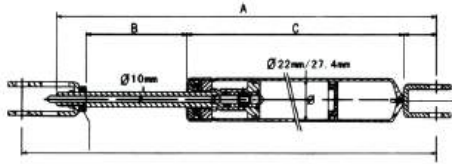


1:Diagram(示意图)



2:Manufacturing specs(制造规格)

Type 类型	Cylinder 外径(Φ)	Piston Rod 活塞杆(Φ)	Stroke 行程(mm)	Force 压力(N)
Lock 可锁定型	22	10	20-250	200-700
	27	10	20-250	200-1000
	27	12	40-350	450-1200
	27	14	40-400	450-1200

3:The special feature and characteristic of the products(产品功能及特点)

A. A principle of operation.

Each spring is easy to adjust to desired position.

b. Characteristics of the product.

1.Easy to install 2.Easy to use 3.No step adjustment

Stop and locking can be set at arbitrary by opening and locking the internal oil(gas)

a. 功能:根据产品的作用要求,调节产品的负载角度

b. 特点:安装简单,操作简便,设有调节步骤。固定上托盘和锁定状态可以在任何位置,通过打开和锁定内部气压来确定。

4:A Principle of operation(操作原理)

It is possible to stop at any position and be locked by move of inner oil(gas)

1:In case of having Free Piston 2:Encapsulated Piston

停留在任何位置都成为可能而且只需要通过移动内部气体来锁定

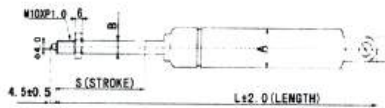
1:有自由型活塞 2:无自由型活塞

5:Limits of the products(适用范围)

Office chairs,rocking chairs,chairs for the beauty parlors,passenger seats,hospital beds.

