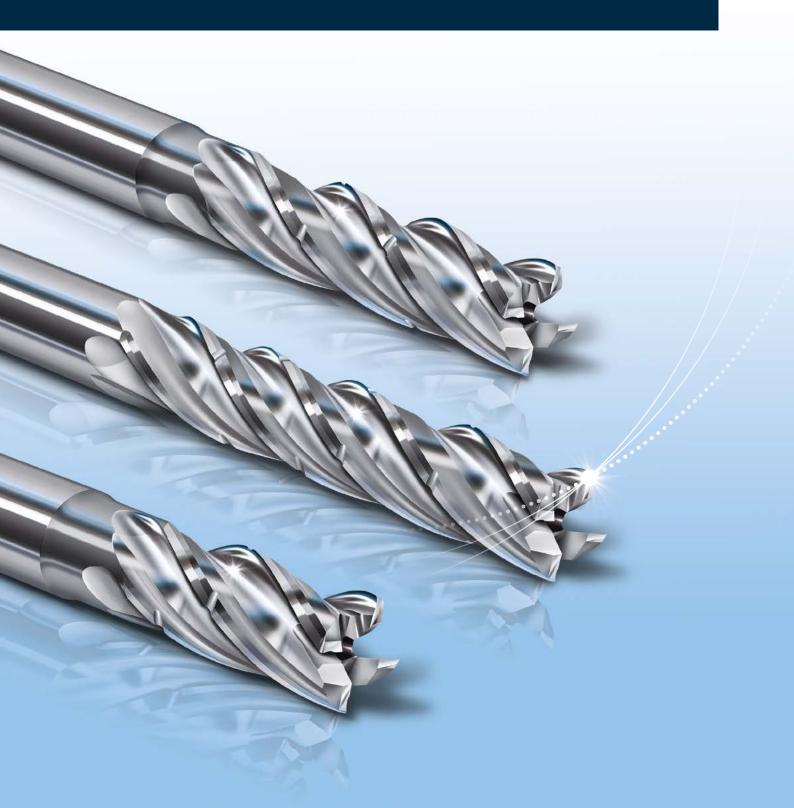


### MFC Alu – Multifunctional High-performance Milling of aluminum and non-ferrous metals



Impressive market innovation from FRAISA: The completely newly developed milling system **MFC Alu** is the first four-edged, high-performance milling cutter for machining aluminum, copper, plastics and other non-ferrous metals.

This means that the multifunctional highperformance milling is finally finding its way into these materials as well, providing a unique milling experience thanks to revolutionary and perfectly coordinated tool technologies extremely easy-cutting and quiet. The multifunctional tools are ideal for carrying out various applications at a high performance level - regardless of machine concepts, spindle speed or dynamic ranges. This makes the new milling system the best choice for all industries and components. It can be used for a machining depth of up to 5.2xd as well as for the extremely efficient HDC machining (High Dynamic Cutting).

You can benefit from the various application options and increase your productivity by using the **MFC Alu** – the newest benchmark for the machining of aluminum and non-ferrous metals.

#### The advantages

- Multifunctionality to simplify the entire production
- Maximum chip removal rate through state-of-the-art technology
- Perfect surface qualities during finishing

- Impressive milling experience extremely easy-cutting and quiet
- Significant reduction of production costs
  - **HDC** high performance and reliable for smaller machining forces

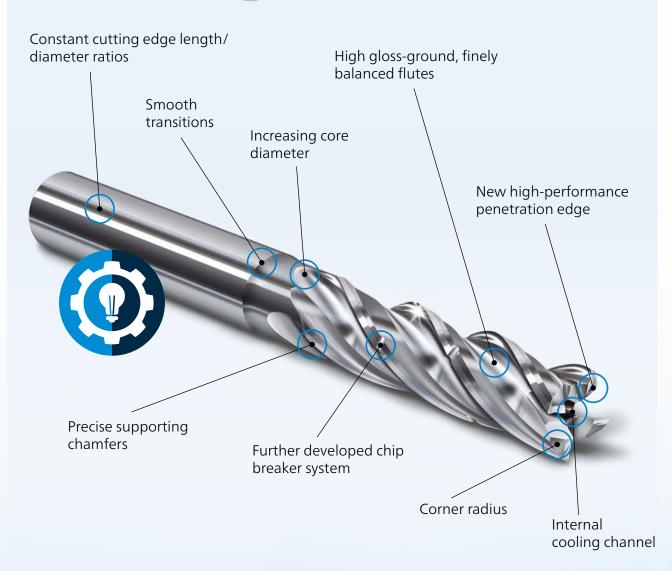


Discover interesting information about **MFC** and experience the **MFC** Alu in use.



[2]

## **Technologies**



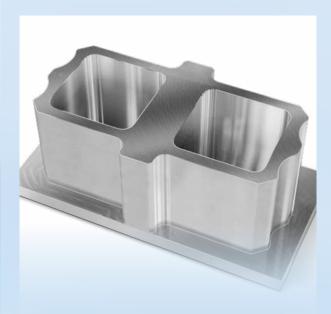
- Outstanding surface and component qualities
- Easy to use: Shorter machine setup times and fast application
- Flawless chip removal thanks to chip breaker system
- Perfect application data in the FRAISA ToolExpert®
- Higher productivity, automation and reproducibility
- Sustainable service offers with FRAISA ReTool®Services

## **MFC** – simplification of the entire production process through multifunctionality

The challenge in production is to find the optimum combination of the milling strategy and tool selection. Targets like an increase in productivity and performance, a longer tool life, process reliability, reduction of costs or an improvement of component quality have to be taken into account at all times.

