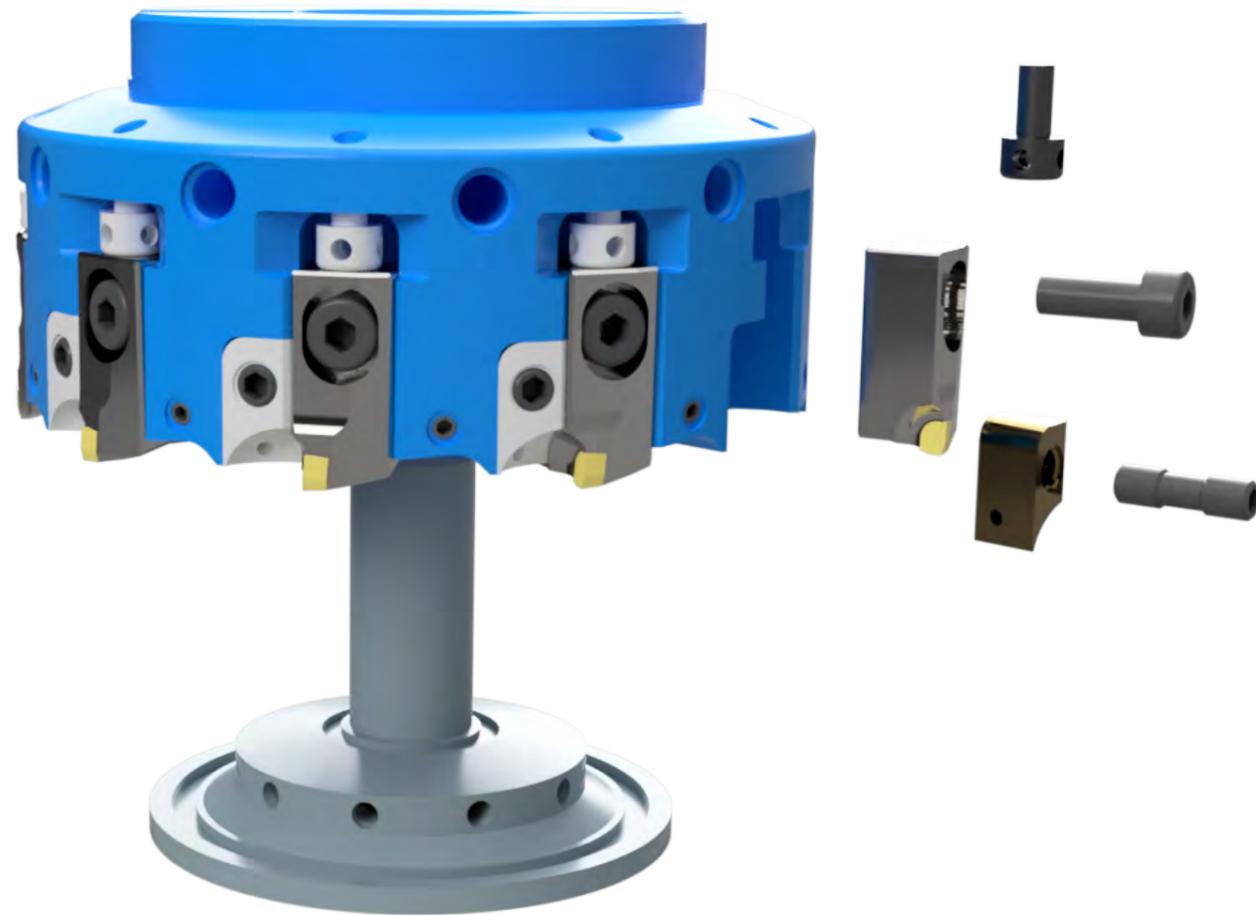


**DPM02** 

High performance  
PCD face milling cutter  
with cartridges



## Great face milling flexibility

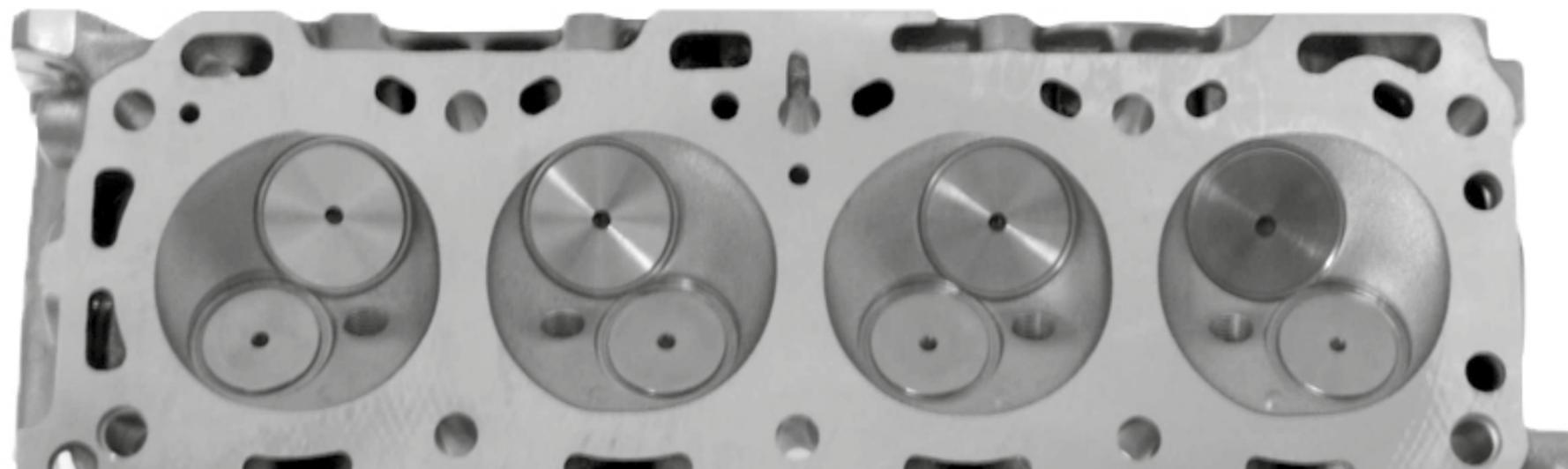
The newly developed PCD face milling cutter opens new horizons in the face milling process, with a very strong and light tool construction becoming a high performance tool. It is suitable and adequate for both, roughing and finishing operations.

The cutter is developed with an aluminum tool body (except  $\text{\O}63$ ) mounting PCD cartridges with different geometries.

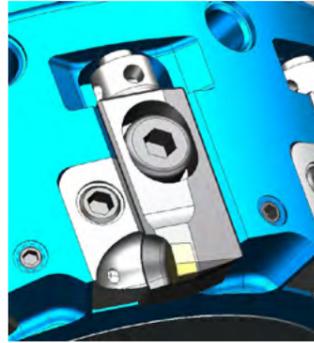
Its newly reinforced design maximizes the stability in the machining process and the system is easy to use and ergonomic. The simplicity of the systems makes it easy to adjust conferring high precision to adjusted cartridges.

The cartridge dimensions together with all auxiliary components of the system allowed us to design the tool with the maximum number of cutting edges which gives to the cutter a high machining performance with high quality face finish.

- Suitable for all roughing and finishing applications.
- High performance thanks to its maximized number of teeth.
- Light Aluminum tool body construction.
- Through coolant wedge body protection.
- Strong cartridge clamping thanks to wedge shape.
- Precision PCD cartridge adjustment.
- Fast & easy to use system.



# high performance PCD milling cutters



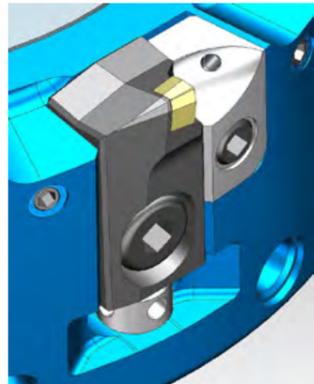
## Clamping unit.

