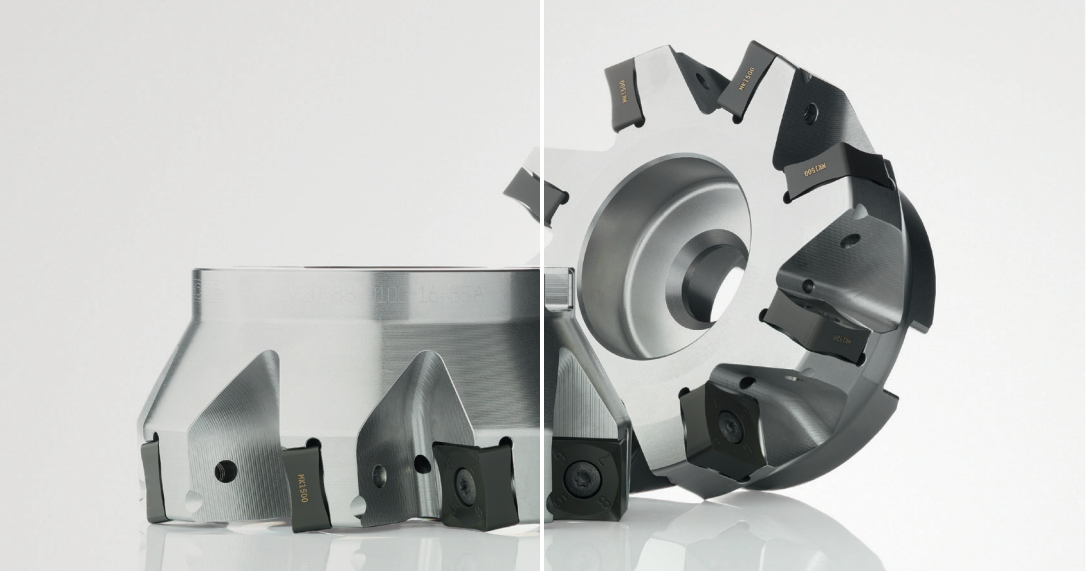


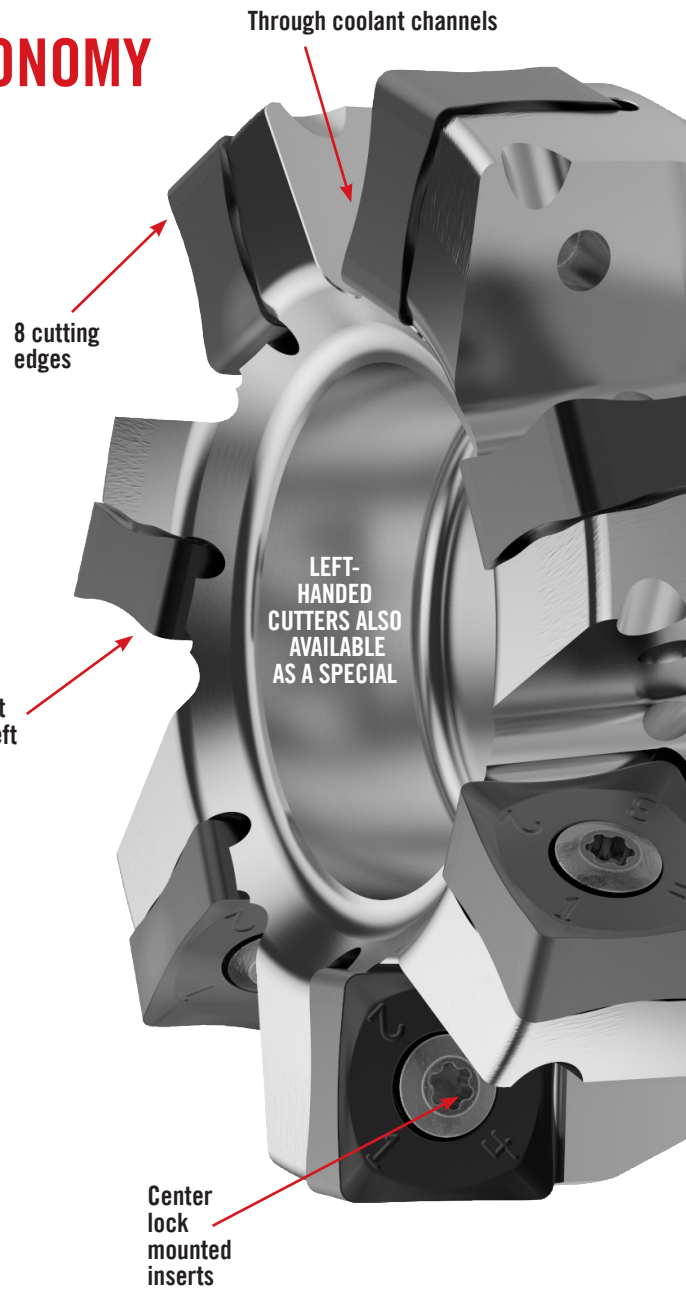
SECO PRODUCT SUMMARY

FACE MILLING

GET FACE-TO-FACE WITH BETTER ECONOMY

R220.88 CUTTER

Gain the ability to machine close to sidewalls, fixture clamps or other obstacles in the machining process with our R220.88 cutter that incorporates an 88° lead angle. Meet today's needs for an economical near 90° face milling solution via eight cutting edges per pocket for high d.o.c capabilities and smaller Inscribed Circle (I.C) insert to enhance the cutter's economy.



YOUR BENEFITS

- Diameters from 2" - 6" (50 - 160 mm) as standard
- Max d.o.c 0.070" (1.8 mm)
- Roughing/semi-finishing face milling applications
- Integrated wiper flat for improved surface finish
- Optimized geometry and grade for steel and cast irons
- Right handed version as standard

HEAVY EDGE PROTECTION

- **SNMU120410TN** - Max d.o.c 0.354" (9 mm), Insert corner radius & wiper 0.039" (1 mm)
- **SNMU160612TN** - Max d.o.c 0.511" (13 mm), Insert corner radius & wiper 0.047" (1.2 mm)
- **Geometries:** M10, MD13, MD16
- **Grades:** MK1500, MK2050, MP1500, MP2500, MS2500 and F40M

MATERIAL GROUPS
Steels P1-P12
Cast Iron K1-K7

M10, MD13 & MD16

An integrated wiper flat ensures a good surface finish in semi-finishing operations. The positive **M10** geometry addresses various demands in the machining process for both size 12 and size 16. The **MD13** geometry offers heavy edge protection for size 12, while the **MD16** provides the same benefit for size 16.

SECO R220.88

PRODUCT SUMMARY

INDUSTRY TARGETS

- **Automotive & Heavy Truck:** The combined edge geometry and grade options make this ideal in these applications. Think about differential housings, transmissions, carriers, blocks, calipers.
