AS SPRINGS

T 01634 819651

F 01634 841045

www.KENTGASSPRINGS.com



A FLEXIBLE APPROACH TO GAS SPRINGS



STANDARD GAS SPRINGS

BESPOKE GAS SPRINGS

STEEL or STAINLESS STEEL

SHORT PRODUCTION TIMES

SMALL or LARGE QUANTITIES

GAS SPRING CALCULATION SERVICE

With over 20 years of experience within the gas spring industry, we have collated a vast portfolio of knowledge of differing gas spring applications.

Kent Gas Springs provide high quality bespoke, standard or stainless steel gas springs and support our customers with our industry leading technical backup service. This gives our customers full confidence that the best results are being achieved from their applications.

Our bespoke and standard gas strut production lead times are consistently between 5-7 working days for small quantities and 3-5 weeks for larger quantities.

All Kent Gas Springs are produced under an ISO9001:2000 certified quality production system.

WE WILL BE PLEASED TO SHOW YOU THE DIFFERENCE

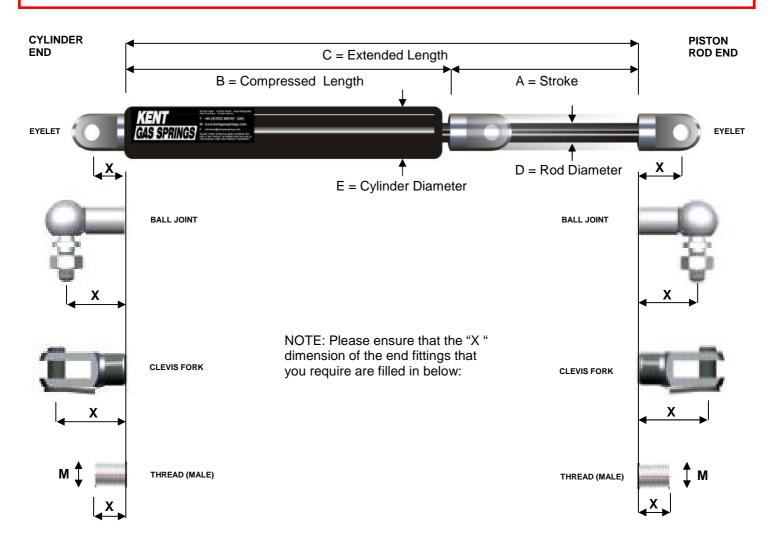
Kelvin & Jonathan Leason



GAS SPRING IDENTIFICATION QUESTIONNAIRE

Please tick appropriate box:

☐ PUSH TYPE	☐ PULL TYPE	☐ LOCKING TYPE
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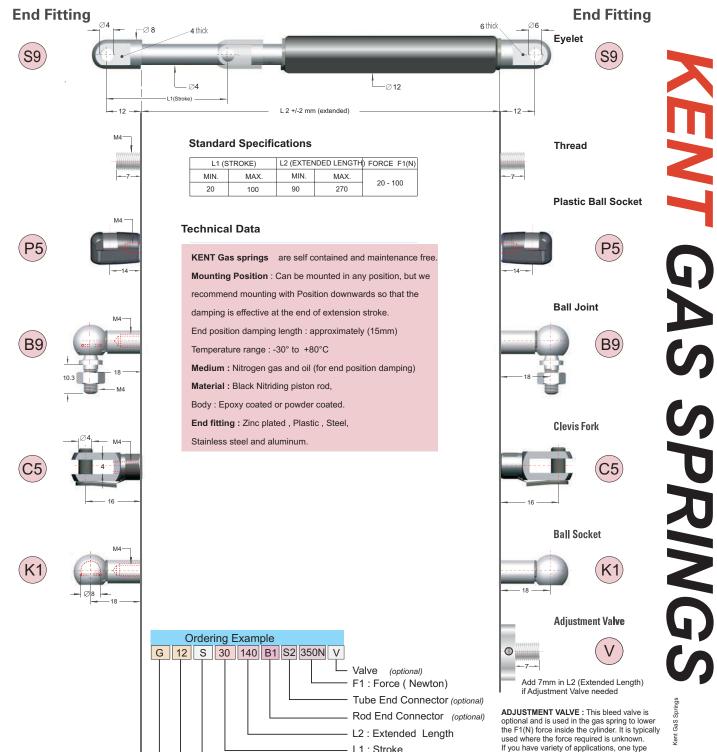
GAS SPRING INFORMATION