Clamping unit improved which assures a fix and unmovable cartridge position while working at very demanding machining conditions. The unit contributes to have a better tool rigidity allowing achieving high superficial quality finish even in roughing operations.



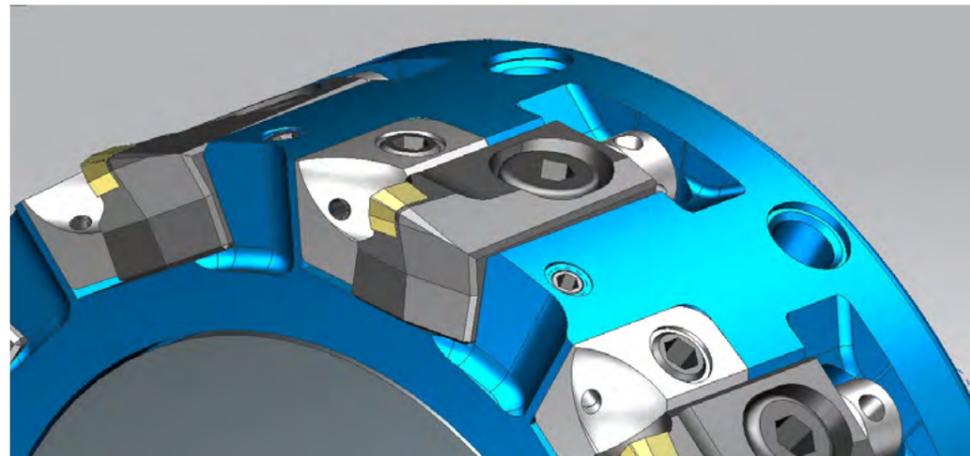
## Adjustment.

With the integrated adjusting screw in the tool body base, it is possible to have an easy and fast adjustment of the cartridges. It is only necessary one only key to individually adjust axially the cartridges.

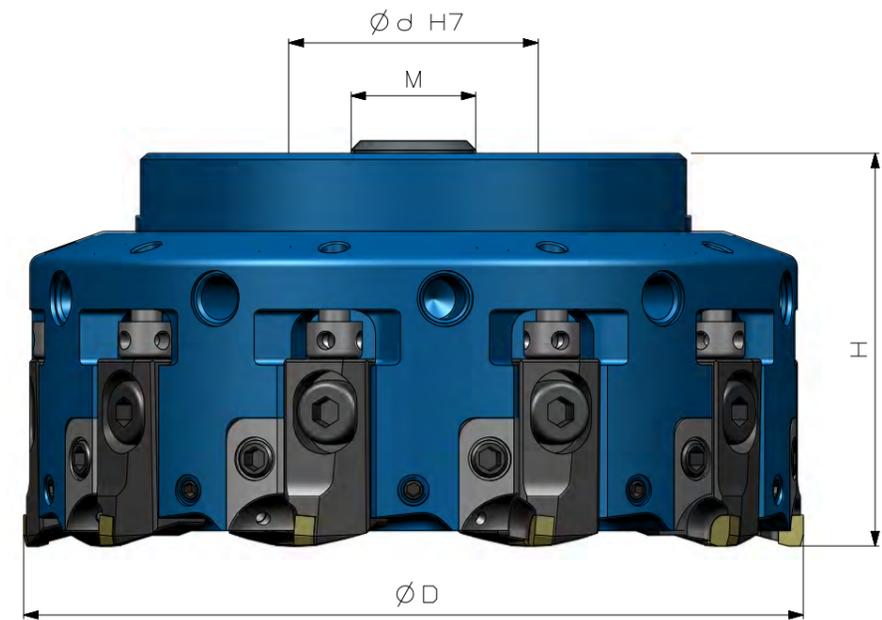


## Internal coolant supply.

The internal coolant supply design through the clamping wedge, perfectly directs the coolant directly to the cutting edges, helping the tool evacuate easily and fast the chips from the machining area assuring a better face milling cutter yield and longer tool life.