The faster, simpler and securer a new application case can be solved, the more competitive and effective production becomes.

And right here, the multifunctional high-performance milling (MFC) of FRAISA comes in as the problem solver: The target of the MFC product development is to simplify the production process without a loss in performance. This allows you to focus on your expertise in CAD-CAM programming and further increase your competitiveness.



### Direct data integration via online interfaces

Through the integration of an XML or JSON interface, a direct import of cutting data from the FRAISA ToolExpert® into the CAM or TDM system is possible. Time requirements and the susceptibility to error are significantly reduced compared to manual data entry.



Here you can find an overview of CAD-CAM interfaces with outlined functions and available tool groups.

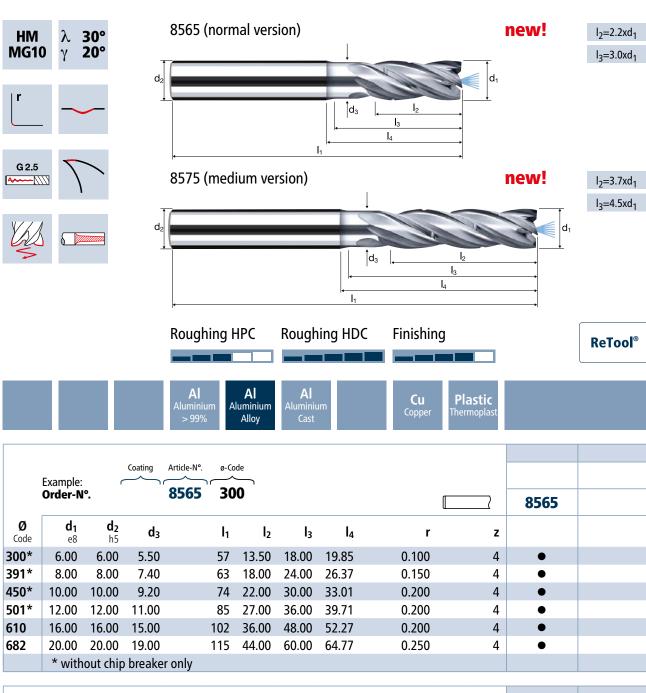




#### Cylindrical/Square end mills MFC Alu

Smooth-edged, chip breaker, short neck High-performance penetration edge, central air/cooling channel





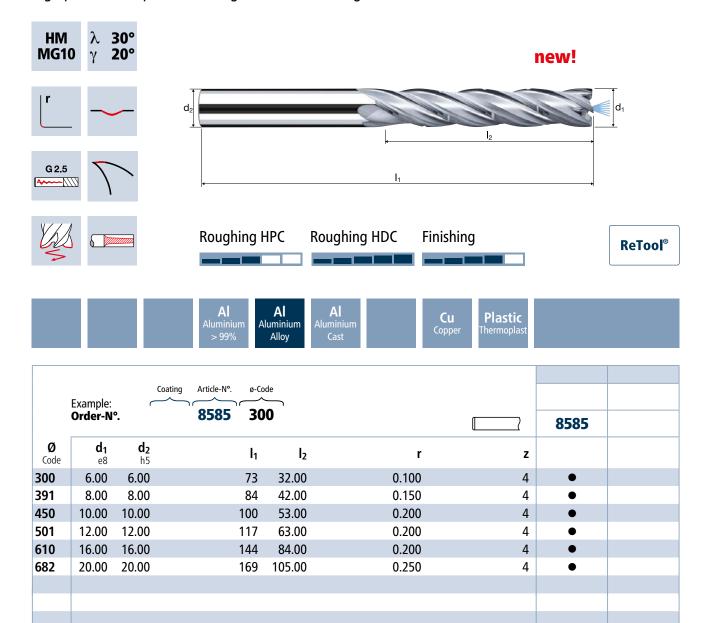
	Example: <b>Order-N</b>		Coating	Article-N°. ø-Co	$\overline{}$					8575	
<b>Ø</b> Code	<b>d</b> <sub>1</sub> e8	<b>d</b> <sub>2</sub>	d <sub>3</sub>	I <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	r	Z		
300	6.00	6.00	5.50	65	22.50	27.00	28.85	0.100	4	•	
391	8.00	8.00	7.40	76	30.00	36.00	38.37	0.150	4	•	
450	10.00	10.00	9.20	90	37.00	45.00	48.01	0.200	4	•	
501	12.00	12.00	11.00	105	44.50	54.00	57.71	0.200	4	•	
610	16.00	16.00	15.00	125	60.00	72.00	76.27	0.200	4	•	
682	20.00	20.00	19.00	145	74.00	90.00	94.77	0.250	4	•	

[6]

#### Cylindrical/Square end mills MFC Alu

Smooth-edged, chip breaker, version 5.2xd High-performance penetration edge, central air/cooling channel





Further information can be found in our High-performance milling tools catalog.

#### **High-precision cutting data**

The FRAISA ToolExpert® offers an optimal base for reliable and efficient use of the new **MFC Alu** tools.

Check out FRAISA ToolExpert® and see the advantages for yourself:





# Optimized User Experience: Use the advantages of the new FRAISA webshop



The individual and simple handling thanks to intuitive user navigation and extensive **filter options** 

A responsive design guarantees an **optimal website view** on different kinds of end devices

Direct link to the **FRAISA ToolExpert**® to retrieve the perfect cutting data

Download of relevant CAD data as well as information about new promotions, stock levels and availabilities

Discover the new **FRAISA webshop**:









Scan this QR code to find more information on the FRAISA Group.

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