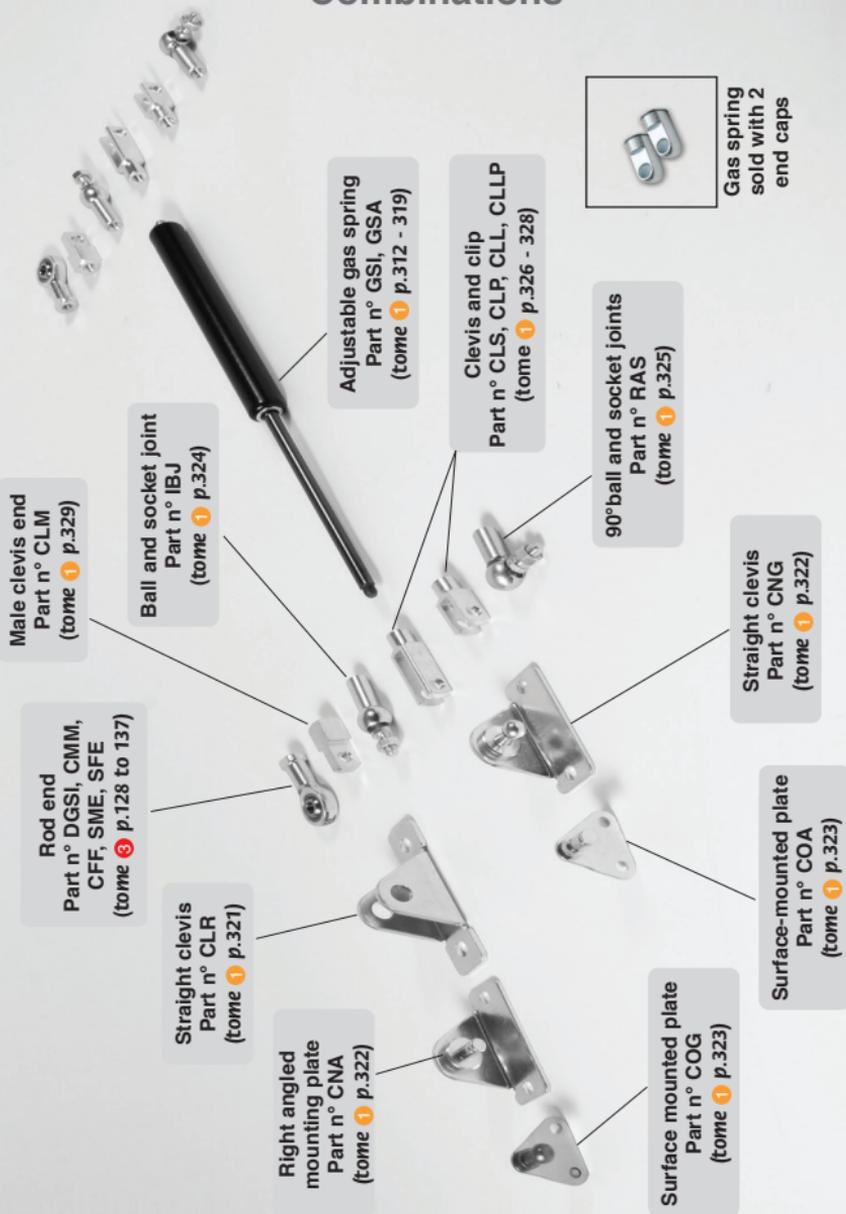


Accessories for gas springs

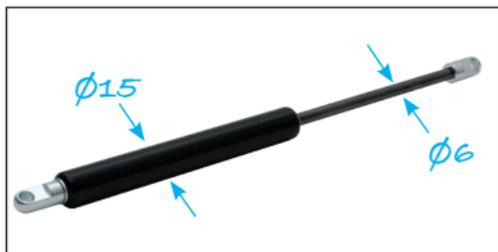
Combinations



- Gas spring

- Works in compression (push mode)
- Integrated valve
- Progressivity: about 27%
- Speed and damping:
Normal speed, medium damping
over 10mm approximately
- Operating temperature: -30°C to + 80°C
- Materials:

