

# #THIS IS BANSBACH

**Your temperature expert**

## Does your application start to sweat? Our gas springs stays cool!

Bansbach easylift gas springs are high quality products and can be used in extreme applications depending on the design. Numerous factors influence the durability of our gas springs and accordingly the limits must not be exceeded. Basis are standard types according to our catalogue. Dimensional changes from standard lengths are possible, but must be requested individually. Please note that the damping behavior/lifetime can be affected when used in the maximum temperature ranges. We have defined 4 ranges for the optimum products in our temperature scales.



The areas are the following:

- 1) **Standard-Setup**
- 2) **Cold-Setup**
- 3) **Aerospace/extreme applications-Setup**
- 4) **Heat-Setup**



## 1) Standard-Setup

Sealing package	Ground survival low, static, no movement	Ground survival high, static, no movement	Operational temperature low	Operational temperature high
Standard	-30°C	+80°C	-20°C	+70°C

## 2) Cold-Setup\*

Sealing package	Ground survival low, static, no movement	Ground survival high, static, no movement	Operational temperature low	Operational temperature high
Cold resistant	-40°C	+80°C	-30°C	+70°C

\*In minus temperature we recommend using a scraper

## 3) Aerospace\*/extreme applications-Setup (check extended length, price on request)

Sealing package	Ground survival low, static, no movement	Ground survival high, static, no movement	Operational temperature low	Operational temperature high
Cold resistant	-55°C	+80°C	-30°C	+70°C

\*In minus temperature we recommend using a scraper

## 4) Heat-Setup

Sealing package	Ground survival low, static, no movement	Ground survival high, static, no movement	Operational temperature low	Operational temperature high
Heat resistant	-20°C	+200°C	-10°C	see table

### Attention: Reduced forces!

When using high-temperature sealings, numerous in-fluencing factors must be taken into account. The maximum permissible extension force per series depends on the desired operating temperature. The specific test in your application is strongly recommended.

Type/Temp	180°C	150°C	100°C
06/15mm	200N	230N	260N
08/19mm	350N	370N	420N
10/22mm	500N	530N	600N
10/28mm	640N	690N	780N
14/28mm	750N	800N	930N
20/40mm	1750N	1900N	2170N

### Examples for Heat-Setup:

- Oven and depanning systems: Side door lift assist gas spring
- Automated paint booth: Vehicle door/trunk lift assist during painting operation
- Solar panels for Desert environments: Angle adjustment of heavy panels
- High Temp molds and casting: Tilting lift assist for full molds
- Engine Hatch: Hatch lift assist on heavy doors
- Fire escape Doors: Lift assist on escape doors during emergency
- Smoker Lids: Lift assist for main doors (and keeping them open from wind gusts)



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The flyer is subject to technical alterations and printing.

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