



GASAN[®]
Gas Springs



**LEADER IN GAS SPRINGS
MANUFACTURING**



GASAN
gas springs

GASAN
gas springs

YOUR SOLUTION PRODUCER

About us

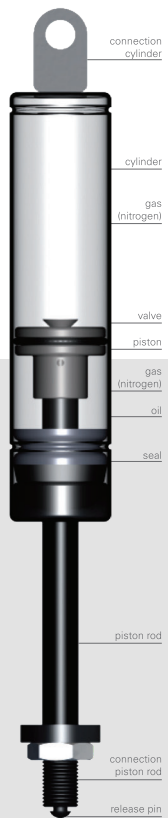
Gasas Gas Spring Co. is a gas spring specialist manufacturer which produces with European standards and serving customised solutions for industry. Since 2009, Gasas has proven engineering capacities resulting in a perfect balance between experience, affordable price and high quality.

For many years, gas springs have been considered essential mechanical components for a wide range of applications in various industries in worldwide. Gas springs are used wherever loads need to be moved in a controlled manner. Gas springs store energy to balance all kind of weights, making it easy to move the load.

On our 6000 open and 4350 sqm closed area in Bursa - TURKEY, we are manufacturing our products with our own R&D, excellent knowledge of engineering and high production technologies. All our gas springs are produced and tested according to ISO9001 standarts. This is why GASAN can promote itself as the supplier of solutions on the Worldwide market and why our renowned customers choose GASAN. With our innovative solutions by taking customer satisfaction as our priority, our gas springs are used safely and sustainably all over the world with the brands "GASAN" and "MG".

Having a human-oriented mission, Gasas uses recyclable raw materials as much as possible, in line with being respectful to the environment and nature. That is why; The most important legacy that we can leave to future generations is that our existing world is livable. Having a regular work flow, Gasas applies very fine quality policies in all production processes. Gasas Gas Spring has an establishment vision that has adopted the principle of producing qualified products.

Blocklift



Blocklift

Working Principal

The gas spring is a hydropneumatic adjustment element, consisting of a pressure tube and piston rod with specially designed piston with valve. A special seal and guide system seals off the tube. The gas spring is filled with 100% compressed nitrogen. The filling pressure acts on the cross sectional area of the piston rod and produces an extension force, which can be selected within physical limits. The diameter, number and length of the cross rows in the piston determine the velocity of the extension speed. The damping performance of a gas spring can be adjusted to need and task.

Materials

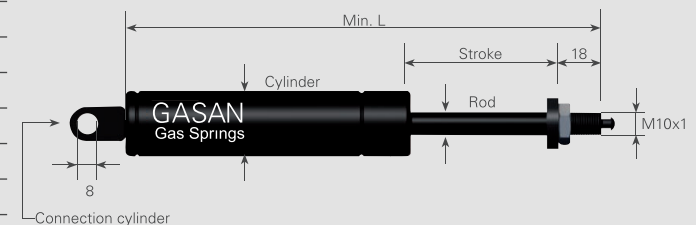
As standard all cylinders are nano phosphated and painted black. All piston rods are nitrated, which gives the ne satin black colour. Because of this treatment, all gas springs have a minimum of 144 hours of corrosion resistance and comply with the DIN50021 salt spray test.

Locking

When the valve in the piston is closed, the gas spring is locked in any desired position. Rigid or elastic can be achieved by adjusting the oil amount or adding a separator piston.

Elastic

Type		0822 BLE	0828 BLE	1022 BLE	1028 BLE
Force	N	50-700	50-700	80-1200	80-1200
Stroke	mm	10-250	10-250	10-400	10-400
Cylinder	mm	22	28	22	28
Rod	mm	8	8	10	10
Min. L	mm	2x stroke+70	2x stroke+70	2x stroke+70	2x stroke+70
Connection cylinder		Eyelet / M8	Eyelet / M8	Eyelet / M8	Eyelet / M8
Stainless		-	-	Possible	Possible
Locking		Elastic	Elastic	Elastic	Elastic
Locking in compression /		0 /	0 /	0 /	0 /
maximum load	N	6.500	10.000	6.500	10.000
Locking in extension /		0 /	0 /	0 /	0 /
maximum load	N	3.500	7.000	3.500	7.000



Rigid

Type		0822 BL	0828 BL	1022 BL	1028 BL
Force	N	60-700	60-700	100-1000	100-1000
Stroke	mm	10-250	10-250	10-400	10-400
Cylinder	mm	22	28	22	28
Rod	mm	8	8	10	10
Min. L	mm	2,5x stroke +75	2,5x stroke +75	2,5x stroke + 80	2,5x stroke +80
Connection cylinder		Eyelet / M8	Eyelet / M8	Eyelet / M8	Eyelet / M8
Stainless		-	-	Possible	Possible
Locking		Extension	Extension	Extension	Extension
Locking in compression / maximum load	N	5,6xF1 / 6.500	9xF1 / 6.500	3,6xF1 / 6.500	5,8xF1 / 10.000
Locking in extension / maximum load	N	2.250 / 2.250	4.500 / 4.500	3.500 / 3.500	7.000 / 7.000

