

Ningbo Winson Machinery Products., Ltd. Specialize in custom developing & manufacturing various of nitrogen filled gas springs & hydraulic shock dampers for World customers. Our Main Partner is Ningbo Cospl Pneumatic & Hydraulic Components,

Yangzhou Uli Gas Spring Technology Co., Ltd.

Know More Informations Visit Gasspringscn.com

Winson Gas Spring





sales@gasspringscn.com WhatsApp +8613780014913

PNEUMATIC&HYDRAULIC COMPONENT

引领科技 倡导未来 TECHNOLOGY SHAPES FUTURE

Our Factory Professional & Standard Production Line 服公司

sales@gasspringscn.com WhatsApp +8613780014913

Our Produts

Compress Gas Spring U

Compression gas spring also named lift gas spring or gas strut, it's free type gas spring, it is the most widely used gas springs.

Lockable Gas Spring 02

Also named as adjustable gas spring, it's incorporates a mechanism to enable the rod to be locked at any point in its travel.

Traction Gas Spring 03

Also named tension gas spring, the original state of compression, by tensile force outward expansion.

Hydraulic Damper 04

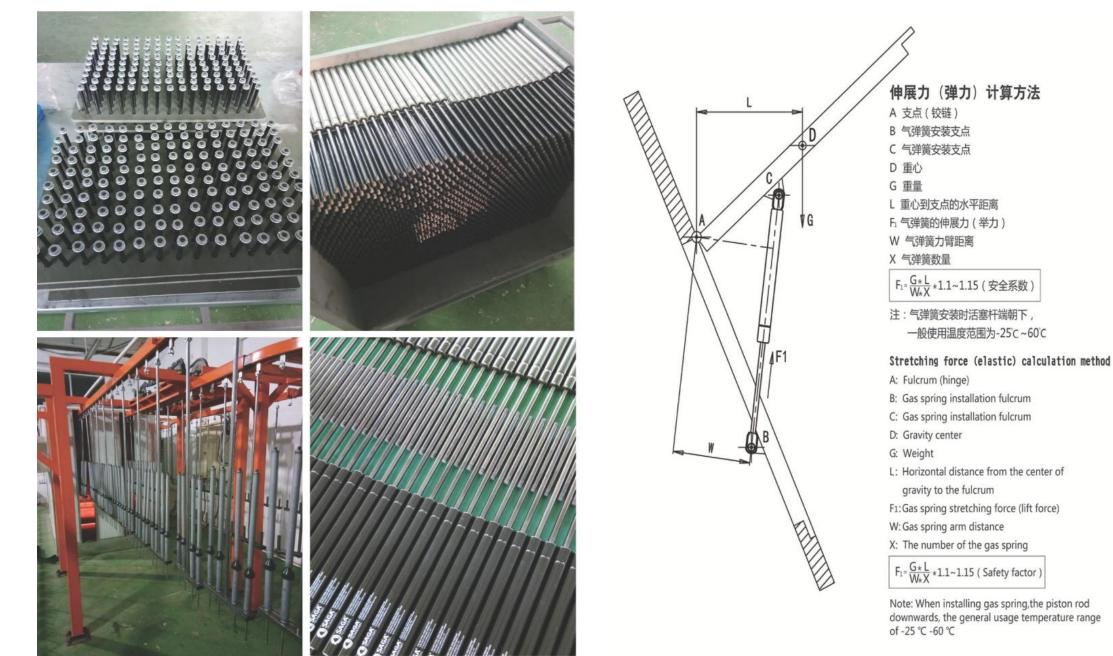
It is filled with hydraulic oil, which mainly plays the role of shock damping and slowing down.

Special Gas Spring 05

Such as free stop type, three section type, double direction type, compression terminal self-locking / pop-out type gas springs

Stretching Force Calculation

sales@gasspringscn.com WhatsApp +8613780014913



Compression Gas Spring

Free type gas spring, most normal gas spring widely use in all industries.

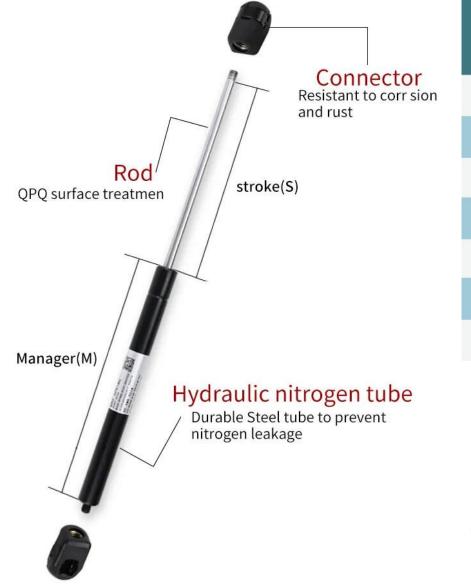
It is mainly for lift or support lid, cover, door or others to open or close. only has two positions of the shortest and the longest ,unable to stop during the travel. In the automotive, textile machinery, printing equipment, office equipment, construction machinery and other industries most widely used.