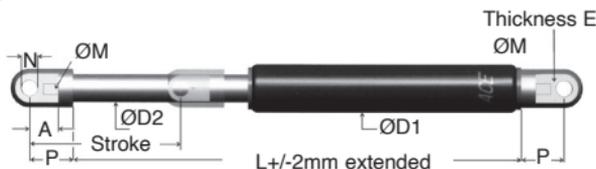
Steel rod ceramic coated (corrosion
resistance 216h according
to DIN50021SS)
Steel body black epoxy paint



Important: Spring must be
mounted with piston
pointing down.

Adjustment

- The gas spring are inflated
to the force indicated
- Let gas escape through the decompression
valve using the adjustment screw to obtain
the desired force.



CAUTION: Once the gas has been released,
spring cannot be refilled

Use

- Facilitate opening and closing
of a bonnet or boot
- Additional effort



Setting the force with the adjustment screw

DISCOUNTS Gas spring

Qty	1+	3+	6+
Disc.	List	-10%	On request

DISCOUNTS Adjustment screw

Qty	1+	3+
Disc.	List	On request

Part number	Stroke	L	ØD1	ØD2	ØN	A	P	E	ØM	Force (N)	Stock*	Price each
											✓	
GSA-15-60A	60	147	15	6	6,1	10	16	6	M5	400	✓	96,40 €
GSA-15-100A	100	227	15	6	6,1	10	16	6	M5	400	✓	100,82 €
GSA-15-150A	150	327	15	6	6,1	10	16	6	M5	400	✓	102,21 €
GSA-15-200A	200	427	15	6	6,1	10	16	6	M5	400	✓	111,04 €

Adjustment screw

GSI-15-U5	For gas springs GSA-15 and GSI-15	✓	21,26 €
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*Depending on availability - Dimensions in mm

Adjustable gas spring Øcylinder 19mm

GSA19

Adjustable force up to 700N

- Gas spring

- Works in compression (push mode)
- Integrated valve
- Progressivity: about 40%
- Speed and damping: Slow speed, strong damping over 20mm to 60mm approximately depending on the stroke.
- Operating temperature: -30°C to + 80°C
- Materials:

Steel rod ceramic coated (corrosion resistance 216h according to DIN50021SS)

Steel body black epoxy paint

Important: Spring must be mounted with piston pointing down.

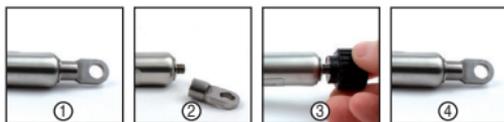
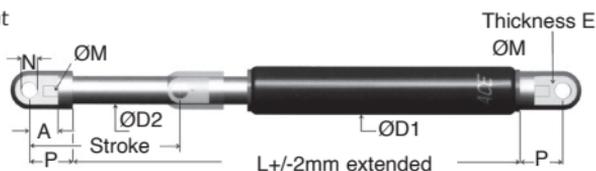
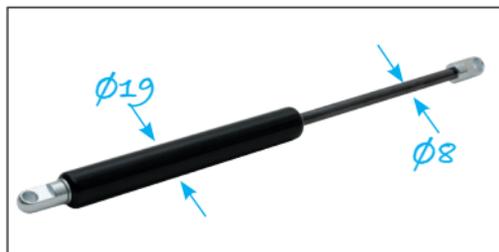
Adjustment

- The gas spring are inflated to the force indicated
- Let gas escape through the decompression valve using the adjustment screw to obtain the desired force.

