

## GAS SPRING TYPES



### Standard Springs

For all sizes of common hatches, doors, lockers and storage bins.



### Dampers

For smooth and save movement of many applications.



### Locking Gas Springs

Locking Gas Springs are free moving, so that furniture, seats, hatches etc. can be locked into the desired position.



### Tension Springs

Vertical hatches and closures.



### Double-stroke Springs

Safe and easy operation of heavy hatches over 50kg, hatches with long leverage arms or large opening angles.



### Mountings

HAHN springs and dampers are combined with a broad range of mountings and special accessories to meet all installation requirements.

HAHN Gasfedern GmbH was founded in 1960 by Günther Hahn and is recognized as the leading supplier of custom designed gas spring installations for all kind of applications and holds a number of commanding patents. They were the first company to specialize in the yacht industry with a range of stainless steel AISI 316 springs in all versions and are certified under DIN EN ISO 9001:2008. Quality, excellence, customer service and rapid responses are our by-word.

HAHN is equipped with the very latest manufacturing and testing equipment and maintains a strong research and development team innovating in new technology and materials. HAHN provides fully automated manufacturing for large scale competitive production and also retains a facility for the supply of bespoke customer designs.

The qualification and commitment of more than 250 employees and their ongoing advanced trainings are the basis for the company's success.



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The Gas Spring Specialist for the Yacht Industry



## GAS SPRINGS IN YACHTS – HAHN THE BRAND LEADER

Gas springs have particular value in yacht applications. There are many large and heavy closures, companionways, lockers, hatches, storage bins, panels, domestic features and access doors, where safe, easy and reliable access can be gained in the tight spaces in all sizes of yachts from leisure craft to mega yachts.

### The special features of the yacht range of gas springs include:

- » Maintenance free
- » Corrosion free
- » Refillable
- » Additional FKM wiper ring to avoid entry of solid and liquid matter
- » Integrated grease chamber allows universal mounting positions
- » Internal valve to adjust the force required
- » Opening/Closing forces from 25N up to 5000N
- » Custom lengths in all types
- » Available with a high polish finish
- » A full range of mounting accessories



### Heavy Hatches 50 kg +

Double-stroke springs with two pressure cylinders for large opening angles.

### Vertical and Overhung Lockers

Tension springs with or without damping.

### Companionway

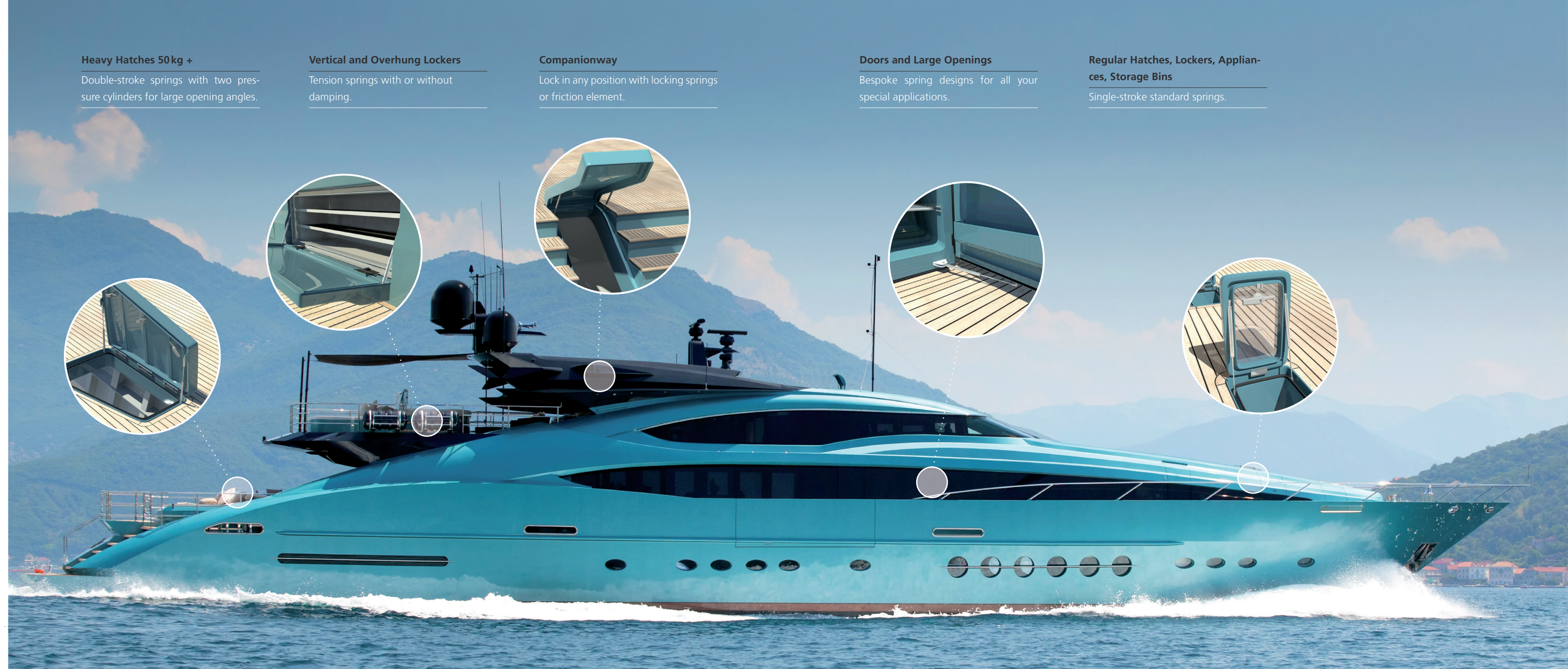
Lock in any position with locking springs or friction element.