Compression Gas Spring

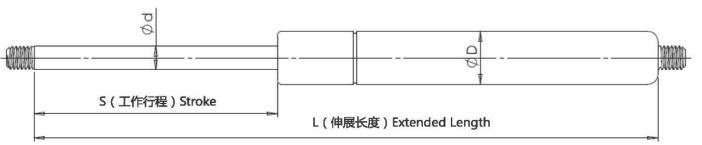
sales@gasspringscn.com WhatsApp +8613780014913



型号	杆径	管径	伸展力值	工作行程
Туре	d	D	F1	S
YQ6-15	6mm	15mm	30~400N	10~200mm
YQ8-18	8mm	18mm	50~700N	10~400mm
YQ10-22	10mm	22mm	100~1150N	10~450mm
YQ12-25	12mm	25mm	200~1500N	10~500mm
YQ14-28	14mm	28mm	300~3000N	30~750mm
YQ16-32	16mm	32mm	500~3000N	50~800mm
YQ20-40	20mm	40mm	800~6000N	100~1000 mm

Note: The size and pressure marked here are products we can produce, not off-the-shelf stock products, we only produce according to customer's order.

If the gas spring you need is not on the list, please contact us to ask if it can be customized or developed!



sales@gasspringscn.com WhatsApp +8613780014913

Lockable Gas Spring

Lock gas spring is for adjust height and degree, generally use for seat & table / desks.

It's incorporates a mechanism to enable the rod to be locked at any point in its travel. This mechanism is actuated by a plunger that protrudes from the rod. When this plunger is depressed the rod is free to operate as normal. When the plunger is released, which may be at any point in the stroke, the rod is locked in that position..

Lockable Gas Spring

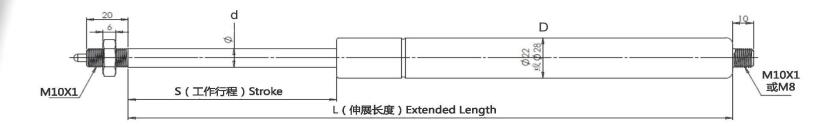


sales@gasspringscn.com WhatsApp +8613780014913

Adjustable With Many Controling Mechanism



系列	杆 径 d	管径 D	伸展力值 F1	工作行程 S
KQ10-22	KQ10-22	22mm	50~800N	1~500mm
KQ10-26	KQ10-26	26mm	50~1000N	1~500mm
KQ10-28	KQ10-28	28mm	50~1000N	1~500mm





KQ10-22系列

		规格型
		KQ10-22-5
	Ť	例: KQ10-22-1
ш		
		规格型
		KQ10-28-5
		,

规格型号	工作行程 S	伸展长度 L(最小)		伸展力值 F1
		弹性锁定 Elastic locking	刚性锁定 Ragid locking	
	10~100mm			50~800N
	101~200mm	2S+55mm	2S+S/3+45mm	50~700N
KQ10-22-S-L-F1N	201~300mm	25+00000		50~600N
	301~400mm			50~300N
	401~500mm			50~200N
別:KQ10-22-100-235-150N	100mm	235mm	/	300N

KQ10-28系列

规格型号	工作行程 S	伸展长度 L(最小)		伸展力值 F1
		弹性锁定 Elastic locking	刚性锁定 Ragid locking	
	10~100mm			60~1000N
	101~200mm	20155000	2S+S/3+45mm	60~800N
KQ10-28-S-L-F1N	201~300mm	2S+55mm		60~600N
	301~400mm			50~300N
	401~500mm			50~200N
例: KQ10-28-100-280-150N	100mm	1	280mm	300N

Lockable gas spring is also called the controllable gas spring.

According to its lock medium is different, can be divided into elastic locking and rigid locking two kinds big. Elastic locking medium for gas, and rigid locking of medium is liquid, because of the liquid incompressibility, gas spring lock after get a relatively high locking force value, displacement can be ignored, so vividly called rigid targets.

Because of the different structure, rigid locking gas spring can make the drawing direction, rigid locking compression direction and a variety of ways, such as two-way rigid locking. In order to meet the requirements of the use of different working conditions.