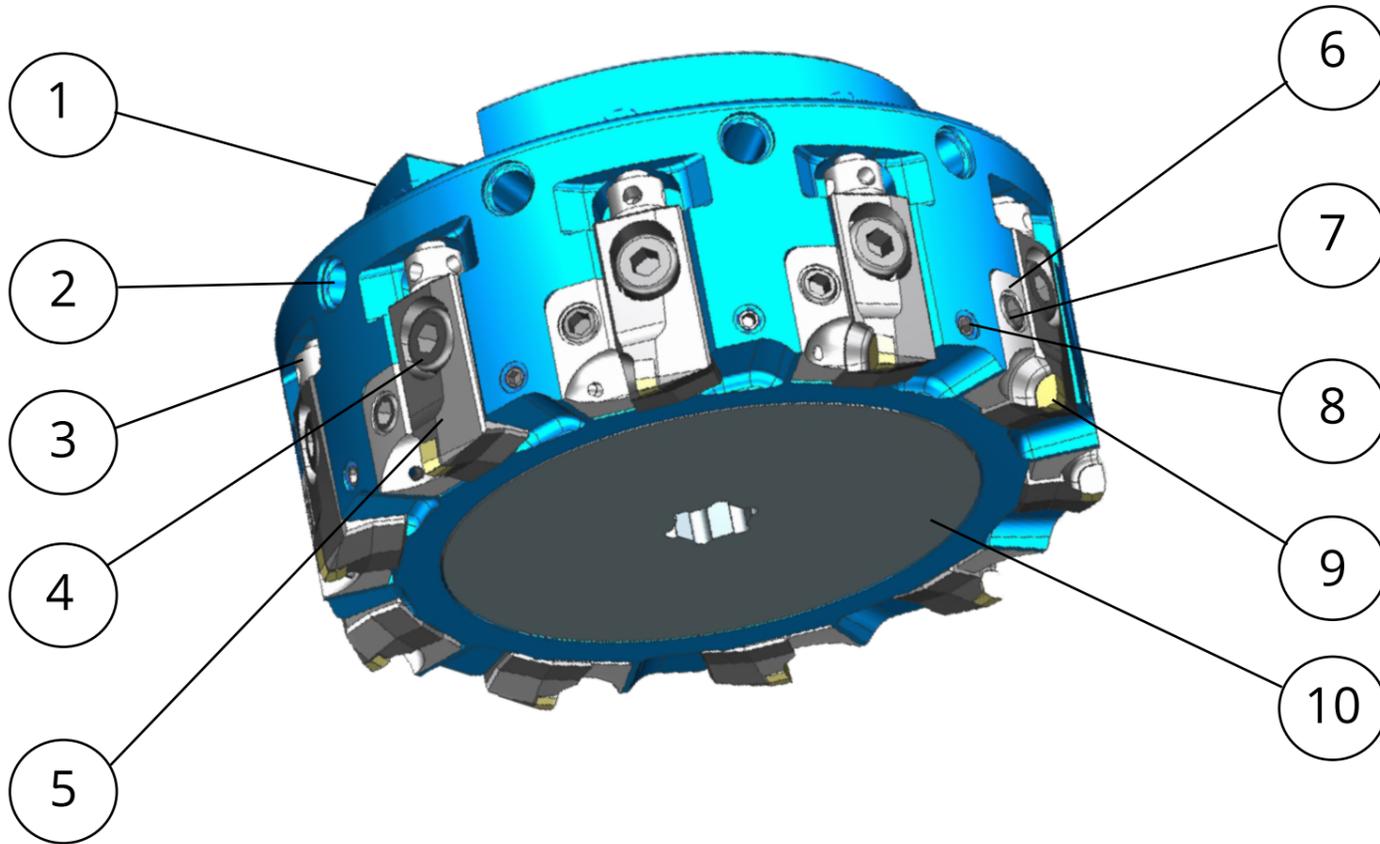


Ref.Nr.	Ø D mm	H mm	Ø d H7 mm	Z	Body mat.	Kg.	n.Max. (min-1)
DPM02632205	63	48	22	5	steel	0,95	20,000
DPM02802706	80	50	27	6	Alu.	1,10	18,000
DPM021003208	100	50	32	8	Alu.	1,40	16,000
DPM021254010	125	63	40	10	Alu.		14,000
DPM021604012	160	63	40	12	Alu.		8,000
DPM022006020	200	63	60	16	Alu.		7,000
