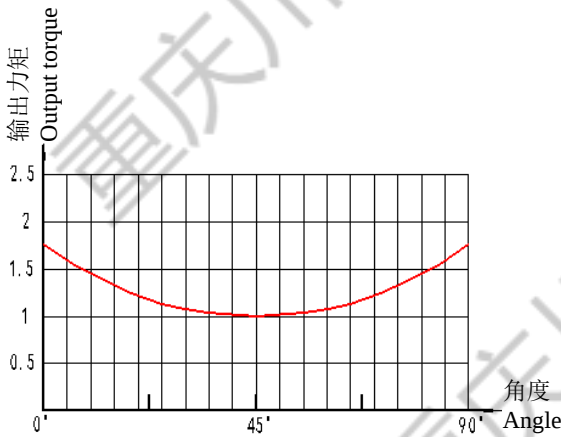
执行机构型号 Actuator model (双作用) (Double-acting)	手轮结构类型 Handwheel structure type	手轮型号（虚拟） Handwheel model (virtual)	执行机构型号（气开） Actuator model (air-to-open)	执行机构型号（气闭） Actuator model (air-to-close)	手轮结构类型 Handwheel structure type	手轮型号（虚拟） Handwheel model (virtual)
AW06D00F07	离合式 Clutch type C	SD-2	AW06SR4F07	AW06SD4F07	离合式 Clutch type C	SD-2
AW08D00F10	离合式 Clutch type C	SD-3	AW06SR5F07	AW06SD5F07	离合式 Clutch type C	SD-2
AW10D00F12	离合式 Clutch type C	SD-4	AW08SR4F10	AW08SD4F10	离合式 Clutch type C	SD-3
AW12D00F10	丝杆 Screw rod	HG12DF10	AW08SR5F10	AW08SD5F10	离合式 Clutch type C	SD-3
AW16D00F12	丝杆 Screw rod	HG16DF12	AW10SR4F12	AW10SD4F12	离合式 Clutch type C	SD-4
AW18D001	丝杆 Screw rod	HG18D1	AW10SR5F12	AW10SD5F12	离合式 Clutch type C	SD-4
AW22D001	丝杆 Screw rod	HG22D1	AW12SR4F10	AW12SD4F10	丝杆 Screw rod	HG12S4F10
AW22D002	丝杆 Screw rod	HG22D2	AW12SR5F10	AW12SD5F10	丝杆 Screw rod	HG12S5F10
AW24D002	丝杆 Screw rod	HG24D2	AW16SR4F12	AW16SD4F12	丝杆 Screw rod	HG16S4F12
AW27D002	丝杆 Screw rod	HG27D2	AW16SR5F12	AW16SD5F12	丝杆 Screw rod	HG16S5F12
AW27D003	伞齿 Bevel gear	HG27D3	AW18SR41	AW18SD41	丝杆 Screw rod	HG18S41
AW30D003	伞齿 Bevel gear	HG30D3	AW18SR51	AW18SD51	丝杆 Screw rod	HG18S51
AW32D003	伞齿 Bevel gear	HG32D3	AW22SR41	AW22SD41	丝杆 Screw rod	HG22S41
AW35D003	伞齿 Bevel gear	HG35D3	AW22SR51	AW22SD51	丝杆 Screw rod	HG22S51
AW35D004	伞齿 Bevel gear	HG35D4	AW24SR41	AW24SD41	丝杆 Screw rod	HG24S41
AW40D004	液压 Hydraulic	HG40D4	AW24SR51	AW24SD51	丝杆 Screw rod	HG24S51
AW45D004	液压 Hydraulic	HG45D4	AW24SR42	AW24SD42	丝杆 Screw rod	HG24S42

AW50D004	液压 Hydraulic	HG50D4	AW24SR52	AW24SD52	丝杆 Screw rod	HG24S52
AW50D005	液压 Hydraulic	HG50D5	AW27SR42	AW27SD42	丝杆 Screw rod	HG27S42
AW55D005	液压 Hydraulic	HG55D5	AW27SR52	AW27SD52	丝杆 Screw rod	HG27S52
AW60D005	液压 Hydraulic	HG60D5	AW30SR42	AW30SD42	伞齿 Bevel gear	HG30S42
AW65D005	液压 Hydraulic	HG65D5	AW30SR52	AW30SD52	伞齿 Bevel gear	HG30S52
AW65D006	液压 Hydraulic	HG65D6	AW32SR42	AW32SD42	伞齿 Bevel gear	HG32S42
AW70D006	液压 Hydraulic	HG70D6	AW32SR52	AW32SD52	伞齿 Bevel gear	HG32S52
AW75D006	液压 Hydraulic	HG75D6	AW32SR43	AW32SD43	伞齿 Bevel gear	HG32S43
AW75D007	液压 Hydraulic	HG75D7	AW32SR53	AW32SD53	伞齿 Bevel gear	HG32S53
AW80D007	液压 Hydraulic	HG80D7	AW35SR43	AW35SD43	伞齿 Bevel gear	HG35S43
AW85D007	液压 Hydraulic	HG85D7	AW35SR53	AW35SD53	伞齿 Bevel gear	HG35S53
AW90D007	液压 Hydraulic	HG90D7	AW40SR43	AW40SD43	伞齿 Bevel gear	HG40S43
AW90D008	液压 Hydraulic	HG90D8	AW40SR53	AW40SD53	伞齿 Bevel gear	HG40S53
AW100D008	液压 Hydraulic	HG100D8	AW45SR43	AW45SD43	液压 Hydraulic	HG45S43
—	—	—	AW45SR53	AW45SD53	液压 Hydraulic	HG45S53
—	—	—	AW45SR44	AW45SD44	液压 Hydraulic	HG45S44
—	—	—	AW45SR54	AW45SD54	液压 Hydraulic	HG45S54
—	—	—	AW50SR44	AW50SD44	液压 Hydraulic	HG50S44
—	—	—	AW50SR54	AW50SD54	液压 Hydraulic	HG50S54
—	—	—	AW55SR44	AW55SD44	液压 Hydraulic	HG55S44
—	—	—	AW55SR54	AW55SD54	液压 Hydraulic	HG55S54
—	—	—	AW55SR45	AW55SD45	液压 Hydraulic	HG55S45
—	—	—	AW55SR55	AW55SD55	液压 Hydraulic	HG55S55

—	—	—	AW60SR45	AW60SD45	液压 Hydraulic	HG60S45
—	—	—	AW60SR55	AW60SD55	液压 Hydraulic	HG60S55
—	—	—	AW65SR45	AW65SD45	液压 Hydraulic	HG65S45
—	—	—	AW65SR55	AW65SD55	液压 Hydraulic	HG65S55
—	—	—	AW70SR45	AW70SD45	液压 Hydraulic	HG70S45
—	—	—	AW70SR55	AW70SD55	液压 Hydraulic	HG70S55
—	—	—	AW70SR46	AW70SD46	液压 Hydraulic	HG70S46
—	—	—	AW70SR56	AW70SD56	液压 Hydraulic	HG70S56
—	—	—	AW75SR46	AW75SD46	液压 Hydraulic	HG75S46
—	—	—	AW75SR56	AW75SD56	液压 Hydraulic	HG75S56
—	—	—	AW80SR46	AW80SD46	液压 Hydraulic	HG80S46
—	—	—	AW80SR56	AW80SD56	液压 Hydraulic	HG80S56
—	—	—	AW85SR46	AW85SD46	液压 Hydraulic	HG85S46
—	—	—	AW85SR56	AW85SD56	液压 Hydraulic	HG85S56
—	—	—	AW90SR47	AW90SD47	液压 Hydraulic	HG90S47
—	—	—	AW90SR57	AW90SD57	液压 Hydraulic	HG90S57
—	—	—	AW100SR47	AW100SD47	液压 Hydraulic	HG100S47
—	—	—	AW100SR57	AW100SD57	液压 Hydraulic	HG100S57
—	—	—	AW90SR48	AW90SD48	液压 Hydraulic	HG90S48
—	—	—	AW90SR58	AW90SD58	液压 Hydraulic	HG90S58
—	—	—	AW100SR48	AW100SD48	液压 Hydraulic	HG100S48
—	—	—	AW100SR58	AW100SD58	液压 Hydraulic	HG100S58
—	—	—	AW110SR48	AW110SD48	液压 Hydraulic	HG110S48

