

# COMPRESSION BEARING ECOLINE



## ECO-FRIENDLY AND ECONOMICAL Effective prevention of structural damage



The Compression Bearing EcoLine from Calenberg is an EPDM-bound rubber granulat bearing and consists of 100% recycled material. With this type of production, EPDM cuttings are recycled. This high-quality and durable material is considered to be extremely robust and resistant and is thus used for the bearing of structural components or as impact protection during transport for load securing.

This production and recycling method conserves natural rubber resources.

The Compression Lager EcoLine does not have standard building authority approval.

The advantages in brief:

- cost-effective
- fast delivery times
- weather and ozone resistant material
- wear-free and durable
- 100% recycled material
- rot-proof
- slip resistant

## TECHNICAL DATA

### Design values

$$\sigma_{R,d} = 0.7 \text{ N/mm}^2 \times S \leq 3.5 \text{ N/mm}^2$$

### Maximum allowable rotation

$$\alpha_{a,max} = 200 \text{ ‰} \times t/a \leq 40 \text{ ‰} = 2000 \text{ ‰} \cdot \text{mm} / a \leq 40 \text{ ‰}$$

$\alpha$  is to be applied with 10 ‰ for rotation angle and  $625/a$  ‰\*mm for unevenness of the adjacent structural components.

### Maximum horizontal shear deformation

$$u_{max} = 0.2 \times t = 2 \text{ mm}$$

### Shape factor

Compressed surface / Surrounding area

### Dimensions

Bearing width:  $a \geq 3 \times t = 30 \text{ mm}$

Bearing length:  $b \geq 100 \text{ mm}$

Bearing thickness:  $t = 10 \text{ mm}$

Plate dimensions:  $1.25 \times 1.25 \times 0.01 \text{ m}$

Customised cuts are possible on request.

## CONTACT

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