

CoroMill® 690

A modern tool for titanium milling



Elevate your aerospace efficiency

The CoroMill[®] 690 long-edge cutter was developed for effective 2D profiling, pocketing and edging of titanium. With the range of tools now extended, CoroMill[®] 690 offers a complete assortment to optimize the machining of aerospace components.



High pressure coolant

690

Coolant supply is vital for successful titanium machining. It should be applied in large quantities and if possible, at high pressure. CoroMill 690 has a large number of threaded outlets for high pressure coolant in every insert pocket, enabling maximum pressure to be applied when required.

Tool life can be doubled using high pressure coolant, compared to normal pressure, as the re-cutting of chips that can damage the tool is avoided.



Assortment

Cutters available in diameters 40 – 100 mm

- 2 insert styles:
- iC 14 mm for larger diameters iC 10 mm – smaller diameters and closer pitch on large diameter for profiling

The choice of pitches optimizes the application, allowing you to choose a pitch based upon the radial engagement:

Coarse pitch: for large up to full slot for longer overhangs

Extra close pitch: for 2D edging with up to 30% radial engagement

Choice of the most common radii: 0,8 – 6.4 mm

Grades: GC1030 and GC2040 in -SL geometry, optimized for titanium edging



Advanced tool holding

CoroMill[®] 690 takes full advantage of an extended tool holder programme.

Coromant Capto[®]: Stability and modularity with the shank clearance essential for machining long overhangs and reaches

HSK: Integrated cutters offer higher stability and the possibility to work with shorter overhangs closer to the spindle



iLock[™] interface

The pyramidal inserts are locked to the interface to give rigid stability and accurate performance.

The unique iLock interface secures the insert in all tip seats to combat axial cutting forces and optimize the chip flutes. This maximizes machining security.

- $\boldsymbol{\cdot} \text{Stable inserts}$
- Increased feed
- $\cdot \, \text{Longer cutter body life} \\$
- $\boldsymbol{\cdot}$ Optimized chip flow



For more information please visit www.aero-knowledge.com or www.sandvik.coromant.com

Your local Sandvik Coromant distributor:

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Your success in focus