—	—	—	AW110SR58	AW110SD58	液压 Hydraulic	HG110S58
—	—	—	AW120SR48	AW120SD48	液压 Hydraulic	HG120S48
—	—	—	AW120SR58	AW120SD58	液压 Hydraulic	HG120S58
—	—	—	AW130SR48	AW130SD48	液压 Hydraulic	HG130S48
—	—	—	AW130SR58	AW130SD58	液压 Hydraulic	HG130S58
—	—	—	AW140SR48	AW140SD48	液压 Hydraulic	HG140S48
—	—	—	AW140SR58	AW140SD58	液压 Hydraulic	HG140S58
—	—	—	AW150SR48	AW150SD48	液压 Hydraulic	HG150S48
—	—	—	AW150SR58	AW150SD58	液压 Hydraulic	HG150S58
注： 1.此手轮型号为虚拟型号，非独立部件，不可单独采购虚拟手轮部件； Note: 1. This handwheel model is of a virtual model without independent parts. The virtual handwheel parts cannot be purchased separately;						

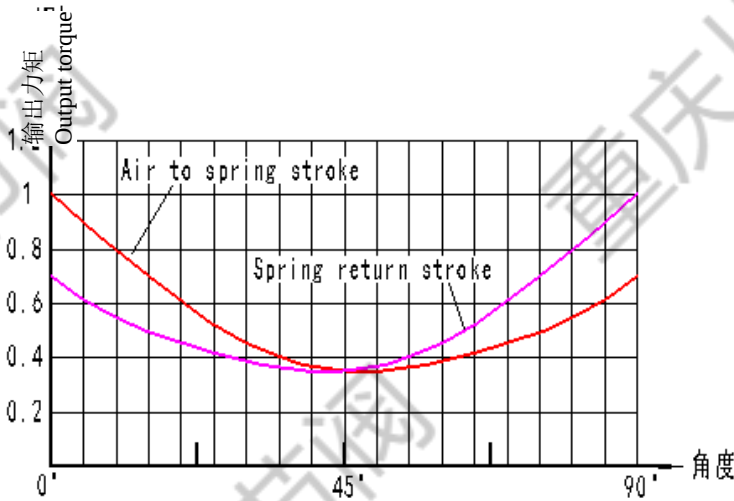
表 3 双作用输出力矩表
Table 3 Double-acting output torque table



型号 Model	气源输出 N*m （气源压力 100kpa） Air source output N*m (air source pressure 100kpa)					
	4			5		
	0°	45°	90°	0°	45°	90°
AW06D00F07	71	40	71	89	50	89
AW08D00F10	167	97	167	210	122	210
AW10D00F12	327	192	327	410	238	410
AW12D00F10	432	247	432	540	309	540

AW16D00F12	820	467	820	1025	585	1025
AW18D001	1000	520	1000	1250	650	1250
AW22D001	1400	730	1400	1750	920	1750
AW22D002	2000	1050	2000	2500	1310	2500
AW24D002	2560	1340	2560	3200	1680	3200
AW27D002	2800	1470	2800	3500	1840	3500
AW27D003	4000	2100	4000	5000	2630	5000
AW30D003	4800	2520	4800	6000	3150	6000
AW32D003	5500	2890	5500	6875	3610	6875
AW35D003	6400	3360	6400	8000	4210	8000
AW35D004	7300	3840	7300	9125	4800	9125
AW40D004	9500	5000	9500	11875	6250	11875
AW45D004	11600	6100	11600	14500	7630	14500
AW50D004	13000	6840	13000	16250	8550	16250
AW50D005	14400	7570	14400	18000	9470	18000
AW55D005	17600	9260	17600	22000	11570	22000
AW60D005	22000	11570	22000	27500	14470	27500
AW65D005	26000	13680	26000	32500	17100	32500
AW65D006	34600	18210	34600	43250	22760	43250
AW70D006	42600	22420	42600	53250	28000	53250
AW75D006	50000	26300	50000	62500	32900	62500
AW75D007	60000	31600	60000	75000	39500	75000
AW80D007	66800	35200	66800	90000	44000	90000
AW85D007	80000	42100	80000	100000	52600	100000
AW90D007	91000	47900	91000	112500	59900	112500
AW90D008	122000	64100	122000	152500	80000	152500
AW100D008	150000	78900	150000	187500	98600	187500

表 4 单作用输出力矩表
Table 4 Single-acting output torque table

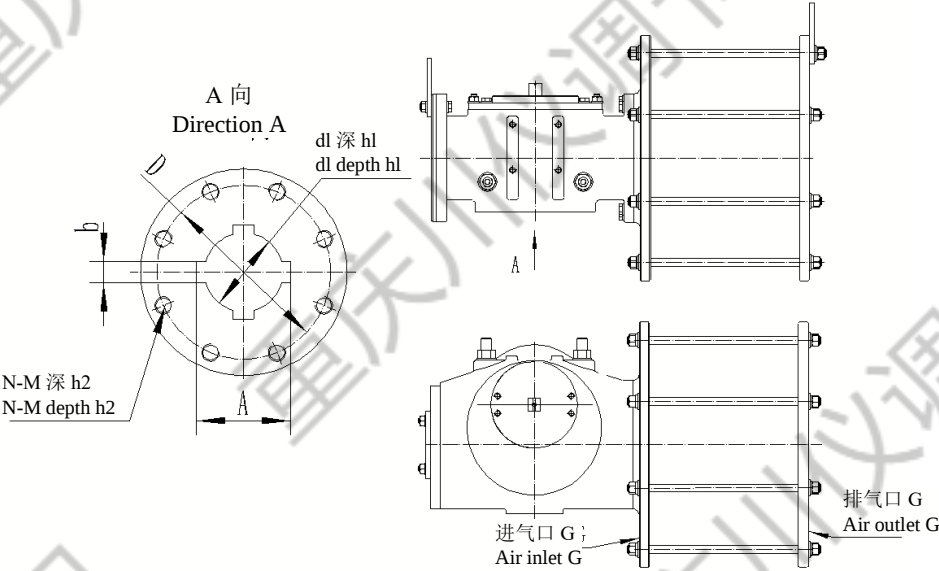


型号 Model		气源输出力矩 N*m (气源压力 100kpa) Air source output torque N*m (Air source pressure 100kpa)						弹簧复位力矩 N*m Spring return torque N*m		
气开 FC Air-to-open FC	气闭 FO Air-to-close FO	4			5			90° 45° 0°		
		0°	45°	90°	0°	45°	90°			
AW06SR4F07	AW06SD4F07	43	18	23	61	28	39	48	22	28
AW06SR5F07	AW06SD5F07	-	-	-	54	24	32	57	26	35
AW08SR4F10	AW08SD4F10	99	47	59	142	72	108	108	50	68
AW08SR5F10	AW08SD5F10	-	-	-	125	60	75	135	62	85
AW10SR4F12	AW10SD4F12	192	92	122	275	138	205	205	100	135
AW10SR5F12	AW10SD5F12	-	-	-	251	118	151	260	120	160
AW12SR4F10	AW12SD4F10	262	97	125	367	150	230	282	107	145
AW12SR5F10	AW12SD5F10	-	-	-	330	118	159	353	134	182
AW16SR4F12	AW16SD4F12	501	185	240	705	286	440	530	204	269
AW16SR5F12	AW16SD5F12	-	-	-	627	232	300	663	255	336
AW18SR41	AW18SD41	560	240	400	920	385	640	600	240	400
AW18SR51	AW18SD51	-	-	-	700	290	500	700	290	500
AW22SR41	AW22SD41	700	290	500	1100	510	850	700	290	500
AW22SR51	AW22SD51	-	-	-	950	410	700	950	410	700
AW24SR41	AW24SD41	950	410	700	1610	710	1190	950	410	700
AW24SR51	AW24SD51	-	-	-	1400	580	1000	1400	580	1000
AW24SR42	AW24SD42	1400	580	1000	2200	1020	1700	1400	580	1000
AW24SR52	AW24SD52	-	-	-	1752	750	1280	1750	750	1280
AW27SR42	AW27SD42	1752	750	1280	2880	1300	2170	1750	750	1280
AW27SR52	AW27SD52	-	-	-	1960	820	1400	1960	820	1400
AW30SR42	AW30SD42	1960	820	1400	3360	1420	2380	1960	820	1400

