



**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 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.



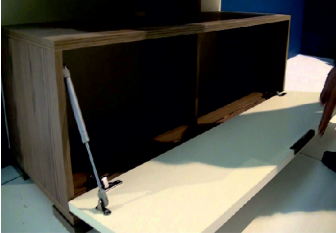
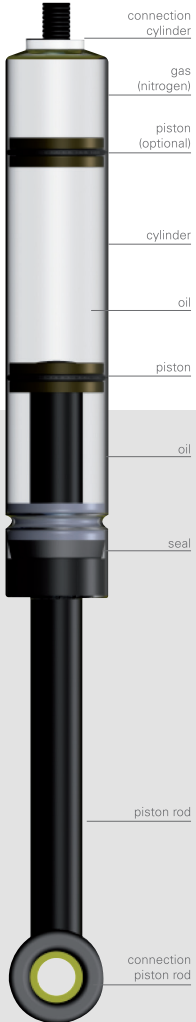
**GASAN** DO NOT OPEN HIGH PRESSURE  
USE WITH LOCKING APARATUS  
Gas Spring 300N





**Damper**

# Damper





## Working Principal

The damper is an energy absorbing device, consisting of a (pressure) tube and piston rod with a specially designed piston with valve. A seal and guide system seals the tube. The damper is filled with oil and/or nitrogen. When the piston rod moves by external forces, the oil is pushed through the valve(s) of the piston which creates resistance to control the movement. This resistance can be adjusted according to the needs of the application in pull or push direction of the piston rod. This requires a special layout of the piston(s).

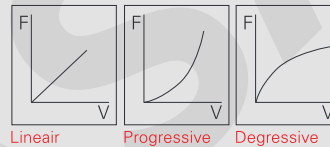
### Forces

Our dampers can also be atted with an extension force, similar to a gas spring for special purposes. Damper forces are given as N/mm/sec(damp) force for a certain piston rod speed. Our dampers can generally be adjusted to have a linear, progressive or degressive characteristic. Other characteristics can be designed on request.

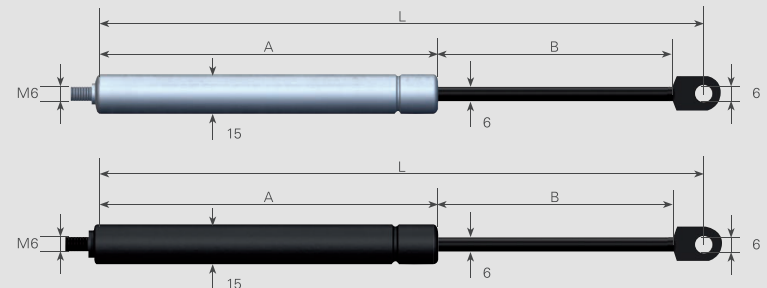
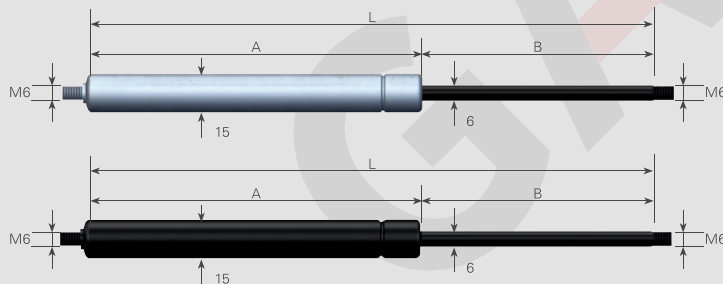
### Materials

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

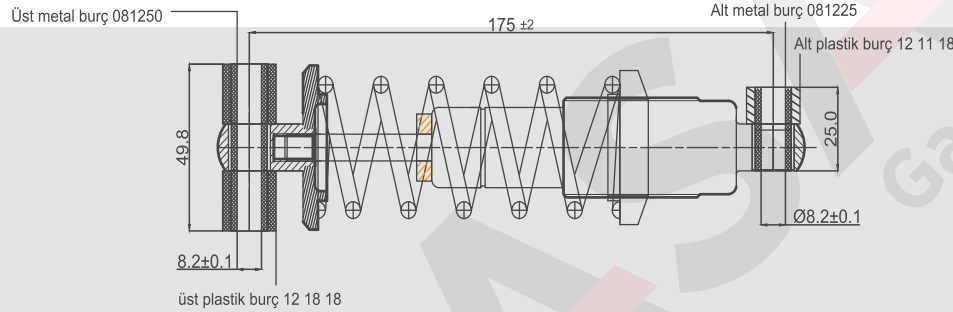
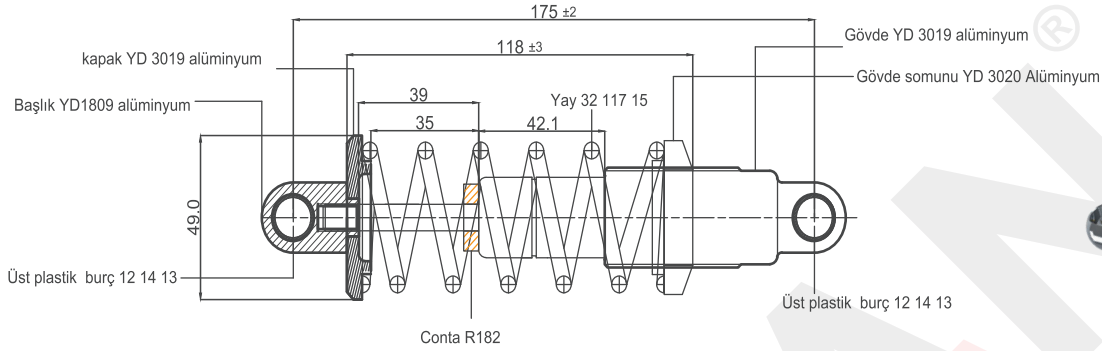
A	B	L	Colour
172	137	309	RAL 9005 black
172	137	309	RAL 9006 alu
116	92	208	RAL 9005 black
116	92	208	RAL 9006 alu
73	48	121	RAL 9005 black
73	48	121	RAL 9006 alu



A	B	L	Colour
172	142	325	RAL 9005 black
172	142	325	RAL 9006 alu
121	92	224	RAL 9005 black
121	92	224	RAL 9006 alu
78	46	135	RAL 9005 black
78	46	135	RAL 9006 alu



# Damper



0824-D00351750015N01

Yay 15N/mm 32 117 15

Reference Number / Referans No		25.09.2009 dated drawing		<h2>GASAN</h2>		
Drawing Number / Resim No		TASLAK00				
Revision Number / Değişiklik No		01		Date / Tarih	Signature / İmza	Material / Malzeme
Drawn by / Çizen				25.09.2009		<b>DAMPER</b>
Designed by / Tasarlayan				25.09..2009		
Approved by / Onaylayan				25.09.2009		
Scale / Ölçek	Form			0824 SA 504006		Undefined Tolerances acc. to/ Belirtilmeyen Toleranslar  ±0.5
<b>2:1</b>	A4			MG Code / MG 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

**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/Ünye  
Tic. Sic. No: 329900 / Şişli / İstanbul / Türkiye  
E-posta: info@bqs.com.tr  
www.bqs.com.tr

ASCERT KQ BELGELENDİRME YETKİLİ VE MÜHÜRÜ

KURUMUNUN MÜHÜRÜ

IAF  
INSTITUTIONAL ASSOCIATION  
OF ASSURANCE

IAS  
ACCREDITED  
MEMBER

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*

Bilim 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 & 805-965-1725  
www.americanglobal.com & info@americanglobal.com

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





**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