CAUTION: Once the gas has been released, spring cannot be refilled

Use

- Facilitate opening and closing of a bonnet or boot
- Additional effort



Setting the force with the adjustment screw

DISCOUNTS Gas spring

Qty	1+	3+	6+
Disc.	List	-10%	On request

DISCOUNTS Adjustment screw

Qty	1+	3+
Disc.	List	On request

Part number	Stroke	L	ØD1	ØD2	ØN	A	P	E	ØM	Force (N)	Stock*	Price each
GSA-19-100A	100	264	19	8	8,1	10	20	10	M8	700	✓	109,88 €
GSA-19-150A	150	364	19	8	8,1	10	20	10	M8	700	✓	111,97 €
GSA-19-200A	200	464	19	8	8,1	10	20	10	M8	700	✓	114,76 €
GSA-19-250A	250	564	19	8	8,1	10	20	10	M8	700	✓	118,94 €

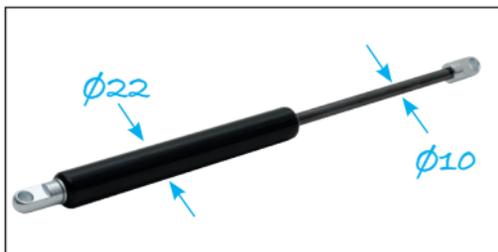
Adjustment screw

GSI-22-U8	For gas springs GSA-19, GSA-22 and GSI-22	✓	21,52 €
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*Depending on availability - Dimensions in mm

- Gas spring

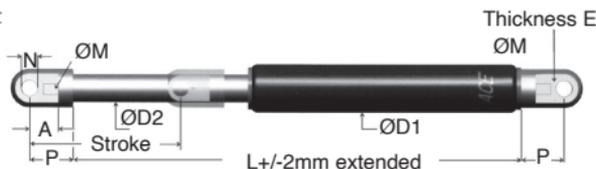
- Works in compression (push mode)
- Integrated valve
- Progressivity: about 45%
- Speed and damping: Slow speed, strong damping over 20mm to 70mm approximately depending on the stroke
- Operating temperature: -30°C to + 80°C
- Materials:
 - Steel rod ceramic coated (corrosion resistance 216h according to DIN50021SS)
 - Steel body black epoxy paint



Important: Spring must be mounted with piston pointing down.

Adjustment

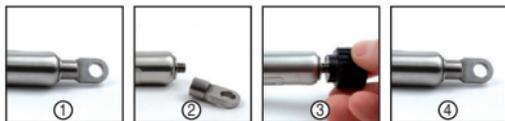
- The gas spring are inflated to the force indicated
- Let gas escape through the decompression valve using the adjustment screw to obtain the desired force.



CAUTION: Once the gas has been released, spring cannot be refilled

Use

- Facilitate opening and closing of a bonnet or boot
- Additional effort



Setting the force with the adjustment screw

DISCOUNTS Gas spring

Qty	1+	3+	6+
Disc.	List	-10%	On request

DISCOUNTS Adjustment screw

Qty	1+	3+
Disc.	List	On request

Part number	Stroke	L	ØD1	ØD2	ØN	A	P	E	ØM	Force (N)	Stock*	Price each
GSA-22-100A	100	264	22	10	8,1	10	20	10	M8	1300	-	112,43 €
GSA-22-150A	150	364	22	10	8,1	10	20	10	M8	1300	-	114,29 €
GSA-22-200A	200	464	22	10	8,1	10	20	10	M8	1300	✓	119,40 €
GSA-22-250A	250	564	22	10	8,1	10	20	10	M8	1300	✓	121,03 €

Adjustment screw

GSI-22-U8	For gas springs GSA-19, GSA-22 and GSI-22	✓	21,52 €
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*Depending on availability - Dimensions in mm

Stainless steel gas spring



GSI

Fixed force from 50 to 400N

- Stainless steel gas spring

- Materials:

Body/rod: stainless steel

Rod-end: stainless steel

- Works in compression (push) mode

- Refilling fluid: nitrogen oil

- Working temperature: -20°C to 80°C

- Operating Fluids: Nitrogen gas and oil

- Damping length (with oil)