AW30SR52	AW30SD52	-	-	-	2800	1175	2000	2800	1175	2000
AW32SR42	AW32SD42	2800	1175	2000	4400	1920	3200	2800	1175	2000
AW32SR52	AW32SD52	-	-	-	3360	1410	2400	3360	1410	2400
AW32SR43	AW32SD43	3360	1410	2400	5040	2450	4080	3360	1410	2400
AW32SR53	AW32SD53	-	-	-	3850	1610	2750	3850	1610	2750
AW35SR43	AW35SD43	3850	1610	2750	6050	2640	4400	3850	1610	2750
AW35SR53	AW35SD53	-	-	-	4440	1880	3200	4400	1880	3200
AW40SR43	AW40SD43	4440	1880	3200	7040	3260	5400	4400	1880	3200
AW40SR53	AW40SD53	-	-	-	5110	2140	3650	5110	2140	3650
AW45SR43	AW45SD43	5110	2140	3650	8390	3720	6200	5110	2140	3650
AW45SR53	AW45SD53	-	-	-	6650	2790	4750	6650	2790	4750
AW45SR44	AW45SD44	6650	2790	4750	10920	4560	7600	6650	2790	4750
AW45SR54	AW45SD54	-	-	-	8120	3410	5800	8120	3410	5800
AW50SR44	AW50SD44	8120	3410	5800	12100	5200	8700	8120	3410	5800
AW50SR54	AW50SD54	-	-	-	9100	3820	6500	9100	3820	6500
AW55SR44	AW55SD44	9100	3820	6500	13600	6240	10400	9100	3820	6500
AW55SR54	AW55SD54	-	-	-	10080	4230	7200	10080	4230	7200
AW55SR45	AW55SD45	10080	4230	7200	16500	7340	12240	10080	4230	7200
AW55SR55	AW55SD55	-	-	-	12320	5170	8800	12320	5170	8800
AW60SR45	AW60SD45	12320	5170	8800	19800	8460	14100	12320	5170	8800
AW60SR55	AW60SD55	-	-	-	15400	6470	11000	15400	6470	11000
AW65SR45	AW65SD45	15400	6470	11000	25300	11200	18700	15400	6470	11000
AW65SR55	AW65SD55	-	-	-	18200	7640	13000	18200	7640	13000
AW70SR45	AW70SD45	18200	7640	13000	27300	12400	20800	18200	7640	13000
AW70SR55	AW70SD55	-	-	-	24220	10170	17300	24220	10170	17300
AW70SR46	AW70SD46	24220	10170	17300	36300	16600	27700	24220	10170	17300
AW70SR56	AW70SD56	-	-	-	29820	12520	21300	29820	12520	21300
AW75SR46	AW75SD46	29820	12520	21300	47900	21700	36200	29820	12520	21300
AW75SR56	AW75SD56	-	-	-	36250	16100	25000	36250	16100	25000
AW80SR46	AW80SD46	36250	16100	25000	55000	26200	43700	36250	16100	25000
AW80SR56	AW80SD56	—	—	—	43800	19300	30000	43800	19300	30000
AW85SR46	AW85SD46	43800	20400	30000	61000	25900	47200	43800	19300	30000
AW85SR56	AW85SD56	—	—	—	49300	22100	34000	49300	22100	34000
AW90SR47	AW90SD47	59200	24800	35300	83000	37200	58700	58300	24800	34000
AW90SR57	AW90SD57	—	—	—	74500	31000	43000	74000	31000	42500
AW100SR47	AW100SD47	73100	30300	41600	102000	45600	70500	74000	31000	42500
AW100SR57	AW100SD57	—	—	—	92200	38300	52300	92200	38300	52300
AW90SR48	AW90SD48	72400	32800	50400	103000	49000	81000	72000	32200	50000

AW90SR58	AW90SD58	—	—	—	91500	40600	63000	90000	40600	61500
AW100SR48	AW100SD48	89700	40000	61200	127500	60000	99000	90000	40600	61500
AW100SR58	AW100SD58	—	—	—	118200	50600	76000	113000	50000	70800
AW110SR48	AW110SD48	112200	47700	70000	157900	72000	115700	113000	50000	70800
AW110SR58	AW110SD58	—	—	—	140700	61000	88700	140000	61000	88000
AW120SR48	AW120SD48	129700	55200	77700	184100	84200	132100	140000	61000	88000
AW120SR58	AW120SD58	—	—	—	167600	72600	105400	166700	72600	104500
AW130SR48	AW130SD48	155000	70300	104000	220500	105000	168000	154000	69000	102000
AW130SR58	AW130SD58	—	—	—	199000	87000	124000	198000	87000	124000
AW140SR48	AW140SD48	183000	81300	117000	258000	121000	192000	182000	80700	116000
AW140SR58	AW140SD58	—	—	—	232000	101000	142000	232000	101000	142000
AW150SR48	AW150SD48	213000	94000	143000	300000	140000	231000	204000	89600	135000
AW150SR58	AW150SD58	—	—	—	266000	117000	179000	255000	112000	168000

表 5 双作用连接尺寸表/mm
Table 5 Double-acting connection dimensions/mm

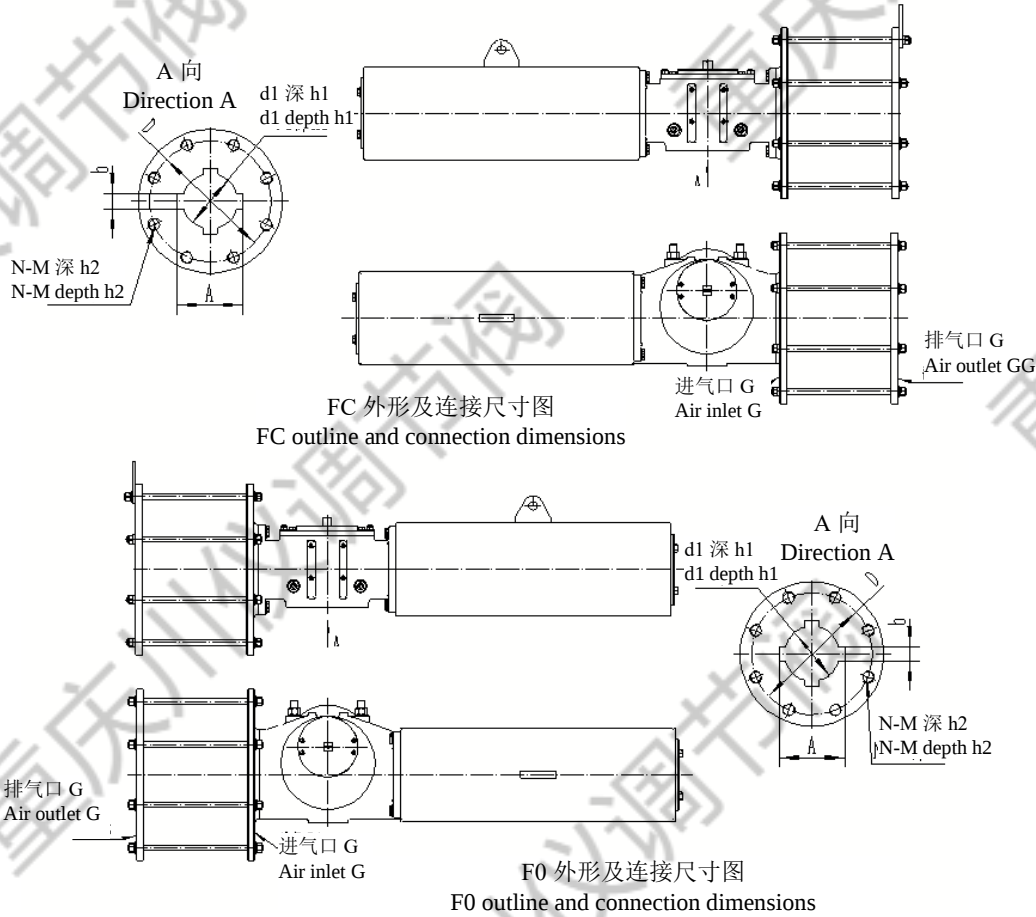


型号 Model	d1 深 h1 d1 depth h1	Axb	D	N-M 深 h2 N-M depth h2	连接法兰标准 ISO5211 Connecting flange standard ISO5211	气源 Air source 接口 G Interface G
AW18D001	Φ48 深 65	55.6x14±0.022	Φ140	4-M16 深 24	F14	NPT1/2
AW22D001	Φ48 depth 65			4-M16 depth 24		NPT1/2
AW22D002	Φ60 深 80	68.8x18±0.022	Φ165	4-M20 深 30	F16	NPT1/2
AW24D002	Φ60 depth 80			4-M20 depth		NPT1/2

