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**Supermini system with HSK interfaces**

Horn is expanding the Supermini tool system with new holder variants. The holder range is specifically aimed at use in modern mill-turn centres. The tool manufacturer is thus reducing the number of interfaces between the insert and spindle compared to conventional chucks. This enables greater precision and higher process reliability. Horn offers the holder system with various machine interfaces, including: HSK-T63, HSK-E40 for Willemin-Macodel, HSK-A40 for Bumotec and HSK-T40 for all other multitasking machines. In all versions, the Supermini insert is located and removed using a face clamping and lifting system. Clamping is achieved not via the lateral surface of the tool, but via a wedge on the end face. This raises the force with which the insert is held, resulting in high rigidity of the overall system.

Boring, profile turning, internal grooving, threading, chamfering, axial grooving, drilling and slotting. The Supermini tool system can be adapted and used for numerous machining operations. The solid carbide insert is for machining bores from 0.2 mm to approximately 10 mm in diameter. Horn developed the tool blank as a teardrop shape, enabling precise contact surfaces in the tool holder. Furthermore, the shape prevents the insert from twisting, leading to a consistently precise tool centre height. With long tool overhangs, it reduces deflection and minimises vibration during the turning process. Depending on the application and the diameter to be machined, Horn offers the insert in three different sizes (types 105, 109 and 110). All variants allow for internal coolant supply directly to the cutting zone. The Horn tool portfolio contains approximately 2,500 different standard variants of the Supermini. In addition, Horn has solved users' problems with countless customised solutions.

*1.816 characters incl. spaces*

Ein Bild, das Zylinder, Silber, Im Haus enthält.

KI-generierte Inhalte können fehlerhaft sein.

photo caption: In all variants of the holder programme, the Supermini cutting insert is held using a face clamping wedge with lifting element. This results in a greater holding force of the insert and thus high rigidity of the overall system.

Source: Horn/Sauermann



photo caption: HORN offers the holder system with different machine interfaces.

Source: Horn/Sauermann

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