

- **Description of parts and functions:**

GMT bushes are structural elements, in which an outer and an inner precision sleeve are firmly held together with a layer of vulcanized elastomer. As a standard, a natural rubber is used as a damping material. Alternatively, however, other elastomers in different shore hardnesses can also be used.

The cylindrical liners dampen axial as well as radial movements and are able to absorb torsional movements as well as cardanic deflections.

Beside the most important dimensions, the general tables also include the maximum values for the static load. For a dynamic application, the values must be reduced to approx. 50%. For cardanic applications, it must be noted that the elastomer layer between the liners may be pressed together by 1/6 of the rubber's thickness.

The application temperatures for natural rubber are between  $-30^{\circ}\text{C}$  and  $+70^{\circ}\text{C}$  (for brief exposure up to  $+90^{\circ}\text{C}$ ).

During installation, it must be ensured that the joining forces are not conducted through the elastomer. To ensure a flawless installation, the drill holes should show a burr-free chamfer of approx.  $15^{\circ}$ .

- **Dimensions:**