AW27D002	Φ60 深度 80			30 4-M20 深度 30		NPT1/2
AW27D003	Φ72 深 110 Φ72 depth 110	81.8x20±0.026	Φ254	8-M16 深 24 8-M16 depth 24	F25	NPT1/2
AW30D003						NPT1/2
AW32D003						NPT3/4
AW35D003						NPT3/4
AW35D004	Φ100 深 130 Φ100 depth 130	112.8x28±0.026	Φ298	8-M20 深 30 8-M20 depth 30	F30	NPT3/4
AW40D004						NPT1
AW45D004						NPT1
AW50D004						NPT1
AW50D005	Φ160 深 180 Φ160 depth 180	178.8x40±0.031	Φ356	8-M30 深 45 8-M30 depth 45	F35	NPT1
AW55D005						NPT1
AW60D005						NPT 1 1/2
AW65D005						NPT 1 1/2
AW65D006	Φ180x200	200.8x45±0.031	Φ406	8-M36 深 54 8-M36 depth 54	F40	NPT 1 1/2
AW70D006						NPT 1 1/2
AW75D006						NPT 1 1/2
AW75D007	Φ220x250	242.8x50±0.031	Φ483	12-M36 深 54 12-M36 depth 54	F48	NPT 1 1/2
AW80D007						NPT 1 1/2
AW85D007						NPT 2
AW90D007						NPT 2
AW90D008	Φ280x310	304.8x63±0.037	Φ603	20-M36 深 54 20-M36 depth 54	F60	NPT 2
AW100D008						NPT 2

注：1.键槽宽 b 按 GB/T 1095 取 Js9 公差带，
Note: 1. The keyway width b is taken as tolerance band according to Js9 GB/T 1095
2.内孔尺寸 A 的公差参照 ISO5211 标准和实际，取（+0.05~+0.1）。
2. The tolerance of the bore size A is taken as (+0.05~+0.1) according to ISO5211 standard and actual situation.

表 6 单作用 FC/O 连接尺寸表/mm
Table 6 Single-acting FC/O connection dimensions/mm



型号 Model		d1 深 h1 d1 depth h1	Axb	D	N-M 深 h2 N-M depth h2	连接法兰标准 ISO5211 Connecting flange standard ISO5211	气源接口 G Air source interface G
气开 FC Air-to-open FC	气关 FO Air-to-close FO						
AW18SR41	AW18SD41	Φ48x65	55.6x14±0.022	Φ140	4-M16 深 24 4-M16 depth 24	F14	NPT1/2
AW18SR51	AW18SD51						NPT1/2
AW22SR41	AW22SD41						NPT1/2
AW22SR51	AW22SD51						NPT1/2
AW24SR41	AW24SD41						NPT1/2
AW24SR51	AW24SD51						NPT1/2
AW24SR42	AW24SD42	Φ60x80	68.8x18±0.022	Φ165	4-M20 深 30 4-M20 depth 30	F16	NPT1/2
AW24SR52	AW24SD52						NPT1/2
AW27SR42	AW27SD42						NPT1/2
AW27SR52	AW27SD52						NPT1/2
AW30SR42	AW30SD42						NPT1/2
AW30SR52	AW30SD52						NPT1/2
AW32SR42	AW32SD42	Φ60x80	68.8x18±0.022	Φ165	4-M20 深 30 4-M20 depth 30	F16	NPT3/4
AW32SR52	AW32SD52						NPT3/4

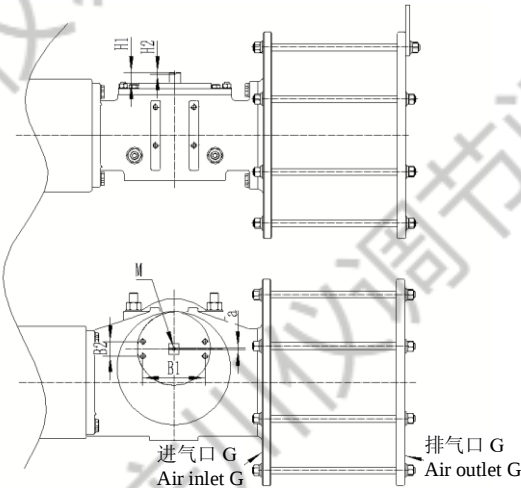
AW32SR43	AW32SD43	Φ72x110	81.8x20±0.026	Φ254	8-M16 深 24 8-M16 depth 24	F25	NPT3/4
AW32SR53	AW32SD53						NPT3/4
AW35SR43	AW35SD43						NPT3/4
AW35SR53	AW35SD53						NPT3/4
AW40SR43	AW40SD43						NPT 1
AW40SR53	AW40SD53						NPT 1
AW45SR43	AW45SD43						NPT 1
AW45SR53	AW45SD53						NPT 1
AW45SR44	AW45SD44	Φ100x130	112.8x28±0.026	Φ298	8-M20 深 30 8-M20 depth 30	F30	NPT 1
AW45SR54	AW45SD54						NPT 1
AW50SR44	AW50SD44						NPT 1
AW50SR54	AW50SD54						NPT 1
AW55SR44	AW55SD44						NPT 1
AW55SR54	AW55SD54						NPT 1
AW55SR45	AW55SD45	Φ160x180	178.8x40±0.031	Φ356	8-M30 深 45 8-M30 depth 45	F35	NPT 1
AW55SR55	AW55SD55						NPT 1
AW60SR45	AW60SD45						NPT1 1/2
AW60SR55	AW60SD55						NPT1 1/2
AW65SR45	AW65SD45						NPT1 1/2
AW65SR55	AW65SD55						NPT1 1/2
AW70SR45	AW70SD45						NPT1 1/2
AW70SR55	AW70SD55						NPT1 1/2
AW70SR46	AW70SD46	Φ180x200	200.8x45±0.031	Φ406	8-M36 深 54 8-M36 depth 54	F40	NPT1 1/2
AW70SR56	AW70SD56						NPT1 1/2
AW75SR46	AW75SD46						NPT1 1/2
AW75SR56	AW75SD56						NPT1 1/2
AW80SR46	AW80SD46						NPT1 1/2
AW80SR56	AW80SD56						NPT1 1/2
AW85SR46	AW85SD46						NPT 2
AW85SR56	AW85SD56						NPT 2
AW90SR47	AW90SD47	Φ220x250	242.8x50±0.031	Φ483	12-M36 深 54 12-M36 depth 54	F48	NPT 2
AW90SR57	AW90SD57						NPT 2
AW100SR47	AW100SD47						NPT 2
AW100SR57	AW100SD57						NPT 2
AW90SR48	AW90SD48	Φ280x310	304.8x63±0.037	Φ603	20-M36 深 54 20-M36 depth 54	F60	NPT 2
AW90SR58	AW90SD58						NPT 2
AW100SR48	AW100SD48						NPT 2
AW100SR58	AW100SD58						NPT 2
AW110SR48	AW110SD48						NPT 2
AW110SR58	AW110SD58						NPT 2
AW120SR48	AW120SD48						NPT 2

AW120SR58	AW120SD58					NPT 2
AW130SR48	AW130SD48					NPT 2
AW130SR58	AW130SD58					NPT 2
AW140SR48	AW140SD48					NPT 2
AW140SR58	AW140SD58					NPT 2
AW150SR48	AW150SD48					NPT 2
AW150SR58	AW150SD58					NPT 2

