



**GASAN**<sup>®</sup>  
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 standards. 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".

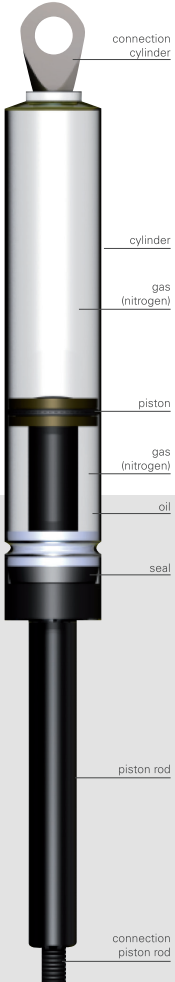
Having a human-oriented mission, Gasas uses recyclable raw materials as much as possible, in line with being respectful to the environment and nature. That is why; The most important legacy that we can leave to future generations is that our existing world is livable. Having a regular work flow, Gasas 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.



**GASAN** DO NOT OPEN HIGH PRESSURE  
USE WITH LOCKING APARATUS  
Gas Spring 300N



Lift



## Working Principal

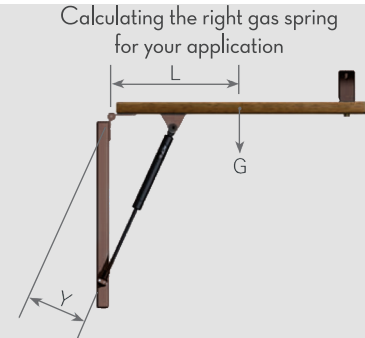
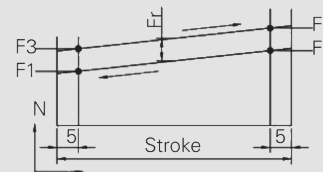
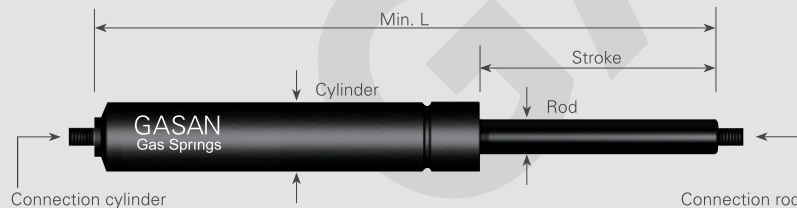
The gas spring is a hydropneumatic adjustment element, consisting of a pressure tube and piston rod with specially designed piston. A special seal and guide system seals off the tube. The gas spring is filled with 100% compressed nitrogen. The filling pressure acts on the cross sectional area of the piston rod and produces an extension force, which can be selected within physical limits. The diameter, number and length of the cross ows 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. Consequently, all gas springs have a minimum of 144 hours of corrosion resistance and comply with the DIN50021 salt spray test.

Type		0412	0615	0818	1021 - 1022	1428
Force	N	20-200	40-400	50-700	150-1200	200-2500
Stroke	mm	20-120	25-200	30-300	50-500	50-500
Cylinder	mm	12	15	18	21-22	28
Rod	mm	4	6	8	8-10	14
Min. L	mm	2x stroke+25	2x stroke+35	2x stroke+45	2x stroke+50	2x stroke+60

\* All gas springs are available with welded eye lets



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

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

$$1 \text{ Kg} = 9,81\text{N}$$

**WARNING:** Because of high pressure inside of tube, please don't open or damage or modify the gas spring.

Gasan gas springs are tested piston rod down.

Drawing scale is not true.

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

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

Paint colour is BLACK

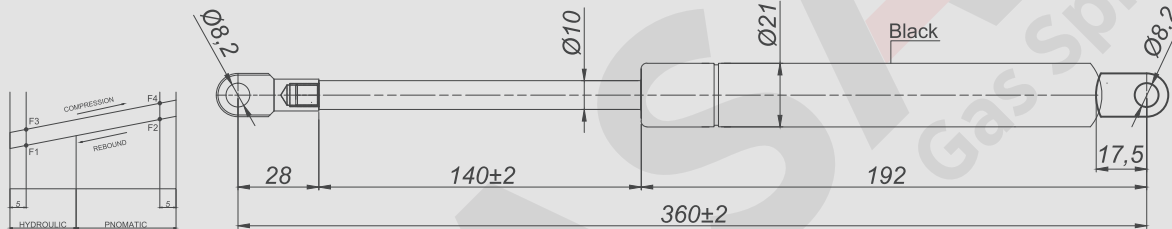
Printing colour is WHITE



**GASAN**

UWAGA WYSOKIE CIŚNIENIE!  
HIGH PRESSURE!  
HAUTE PRESSION!  
HOHER DRUCK!

**750N**



Reference Number / Referans No		<b>GASAN</b>			
Drawing Number / Resim No					
Revision Number / Değişiklik No	00	Date / Tarih	Signature / İmza	Material / Malzeme	Undefined Tolerances acc. to/ Belirtilmeyen Toleranslar
Drawn by / Çizen		12.03.2019		<b>LIFT GAS SPRING</b>	
Designed by / Tasarlayan		12.03.2019			
Approved by / Onaylayan		12.03.2019			
Scale / Ölçek	Form	1021 L 586002			±1
<b>2:1</b>	A4				
MG Code / MG Kodu		Customer Code / Müsteri Kodu			

F1: 750N  
Damping: 30mm

STATİK	DİNAMİK
X	
F1(N)	750N
Min:	720N
Max.	825N



# 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

**ASCERT**  
Certification

## 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

Best Quality Services  
Sertifika Onayı

*Ölç*

**BQS BELGELENDİRME VE DİĞER HİZMETLERİ LİMİTED ŞİRKETİ**  
Mahalle: 71530086 No:33 Fıstık Sokakı 8 Blok Kat:2 Çekirge Alanı/Düziçi  
Tel: 0322 254 89 32 Fax: 0322 252 89 32 e-mail: info@bqs.com.tr  
ASCERT KQ. BELGELENDİRME ve DİĞER HİZMETLERİ LİMİTED ŞİRKETİ

**IAF**  
INSTITUTIONAL AFRICA  
ACCREDITED

**IAS**  
ACCREDITED  
INTERNATIONAL

MSCB-223



**ISO 9001**  
AMERICAN GLOBAL STANDARDS™  
16949  
CERTIFIED

**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

*Ölç*

**AIAO-BAR**  
\*\*\*\*\*  
QMS  
ACCREDITED

Bilim Sistem, R. Tongar Caddesi 11 34841 İstanbul, Türkiye  
Tel & Fax: 0216 388 6920  
E-mail: bilisistem@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

