



## STANDARD BUSHINGS STD Line™

Sibo's STD Line is a line of **standard bushings** with SIBO tolerances ( $\varnothing$  Outside u6 –  $\varnothing$  Inside C8) that undergo casehardening and tempering treatment with casehardening depth of 0.8-1 mm and Hardness HRC 58-62.

When the bush undergoes this special thermal treatment to fully enhance its characteristics, it is suitable for use in workplaces requiring excellent resistance to wear and tear and seizing. The smoothness obtained with this cycle reduces the friction factor and consequently makes the bush more efficient.

The use of these bushes, after an initial greasing cycle, enables a lubrication interval of up to 550 h. max. (the interval varies based on the working conditions).

The STD line consists of a standard range of types (see page at side), which are able to enhance and meet the customers' requirements to the full; furthermore in most cases (the most popularly sold types and dimensions), they are available from stock. Sibos can also manufacture other types of bushes (see *special bushes*) on request and according to the customers' drawings. Each bush is traceable and identifiable thanks to the indelible marking on each piece, which identifies the lot. Superficial needed treatments, different heated cycles or special marks are made on customer request.



## EVO<sup>™</sup> BUSHINGS

The needs of our customers have resulted in the new **B.EVO** bushing, an **innovative** product that will meet the needs of the most demanding customer.

This special bushing is designed to have **a longer life and a lower friction coefficient**. The special combination of more specific treatments make it exceptionally resistant to wear and seizure. In addition, the special internal grooves allow excellent distribution of the lubrication that ensures continuous and homogeneous lubrication.



## CUSHION BUSHINGS

The expertise and solid experience in producing steel bushes have enabled Sibo to add a new product range: cushion or shock-absorbing bushings.

The **cushion bushings** are fitted inside hydraulic cylinders and “brake” the actual cylinder, avoiding sudden stopping and jerking movements of the machine.

To produce these special bushings, Sibo uses special casehardened steel that avoids sudden breakages (crashing) and guarantees “precision” machining thanks to our highly specialized and innovative machinery. There is no real standard for this bush because the market is rather fragmented and there are different machining specifications.

Sibo is able to meet any request and can perform inclined milling processes (flat, curved), front milling processes (square and curved) and grinding of planes, threading etc.



## FLANGED BUSHINGS

Sibo also offers flanged bushings, which are special **bushes with a flange** (or collar) that are mainly used in the jointed parts of rear excavators.

Sibo manufactures these bushes in all the types offered for standard bushes and in the special versions. Special versions upon customer request are also available, such as front spiders



## CUSTOM BUSHINGS

The experience gained from over 30 years of production has allowed us to be able to create and implement various types of bushings with particular grooves and of different depths. These **custom bushings** are made to customer specifications and as such are not kept in stock but produced upon request. Here are a number of examples of special types of processing, broken down by type and with a table that suggests the most appropriate sizes.