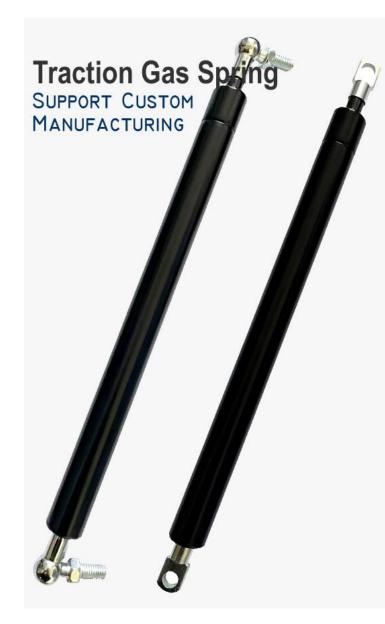
Traction Gas Spring

Traction gas spring is not standard gas spring, all need to be customs.

The original state of compression, by tensile force outward expansion. Before pulled, the piston rod end is at the shortest position to cylinder, the gas spring is shortest, when we pull gas spring , the postion rod end become longer and run to the longest position. Traction gas spring is also has the types of freedom & self-locking, and others.

Traction Gas Spring





Size (d/D)	Stroke Range (A)	Force Range	K-Factor	Extended Length (B)	Materials
6/18	30 – 300 mm	100-600 N	1.55	2 X Stroke + 85 mm	Steel / Stainless
8/22	30 – 400 mm	200-1000 N	1.6	2 X Stroke + 85 mm	Steel / Stainless
10/28	30 – 500 mm	300-1500 N	1.6	2 X Stroke + 100 mm	Steel / Stainless
14/40	50 – 500 mm	500-3500 N	1.7	2 X Stroke + 100 mm	Steel / Stainless



sales@gasspringscn.com WhatsApp +8613780014913



Spring Gas Locking Terminal

Terminal Locking Gas Spring

Compression terminal self-locking/Pop out type Gas Spring is a special gas spring

Which is based on the compression type gas spring with a locking device, so that the locking device at the travel terminal can slide into the stop sleeve and lock, and then continue to compress downward (about 10mm), so that the locking button turns to slide toward the notch of the stop sleeve, and the gas spring can extend out by itself, realizing the self-locking at the travel terminal. The self-extension effect is pressed again.

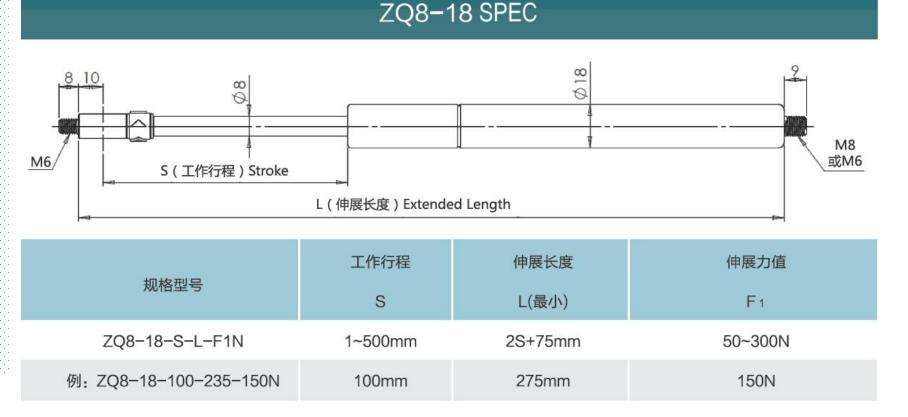
sales@gasspringscn.com WhatsApp +8613780014913

Terminal self-locking gas spring is a special gas spring which we designed and use for special application scenarios. We have a strong ability to

develop new product, but it's

need a proper quantity to

support the job.







Stainless Steel Gas Springs

Size (d/D)	Stroke Range (A)	Length (L)	Force Range	Materials
4/12	10–100 mm	60-300 mm	20-200 N	SS304 / SS316
6/15	40-110 mm	150-300 mm	30-300 N	SS304 / SS316
8/18	40-250 mm	150-600 mm	30-500 N	SS304 / SS316
10/22	60–400 mm	200-900 mm	50-1000 N	SS304 / SS316



We custom produce stainless steel gas spring from SS304 & SS316, if you need specs not in the list, please contact us to check.

Special Gas Springs

We also custom produce free stop type, three section type, double direction type, or any other special gas spring would also be developed.



Double Direction Gas Spring

Hydraulic Shock Damper

Hydraulic damper

Hydraulic Damper is widely using in the automotive, fitness equipment and medical equipment, which is characterized by resistance to change with the speed of operation. it's has visible buffering function to the connected systems.

