

Haberstock Mobility - Schlumpf Speed Drive

Installation

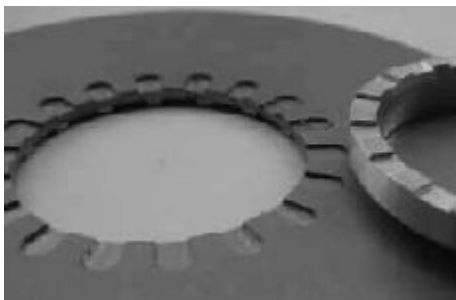


Slide the **speed-drive** into the empty bottom bracket shell and tighten it with a nut on the left side. That's all!

Speed-drive doesn't need the threads. It fits into bottom brackets with a diameter between 33.6 and 34.5mm (most bikes have bottom brackets of this size).



Speed-drive is centered by a conical ring on the right side. On the left side, the nut has a 45° shape to center the unit perfectly within the bottom bracket. **speed-drive** never uses a torque lever. The bottom bracket shell therefore has to be chamfered before the installation.



The black plate of the gear housing has milled grooves for the "teeth" of the cone ring. This makes sure, that the cone ring can't spin under heavy load.



Cones are available in the following widths:
0.5mm / 2mm / 4mm / 6.5mm



Use an aluminum cone for steel bottom brackets, but a knurled steel cone on the right side for aluminum bottom brackets. Do not install **speed-drive** into thin aluminum bottom bracket shells with wall thickness of less than 3mm. The conical rings exert considerable force that could damage the shell.



Chamfering the shell to an outer diameter of 39.5 - 40mm



The milling cutter is available as an accessory.

In most countries, you can hire this tool. Please ask us.



To tighten the lockring, please use the box spanner of tool set 2.

It's the easiest way to tighten it with the high torque of 100 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.