



Contact:

Seco Tools (UK) Ltd
Adams Way, Springfield Business Park
Alcester, B49 6PU

www.secotools.com

Doré Collett
Phone: +44 7790820289
dore.collett@secotools.com

BOOST STABILITY AND TOOL LIFE WITH OPTIMIZED SOLID END MILLS

, September 2021 - In its continued effort to provide the most cost-effective tooling solutions available, Seco Tools has announced a new family of flexible, highly productive solid end mills, the Seco JSE510 series. Redesigned to offer the rigidity, chip control and tool life to achieve the lowest possible costs per meter machined in steels, stainless steels, cast iron, titanium and some aluminums, these solid end mills provide exceptional process reliability across a broad application range.

New design combines reliability and unparalleled versatility

The reoptimized design of the new JSE510 offers unparalleled versatility based on the previous version of this product range. The new series targets general engineering, contract manufacturers and job shops, as well as the aerospace, medical and automotive industries. The design is reoptimized to stand up to tough milling applications with a versatile carbide grade, advanced polished SIRA coatings and a strong, sharp cutting edge. To extend tool life further, these tools offer vibration-damping variable pitch design and optimized helix.

"These solid end mills offer productivity in less-stable machining conditions or when pushed hard to balance productivity and tool life cost effectively," said Rob Mulders, Solid End Mills Global Product Manager. "This versatility makes the JSE510 series particularly useful when shops face increased costs in required tooling because of a greater variety of applications and materials. For these shops, the new tool series' expanded application window allows them to reduce their tooling inventory without affecting their ability to maximize throughput."

Multiple tools, geometries and lengths

The Seco JSE510 family includes 216 tools in four geometries, with two length variants in the three and four-flute version, normal (LV2) and long (LV3). The two-flute JSE512 easily handles the large chips produced in helical interpolation or peck drilling, keyways and slotting applications, while the three-flute JSE513 offers universal milling performance for ramping, full slotting and side milling. The four-flute JSE514 is ideal for optimized side milling and slotting, as well as dynamic milling. Finally, the ball-nose end mill geometry of the JSB512 offers the flexibility required for finishing parts and other ball-nose applications.

For additional information about the features and performance of the new Seco JSE510 series, visit the Seco solid end mills product page.

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With its origins in Fagersta, Sweden and present in more than 75 countries, Seco Tools is a leading global solution provider of metal cutting solutions for indexable milling, solid milling, turning, holemaking, threading and tooling systems. With the hands-on application advice of Seco Tools, the company drives excellence for more than 80 years throughout the entire manufacturing process of manufacturers by ensuring high-precision machining and high-quality output. For more information on how Seco innovative products, expert services, knowledge and experience bring success to manufacturers across all industry segments, please visit www.secotools.com.