Dampers are mainly used as a buffer role, it's biggest feature is the force of gas spring changed by travel speed change. when the action point which guided by outside force to the gas spring with a fast movement, the gas spring's resistance will increase. and when the point of movement is very slow, virtually almost no resistance.

Hydraulic Shock Damper

sales@gasspringscn.com WhatsApp +8613780014913



We custom hydraulic shock damper with standard sizes of cylinder & piston pole, we need to check drawing then to see if need customer provide sample to test then can develop.



Gas Spring Fittings

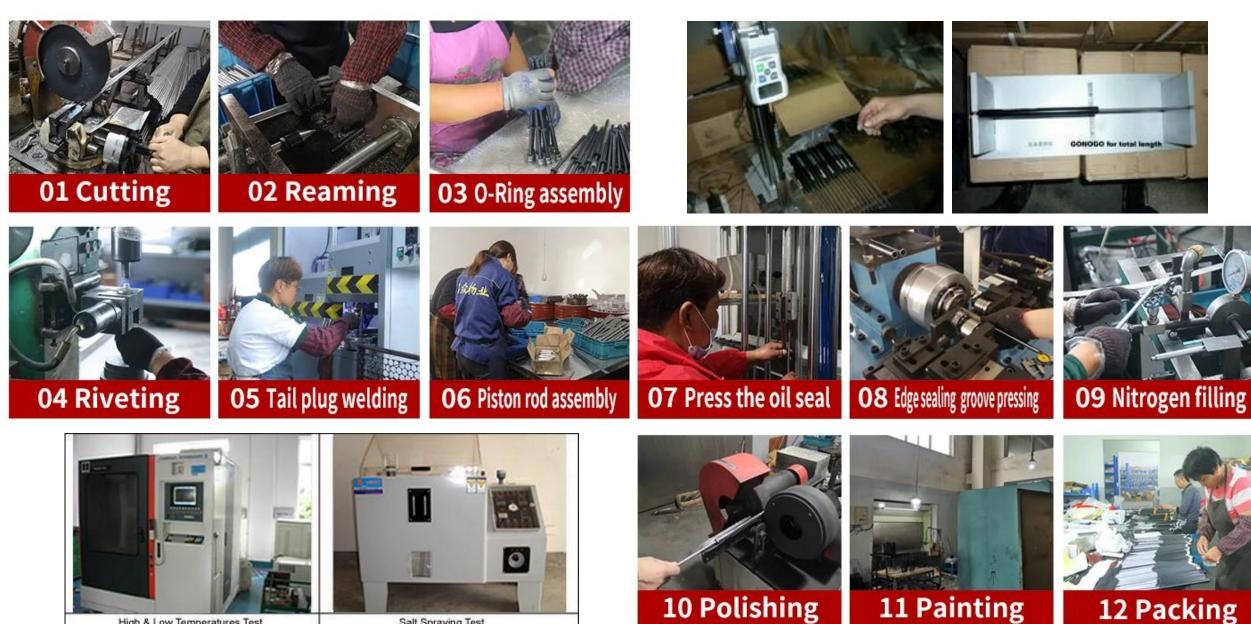
sales@gasspringscn.com WhatsApp +8613780014913

Here not shows the all end connecters, we can find all other connecters on the market.



Production Process & Inspection

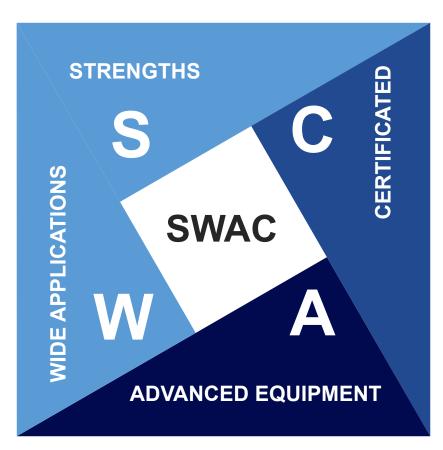
sales@gasspringscn.com WhatsApp +8613780014913



High & Low Temperatures Test

Salt Spraying Test

Our Advantages



Strong Technology

The company has strong experienced team of technical force, professional and technical personnel and advanced management philosophy.

Advanced Equipment

Into the advanced testing equipment, each product before leaving the factory are strictly tested to ensure that the hands of customers are qualified products

Cetificated

Passed a number of certifications: ISO-9001 & TS16949 Quality Management system certification, SGS third party quality testing, TUV certification.