注：1.键槽宽 b 按 GB/T 1095 取 Js9 公差带，
Note: 1. The keyway width b is taken as tolerance band according to Js9 GB/T 1095
2.内孔尺寸 A 的公差参照 ISO5211 标准和实际，取 (+0.05~+0.1) 。

2. The tolerance of the bore size A is taken as (+0.05~+0.1) according to ISO5211 standard and actual situation.

表 7 限位开关安装尺寸表
Table 7 Limit switch mounting dimensions

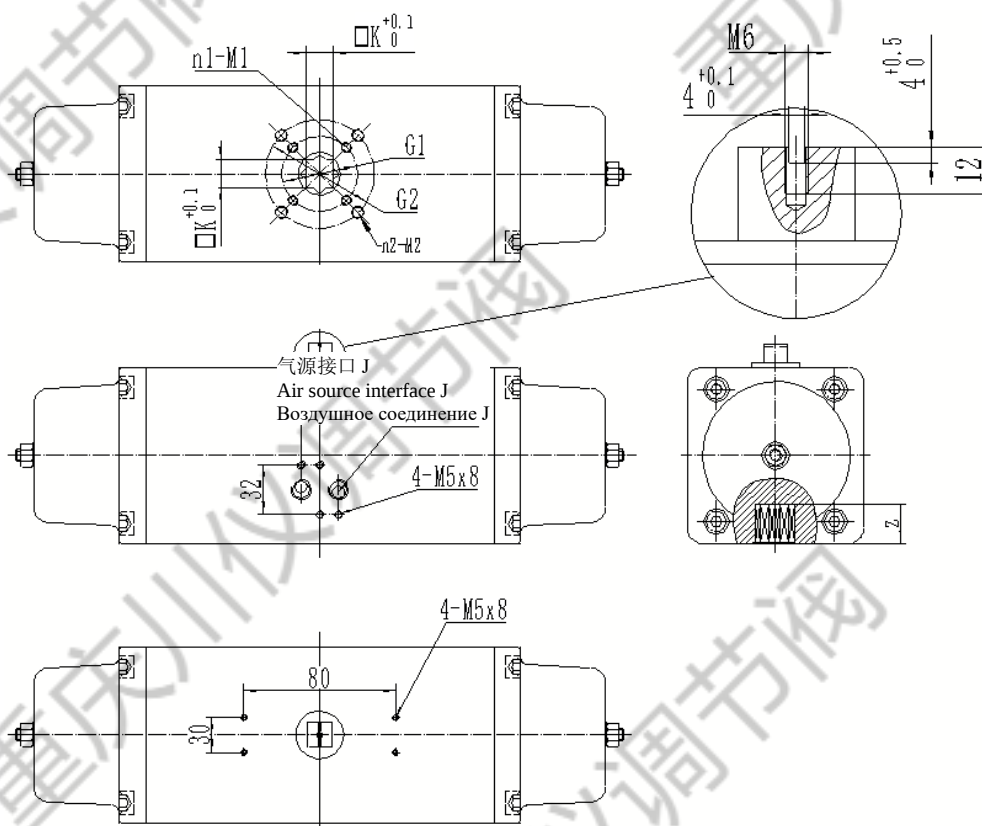


型号 Model	B1	B2	H1	H2	a	M
AWxxxxx1	80	30	20			
AWxxxxx2	130	30	30	4	4	M6x16
AWxxxxx3						
AWxxxxx4						
AWxxxxx5						
AWxxxxx6						
AWxxxxx7						
AWxxxxx8						

“xxxxx”以表 3、表 4 或者表 5、6 中的具体型号为准，AW06~10 见表 8、表 9 附图
"xxxxx" is subject to the specific model in Table 3, Table 4, or Table 5, 6, and AW06~10 is shown in the attached figure in Table 8 and Table 9

表 8 小型号 AW06、AW08、AW10 连接尺寸和限位开关安装尺寸表/mm

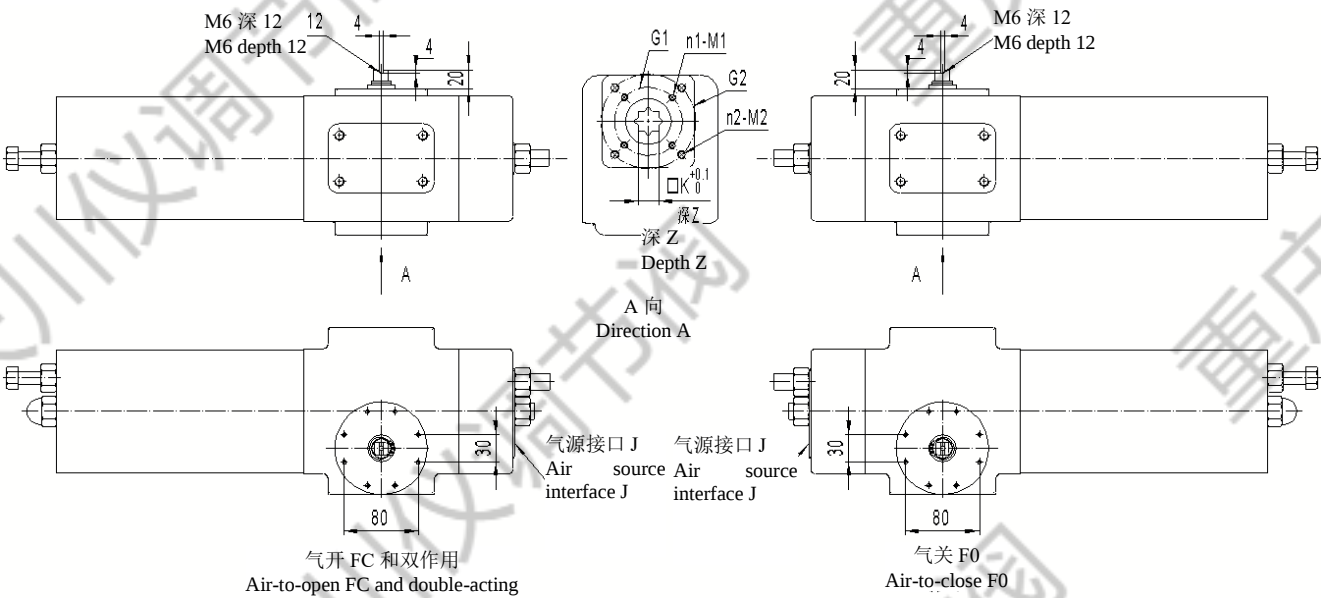
Table 8 Connection dimensions and limit switch mounting dimensions of small models AW06, AW08 and AW10/mm



型号 Model	G1	n1-M1	G2	n2-M2	K	Z	气源接口 J Air source interface J	连接标准 Connection standard
AW06SR4F07	Φ50	4-M6X10	Φ70	4-M8X13	14	18	NPT 1/8	F05/F07
AW06SD4F07								
AW06SR5F07								
AW06SD5F07								
AW06D00F07								
AW08SR4F10	Φ70	4-M8X13	Φ102	4-M10X16	22	26	NPT 1/8	F07/F10
AW08SD4F10								
AW08SR5F10								
AW08SD5F10								
AW08D00F10								
AW10SR4F12	Φ102	4-M10X16	Φ125	4-M12X18	27	31	NPT 1/4	F10/F12
AW10SD4F12								
AW10SR5F12								
AW10SD5F12								
AW10D00F12								