办公椅、逍遥椅(欧美市场)、美容椅、客车座椅、医疗病床等。

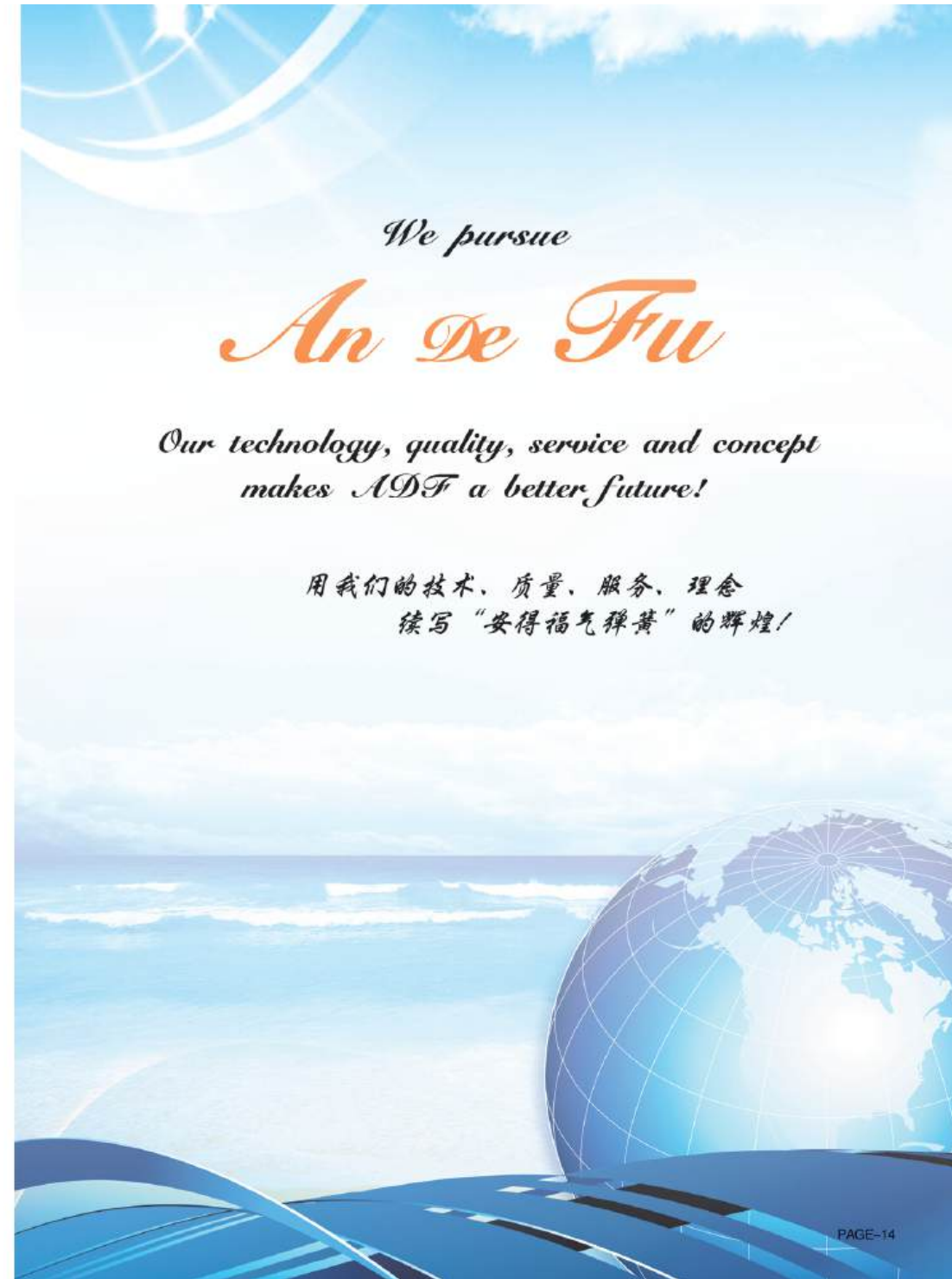
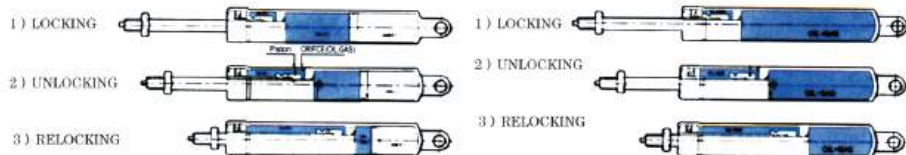
Gas Spring-Lock Type Hairdressing Chairs



Model No.	S(mm)	L(mm)	B	A	F1
JKQ40	43	235	Φ10	Φ27	560N
JKQ60	60	280	Φ10	Φ27	400N
JKQ80	80	370	Φ10	Φ27	400N
JKQ100	100	395	Φ10	Φ27	400N

**Note:** 1.Shown on the lists are the minimum sizes we can normally produce.  
2.Other sizes are also available Please contact us for further information.

**提醒:** 1.单子上提供的产品规格是我们能正常生产的最小尺码  
2.另外尺寸的产品也是可以生产的。如果需要更详细的产品资料,请与我们联系。



## Testing Equipment 检测设备



力特性曲线试验机



办公椅扶手, 靠背  
双层测试机



气动杆疲劳测试机



气动杆旋转测试机



盐雾试验机



恒温恒湿试验箱

## 产品·介绍 Product Introduction



### 1. Gas Spring--Free Type

Used in textil machines, hospital beds,  
tool boxes, designer doors and windows etc.



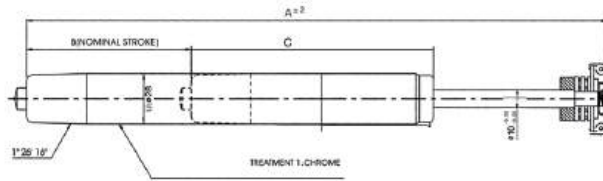
### 2. Gas Spring--Free type

Used in office chair, bar chair  
and other seatings.



