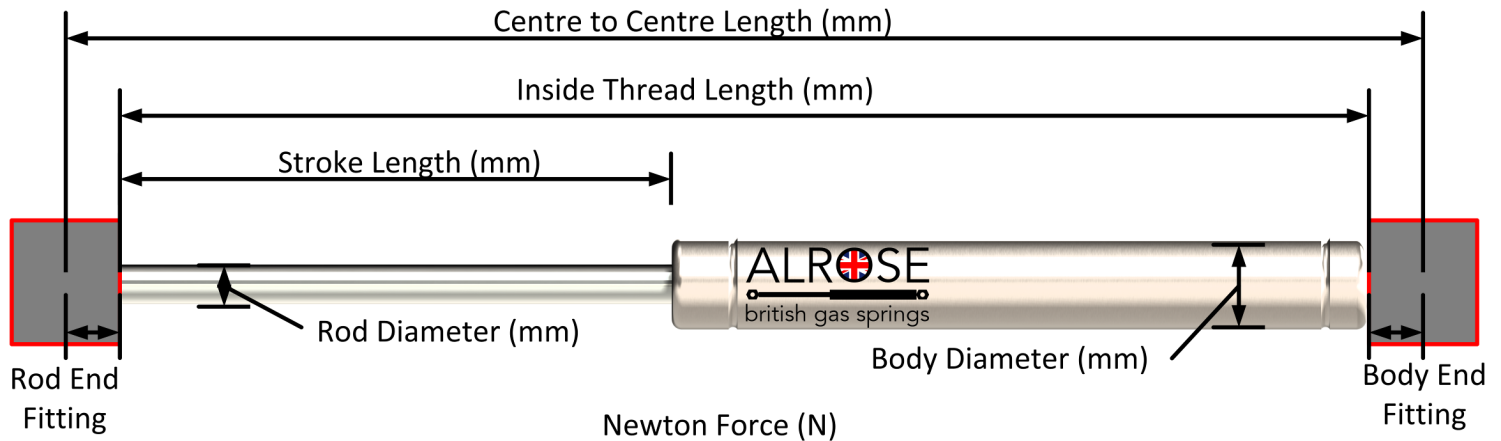


Part Identification Guide

Our part numbers are made up of a string of letters and numbers put together to form a unique code that describes the product you want. By reading through this guide you will have seen letters inside red boxes, **G** these letters form the string that makes up the product code. The dimensions that you require make up the remaining numbers. See some of the examples below, or contact us for assistance. Once you have the part code you require simply contact us to place your order. Please check your documentation as bespoke items are made only for you and as such cannot be returned.

How to Measure



Product Type

Model Range	Part Code	Remarks
Standard Compression Gas Spring	G	
Side Valve Compression Gas Springs	GV	
Locking Compression Gas Springs	GL	Add for E-Elastic, R-Rigid or A-Absolute (eg GLE)
Friction Lock Compression Gas Springs	GFL	"RiteStay"
Lock Open Compression Gas Springs	GLO	"Safety Stay"
Protected Compression Gas Springs	GP	"Protection Sleeve"
Standard Tension Gas Springs	T	
Protected Tension Gas Springs	TP	"Protection Sleeve"
Fixed Speed - Adjustable Force Gas Dampers	D	Includes Standard Gate Closers
Adjustable Speed - Adjustable Force Gas Dampers	DA	
Oil Dampers	DO	No Gas Force

Short Part Reference Codes for Stock Gas Springs

INTERNAL USE ONLY

Always a 16 Digit Number:

Example: 08S18S0200044500

Breaks down to:

Rod Diameter	Rod Material	Body Diameter	Body Material	Stroke Length	Centre Distance	Variants
08	S	18	S	0200	0445	00

If the Part code supplied is not this format then the item is not stocked or a special manufacture. See the Part Number format on the next page for more details.

Long Part Reference Codes for Gas Springs

These part numbers are used for Bespoke/Special Manufacture Items or when added as a description to aid customer understanding of their order.

	Product Type	Material	Rod Diameter (mm)	Body Diameter (mm)	Body Finish Style	Stroke Length (mm)	Centre to Centre Length or Inside thread length if no end fittings are selected (mm)	Customisations	*see website for available types Rod End Fitting or thread size	*see website for available types Body end fitting or thread size	Newton Force (N)
Example 1	G	E	6	15	BCP	50	200	SV	M5	M5	100
A compression gas spring made from carbon steel, 6mm rod, 15mm body with a BCP finish. 50mm stroke, 200mm inside threads. Side Valve customisation, M5 threads at both ends and a force of 100N											
Example 2	TP	S	10	28	P	100	500	V, FG	AS1900	WS3000	500
A protected tension gas spring made from stainless steel, 10mm rod, 28mm body with a polished finish. 100mm stroke, 500mm centre to centre. Standard valve and food grade components, AS1900 end fitting on the rod, a WS3000 on the body and force of 500N											

Materials

Part Code	Description	Notes
S	316L Stainless Steel	Marine grade of stainless steel used on our rods and bodies. Some end fittings and other components may be 304SS
E	Mild Steel	Our mild steel range of gas springs, used on the bodies and other external components

Body Finish Style

Part Code	Description	Notes
B	Spray Painted Black	Spray painted finish on body
BCP	Black Coated Plastic	Gas spring body coated in a protective layer of plastic. Standard on Carbon Steel (E)
PVD	Physical Vapour Deposition	A highly durable finish, like that on the tip of a drill bit. Special to order.
W	Waxoyl	Protective heavy oil based coat. Applied to mild steel (E) products
P	Polished	Polished is standard on Stainless Steel (S)

Customisations

Part Code	Description	Notes
HT	High Temperature Seals	Replace our standard seal with a high temperature variant
HS	High Speed Seals	Replace our standard seal with a high speed variant
WS	Wiper Seal	Replace our standard seal with a seal designed to wipe away dirt from the rod
FG	Food Grade Components	Change internal components and oils for be food approved, plus special labelling - Only on Stainless products (S)
MS	Magnetically Safe Components	Change components to help reduce magnetic susceptibility - Only on Stainless products (S)
MED	Medically Safe Components	Change components and labelling for easy clean - Only on Stainless products (S)
T	Non Standard Threads	Alter the standard thread length - specify size, pitch, length eg M8X1.0X15
SV	Side Valve	Special valve block that allows gas pressure to be reduced when in situ
D(#)	Special Damping	See page 25
V	Refill/Defill Valve	Valves comes as standard on all products

Customisations - Damping Direction

+	Damped on extension only
-	Damped on compression only
=	Damped both directions
The direction is noted in-front of the # symbol. Example D(+5@100N)	

Customisation -Dampers Only

Part Code	Description	Notes
PS	Protection Sleeve	Protects rod from impact and dirt
RD	Rigid Disk	Helps reduce elasticity of damping
D(#)	Damping Rate	This is denoted SECONDS@NEWTONS and replaces the # symbol.