- **Agriculture & Earth Moving:** Many components made in these industries are the right materials for this type of tool. Engine blocks to large forging components.
- **General Machining:** Low cost solution. This cutter fills the gap area, where Square 6™ (max d.o.c = 0.295”), and Double Octomill™ (max d.o.c = 0.236”) do not offer enough depth capability. The need for higher depth to reduce the number of step passes is critical to reduce time in cut in a process.
- **Oil & Gas:** Materials used in the oil and gas industry are demanding, and tend to wear tools quickly. There may be sub-components using lighter duty materials that this tool could be applied to.

FEATURES	ADVANTAGES	BENEFITS	INVOLVEMENT
Optimized Body Design	• Reliable machining process • Optimal chip evacuation from the cutting zone • Decrease risk of insert breakage and re-cutting of chips	• Improved machining process (less risk of machine down time) • Better tool life • Process security	• How important is tool life for you? • What effect would better process security have for you? • How would you like to improve your machining operation and reduce cost?
8 Cutting Edges	• Lower cost per edge • Less inventory	• Economical benefit to customer • Fewer insert changes	• How important is cost per edge to you?
Corrosion Resistant Material	• Positive environmental impact with elimination of the nickel coating • Material optimized for cutter longevity	• Attractive appearance with post treatment to prevent marking of the cutter from handling and machining • Very durable for Face Milling operations	• How important is • your impact on the environment? • How important is the longevity of the cutter body to you and your company?

ECONOMICAL | REDUCED CUTTING FORCES | LONGER TOOL LIFE

P-1901-1000 GT19-536 R220.88 Cutter Product Summary