

Step 1 - Set-Up

Before replacing a gas strut, please ensure it matches the original part.

- Compare the part numbers on the new and old gas struts.
- If the numbers do not match, it's recommended not to use the replacement strut.
- Each gas strut is designed for a specific vehicle or application, and using an incorrect one can cause damage or even pose a safety risk.

To avoid potential harm to the vehicle or injury, it is essential to ensure compatibility.

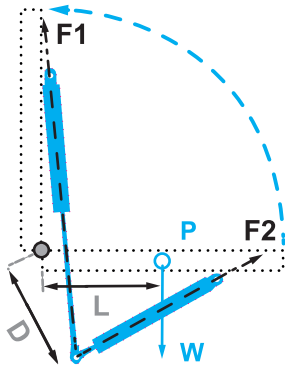
Below are three methods for calculating the safety factor by comparing the weight of the application to the strength of the gas strut. However, consulting a qualified expert or someone experienced with gas strut replacements is strongly advised whenever possible.

Simple Method

Gas strut strength is measured in newtons.

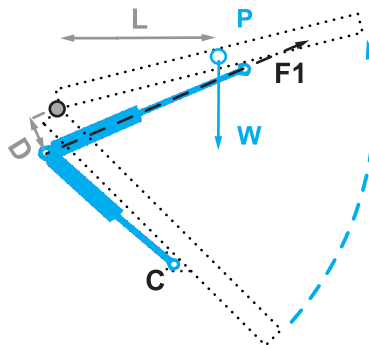
As a general rule;

100 N = 10 kg of strength



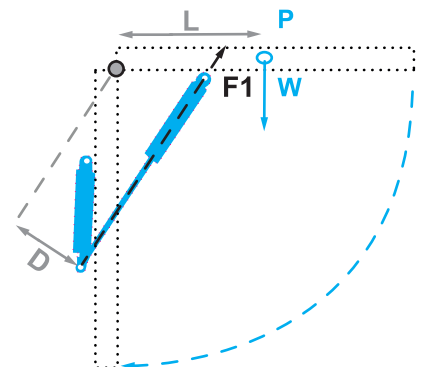
Example A.

Horizontal Gas Sturt Applications; trapdoors, create covers, toolboxes, roof hatches and etc.



Example B.

Inclined Gas Sturt Applications; car boots, machine lids, monitor arms and etc.



Example C.

Vertical Gas Sturt Applications; lifting of cabinet, compartment doors, advertisement displays and etc.

$$\frac{W \text{ (kg)} \times L \text{ (mm)}}{D \text{ (mm)} \times n \text{ (pcs)}} + \%10 = ?$$

Step 2 - Remove old support strut

- Make sure the liftgate, hood, trunk, or lid is fully extended while the gas strut is being replaced.
- If the application uses two gas struts, a single strut will not provide enough force to keep it open.
- To ensure safety and prevent damage, having a second person hold the panel open is essential throughout the process.

Step 3 - Install new support strut

Kindly take the replacement strut and gently press the clip onto the safety clip.



SAFETY CLIP