## Piston Rod Specification

棒心规格表



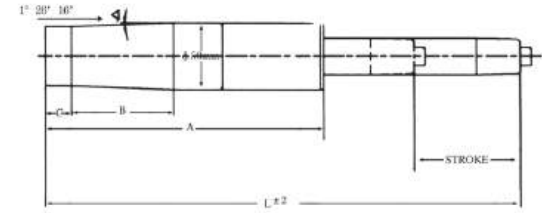
Model#	A/mm	B/mm	C/mm	F/N
ADF-60mm	275	60	190	300~500
ADF-70mm	302	70	204	300~500
ADF-80mm	310	80	210	300~500
ADF-100mm	344	100	226	300~500
ADF-100mm	365	100	247	300~500
ADF-120mm	390	120	247	300~500
ADF-120mm	404	120	259	300~500
ADF-140mm	414	140	259	300~500
ADF-140mm	436	140	281	300~500
ADF-160mm	440	160	270	300~500
ADF-200mm	535	200	320	300~500
ADF-270mm	715	230	405	300~500

此表为标准规格尺寸  
Only the standard sizes are shown on this chart.

也可制造其他尺寸, 请来电详谈  
Other sizes are also accepted. Please contact us for further information.

## Medium Tube Specification

外套管规格表



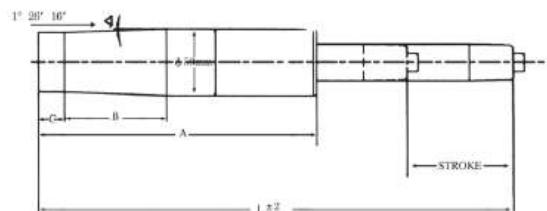
GAS SPRING MODEL	COLUMN	A/mm	B/mm	C/mm	L/mm	STROKE/mm
ADP-195-70-40	S-175-75-00	175	75	0	281	60
	D-175-75-20	175	75	20	281	60
	S-175-80-00	175	75	0	281	60
ADP-210-80-40	S-185-75-00	185	75	0	306	70
	D-185-75-20	185	80	20	306	70
	S-185-80-00	185	75	0	306	70
	D-185-75-20	185	75	20	306	70
ADP-232-100-40	S-215-75-00	215	75	0	348	90
	D-215-75-10	215	75	10	348	90
	D-215-75-20	215	63	20	348	90
	D-215-63-35	215	75	35	348	90
	D-215-75-20	215	75	20	348	90
ADP-250-120-35	S-215-75-00	215	75	0	395	110
	D-215-75-10	215	75	10	395	110
	D-215-75-20	215	63	20	395	110
ADP-250-140-35	D-215-63-35	215	75	35	395	110
	D-215-75-20	215	75	20	395	110

此表为标准规格尺寸  
Only the standard sizes are shown on this chart.

也可制造其他尺寸, 请来电详谈  
Other sizes are also accepted. Please contact us for further information.

## Medium Tube Specification

外套管规格表



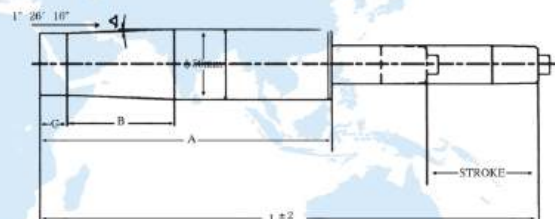
GAS SPRING MODEL	COLUMN	A/mm	B/mm	C/mm	L/mm	STROKE/mm
ADF-300-160-35	S-230-75-00	230	75	0	415	130
	D-230-75-10	230	63	10	415	130
	D-230-63-35	230	80	35	415	130
	S-230-80-00	230	75	0	415	130
ADP-320-200-35	S-285-75-00	285	63	0	476	150
	D-285-63-35	285	80	35	476	150
	S-285-80-00	285	75	0	476	150
ADP-420-270-35	S-385-75-00	385	63	0	536	190
	D-285-63-35	285	75	35	536	190
	S-385-75-00	385	63	0	706	260
	D-385-63-35	385	75	35	706	260

此表为标准规格尺寸  
Only the standard sizes are shown on this chart.

