



## The lightweight

### The new Bansbach gas spring, completely made of aluminium

In many applications, the weight is decisive. We therefore pay attention that the weight of the single components is as low as possible. This was the reason to develop the Bansbach gas spring completely of aluminium. The weight saving is not done at the expense of the product characteristics. This aluminium gas spring has **the same characteristics** as the Bansbach gas springs made of steel or stainless steel. Only with the stated weight saving.

In comparison to standard gas spring, this one is more than **50 % lighter**. A standard gas spring with diameter 8/19 mm weighs approx. 250 g (with a stroke of 150 mm). A comparable aluminium gas spring with diameter 8/20 mm (with the same stroke) weighs only approx. 120 g.

Above all, this weight advantage becomes decisive when the weight is an essential factor and several gas springs will be used - as you can see in the **aircraft industry**, e.g. in airplanes.

#### product characteristics:

- piston rod diameter 8 mm
- cylinder diameter 20 mm
- stroke 10 - 300 mm
- force 30 - 500 N



| connecting parts piston rod                    | connecting-parts cylinder                      | model  | push out speed/damping  | diameter      | stroke     | extended length (EL1) | Index Nr.*   | extension-force |
|--|--|--|---|---------------|------------|-----------------------|--|-----------------|
| <b>A1</b>                                      | <b>A1</b>                                      | -  | <b>4</b>  | <b>J</b>      | <b>200</b> | <b>485</b>            | <b>001*</b>  | <b>250</b>      |
| see gas spring catalogue p.46 connecting parts | see gas spring catalogue p.46 connecting parts | - standard<br>A accord. to your drawing<br>B accord. to our drawing<br>E with neutral labels<br>F with valve<br>H with special seals | 0 fast, no end damping<br>1 fast, normal end damping<br>2 fast, increased end damping<br>3 normal, no end damping<br>4 normal, normal end damping<br>5 normal, increased end damping<br>6 slow, no end damping<br>7 slow, normal end damping<br>8 slow, increased end damping<br>9 other variations | <b>J</b> 8/20 | 10 - 300   | strokex2 + 49         | * With the index no. – only necessary for repeating orders – we can reproduce exactly the same gas spring which has already been produced. You will receive the index no. with the order confirmation/invoice. | 30-500 N        |

The flyer is subject to technical alterations and printing mistakes.