



Advantages of the HSK Tool Clamping System

- ① Stiffer and more rigid connection between the tool and spindle
- ② Higher spindle speeds are possible because the taper is gripped from the inside — higher speeds actually increase clamping forces
- ③ Excellent repeatability and accuracy
- ④ Better surface finish capabilities
- ⑤ Improved rigidity for long tools – tools rest in clamped position on the flange
- ⑥ Improved carbide insert life
- ⑦ Reduced taper height and hollow taper results in lighter tools
- ⑧ Faster tool change is possible because the tool taper is shorter
- ⑨ Tool clamping stresses are confined to the front of the spindle
- ⑩ Cost should not be significantly higher than standard taper