

Walter launches new indexable inserts with positive geometry

Walter AG expands its Tiger•tec Silver® range as of March 2014 with three efficient, positive, steel cutting geometries. The indexable inserts for steel machining are available in the proven WPP10S, WPP20S and WPP30S Tiger•tec Silver® cutting grades.

FP4 is optimised for finishing steel and achieves the best surface finish quality and chip control for exact precision machining.

MP4 for mid-range steel machining is the universal design of the three new inserts and is particularly well suited to machining long-chipping materials. The geometry is available with two clearance angles (7° and 11°), as well as in a precision-sintered and a precision-ground design. The clearance angle of 11° enables machining of smaller diameters. Precision grinding provides an indexing accuracy which is twice as accurate as sintering and ideal for precision finishing.

RP4 has a very stable cutting edge for roughing forged steel parts or casting skins. This insert is first choice for maximum machining volumes. The FP4 and MP4 geometries were optimised in particular for short chip breaking.

The positive basic shape offers a host of advantages: lower cutting pressures and a softer cutting action for machining smaller diameters or very long, unstable components. Tiger•tec Silver® in combination with the new geometries allows an increase in performance of up to 75 percent.