### Doors and Large Openings

Bespoke spring designs for all your special applications.

### Regular Hatches, Lockers, Appliances, Storage Bins

Single-stroke standard springs.





# SLIDING DOOR DAMPER (SDD) – DO NOT RENOUNCE THIS LUXURY

Harmonious and safe damping of heavy sliding doors, windows, hatches, drawers and other sliding elements.

**interzum**

**Award**

High product quality

**INTERZUM  
AWARD  
WINNER**

2015



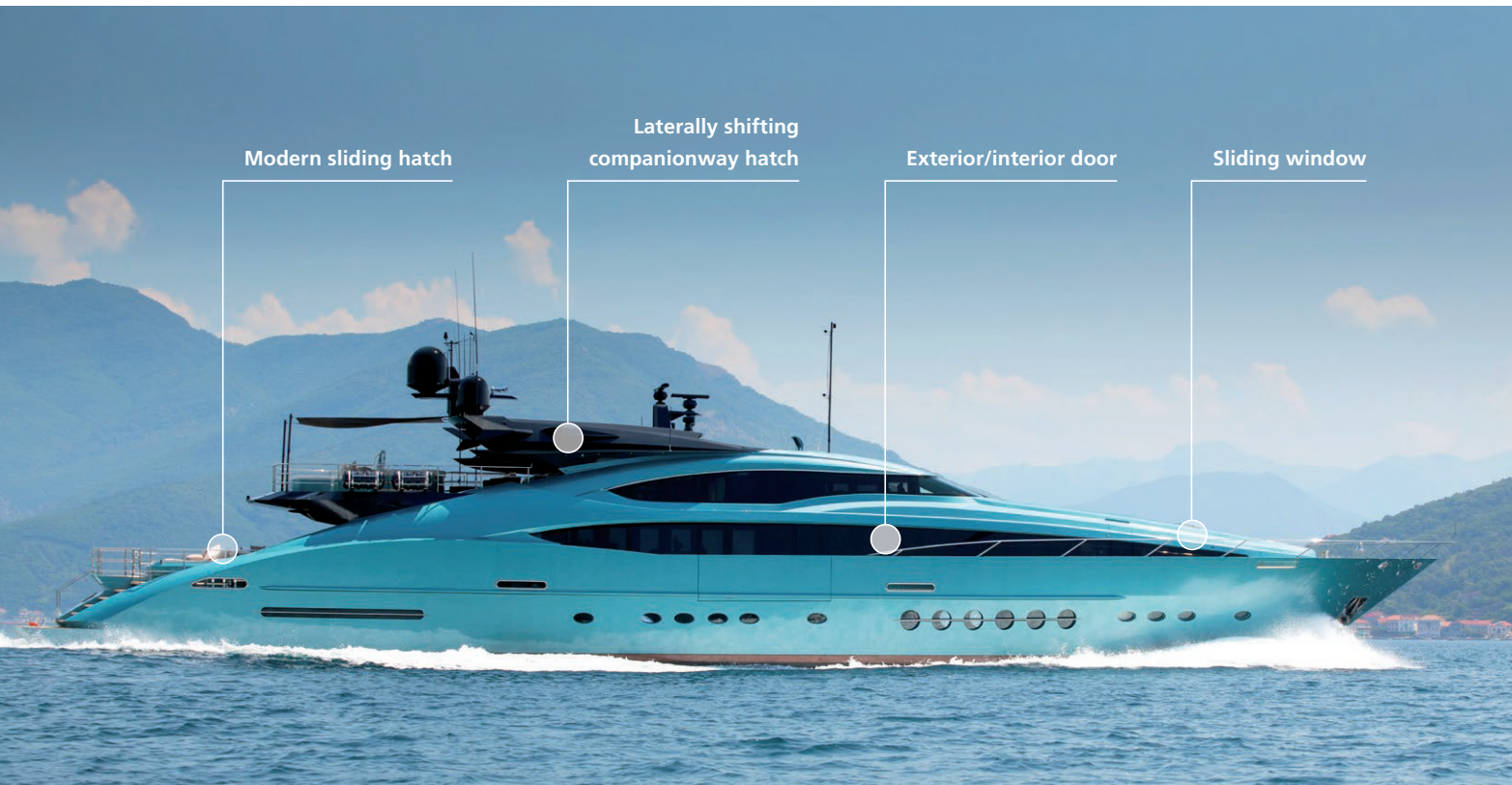
## Proven on the water / sea water resistant

- » SDG in stainless steel.
- » Frame made out of a special synthetic material mix.
- » Including stainless steel piston rod.

Types	Weight Range	Assembly Dimension				Piston Rod	Cylinder
<b>SDD 04-12</b>	60–90 kg	a=287	b=319	c=14,5	d=24,6 mm	Stainless AISI 304	black
<b>SDD 06-15</b>	100–200 kg	a=287	b=319	c=14,5	d=24,6 mm	Hardchromed	black
<b>SDD 06-19</b>	200–400 kg	a=423	b=463	c=24	d=32,1 mm	Hardchromed	black
<b>SDG 04-12</b>	20–80 kg	a=287	b=319	c=14,5	d=24,6 mm	Stainless AISI 304	black
<b>SDG 04-12 VA</b>	20–80 kg	a=287	b=319	c=14,5	d=24,6 mm	Stainless AISI 316	Stainless AISI 316

# SLIDING DOOR DAMPER (SDD) IN YACHTS

Harmonious and safe damping of heavy sliding doors, windows, hatches, drawers and other sliding elements.



Modern sliding hatch

Laterally shifting  
companionway hatch

Exterior/interior door

Sliding window

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