

Advisory Service

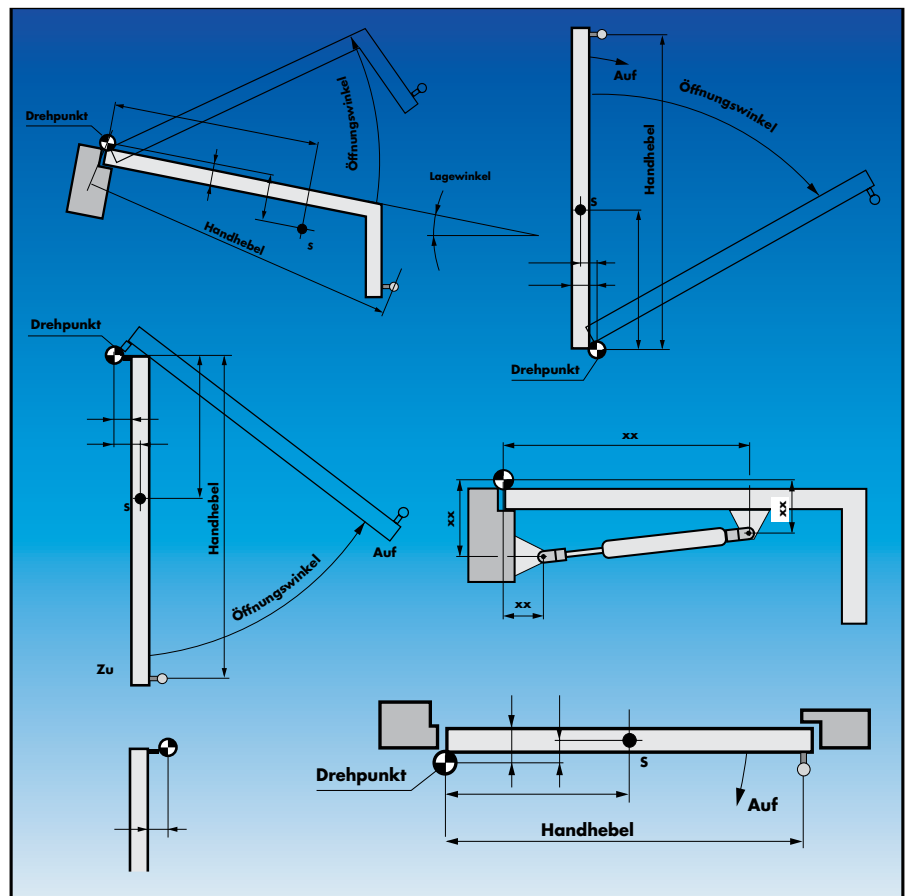
Optimum Fixing with Calculation Programme

You can guarantee your gas spring application will be **successful** with the help of the DICTATOR Advisory Service. With minimal time and money.

With the help of a special **software programme for calculating the resulting forces**, DICTATOR engineers can work out optimum fixing points for you.

This also controls the **hand forces for all flap positions** and saves you carrying out time consuming calculations. This is particularly important when the hand force can become far too large if the gas spring is falsely **positioned** in heavy flaps or hatchways.

By stating your requirements clearly, misunderstandings and unnecessary expenditure can be avoided. We therefore request you to fill out the application **questionnaire** on the following pages and fax it to our technicians. If possible please enclose **sketches** of the exact installation situation.



Details Required

Function	should it open with no assistance, assist or hold open
Requirements	speed and frequency of movement
Flap measurements	length A, width B, thickness C
Flap position	closed and open
Flap weight	in Newton (1 N = 0.1 kp), centre of gravity
Fixing possibilities	on the flap and frame/housing
Fittings	suitable means of fixing
Environmental conditions	temperature, dirt, dampness etc.

B. Closed Flap in Vertical Position

Customer Address

Company : _____

Road : _____

Post code/town: _____

Tel. : _____

Fax : _____

Email : _____

Contact: _____

Date : _____

Data

Weight [kg] : _____

Centre of gravity [mm] T : _____

Centre of gravity [mm] B : _____

Operating arm [mm] A : _____






Roof slope [degrees] α : _____

Opening angle [degrees] q : _____

Distance to lower side U : _____

Number of gas springs : _____

End fittings: K = on piston rod, R = on cylinder. Please complete!

