

## BALL GUIDANCE / BALL CENTERER



### LUBRICATION

In order to ensure long durability for BOLEXP ball bushes, proper lubrication and maintenance are a must. The channels that the balls run along must be free of any interfering particles. Moreover, it is recommended to use oil lubrication so as to ensure proper lubrication for the whole of rolling items and, if necessary, to remove all impurities.

We suggest the use of CLP oils according to DIN 51524, within the range of viscosities from ISO VG 64 to 100.



BOLEXP ball bushes are supplied oiled for its conservation and must be lubricated when necessary. The conservancy fluid is compatible and can be mixed with mineral-based lubricants, making it unnecessary to wash bushes before assembling them.

### SHAFT EXECUTION

Shafts for Bolexp ball bushes must be hardened and ground. The ends require a tapering so that rollings cannot be damaged during the assembling. In order to fully benefit from high travel accuracy and load capacity of BOLEXP ball bushes, the shafts around which bushes slid must exhibit the best quality and a properly hard layer.

### ASSEMBLING AND FIXING

BOLEXP ball bushes can be mounted either in holes with tolerance H7 or in such a way that they can be manually slid into their cartridge.

Never hit them with hammers or any other impacting tool. Otherwise, the Bush structure could be damaged.



It is recommended to mount at least two units in parallel disposal so as to avoid possible rotation motions in the travelling of items. Bush length is also suggested to be at least twice its diameter in order to minimize the rotation motion of balls, whenever this is possible.

Rotation motions are not advised in this type of bushes. Whose function is that of translation.