也可制造其他尺寸, 请来电详谈  
Other sizes are also accepted. Please contact us for further information.

## Office Chair Gas Spring

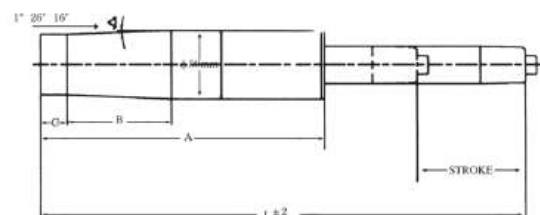
办公椅气弹簧



Model	A/mm	B/mm	C/mm	L/mm	F/N	STROKE
ADF-120#	215	75	10	395	400	110

## Bar Chair Gas Spring

酒吧椅气弹簧



Model	A/mm	B/mm	C/mm	L/mm	F/N	STROKE
ADF-260#	385	75	10	706	400	260

Remark:  
If you need other size, please contact us for further information

## Auto-return Height Adjustable Cylinder

自动回位升降气杆



### 特征

可旋转360度，有上下升降功能，并且旋转升降可自动回位。

### Feature

The auto-return height adjustable cylinder swivels 360 degree in both directions,height the seat automatically, remains unchanged when vacated

## Auto-return Height Adjustable Cylinder

自动回位杆



### 特征

可旋转360度,可自动回位,但无升降功能

### Feature

The return spindle is not a height-adjustable cylinder but swivels 360 degree in both directions when seated and returning the seat automatically to the original when vacated

## Gas Sping-Free Type

支撑气弹簧



**FREE TYPE**  
 YQ1/F( $\phi 15 \times \phi 6$ ) YQ2/F( $\phi 18 \times \phi 8$ )  
 YQ3/F( $\phi 22 \times \phi 10$ ) YQ4/F( $\phi 26 \times \phi 10$ )  
 YQ5/F( $\phi 28 \times \phi 12$ ) YQ6/F( $\phi 28 \times \phi 14$ )

## Gas Sping-Lock Type

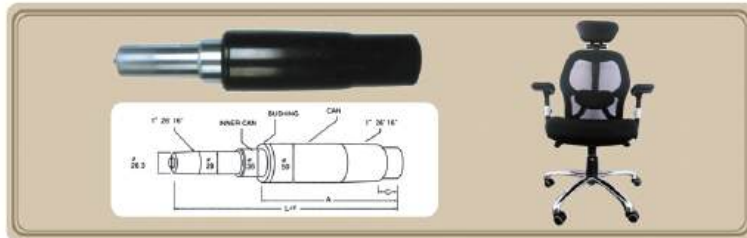
可锁定型气弹簧



**LOCK TYPE**  
 JKQ/F( $\phi 22 \times \phi 10$ )  
 JKQ/F( $\phi 27 \times \phi 10$ )( $\phi 27 \times \phi 12$ )( $\phi 27 \times \phi 14$ )

## Soft Cushion Cylinder

减震气动杆



### Feature

Soft cushion provided at lowest position  
 Comfortable cushion provided all the time by using a special coil spring.  
 Excellent appearance

### Application

Sensitive chair at shock impact  
 Specially designed comfortable soft chair at any position

### Test Methods

ANSI/BIFMA performance standards

### Advantages

Soft and comfortable cushion provided all the time when seated by a specially designed coil spring

### Available Sizes

Dimensions and F1 changeable to comply with buyer's request  
 F1:150N-450N

### 特征

在最低位置具有软垫  
 通过使用特殊线圈弹簧能在任何时间提供舒适的软垫出众的设计

### 应用

抗震椅  
 适用于任何位置的特殊设计的舒适软椅

### 测试方式

ANSI/BLFMA执行标准

### 优点

通过一特殊设计的线圈弹簧控制座椅，能在任何时提供柔软舒适的坐垫感

### 可供选择的规格

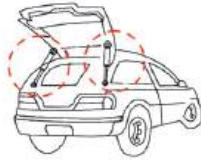
可以根据客户需要改变尺寸和F1  
 F1:150N-420N



passenger seat(客车座椅)