DPM022506020	250	63	60	20	Alu.		6,000



**Art.DPM02**  
**STDR**

## Composición



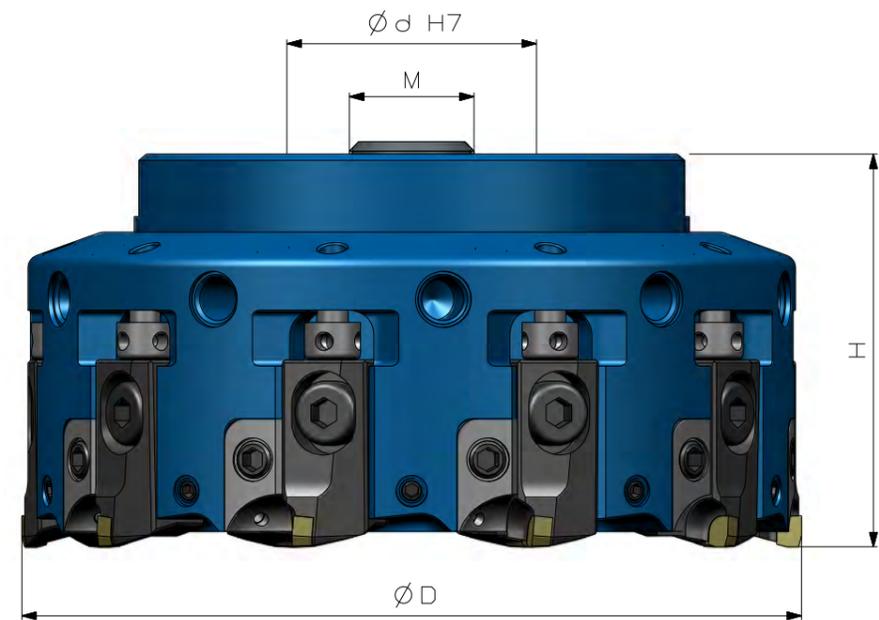
- ① Tool body
- ② Balancing screw
- ③ Axial adjusting screw
- ④ Cartridge Fixing screw
- ⑤ Cartridge
- ⑥ wedge with coolant supply system
- ⑦ Differential screw
- ⑧ Cover screw cooling unit
- ⑨ PCD tip / Differential screw
- ⑩ Cover

