

ESZ type 100 | for static component bearing

Technical documentation



Special advantages

- Load-bearing capacity up to 14 N/mm² (depending on format)
- Material > Vulcanisate based on EPDM rubber
- Proven in practice for decades
- DIBt approval Z-16.32-482
- Can be used as a point or strip bearing
- Maintenance-free and very durable
- Low creep behaviour
- Very good mechanical-physical characteristics

Intended use

The **ESZ type 100** is a compact elastomeric bearing for use as static bearing of structural elements, like steelworks, wood constructions or especially in precast concrete construction. It is used in accordance with the provisions of the general building inspectorate **approval Z-16.32-482**.

Deformation

Depending on the nature of the contact surfaces, an average bearing deflection of $\leq 40\%$ can be expected at maximum permissible loads.

Delivery form

- Precast concrete construction

Available as cuttings for all standard bearing dimensions in precast concrete construction with boreholes, cut-outs and bevelled cuts.

Nominal bearing thicknesses: 10, 15, 20, 25 and 30 mm.

- Use for in-situ concrete

The bearing can be supplied pre-fabricated with a dummy formwork for use in in-situ concrete. The formwork can be produced for strip and point bearings. This applies to all available bearing thicknesses of 10, 15, 20, 25 and 30 mm for in-situ concrete use.

Temperature range

The temperature application range is between -25 °C and $+50\text{ °C}$.

The bearings may be exposed to temperatures of up to $+70\text{ °C}$ for short, recurring periods of less than 8 hours.

The **ESZ type 100** elastomeric bearing can be used both indoors and outdoors.