表 9 小型号 AW12、AW13 连接尺寸和限位开关安装尺寸表/mm

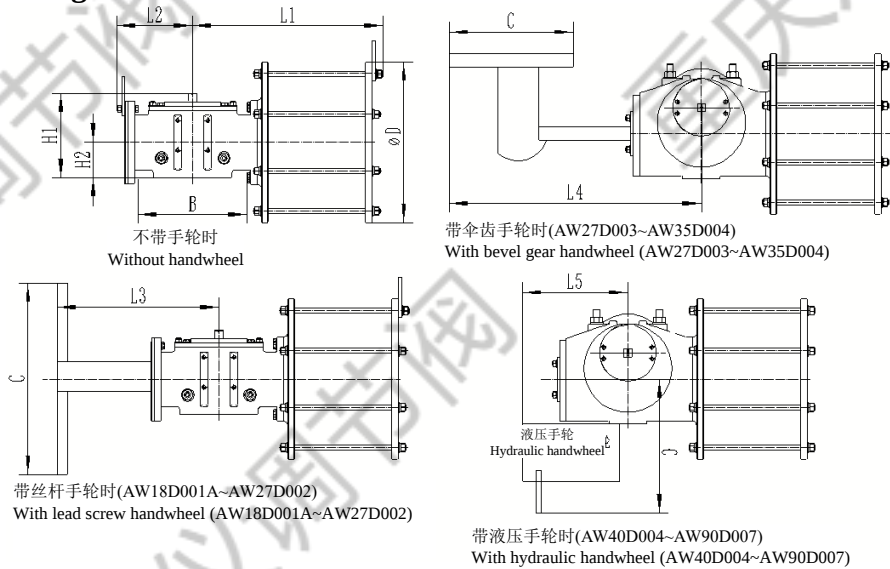
Table 9 Connection dimensions and limit switch mounting dimensions of small models AW12 and AW13/mm



型号 Model	G1	n1-M1	G2	n2-M2	K	Z	气源接口 J Air source interface J	连接法兰标准 ISO5211 Connecting flange standard ISO5211
AW12D00F10	-	-	Φ102	4-M10X15	22	24	NPT 3/8"	F10
AW12SR4F10								
AW12SD4F10								
AW12SR5F10								
AW12SD5F10								
AW16D00F12	Φ102	4-M10X16	Φ125	4-M12X18	27	29	NPT 3/8"	F10/F12
AW16SR4F12								
AW16SD4F12								
AW16SR5F12								
AW16SD5F12								

表 10 双作用外形尺寸表

Table 10 Double-acting outline dimensions

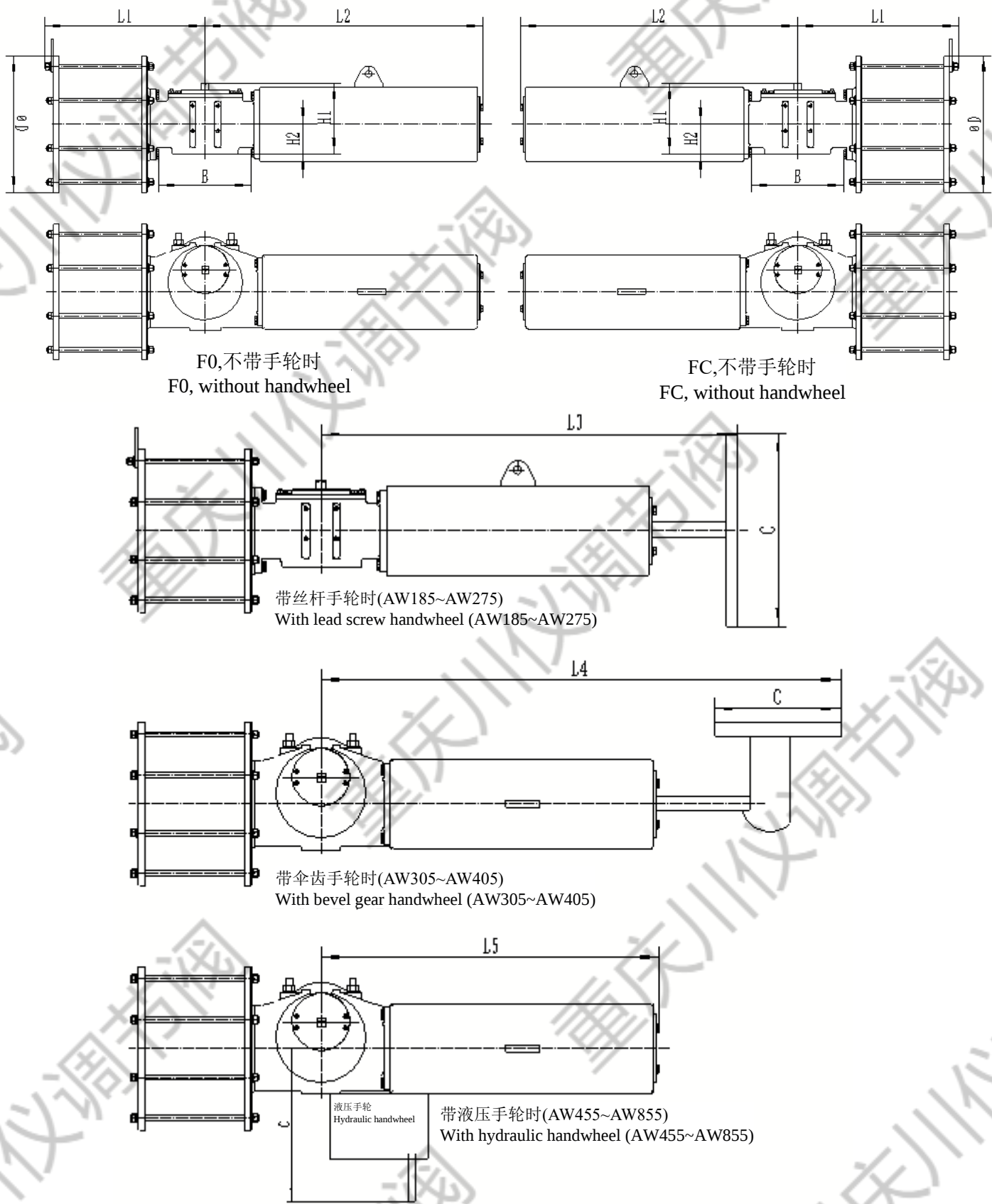


型号 Model	D	L1	L2	L3	L4	L5	H1	H2	B	C	重量 Weight (不带手轮) (Without handwheel)	重量 Weight (带手轮) (With handwheel)
AW18D001	Φ280	520	200	740	-	-	220	100	235	Φ400	105	140
AW22D001	Φ335	520	200	740	-	-	220	100	235	Φ400	115	150
AW22D002	Φ335	650	250	800	-	-	250	110	285	Φ600	130	180
AW24D002	Φ370	650	250	800	-	-	250	110	285	Φ600	140	190
AW27D002	Φ430	650	250	800	-	-	250	110	285	Φ600	150	200
AW27D003	Φ430	700	270	-	1500	-	300	125	320	Φ700	195	245
AW30D003	Φ450	700	270	-	1500	-	300	125	320	Φ700	210	260
AW32D003	Φ480	700	270	-	1500	-	300	125	320	Φ700	225	280
AW35D003	Φ500	700	270	-	1500	-	300	125	320	Φ700	265	320
AW35D004	Φ500	800	320	-	1500	-	320	130	396	Φ700	350	450
AW40D004	Φ550	800	320	-	-	900	320	130	396	800	375	475
AW45D004	Φ600	800	320	-	-	900	320	130	396	800	400	500
AW50D004	Φ650	800	320	-	-	900	320	130	396	800	450	550
AW50D005	Φ650	950	370	-	-	1000	420	170	505	830	500	600
AW55D005	Φ700	950	370	-	-	1000	420	170	505	830	550	650
AW60D005	Φ750	950	370	-	-	1000	420	170	505	830	600	700
AW65D005	Φ800	950	370	-	-	1000	420	170	505	830	670	800
AW65D006	Φ800	1270	460	-	-	1150	510	200	563	850	1000	1200
AW70D006	Φ850	1270	460	-	-	1150	510	200	563	850	1220	1420
AW75D006	Φ910	1270	460	-	-	1150	510	200	563	850	1400	1550
AW75D007	Φ910	1350	480	-	-	1400	630	230	732	900	1750	1950
AW80D007	Φ960	1350	480	-	-	1400	630	230	732	900	1850	2050

AW85D007	Φ1020	1350	1350	-	-	1400	630	230	732	900	2500	2700
AW90D007	Φ1100	1350	1350	-	-	1400	630	230	732	900	2600	2800
AW90D008	Φ1100	1550	1550	-	-	1800	630	250	-	1100	-	-
AW100D008	Φ1200	1550	1550	-	-	1800	630	250	-	1100	-	-

