

## WWX INDEXABLE MILLING CUTTERS SERIES EXPANSION - NEW WWX200

Mitsubishi Materials has added a smaller type, the WWX200, with 09 size inserts to complement the versatile WWX400 series of true 90° corner milling cutters for face, shoulder and copying applications. Featuring economical double-sided trigon inserts with 6 cutting edges, WWX has been designed to meet all the needs of the modern metal cutting industry and is now especially suitable for smaller components and lower powered machine tools.

### Precision and reliability

The innovative and accurate geometry of the insert pocket, together with precise locating of the inserts on the tool body, ensures that a true 90° wall can be machined on components. In most cases, this eliminates the need for secondary finishing operations, thereby saving valuable production time and costs. WWX400/200 cutters can perform at high feed rates to ensure usability and efficiency across a wide choice of applications. The body features four contact faces inside the insert pocket, plus the use of a large screw, that provides high insert clamping strength and stability without compromising accuracy. This means it can be used for semi-roughing as well finishing operations. To further enhance usability and dependability, each body has internal through coolant channels that exit to supply high pressure cutting fluid directly at each insert.

### Innovative and economical inserts

The unique carbide inserts feature 6 usable cutting edges that offer lower costs and excellent process reliability thanks to a negative seating geometry but provide a positive sharp cutting action. This generates low cutting forces and together with an increase in insert thickness compared to conventional types, also provides excellent resistance to breakage.

### Low cutting resistance

A double-sided insert but with an axial rake angle of 9°



Furthermore, a high maximum depth of cut of up to 8.2mm enables efficient shoulder milling capabilities. In order to meet component surface finish expectations, the bottom of all inserts feature a large radius geometry that acts like a traditional wiper.

Three different chipbreakers are available, the L, M and R breakers for light, medium and rough machining respectively. These can be matched with an extensive selection of 8 different coated and uncoated carbide grades, providing choices that ensure the ideal combination can be chosen to effectively machine a wide range of materials.

### Sizes

The new WWX200 series of arbor type face mill cutters are available from Ø40 - Ø160 in coarse, fine and extra fine pitch geometries. Shank types from Ø25 - Ø50 can also be ordered.

Insert size  
WWX200 9mm  
WWX400 14mm



Insert Thickness  
WWX200 6mm  
WWX400 9mm