Size 6: approx 10mm

Size 10: approx 20mm

- Filling tolerance: -20N to +40N

Important: Spring must be mounted with piston pointing down



Option

- Preset forces available to order (for orders of 5 or more):

Size 6: 10N to 400N

Size 10: 80N to 1300N



Uses

- Facilitates opening and closing of a bonnet or boot
- Saves effort



DISCOUNTS

Qty	1+	3+
Disc.	List	On request

Part number	Stroke	L	ØD1	ØD2	ØN	A	P	E	Force (N)	Price each 1 to 2
Size 6										
GSI-15-060-50	60	149	15	6	6,1	10	16	6	50	256,80 €
GSI-15-100-80	100	229	15	6	6,1	10	16	6	80	269,72 €
GSI-15-150-100	150	329	15	6	6,1	10	16	6	100	291,80 €
Size 10										
GSI-22-50-80	50	164	22	10	8,1	14	20	10	80	305,19 €
GSI-22-100-100	100	264	22	10	8,1	14	20	10	100	321,48 €
GSI-22-150-200	150	364	22	10	8,1	14	20	10	200	328,25 €
GSI-22-200-300	200	464	22	10	8,1	14	20	10	300	369,46 €
GSI-22-250-400	250	564	22	10	8,1	14	20	10	400	380,85 €

Dimensions in mm

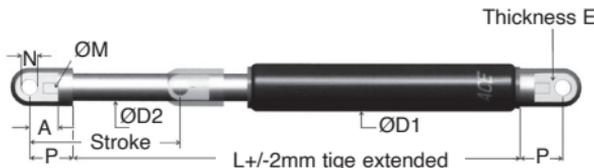
- **Stainless steel gas spring**
- Materials:
 - Body/rod: stainless steel
 - Rod-end: stainless steel
- Works in compression (push) mode
- Refilling fluid: nitrogen oil
- Working temperature: -20°C to 80°C
- Operating Fluids: Nitrogen gas and oil
- Damping length (with oil) approx 20mm
- Filling tolerance: -20N to +40N



Important: Spring must be mounted with piston pointing down

Adjustment

- Springs are pre-filled to reach the stated force. Gas should be released using the valve to achieve the force required
- NOTE once the gas has been released, spring cannot be refilled.



Uses

- Facilitates opening and closing of a bonnet or boot
- Additional effort



Setting the force with the adjustment screw



DISCOUNTS

Qty	1+	3+
Disc.	List	On request

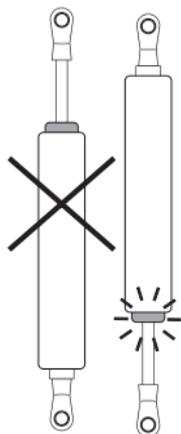
Part number	Stroke	L	ØD1	ØD2	ØN	A	P	E	Force (N)	Price each 1 to 2
Size 6										
GSI-15-060-400A	60	149	15	6	6,1	10	16	6	400	248,76 €
GSI-15-100-400A	100	229	15	6	6,1	10	16	6	400	261,70 €
GSI-15-150-400A	150	329	15	6	6,1	10	16	6	400	292,24 €
Size 10										
GSI-22-050-1000A	50	164	22	10	8,1	14	20	10	1000	305,19 €
GSI-22-100-1000A	100	264	22	10	8,1	14	20	10	1000	331,34 €
GSI-22-150-1000A	150	364	22	10	8,1	14	20	10	1000	339,34 €
GSI-22-200-1000A	200	464	22	10	8,1	14	20	10	1000	358,52 €
GSI-22-250-1000A	250	564	22	10	8,1	14	20	10	1000	369,67 €

Adjustment screw

GSI-15-U5		For gas springs GSI-15	21,26 €
GSI-22-U8		For gas springs GSI-22	21,52 €

Dimensions in mm

Instructions



Must be used with
piston pointing
down

Typical applications