END FITTING INFORMATION & DIMENSIONS

A = mm	Cylinder End	Piston Rod End
_	Tick one box	Fick one box
B = mm	Eyelet X =mm	Eyelet X =mm
C = mm	Ball Joint X =mm	Ball Joint X =mm
D =mm	Clevis Fork X =mm	Clevis Fork X =mm
E = mm	Thread X =mm	Thread X =mm
FORCE = (Newtons)	M – mm	M = mm

KENT GAS SPRINGS, a division of Gate Control Gear Limited.
T: +44 (0)1634 819651 F: +44 (0)1634 841045 E: solutions@kentgassprings.com
www.KENTGASSPRINGS.com





Please mention "00" in the part number if you do not require the end fittings.

Some end fittings are interchangeable and must be positively secured by the customer to prevent unscrewing (i.e. loctite).

We reserve the right to make modifications

of gas spring can be used by simple adjustment.
The gas springs with the bleed valve come with

the maximum force F1(N) and it must be bleeded until the satisfactory results of your

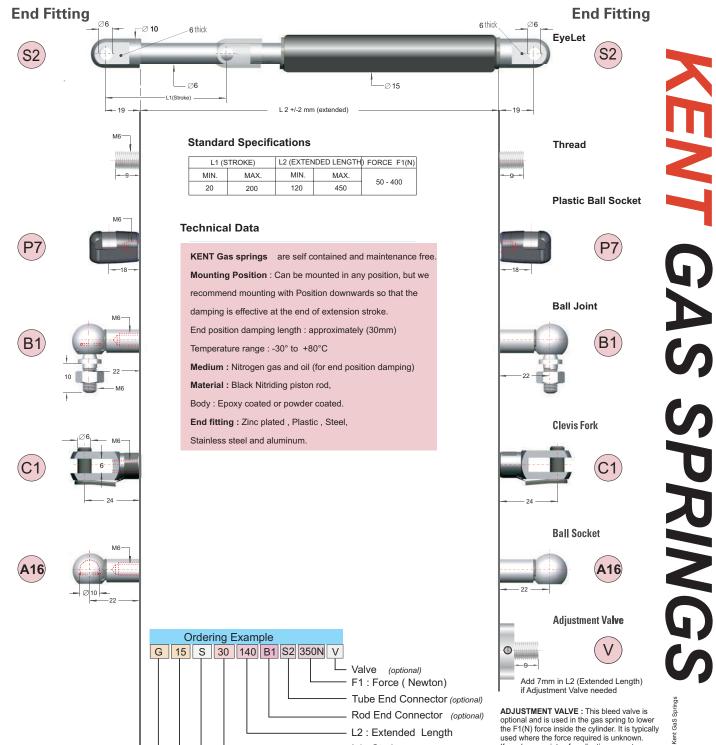
L1: Stroke

Stainless Steel (optional)

Type(Compression Gas spring) achieved.

Series(Tube Dia)





Please mention "00" in the part number if you do not require the end fittings.

Some end fittings are interchangeable and must be positively secured by the customer to prevent unscrewing (i.e. loctite).

We reserve the right to make modifications

used where the force required is unknown. If you have variety of applications, one type

the maximum force F1(N) and it must be bleeded until the satisfactory results of your

of gas spring can be used by simple adjustment.
The gas springs with the bleed valve come with

