

Locks and stays

Gas struts

There are many applications on board where the assistance of a gas strut will reduce the effort required. For example, heavy deck hatches or locker doors. V-Equipment gas struts are specifically designed for marine use. All external parts are made of stainless steel (AISI 316) or synthetic materials and the special seals guarantee long service life. When fitted vertically, make sure that the piston rod is pointing downward.

These gas-filled cylinders are supplied complete with fixings.

In order to calculate the maximum admissible weight which can be supported, the following data is required:

F = Force of the gas strut in N/m (see table)

G = Weight of the object to be lifted in N

W = Width of the object to be lifted in mm

The calculation goes as follows:

$$\text{Force in N/m} = \frac{G \times \frac{1}{2}W}{1000}$$

Example:

The weight (G) of a hatch is 11 kg (≈ 110 N). The width (W) of the hatch is 600 mm. This means that:

$$\frac{110 \times 300}{1000} = 33 \text{ N/m is needed to hold the hatch open.}$$

In the table we find that GASSP44 delivers 28.8 N/m, which means that an additional 4.3 N/m will have to be applied by the user.

In the case of two gas struts GASSP38, $18.9 \times 2 = 37.8$ N/m is delivered by the struts. In this case the user will have to push the hatch down with a force of 4.8 N/m.



GASSP..

Type	Force in N	Stroke S in mm	Force (F) in N/m	Length L in mm	Length L+S in mm
GASSP25	180	74	13,3	180	254
GASSP30	135	85	11,5	220	305
GASSP38	135	140	18,9	240	380
GASSP44	180	160	28,8	280	440
GASSP51	270	205	55,3	305	510

Accessories

Marine binoculars

These binoculars are specially designed for marine applications and the materials are carefully selected for their resistance to wind and weather. The lens coatings are specifically chosen for use on the water, where bright light, glare and UV radiation should be taken into account.

Robust, lightweight binoculars

The durable, lightweight housing and the relatively compact size make the BINO1 the ideal binoculars to have at hand at all times. The BK7 prisms and multi-coated lenses deliver very sharp images and the housing is fitted with a non-slip grip.

- BK7 prisms
- Magnification: 7x; Lens diameter 50 mm
- Water repellent
- Fixed focus and central variable focus
- Flexible eyecups for use with (sun) glasses
- Non-slip grip
- Robust housing
- Includes bag and strap and caps
- Non waterproof



BINO1

High-quality, waterproof binoculars

The BAK4 prisms create the sharpest and clearest images possible in a binocular in this price range. All lenses are multi-coated for long lasting protection. The superior prisms combined with large lens diameters make these binoculars very suitable for use in difficult conditions such as twilight or bad weather. The binoculars have a robust soft touch casing and ergonomic design making them easy and stable to hold.

- Superior quality prisms (BAK4) for the brightest images
- Magnification: 7x; Lens diameter 50 mm
- Waterproof and fog-free (filled with nitrogen)
- Fixed focus and central variable focus
- Flexible eyecups for use with (sun) glasses
- Ergonomic design and non-slip grip
- Includes bag and floatation strap and caps
- Waterproof



BINO2

BK7 and BAK4 refer to the type of glass used for the prisms. The prisms bend the light image inside the binoculars. BK7 is borosilicate and BAK4 barium crown glass. The type of glass affects the sharpness and clarity of the image, BAK4 produces the best images with negligible distortion, whilst BK7 can result in a very slightly distorted image.