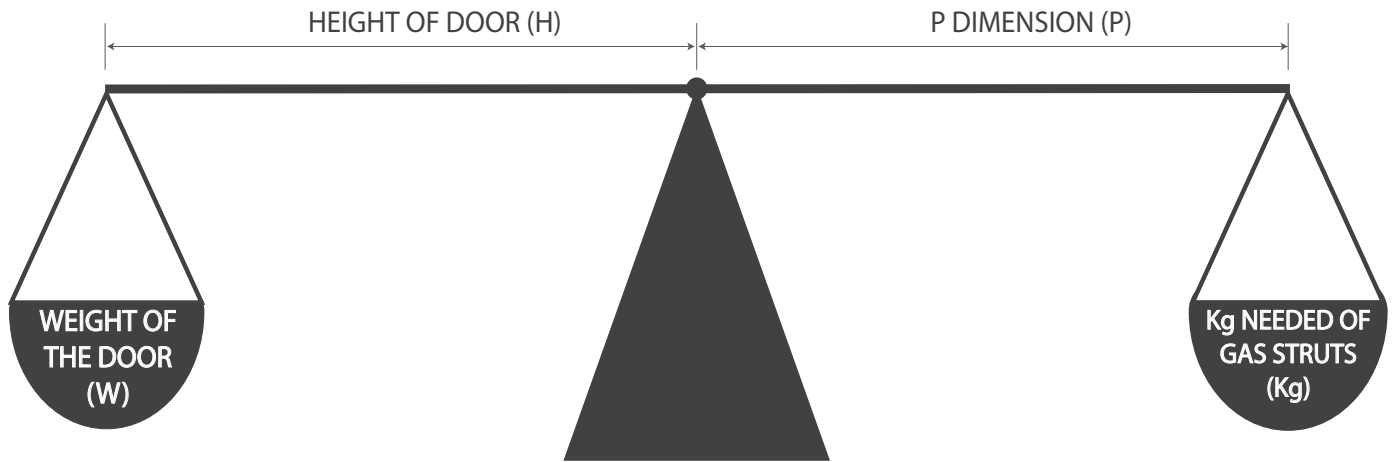


How to Calculate Pressure (Kg) Needed for a Gas Strut



Formula

$$\text{Height (mm)} \times \text{Weight of the door (kg)} \times 0.6 = P \text{ Dimension} \times \text{Kg Needed}$$

$$H \times W \times 0.6 = P \times \text{Kg}$$

$$H = 1200\text{mm}$$

$$W = 30\text{kg}$$

$$P = 200$$

$$\text{Kg} = ?$$

Real Life Calculation

$$1200 \times 30 \times 0.6 = 200 \times \text{Kg}$$

$$21600 = 200 \times \text{Kg}$$

$$21600 \div 200 = \text{Kg}$$

$$108 = \text{Kg}$$

$$108 \div 2 \text{ Gas Struts} = 54 \text{ Kg per Gas Strut}$$



FOR SAFETY ALWAYS USE 2 GAS STRUTS PER DOOR



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Disclaimer: These calculations and designs are accurate to the best of our knowledge and are intended to give an estimation only based on a gas strut lifting a door that is horizontally hinged 90° from vertical to horizontal orientation.

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