PCD

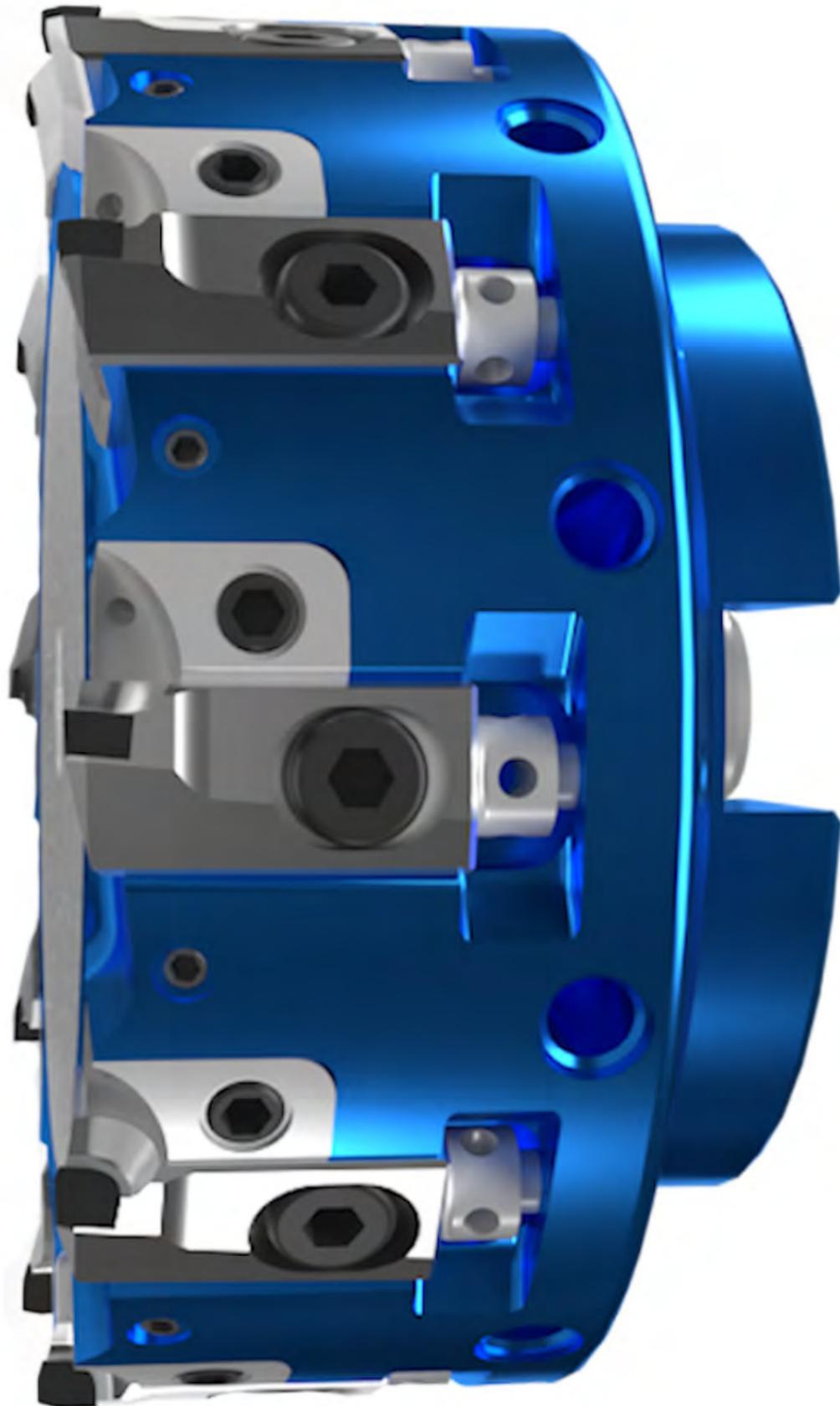
AL



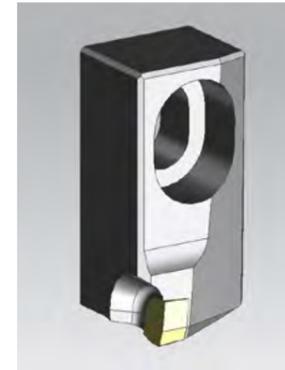
Ref.Nr.	Ø D mm	H mm	Ø d H7 mm	Z	Body mat.	Kg.	n.Max. (min-1)
DPM02632209	63	48	22	9	Acero	1,23	20,000
DPM02802710	80	50	27	8	Alu.	1,45	18,000
DPM021003215	100	50	32	10	Alu.	2,00	16,000
DPM021254018	125	63	40	13	Alu.	2,46	14,000
DPM021604024	160	63	40	18	Alu.		8,000
DPM022006028	200	63	60	20	Alu.		7,000
DPM022506036	250	63	60	30	Alu.		6,000



**Art.DPM02**  
*High feed*



### PCD cartridge



PCD cartridge (axial)

Type DPM02C01

Ref. Nr.

