

## “Omega” skiving knife design versions

The skiving knives are available in two versions. The standard design, Version M, has two cutting inserts arranged one behind the other. With a cutting insert in front and a support insert behind, Version Q works especially well for cross holes.

Converting from Version M to Q is easy: simply replace the cutting insert with a support insert.

The support inserts improve the cylinder's form by:

- Guiding the knives at the beginning of the skiving process
- Limiting the oscillation of the knives, thereby reducing rippling along the length of the cylinder
- Supporting the knives over the cross holes

A precisely scaled central adjusting screw allows the knives to be adjusted even when they are already mounted in the tool. The knives no longer need to be pre-adjusted. (**NOTE:** the 6-knife OMEGA skiving head occasionally requires pre-adjustment.) The only reason for disassembling the knives is to turn them (to expose the other cutting edge) or to exchange them.

### **Advantages:**

- Less machine down time due to central adjusting screw
- Quicker mounting and disassembly of the skiving knives

The skiving head and the rolling head are connected through a new interface. The complete skiving head can be removed by unscrewing two set screws even while the RDO tool is still mounted in the machine.

### **Advantages:**

- Less time required to exchange rollers and cage
- Machine down time reduced