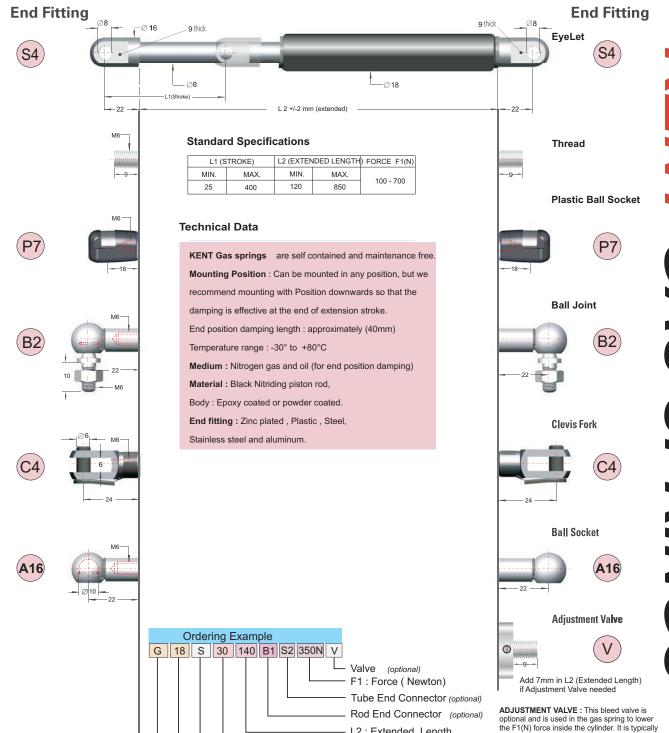
L1: Stroke

Stainless Steel (optional)

Type(Compression Gas spring) achieved.

Series(Tube Dia)





L2: Extended Length

Stainless Steel (optional)

Type(Compression Gas spring) achieved.

Series(Tube Dia)

L1: Stroke

Please mention "00" in the part number if you do not require the end fittings.

Some end fittings are interchangeable and must be positively secured by the customer to prevent unscrewing (i.e. loctite).

We reserve the right to make modifications

used where the force required is unknown. If you have variety of applications, one type

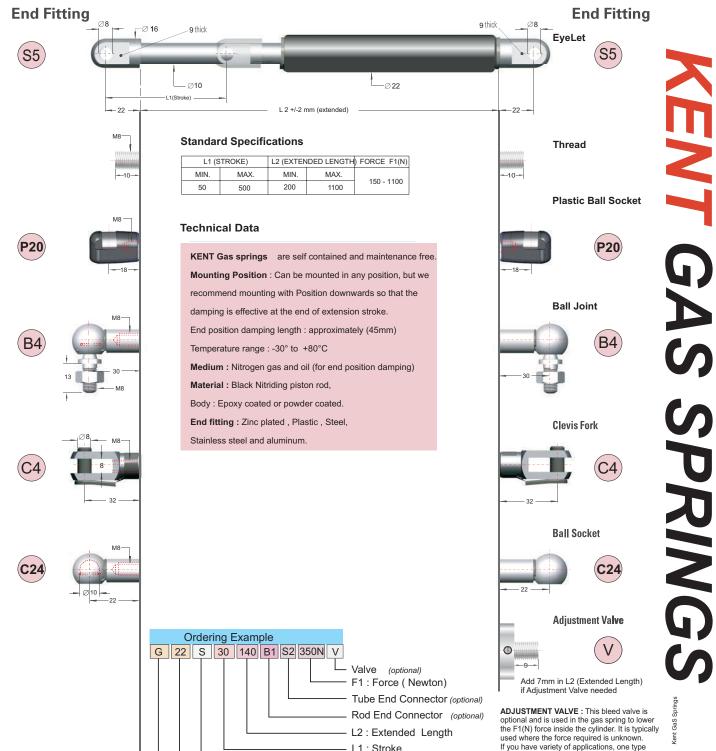
the maximum force F1(N) and it must be bleeded until the satisfactory results of your

of gas spring can be used by simple adjustment.
The gas springs with the bleed valve come with

Kent GaS Springs

SPRING





L1: Stroke

Stainless Steel (optional)

Type(Compression Gas spring) achieved.

Series(Tube Dia)

Please mention "00" in the part number if you do not require the end fittings.

Some end fittings are interchangeable and must be positively secured by the customer to prevent unscrewing (i.e. loctite).