Defined surfaces

DPM02C0101

General machining

DPM02C0102

Finishing

DPM02C0103

### Clamping wedge



Through coolant clamping wedge

Type DPM02C05

Ref. Nr.

Clamping wedge

DPM02C0501

adjusting screw

DPM02TR001

distribution cover

DPM02TD002

clamping screw

DPM02TA003

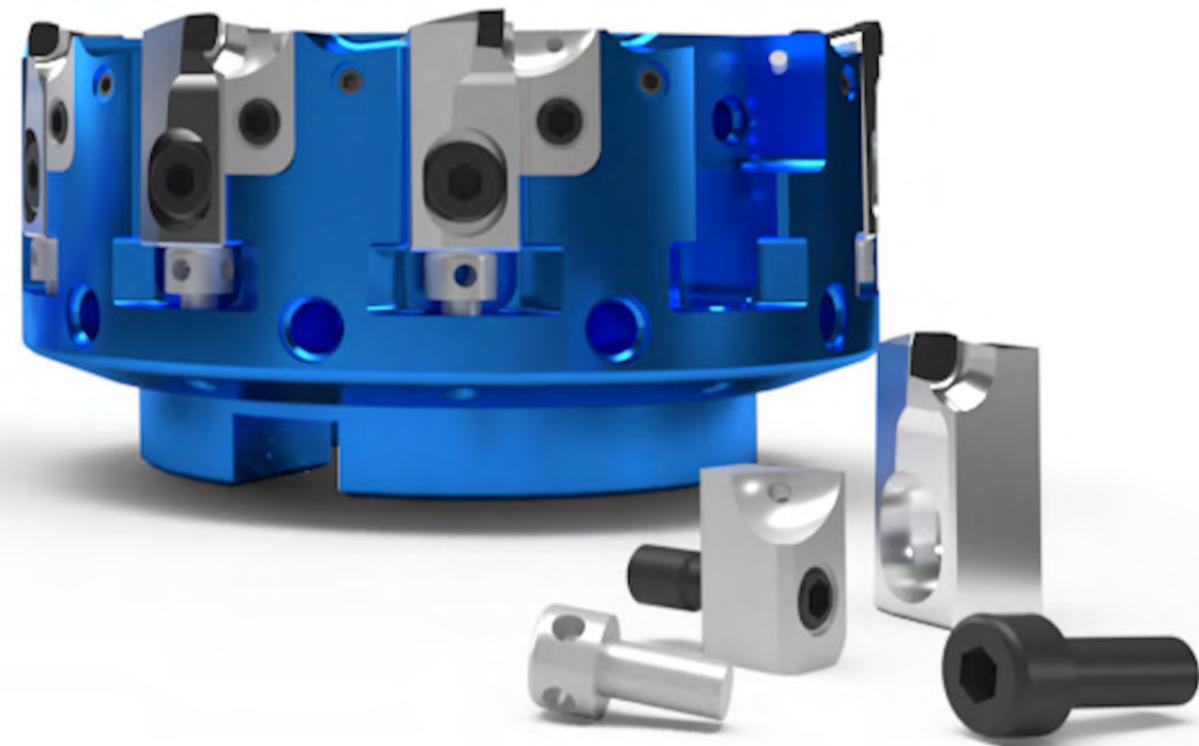
clamping wedge screw

DPM02TC004



# high performance PCD milling cutters

- Face Mill with straight and / or axial positive PCD edges.
- Maximum number of cutting edges for high performance.
- PCD cartridges axially adjustable.
- To adapt in any type of support. HSK, ISO40, ISO50, BT40, BT50.
- Internal cooling oriented.
- High precision balancing G 2.5.
- Easy assembly and adjustment.
- Different cutting geometries for different finishes.





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