

Innovate

SECO Tools Introduces Double Turbo Square Shoulder Mills & Inserts

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For manufacturers who struggle to achieve superior part surface finishes without high machine power consumption, SECO Tools has expanded its industry leading line of square shoulder milling cutters with the new Double Turbo. The cutters improve roughing operations and reduce power consumption in steel, stainless steels, cast iron and high-temperature alloys with an advanced cutter geometry. For the highest level of productivity, the tools utilize double-sided inserts with four cutting edges and state-of-the-art SECO Tools milling grades.



SECO Tools' newest addition to its line of square shoulder milling cutters, the Double Turbo.

The Double Turbo meets the needs of both job shops and mass production facilities. This system features a highly accurate geometry with the most positive helix angle possible to reduce the likelihood of surface mismatches and enable impressive 90 degree angle accuracy. With such precision, finishing cycle times are significantly shortened or, in some cases, completely eliminated. Double Turbo cutters are available in 19 metric variants ranging from diameter 32 mm to 125 mm and 16 inch variants ranging from 1.25" to 5".

The ZOMX16 inserts have high, positive geometries for effective chip evacuation and reduced cutting forces. These features minimize vibrations for extended tool life and smooth surface finishes. The double-sided design provides significant cost-per-edge savings. The ZOMX16 inserts include two geometries, ME10 and M12, and two radii, 0.8 and 1.6. Both PVD and Duratomic® CVD grades are available.

The Double Turbo square shoulder cutter design uses materials and resources with greater efficiency, resulting in a reduction of greenhouse gas emission (CO₂) for a more sustainable and responsible choice.

In the short video above, see how the SECO Double Turbo Square Shoulder Mill works on three different materials: steel, cast iron and stainless steel. Notice the chip evacuation process of this square shoulder mill and how you can gain significant savings on cost per edge with double-sided inserts. Start increasing your productivity when milling with the Double Turbo 16 from SECO Tools.

Previously Featured on SECO's YouTube channel.