Wide Applications

Product specifications complete, widely covered areas, passenger cars, trucks, luxury cars, industrial equipment (need to shock, apply pressure to adjust the height of the equipment)

CERTIFICATION





a D SGS SGS or of the interacted by Test Report Autoritation of the Institution Anna Lotta Test Report No. 3074, 200806, Sport Down Nov 28, 2027 Fage 1 of 2 endede (stans fullenting of units) 6 fullet database is realization of the 20st linear is and 1 for sealance control fullences CONTRACTOR DATA SPREAD OF COMPANY AND A SPREAD A SPREAD OF COMPANY AND A SPREAD A 实用新型专利证书 ne sere las fais de la constante de constante en particular de la constante de particular de la constante de la Registra constante de la constante de las constantes de la constante de la constante de la constante de la const artitical on harbort of the closed as 644 (1993) 1994 - 14, 2003 1994 - 14, 2003 STREET, STREET, -1.41.61.88 and Participan Side No. 10. 1020 in Fry 38, 2020 children barrier as despendent by martine Test Result Barnton's T AL TO BE THE L PARTIES OF Reading Street and Str Ind Read Lorent ------Tata Reporter Availat Converts level all y level 1 Des arrig Arrielles ent. Ta Unite medit, stante alle la fill Ulterrig angest. 1. To follow insult, please ofer is the following support. st. more representation approximation WHERE IS NOT THE REPORT OF THE REPORT OF THE REPORT OF ABDOTABANT DAADERCONTER. BERTED. BERT STREAMERSCHLEITURE, BREAMERSCHLEN, BURRENT A. STREAM. Support for and all indicate of the same functions for that the same finances for the sa Bynet for and initial Bunde Branch Bills (3170 Dr. 1.M. 12 Araly s-de to Ed Party Automatics MORE ADDRESS OF THE OWNER. 中午雨 现有 *** * a b al Do a Th CTI集團根源 3 Test Report LAF ACM Report No. MONTROLING Date: Describer 14, 2018 Page 18 調 Test Report IN DECEMBER AND LOCATE AND NAME AND ADDRESS ADDRE Certificate of Registration and by 1. Although the second heart Appliest INFORMATING THE ADDRESS OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION ADDRESS OF A DESCRIPTION ADDRESS OF A DESCRIPTION ADDRESS in the later that and the life in the short in This is to carlify that the Quality Wanapersont System Sangki Nama desidents. Prate December (3, 10% to December (4, 10%) Prate December (3, 10%) to December (4, 10%) Please other to concurance) DONGQUAN JHILI GAS SPRING CO. LTD Reported Address Hongling Industrial Zone, Sherikitang Wilage Qishi Town, Dongguan Cauchyring Wege IA, 2420 Wege JA, 2420 Inter A, 2020 where the strategies Provide Advanced to Construct a West Construct Format National Telefond Construction Development and the Construct Provide Telefond Research Construction (Provide Construct Provide Telefond Research Construct Provide Construct Provide Telefond Research (Construct Provide Construct Provide) Careheire Mongling Industrial Zone, Shenasang Wilage Qish Yown, Dongguan, Guangdong, China An approximative allows, we can be address of the contracting of the c Fast Beigneite 19.00 Has been independentity assessed and i compliant with the requirements of Pulphersonal (Sphered Times (Phillips) 1997) in Residential scriptures Statute. Name and a statute statute and the bardest (50 9001:2015 For the lithoung upper of activities 11.11 Design, Production and Sales of Cas Springs and Damping Buffers Read Toroph Arresting to the -Add. Sandres MI (ADD) with Certificate Number 1840W11030 And and Address of Concepts P+10 simulation (TEX Dollars) tions of points interpretations from of this cartificities (CEDERS VIEC) orders and the second internet and to be set of both bases in the set of the Jun why and Pori Xin J. Hallowski Aux 4.3020 $S_{i}^{i} \in S_{i}^{i}$ No. Transferred to design a share with shares secure of



Contact

Ningbo Winson Machinery Products Co., Ltd. Add: (14-16),No.26,Building 4,Oriental Business Center, Yinzhou,Ningbo,Zhejiang,China 315100 Tel:+86 13780014913 Fax:+86 0574 28900031 Email: <u>sales@gasspringscn.com</u> www.gasspringscn.com

Wechat

WhatsApp





WELCOME CHOOSE US AS YOUR SUPPLIER & BUILD A BUSINESS RELATIONSHIP BASE ON "FRIEND & MUTUAL BENEFIT"





WINSON MACHINERY PRODUCTS THANKYOU

Ningbo Winson Machinery Products Co., Ltd Ningbo Cospl Pneumatic & Hydraulic Components Co., Ltd Yangzhou Uli Gas Spring Technology Co., Ltd