We reserve the right to make modifications

of gas spring can be used by simple adjustment.
The gas springs with the bleed valve come with

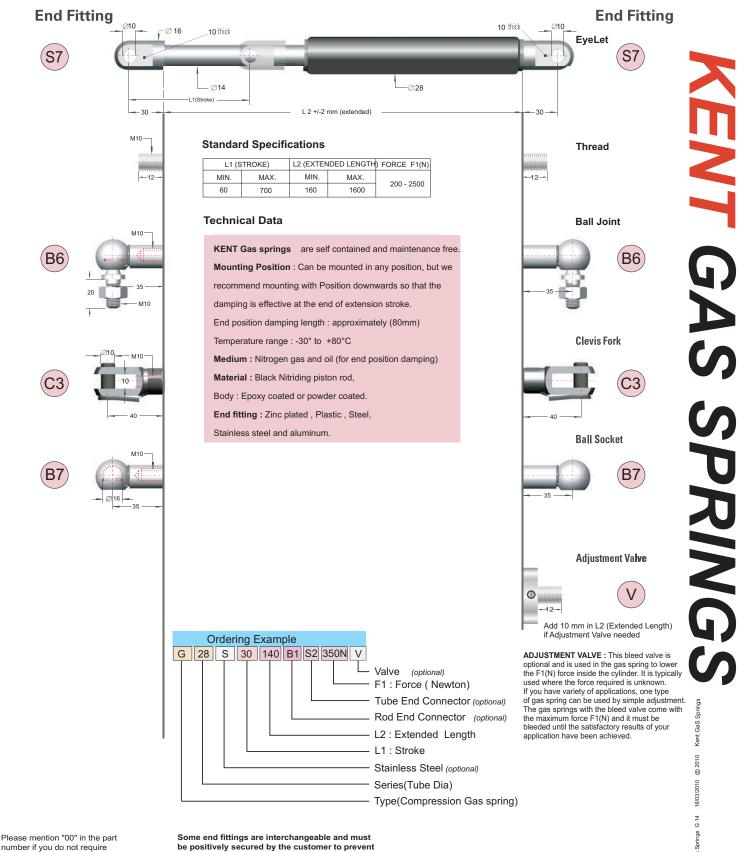
the maximum force F1(N) and it must be bleeded until the satisfactory results of your

the end fittings.

Standard dimensions in mm



We reserve the right to make modifications



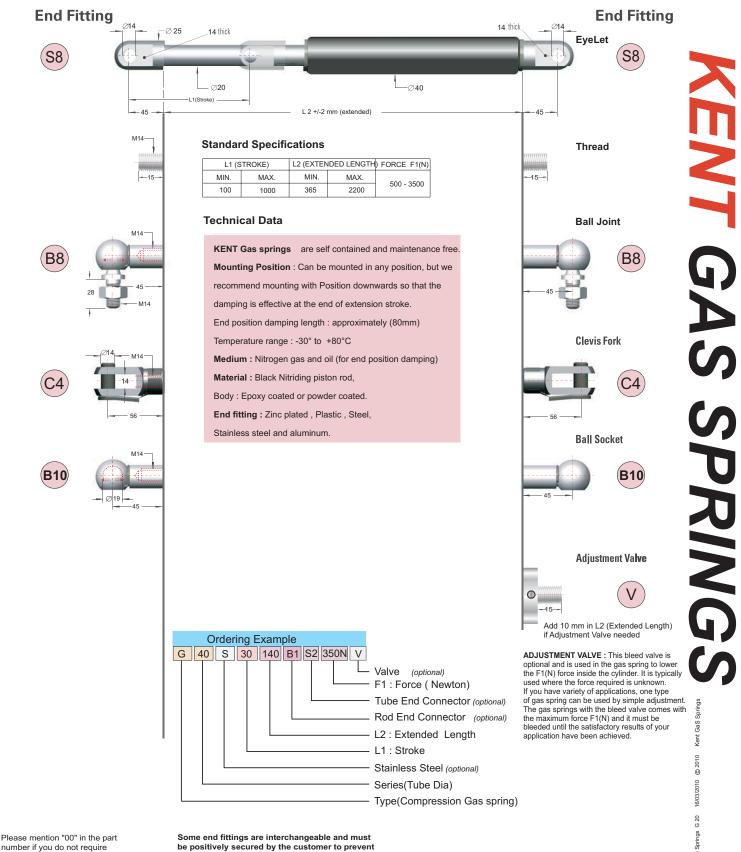
unscrewing (i.e. loctite).

the end fittings.