Rigid

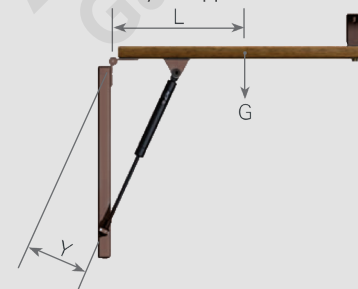
Type		0822 BLC	0828 BLC	1022 BLC	1028 BLC	1028 BL2
Force	N	60-700	60-700	100-1000	100-1000	100-1000
Stroke	mm	10-250	10-250	10-400	10-400	10-400
Cylinder	mm	22	28	22	28	28
Rod	mm	8	8	10	10	10
Min. L	mm	2,7x stroke +75	2,7x stroke +75	2,5x stroke +80	2,5x stroke +80	2,5x stroke +80
Connection cylinder		Eyelet / M8	Eyelet / M8	Eyelet / M8	Eyelet / M8	Eyelet / M8
Stainless		-	-	Possible	Possible	Possible
Locking		Compression	Compression	Compression	Compression	Rigid in both
Locking in compression / maximum load	N	6.400 / 6.400	6.400 / 6.400	10.000 / 10.000	10.000 / 10.000	10.000 / 10.000
Locking in extension / maximum load	N	2,9xF1 / 2.250	5,1xF1 / 4.500	2,6xF1 / 3.600	4,8xF1 / 7.000	10.000 / 10.000

Elastic

Type		0828 BVLE	1028 BVLE	0828 BVLC	1028 BVLC
Force	N	100-1000	100-1000	100-1000	100-1000
Stroke	mm	10-400	10-400	10-400	10-400
Cylinder	mm	28	28	28	28
Rod	mm	8	10	10	8
Min. L	mm	2x stroke +70	2x stroke +70	2x stroke +70	2x stroke +70
Connection rod		Eyelet / M8	Eyelet / M8	Eyelet / M8	Eyelet / M8
Locking		Elastic	Elastic	Compression	Compression
Locking in compression / maximum load	N	0 / 3.500	0 / 5.000	5.000 / 5.000	2.000 / 2.000
Locking in extension / maximum load	N	0 / 3.500	0 / 5.000	1,5xF1 / 1,5xF1	3xF1 / 3xF1
Mounting position		Rod down	Rod down	Rod down	Rod down
Colour		Standard black / RAL	RAL	RAL	RAL

Rigid

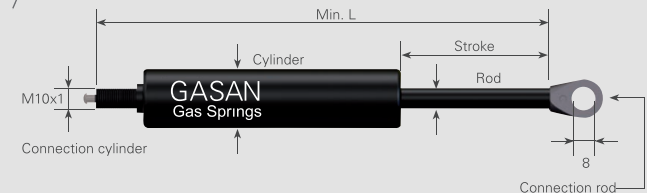
Calculating the right gas spring for your application



- F1 Force of gas spring
- G Weight of ap
- L Center of gravity
- Y Working arm of gas spring
- Z Quantity of gas springs

$$F1 = \frac{G \times L}{Y \times Z} + 10\%$$

1 Kg = 9,81N



Blocklift

WARNING: Because of high pressure inside of tube, please dont open or damage or modify the gas spring.

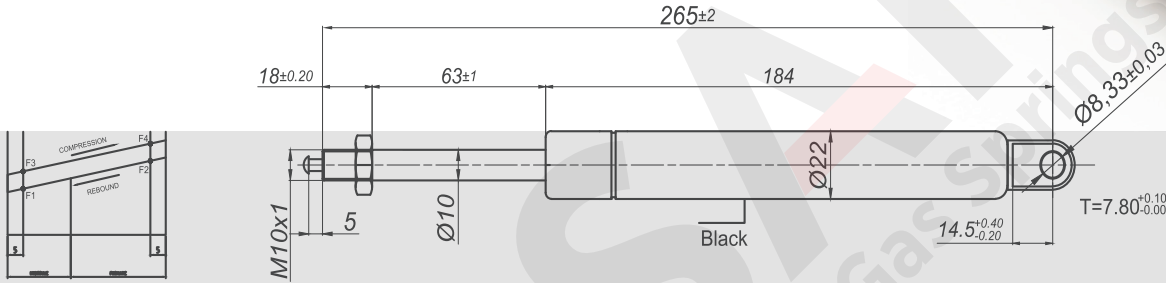
Drawing scale is not true.