表 11 单作用外形尺寸表

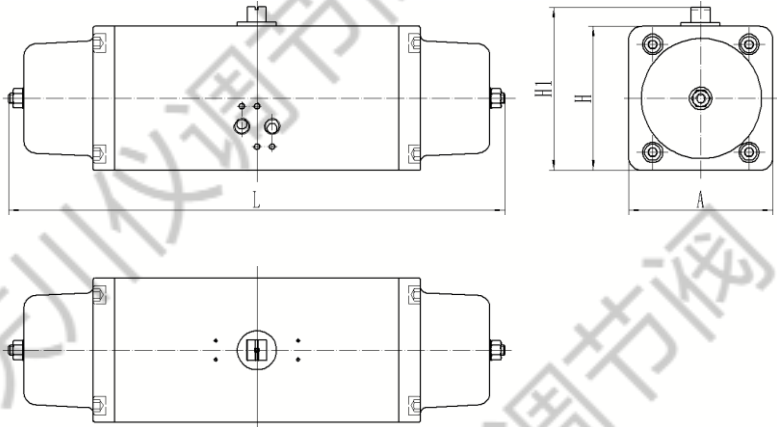
Table 11 Single-acting outline dimensions



型号 Model		D	L1	L2	L3	L4	L5	H1	H2	B	C	重量 Weight (不带手轮) (Without handwheel)	重量(带手 轮) Weight (with handwheel)
气开 FC Air-to-open FC	气关 FO Air-to-close FO												
AW18SR41	AW18SD41	Φ280	520	850	950	-	-	220	100	235	Φ400	165	200
AW18SR51	AW18SD51	Φ280	520	850	950	-	-	220	100	235	Φ400	175	210
AW22SR41	AW22SD41	Φ335	520	850	950	-	-	220	100	235	Φ400	175	210
AW22SR51	AW22SD51	Φ335	520	910	1000	-	-	220	100	235	Φ400	190	215
AW24SR41	AW24SD41	Φ370	520	910	1000	-	-	220	100	235	Φ400	205	230
AW24SR51	AW24SD51	Φ370	520	910	1000	-	-	220	100	235	Φ400	220	275
AW24SR42	AW24SD42	Φ370	650	910	1300	-	-	250	110	285	Φ600	250	305
AW24SR52	AW24SD52	Φ370	650	910	1300	-	-	250	110	285	Φ600	270	325
AW27SR42	AW27SD42	Φ430	650	910	1300	-	-	250	110	285	Φ600	270	325
AW27SR52	AW27SD52	Φ430	650	950	1300	-	-	250	110	285	Φ600	280	335
AW30SR42	AW30SD42	Φ430	650	1050	-	1300	-	250	110	285	Φ600	300	355
AW30SR52	AW30SD52	Φ430	650	1050	-	1300	-	250	110	285	Φ600	315	370
AW32SR42	AW32SD42	Φ480	650	1050	-	1300	-	250	110	285	Φ600	340	395
AW32SR52	AW32SD52	Φ480	650	1050	-	1300	-	250	110	285	Φ700	360	415
AW32SR43	AW32SD43	Φ480	700	1160	-	1600	-	300	125	320	Φ700	380	435
AW32SR53	AW32SD53	Φ480	700	1160	-	1600	-	300	125	320	Φ700	410	465
AW35SR43	AW35SD43	Φ500	700	1160	-	1600	-	300	125	320	Φ700	435	485
AW35SR53	AW35SD53	Φ500	700	1160	-	1600	-	300	125	320	Φ700	445	495
AW40SR43	AW40SD43	Φ550	700	1160	-	1600	-	300	125	320	Φ700	460	510
AW40SR53	AW40SD53	Φ550	700	1160	-	1600	-	300	125	320	Φ700	500	550
AW45SR43	AW45SD43	Φ600	700	1250	-	-	1650	300	125	320	800	515	570
AW45SR53	AW45SD53	Φ600	700	1250	-	-	1650	300	125	320	800	550	600
AW45SR44	AW45SD44	Φ600	800	1250	-	-	1650	320	130	396	800	720	800
AW45SR54	AW45SD54	Φ600	800	1250	-	-	1650	320	130	396	800	750	830
AW50SR44	AW50SD44	Φ650	800	1350	-	-	1850	320	130	396	800	840	920
AW50SR54	AW50SD54	Φ650	800	1350	-	-	1850	320	130	396	800	870	950
AW55SR44	AW55SD44	Φ700	800	1350	-	-	1850	320	130	396	800	910	1000
AW55SR54	AW55SD54	Φ700	800	1350	-	-	1850	320	130	396	830	950	1050
AW55SR45	AW55SD45	Φ700	950	1600	-	-	1950	420	170	505	830	1180	1320
AW55SR55	AW55SD55	Φ700	950	1600	-	-	1950	420	170	505	830	1200	1350
AW60SR45	AW60SD45	Φ750	950	1600	-	-	1950	420	170	505	830	1250	1400
AW60SR55	AW60SD55	Φ750	950	1600	-	-	1950	420	170	505	830	1300	1450
AW65SR45	AW65SD45	Φ800	950	1600	-	-	1950	420	170	505	830	1350	1500
AW65SR55	AW65SD55	Φ800	950	1600	-	-	1950	420	170	505	830	1400	1550
AW70SR45	AW70SD45	Φ850	950	1800	-	-	2300	420	170	505	830	1850	2000
AW70SR55	AW70SD55	Φ850	950	2250	-	-	2400	420	170	505	850	2000	2150
AW70SR46	AW70SD46	Φ850	1270	2250	-	-	2400	510	200	563	850	2200	2350

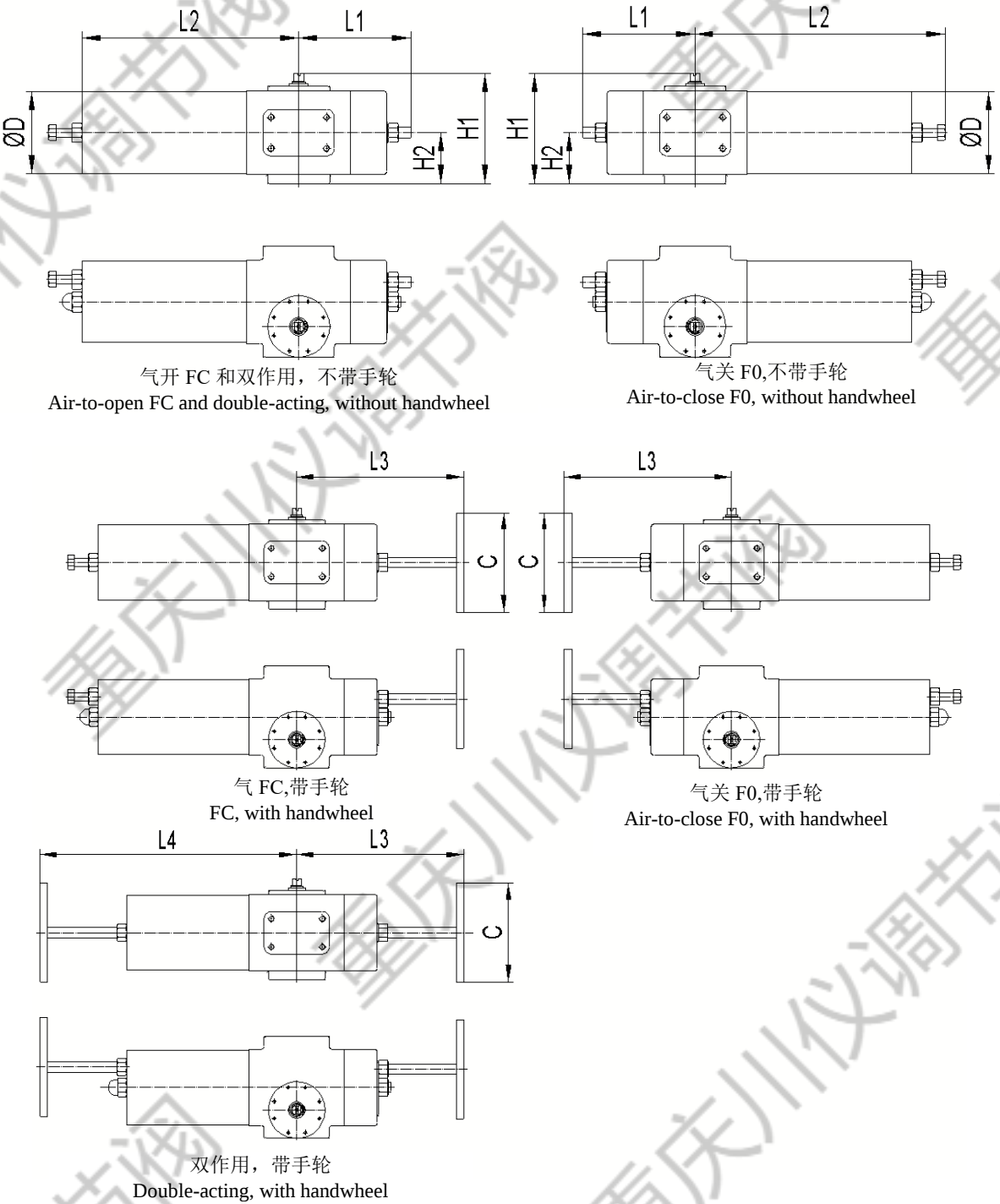
AW70SR56	AW70SD56	Φ850	1270	2250	-	-	2530	510	200	563	850	2450	2550
AW75SR46	AW75SD46	Φ910	1270	2250	-	-	2530	510	200	563	850	2750	2900
AW75SR56	AW75SD56	Φ910	1270	2250	-	-	2530	510	200	563	900	2950	3100
AW80SR46	AW80SD46	Φ960	1270	2300	-	-	2600	510	200	563	900	3250	3400
AW80SR56	AW80SD56	Φ960	1270	2300	-	-	2600	510	200	563	900	3360	3550
AW85SR46	AW85SD46	Φ1020	1270	2300	-	-	2600	510	200	563	900	3450	3600
AW85SR56	AW85SD56	Φ1020	1270	2300	-	-	2600	510	200	563	900	4000	4250