Standard dimensions in mm



We reserve the right to make modifications

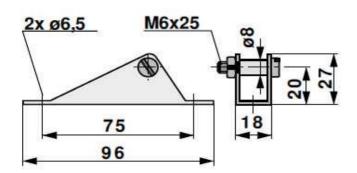


unscrewing (i.e. loctite).



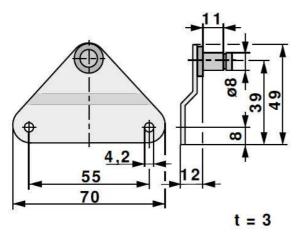
Gas Spring Brackets (Standard)

Bracket 001

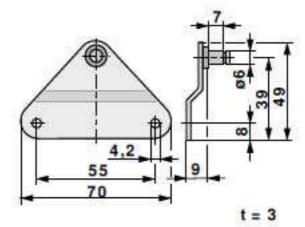


t = 2

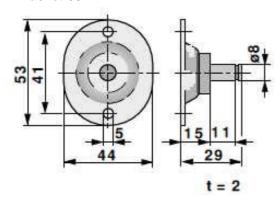
Bracket 002



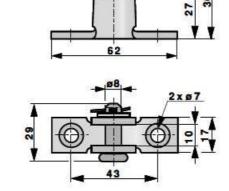
Bracket 003



Bracket 004



Bracket 011







Important Installation & Warranty Advice

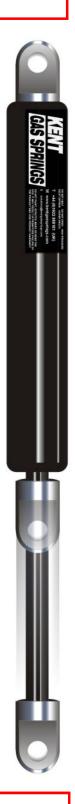
- Kent gas springs will operate in surrounding temperatures from -30°C to +80°C. We can supply our gas springs with special seals to withstand temperatures as low as -55°C or as high as +200°C.
 - Gas Springs should not be over heated or placed in open fire! Other environmental conditions can also influence the considerable life time of gas springs. Please take appropriate preventative measures into consideration.
- Gas Springs are filled with pure nitrogen.
 Nitrogen is an inert gas, which does not burn, will not explode and is not poisonous.

But:

Gas springs have very high internal pressure (up to approximately 300 bar). Do not open without instruction!

- Disposal/Recycling:
 Gas springs consist mostly of metal and can be recycled, but first the gas spring must be de-pressurized.
- 4. All gas springs are labelled with the warning. DO NOT OPEN, HIGH PRESSURE, the part number and the production date. If these dates are unreadable (removed, painted over or any other influences) we refuse the liability for damages which result of this fact. Warranties are then not applicable anymore.
- Gas springs should be installed with the piston rod downwards. This position ensures the best damping effect.
- Gas Springs should not be exposed to any tilting or side (lateral) forces during operation. If this is unavoidable, please check the installation and use suitable connecting parts.
- 7. Gas springs are maintenance free. Do not grease or oil the piston rod.

- 8. The piston rod must not be painted and should be protected against shocks, impact, scratches & dirt. The cylinder should not be deformed. Such damage will destroy the sealing system.
- 9. Kent gas springs can be stored short term in any position. Pressure loss through long term storage may be possible in certain conditions. There are no negative values known, but there may be a sticking effect when you compress a gas spring, which may require a higher expenditure of force the first few times (initial break away force).
- 10. We cannot assume any liability for the function and the lifetime of the final product that you fit the gas springs upon.
- 11. Warranty claims expire one year from the date of supply. Manufacturing mistakes and/or quality defects are immediately noticeable. If you are unhappy for any reason with the delivered quality, we ask you to return the gas springs immediately. Testing methods adopted by customers must be the same as in production in order to achieve the same conditional matching results.
- 12. If gas springs are sent to us for a detailed examination, the agreement for the destruction of this part is given and the property rights expire. A return delivery of single components is not possible.
- 13. Kent gas springs which mostly consist of parts held in stock are produced according to customers orders. A cancellation, modification afterwards, change or refusal is therefore not possible.
- 14. Without detailed specifications supplied to us at enquiry stage and our specific written agreement, our gas springs will not be guaranteed for special applications involving vibration, magnetic fields, stray currents or intense accidental loads etc.....





KENT GAS SPRINGS A division of GATE CONTROL GEAR LIMITED

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