Piston rod should be protected from damage, dirty and paint.

Operation temperature range is -30°C and $+80^{\circ}\text{C}$

Paint colour is BLACK

Printing colour is WHITE



$F1=500N$ $+50N$
 $-25N$

AÇMAYINIZ! YÜKSEK BASINÇ!
GASAN DO NOT OPEN! HIGH PRESSURE!
500N xx xx xx 1022 BL 101002

Reference Number / Referans No		<h1>GASAN</h1>			
Drawing Number / Resim No					
Revision Number / Değişiklik No		04		BLOK LIFT GAS SPRING Undefined Tolerances acc. to/ Belirtilmeyen Toleranslar ± 0.5	
Drawn by / Çizen		14.09.2017			
Designed by / Tasarlayan		14.09.2017			
Approved by / Onaylayan		14.09.2017			
Scale / Ölçek		Form		1022 BL 101002	
<h1>1:1</h1>		A4			
MG Code / MG Kodu		Customer Code / Müsteri Kodu			

End Fittings and Release Systems

GCM 6286	GCM 8286	ZM 1367	GDM 30138	GCM 8288	CM 3216	ZM 1633
						
ZM 1635	GKB 10810	GKB 13815	GDM 30138	GDM 1806	GDM 1808	GDM 1806 GKB 10810
						
GKB 10810 GKB 10810	ZM 1366	CM 24126	24126 Security clip	3216 Security clip	ZM 9030 8 mm	ZMLA -ST 8 mm (ratio 1:10)
						
ZM 9090 with handle 8 mm lever 230mm	GCM 8286	ZM 1633	ZM 1635	GPM 151 GKB 10810	CM 3216	3216 Security clip
						
						

All cables on request

SERTİFİKA • CERTIFICATE • ASCERT • ZERTIFIKAT • CERTIFICAT



SERTİFİKA

Bu Sertifika,

GASAN GAZLI AMORTİSÖR İNŞAAT SANAYİ VE TİCARET LİMİTED ŞİRKETİ

Alaaddinbey Mahallesi Pazar (380) Caddesi No:10/1 Nilüfer/BURSA

kuruluşunun,

Muhtelif Amortisör Parçaları ve Gazlı Amortisör Makinaları İmalatı

IAF/EA Kod: 22
kapsamında,

ISO 9001:2015

Kalite Yönetim Sistemi Standartının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.

İlk Yayın Tarihi	: 25.02.2021
Belge Tarihi	: 25.02.2021
Belge Periyodu	: 3 Yıl
Sertifika Bitiş Tarihi	: 24.02.2022
Sertifika No	: KQ.2021.1375





MSCB-223

Best Quality Services
Sertifika Onayı



BQS BELGELENDİRME VE DİĞER HİZMETLERİ LİMİTED ŞİRKETİ
Mahalle: 7150008 No:33 Tuna Sokakı 8 Blok Kat:2 Çekirge Alanı/Ünye
Tic. Sic. No: 22 Kat: 022 025 81 22 e-mail: info@bqs.com.tr
ASCERT KQ. BELGELENDİRME ve HİZMETLERİ



GASAN GAZLI AMORTİSÖR İNŞ.SAN. VE TİC.LTD.ŞTİ

ALAADDİNBİY MAH.PAZAR (380) CAD.NO:10/1
NİLÜFER/BURSA

American Global Standards, LLC issues this certificate to the firm named above, having, assessed and approved the firm's management systems and finding the system conforms to the standards of


IATF 16949:2016


The management system is applicable to the following:

Gas Shock Absorber, Oil Shock Absorber, Air Shock Absorber, Suspension Shock Absorber, Spare Parts Production and Trade Gazlı Amortisör, Yağlı Amortisör, Havalı Amortisör, Süspansiyon Amortisör Yedek Parça Üretimi ve Ticareti

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Quality System Assessment Agreement.


Certification Number:	AGS/T/061421-1
Original Approval	June, 14, 2021
Date of Issue	June, 14, 2021
Date of Expiration	June, 13, 2022





For and On Behalf of American Global Standards, LLC

Bitiş Sistem, R. Tongar Caddesi 11 34841 İstanbul, Türkiye
Tel: & Fax: 0216 388 6920
E-mail: kalicerit@gmail.com



1187 Coast Village Road, Suite #405, Montecito, CA 93108 USA
Tel: 617-438-4642 • 805-995-1725
www.americanglobal.com • info@americanglobal.com



GASAN GAZLI AMORTİSÖR LTD. ŞTİ.

Alaaddinbey Mh. Pazar Cd. No.10/1
Nilüfer / BURSA / TÜRKİYE 16285



+90 224 494 27 26 - 27

+90 224 494 27 29



info@gasan.com.tr

satis@gasan.com.tr

export@gasan.com.tr

www.gasan.com.tr