表 12 AW06、AW08、AW10 外形尺寸表
Table 12 AW06, AW08 and AW10 outline dimensions



型号 Model	长 L, mm L, mm	宽 A, mm A, mm	高 H, mm H, mm	总高 H1, mm Total height H1, mm	重量, kg Weight, kg
AW06SR4F07	355	88	88	108	5
AW06SD4F07					
AW06SR5F07					
AW06SD5F07					
AW06D00F07	220				3
AW08SR4F10	470	115	115	135	11
AW08SD4F10					
AW08SR5F10					
AW08SD5F10					
AW08D00F10	320				7.5
AW10SR4F12	590	143	143	163	19
AW10SD4F12					
AW10SR5F12					
AW10SD5F12					
AW10D00F12	390				12

表 13 AW12 和 AW16 外形尺寸表
Table 13 AW12 andAW16 outline dimensions



型号 Model	D	L1	L2	L3	L4	H1	H2	C	重量 Weight (不带手轮) (Without handwheel)	重量 Weight (带手轮) (With handwheel)	
AW12D00F10	Φ135	200	410	430	630	180	82.5	200	40	50	
AW12SR4F10			-		48				53		
AW12SD4F10										50	55
AW12SR5F10											
AW12SD5F10											
AW16D00F12	Φ172	220	430	450	660	210	95		45	59	
AW16SR4F12			-		55				62		
AW16SD4F12										60	67
AW16SR5F12											
AW16SD5F12											

型谱 Type spectrum											
系列 Series	AW										
规格型号 Specification and model											气动拨叉式执行机构 Fork type pneumatic actuator
	0	6									06 系列缸体 06 series cylinder block
	0	8									08 系列缸体 08 series cylinder block
	1	0									10 系列缸体 10 series cylinder block
	1	2									12 系列缸体 12 series cylinder block
	1	6									16 系列缸体 16 series cylinder block
	1	8									18 系列缸体 18 series cylinder block
	2	2									22 系列缸体 22 series cylinder block
	2	4									24 系列缸体 24 series cylinder block
	2	7									27 系列缸体 27 series cylinder block
	3	0									30 系列缸体 30 series cylinder block
	3	2									32 系列缸体 32 series cylinder block
	3	5									35 系列缸体 35 series cylinder block

	4	0							40 系列缸体 40 series cylinder block
	4	5							45 系列缸体 45 series cylinder block
	5	0							50 系列缸体 50 series cylinder block
	5	5							55 系列缸体 55 series cylinder block
	6	0							60 系列缸体 60 series cylinder block
	6	5							65 系列缸体 65 series cylinder block
	7	0							70 系列缸体 70 series cylinder block
	7	5							75 系列缸体 75 series cylinder block
	8	0							80 系列缸体 80 series cylinder block
	8	5							85 系列缸体 85 series cylinder block
	9	0							90 系列缸体 90 series cylinder block
	1	0	0						100 系列缸体 100 series cylinder block
	1	1	0						110 系列缸体 110 series cylinder block
	1	2	0						120 系列缸体 120 series cylinder block
	1	3	0						130 系列缸体 130 series cylinder block
	1	4	0						140 系列缸体 140 series cylinder block
	1	5	0						150 系列缸体 150 series cylinder block
动作方式 Action method			D						双作用 Double-acting
			S						单作用 Single-acting
作用形式 Mode of action				0					双作用 Double-acting
				R					单作用，故障关 FC Single-acting, FC
				D					单作用，故障开 FO Single-acting, FO
弹簧规格 Spring specification				0					双作用 Double-acting

	4			单作用，4 公斤气源压力的弹簧 Single-acting, spring with 4 kg air source pressure
	5			单作用，5 公斤气源压力的弹簧 Single-acting, spring with 5 kg air source pressure
箱体型号 Box model	F07			连接尺寸 F07 Connection dimension F07
	F10			连接尺寸 F10 Connection dimension F10
	F12			连接尺寸 F12 Connection dimension F12
	1			连接尺寸 F14 Connection dimension F14
	2			连接尺寸 F16 Connection dimension F16
	3			连接尺寸 F25 Connection dimension F25
	4			连接尺寸 F30 Connection dimension F30
	5			连接尺寸 F35 Connection dimension F35
	6			连接尺寸 F40 Connection dimension F40
	7			连接尺寸 F48 Connection dimension F48
	8			连接尺寸 F60 Connection dimension F60
超低温环境 Ultra-low temperature environment	无 NA		标准（-40°~120°C） Standard (-40°~120°C)	
	L		-52~70°C	

订货须知

Ordering instructions

订货时，请写明：

When ordering, please specify:

1.执行机构型号（包括规格型号、动作方式、作用形式、弹簧规格、箱体型号）

1.Actuator model (including specification and model, action method, mode of action, spring specification and box model)

2.供气压力；

2.Air supply pressure;

3.环境温度标准为常温(-20~+80°)，低温(-40~80°)和高温(-15~120°)，属于特殊订货，需备注；

3.Ambient temperature standard: normal temperature(-20~+80°), low temperature(-40~80°) and high temperature(-15~120°). Make remarks for special order;

4.标准不带手轮，如需带手轮，请备注；超低温需按型谱特殊选型；

4.Standard without handwheel. Make remarks if a handwheel is required; select a special model according to the type spectrum for ultra-low temperature;

5.标准不带机械限位，如有机械限位请注明限开（阀门不开完），限关(阀门不关死)和限位值；

5.Standard without mechanical limit. If a mechanical limit is available, please indicate the limit opening (the valve is not fully open), the limit closing (the valve is not fully closed) and the limit value;

6.标准防护等级为 C3，如有特殊，需备注；

6. The standard protection grade is C3. Make remarks for special requirement;

7.颜色为浅灰色，色标 RAL7035，如有特殊，需备注；（标准颜色如有变化，请以最新为准）

7. The color is light gray, with the color code of RAL7035. Remark any special requirement (**If the standard color changes, the latest color shall prevail**)

8.标准不带支架和连接件，如需求，都属特殊订货，需备注，并提供连接尺寸图；

8. **Standard without brackets and connectors.** If required, the order is special and requires remarks and connection dimensions;