

## Installation

### Installation with cone rings



**High-speed-drive** is available with cone rings to fit bottom bracket shells of 33.6 up to 34.5mm of inner diameter.

**High-speed-drive** doesn't need the threads of the bottom bracket shell. Therefore: no matter, if the bottom bracket has left hand, right hand or no threads.



The conical parts of either gear housing and the lock nut center the unit perfectly.

For perfect results, it is most important, that the bottom bracket shell is correctly chamfered.



**The outer diameter of the conical part must be between 39.0 - 40.0mm.**

**High-speed-drive** just comes with an aluminum cone as part of the housing. This is ideal for steel b.b. shells. For aluminum bottom bracket shells, we deliver a special Loctite (aluminum-aluminum adhesive), which gives best results for the installation into an aluminum bottom bracket shell.

**With aluminum b.b. shells, the wall thickness of the shell must be at least 3mm. Please contact us in case of thin walled tubes.**



The milling cutter is available as an accessory.

In most countries, we have a rental service for this tool. Please ask us.



To tighten the lockring, please use the box spanner of our "profi" tool set. It's the easiest way to tighten it with the recommended torque of 100-110 lb ft, which is required to hold the gear housing against the reaction torque. The spanner is guided by the spindle, and provides a safe tightening without the danger of slipping.



This box spanner can be combined with a 1/2" torque wrench.