



NEW

Machining flow in cast iron

The new MaxiMill – S-Power face milling system
unleashes the maximum number of teeth

CERATIZIT is a high-technology engineering
group specialised in cutting tools and hard
material solutions.

Tooling a Sustainable Future

ceratizit.com



CERATIZIT
GROUP

Welcome!



Placing your order is quick and easy

Customer Service Centre

Freephone Number

UK: 0800 073 2073

Ireland: 1800 93 22 55

Freefax Number

UK: 0800 073 2074

E-Mail

info.uk@ceratizit.com



It couldn't be easier

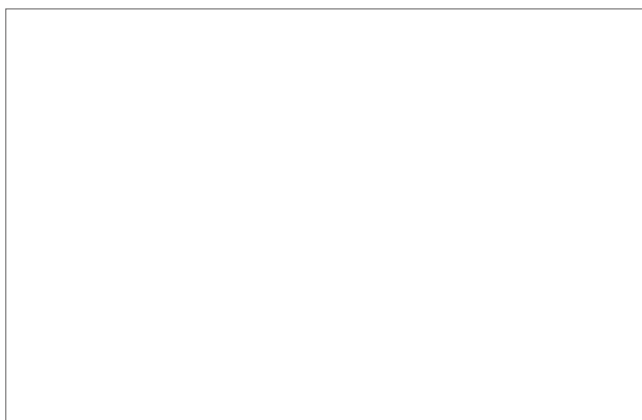
Ordering via the Online Shop

<https://cuttingtools.ceratizit.com>




On-site technical support

Your Local Technical Sales Engineer



Your customer number



**Glide through cast
iron with the maximum
number of teeth**



MaxiMill – S-Power

Smooth cuts in cast materials

Cast iron machining can be tricky, with issues like heavy tool wear, extreme burr formation and fractures on workpiece edges potentially jeopardising efficiency.

Our new MaxiMill – S-Power sets new standards when it comes to face milling cast materials. With a high tooth count and double-sided indexable inserts, the system offers optimal performance and a highly stable, low-vibration construction. What's more, the innovative double wedge clamp also ensures that the indexable inserts are easy to use and securely attached in no time.



MaxiMill – S-Power unleashes the maximum number of teeth

The milling cutters in the MaxiMill – S-Power series boast an impressive number of cutting edges. But how does it all work? The **setting angle of 88°** enables a **high tooth count** and small chip spaces. **Double-sided indexable inserts** with eight actual cutting edges made from selected substrates and with DRAGONSKIN coatings ensure high performance with a **smooth cutting action**. The sturdy construction with **robust insert seat** and **double wedge clamp** guarantees a secure hold and **high axial and radial run-out accuracy**.



Why is the MaxiMill – S-Power the right solution for you?



Higher indexable insert strength compared to the competition

Provides exceptional removal rates



Feed reduction possible

Fractures on the casting wall avoided



Double wedge clamp as standard

Easy handling and quick insert changes



Positive cutting edge design

Prevents burr formation and fractures on workpiece edges



Maximum number of teeth on the milling cutter diameter

Highly cost-effective due to maximum speed



Peripherally ground indexable inserts

High axial and radial run-out accuracy



Asymmetrical insert seat

Reduces vibrations



Wear-resistant indexable insert grades with PVD or CVD coating

Long tool life

Machining flow in cast iron

The MaxiMill – S-Power perfectly complements our face milling system portfolio and is a genuine pro when used on cast iron components made of GJS, GJV and GJL. The MaxiMill – S-Power milling cutters are available in standard diameters of Ø 56-125 mm.

A maximum depth of cut of around 8 mm and reduced feed rate values between 0.08 mm and 0.15 mm minimise fractures on the casting wall, while maintaining high efficiency thanks to the high number of teeth.

The setting angle of 88° permits this maximum number of cutting edges, and the peripherally ground indexable inserts provide close tolerances and high surface quality.



- ▲ ISO-P / ISO-K range of indexable inserts
- ▲ Cutting edge geometry M
- ▲ Corner radii of 0.4 mm, 0.8 mm and 1.2 mm
- ▲ Carbide grades CTPK220, CTCP230





Do you want to shorten your production times to boost your efficiency?
Simply scan the QR code to access more information, prices and
availability for our MaxiMill – S-Power!





CERATIZIT UK & IRELAND LTD

Europa Link \ UK-Sheffield S9 1XU

Tel.: +44 114 242 8 820

info.uk@ceratizit.com \ www.ceratizit.com



We reserve the right to make technical changes and product improvements.

NW-45-24-01037 - EN