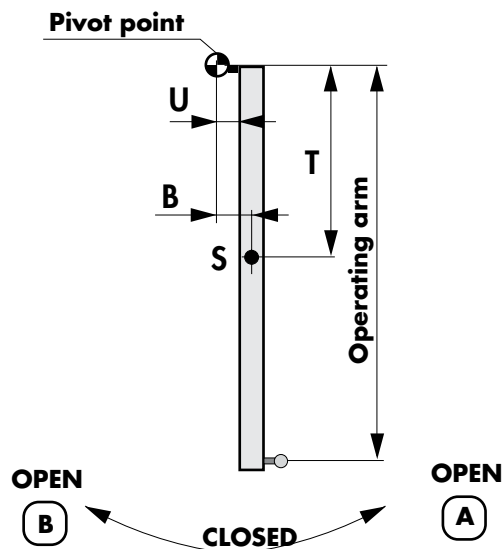
 <input type="checkbox"/>	<input type="checkbox"/>	 <input type="checkbox"/>	<input type="checkbox"/>	 <input type="checkbox"/>	<input type="checkbox"/>	 <input type="checkbox"/>	<input type="checkbox"/>	 <input type="checkbox"/>	<input type="checkbox"/>
Rose bearing <input type="checkbox"/>		Fork <input type="checkbox"/>		Eyelet <input type="checkbox"/>		Ball and socket joint <input type="checkbox"/>		Threaded end <input type="checkbox"/>	

Please tick off your application and insert the required dimensions.

A B C D

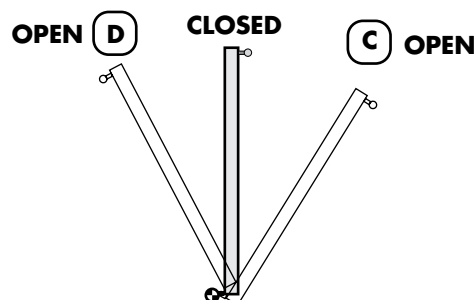
Pivot at top

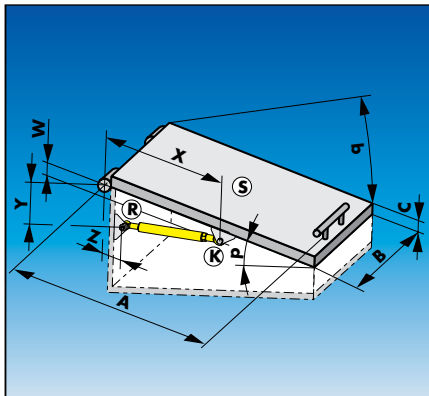
- A Flap mounted vertically, opening angle to the right.
- B Flap mounted vertically, opening angle to the left.



Pivot at bottom

- C Flap mounted vertically, opening angle to the right.
- D Flap mounted vertically, opening angle to the left.





C. Advice Result

The more information you can provide us with, the more exact our calculation results can be. Please make sure that handwriting is clear and large enough when faxing to avoid misinterpretation.

As well as the exact flap measurements, we also need details concerning the surroundings, particularly possibilities for fixing the fittings.

Along with the weight of the flap, position of the centre of gravity is also important. If you do not know this, please supply us with the exact shape and material of the flap.

1. Print-Out

Non-binding mounting proposal	
Mounting dimensions	
Lever of frame	RH = 80mm
Support of frame	RA = 140mm
Mounting brackets	
Frame	R = 205242
Flap	K = 205246
Data of the flap	
Weight	= 22.00kg
Hand lever	HH = 970,0mm
Centre of gravity	SH = 506,0mm
Centre of gravity	SA = 20,0mm
Opening angle	= 90°

The gas spring has been calculated according to the data given here. Please have a close look if they are correct.

Calculated gas spring type		
Push type gas spring	<input checked="" type="checkbox"/>	Gas spring from stock yes
Pull type gas spring	<input type="checkbox"/>	Finish zinc-plated
Number	<input type="text" value="2"/>	

Type **10 - 23 - 250 - 1 / 200N - 359 - 609 - A - A - 5 - - -**

Maximum force of the gas spring at 20 °C 259N

Please check if your construction will stand this force.

2. Part Number

Example Ref.*: -10-23-250-1/200N-359-609 - A - A - 4/5/6/7/8

- Ø Piston rod
- Ø Cylinder
- Stroke length [mm]
- Damping (0,1,2 or 3)
- Extension force [N] (in position P1)
- Compressed length (incl. measurement D of end fittings)
- Extended length (incl. measurement D of end fittings)
- Piston rod end fitting
- Cylinder end fitting
- Additional fittings: oil chamber [Code 4], valve [Code 5],
protective tube [Code 6], additional helical spring [Code 7],
oil fill with biological oil [Code 8]

*In addition to this part number, please also specify the type of gas spring:
D = push type, **DT** = with floating piston, **FB** = cushioned locking, **StB** = rigid locking,
SEH = variable speed, **V** = AISI 304, **V4** = AISI 316, **Z** = pull type gas spring