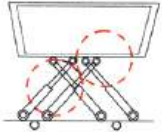
drafting table(绘图台)



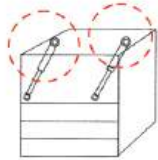
car(小汽车)



filing system(办公橱柜)



infant incubator(运输婴儿培养箱)



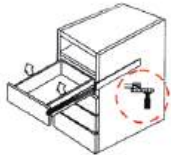
multiple function tool box(for export only)多功能工具箱(欧美市场)



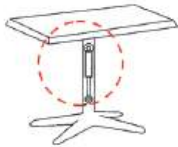
high tech nursing bed(医用护理床)



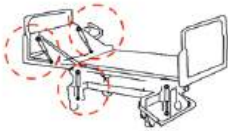
designer door and window(新型门窗)



hanging file(办公台柜)



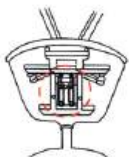
drop-leaf table(升降台桌)



hospital bed(医疗病床)



residential bed(家具床)



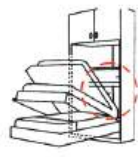
chairs for the beauty parlor(美容椅)



bus(大巴车)

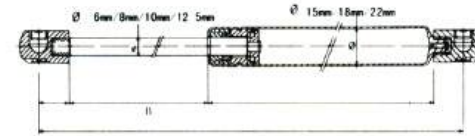


printer(打印机)



murphy bed(墙壁床)

## 1:Diagram(示意图)



## 2:Manufacturing specs(制造规格)

Type/类型	Cylinder(Φ) 外径(Φ)	Piston Rod(Φ) 活塞杆(Φ)	Stroke(mm) 行程(mm)	Force(N) 压力(N)
Free 自由型	15	6	50-150	40-300
	18	8	50-250	100-500
	22	10	50-350	100-700
	26	10	50-450	100-800
	28	12	50-700	400-900
	28	14	50-900	450-1200

## 3:The special feature and characteristic of the products(产品功能及特点)

### a. A principle of operation

It is possible to stop at any height by setting at an arbitrary position.

### b. Characteristics of the product

1.Easy to store 2.Easy to install

3.Easy to use 4.Light and small in size and supports a large load.

a.功能:根据产品通过调节负载面的角度而改变面载面的高度。

b.特点:便于放置,安装简单,操作简单,体积小负载面大

## 4:A Principle of operation(操作原理)

type gas spring,while the Piston Rod is compressed.For this reason,the Piston Rod always carries repulsive power in the direction of expansion. Hence,the degree of repulsive power is dependent upon the pressure inside the gas chamber and the outer diameter of the Piston Rod.

根据下图,当活塞杆被压缩时,高压气体被密封于圆柱气体管内.由于这一原因,活塞杆总是处于排斥力的方向,因此,排斥力的程度要根据气体管的压力和活塞杆的外直径.



- Pressure(P)applied to A creates Force(F)

- As Piston Rod is pressed,Gas Chamber is reduced as much as volume of Piston Rod and Gas

- is expanded,therefore pressure increases.

- 作用于A的压力产生了力

- 当活塞杆被压紧,圆筒内气体管的容积减小,气体膨胀就产生了力

## 5:Limits of the products(适用范围)

Moonroofs,luggage,quick-copiers,farming equipment, textile machines,hospital beds,residential beds,tool boxes(for export only),designer doors and windows, compartmentalized cupboards.

汽车上舱门及行李箱,复印机,农用机,纺织机械,医疗病床,家用类床,工具箱(欧美市场),新型门窗,新型橱柜等。