HOW TO CALCULATE THE FORCE REQUIRED FOR A GAS SPRING



There are a large number of applications for gas springs. Whether you would like to add some spring to your Ottoman bed, fix a roof light, campervan bonnet or roof box, a different calculation will be required for each new gas spring application.

Configure your gas spring yourself with our gas spring force calculator.

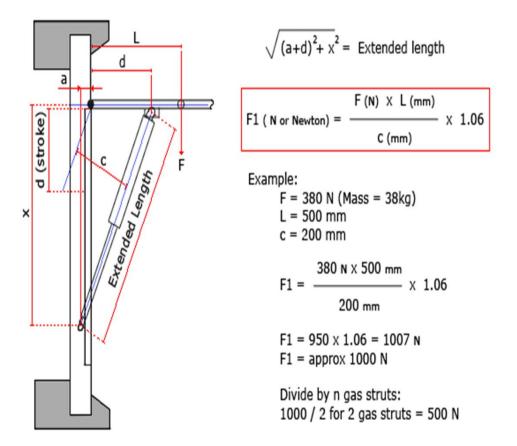
GAS SPRING FORCE CALCULATION

A gas Spring calculation will take into account the direction of operation for the particular application, the operating arm, the weight and force relation.

Use our gas spring force calculation formula to work out the force needed.

(d) distance from the hinge is recommended at approximately 20% of the panel length.

(F) weight is the mass in Kg multiplied by 10 to convert the Kg value in to N.



FIXED FORCE GAS SPRINGS

fixed force gas Springs manufactured in the india by india enterprises - the india's leading manufacturer of gas

springs and covered by a 1 year warranty. 5 KG TO 200 KG force range. Please select the length of your gas sprint R P R G R O U P

from below. If you would like assistance selecting the correct gas spring then please contact our team.

156 MODEL



PART NO	ROD DIA (MM)	TUBE DIA (MM)	STROKE (MM)	EXT LENGTH (MM)	END FITTINGS	FORCE RANGE (KG)
GS-156-155-60-END FTNG	6.0	15.0	40	155	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-35 KG
GS-156-155-60-END FTNG	6.0	15.0	60	225	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-35 KG
GS-156-155-60-END FTNG	6.0	15.0	94	300	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-35 KG
GS-156-155-60-END FTNG	6.0	15.0 V	150 vww.rprg	385 assprings.com	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-35 KG

FIXED FORCE GAS SPRINGS

188 MODEL





PART NO	ROD DIA (MM)	TUBE DIA (MM)	STROKE (MM)	EXT LENGTH (MM)	END FITTINGS	FORCE RANGE (KG)
GS-188-225-60-END FTNG	8.0	18.0	60	225	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-50 KG
GS-188-300-94-END FTNG	8.0	18.0	94	300	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-50 KG
GS-188-371-140-END FTNG	8.0	18.0	140	371	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-50 KG
GS-188-446-175-END FTNG	8.0	18.0	175	446	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-50 KG
GS-188-446-175-END FTNG	8.0	18.0	200	497	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-50 KG
GS-188-595-245-END FTNG	8.0	18.0 VV VV	²⁴⁵ w.rprga	⁵⁹⁵ Issprings.com	1) PLASTIC JOINT 2) EYELET 3) METAL JOINT	5-50 KG





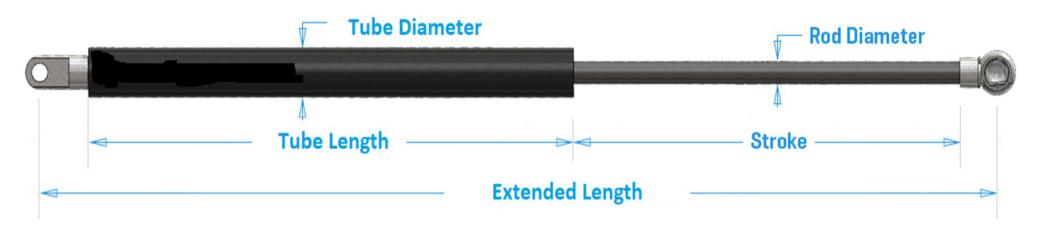
RPR GROUP

PART NO	ROD DIA (MM)	TUBE DIA (MM)	STROKE (MM)	EXT LENGTH (MM)	END FITTINGS	FORCE RANGE (KG)
GS-2110-309-100-END FTNG	10	21.0	100	300	1) EYELET 2) METAL JOINT	10-75 KG
GS-2110-340-125-END FTNG	10	21.0	125	340	1) EYELET 2) METAL JOINT	10-75 KG
GS-2110-420-125-END FTNG	10	21.0	165	420	1) EYELET 2) METAL JOINT	10-75 KG
GS-2110-460-182-END FTNG	10	21.0	182	460	1) EYELET 2) METAL JOINT	10-75 KG
GS-2110-485-200-END FTNG	10	21.0	200	485	1) EYELET 2) METAL JOINT	10-75 KG
GS-2110-595-245-END FTNG	10	21.0 WWV	245 v.rprgass	595 orings.com	1) EYELET 2) METAL JOINT	10-75 KG

FIXED FORCE GAS SPRINGS



2814 MODEL



PART NO	ROD DIA (MM)	TUBE DIA (MM)	STROKE (MM)	EXT LENGTH (MM)	END FITTINGS	FORCE RANGE (KG)
GS-2814-309-100-END FTNG	14	28	100	309	1) EYELET 2) METAL JOINT	20-200 KG
GS-2814-340-125-END FTNG	14	28	125	340	1) EYELET 2) METAL JOINT	20-200 KG
GS-2814-420-165-END FTNG	14	28	165	420	1) EYELET 2) METAL JOINT	20-200 KG
GS-2814-595-245-END FTNG	14	28	245	595	1) EYELET 2) METAL JOINT	20-200 KG

www.rprgassprings.com