



PCD MILLING CUTTERS

PCD Tipped End Mill
PCD Tipped Ball-Nose End Mill
PCD Solid Nib End Mill
PCD Full Edge Helix Flutes End Mill
PCD Wood Working Milling Cutter
PCD Face Milling Cutter
Customizable PCD Milling Cutter

Overview	D01	-	D04
Code	D05	-	D06
PCD Tipped End Mill	D07	-	D15
PCD Tipped Ball-Nose End Mill	D16		
PCD Solid Nib End Mill	D17		
PCD Full Edge Helix Flutes End Mill	D18		
PCD Wood Working Milling Cutter	D19	-	D20
PCD Face Milling Cutter	D21	-	D26
Customizable PCD Milling Cutter	D27	-	D28

A

PCD
INSERTS

B

CBN
INSERTS

C

SOLID CBN
INSERTS

D

PCD
MILLING
CUTTERS

E

PCD
DRILLING
TOOLS

F

PCD
REAMERS

G

DIAMOND
DRESSERS

H

DIAMOND
CUSTOM-MADE
TOOLS

Overview

PCD milling cutters are highly productive tools with a long tool life and high efficiency. They are perfect for cutting non-ferrous metals and non-metallic materials such as CFRP, GFRP, Glare, Copper, Brass, and Graphite. Sundi offers a wide range of PCD milling tools, including tipped-end mills, ball-nose mills, face mills with HSK/BT bodies, helical milling cutters, and micro-diameter tools, suitable for various applications and industries.

Sundi caters to your specific needs with its PCD milling tools, offering solid top tools with a 1mm diameter to replaceable systems with a 300mm diameter. Whether you require a small tool for intricate work or a large one for efficient cutting, Sundi has the perfect solution for you.



Features & Advantages Of PCD Milling Cutters

- Improved tool life and surface finish compared to carbide.
- Optimal performance with higher cutting speeds and feed rates.
- Ideal for machining non-ferrous metals and non-metallic materials.
- Reduced tool changes for cost savings and improved efficiency.

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Capacity And Main Devices

We use top-of-the-line equipment from renowned brands, including:

WALTER EDM device

COBORN CNC Grinders

Vollmer Wire Erosion Machines

ZOLLER measure machine

Schiitte grinding device

With these advanced devices, we can handle complex tasks while maintaining unmatched quality and performance.

Generally, our cutting-edge technology guarantees a surface roughness of $RA \leq 0.4$ and a tolerance of $\leq \pm 0.002\text{mm}$, ensuring precision and excellence in our work.



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PCD Milling Tool With HSK / BT Shank

Our HSK/BT body tools feature 5 to 6+ blades, customizable for your needs. Ideal for machining aluminum in the automotive industry, these tools excel in face, hole, shape milling, and more.

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PCD End Mill And Ball Nose End Mill

PCD-tipped tools are the most commonly used for cutting non-ferrous metals and non-metallic materials like CFRP, GFRP, Glare, Copper, Brass, and Graphite. These tools are known for their exceptional performance and long working life.

G

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DRESSERS

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PCD Face Milling Cutter

For the best surface finishes, we recommend selecting our face milling cutters with replaceable PCD cartridges. Widely utilized in the automotive industry for machining aluminum, these cutters consistently deliver outstanding results. The reliable milling insert tooling system has a proven track record in various applications.





PCD Solid-Nib End Mill

We utilize a solid cylinder of PCD material brazed on the top of the tool body, allowing us to machine the tool body and the PCD area at one time. This machining process ensures better consistency in the final product.

Unlike the traditional brazed process, the PCD solid-Nib end mill can reach a very small diameter of just 1mm. With the helix flute or not based on the customer's request.

PCD Wood Working Milling Cutter

Sundi's high-performance helical cutters provide efficient feeds, deep cuts, and high metal removal rates for contouring and profiling applications. These qualities make them an excellent choice for woodworking production.



Customizable PCD Milling Cutter

We offer a wide range of PCD milling tools tailored to the customer's specific requests. These tools can include features such as helix flutes, very small diameters, long PCD blades, or internal coolant channels. We can either follow the customer's design or design the tools ourselves at Sundi, based on the actual applications and requirements.

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Rule of Order No.

M	-	TP	E	-	S	2	S	-	010
1		2	3		4	5	6		7

1

Product Series

M

PCD Milling Cutter

3*

The Form Of Cutting Blade

E

End mill cutter

B

Ball nose milling cutter

Notice: This form only represents the pcd tipped milling cutter.

2*

The Form Of PCD Milling Cutter

TP

End mill with braze PCD blade

SN

The solid Nib End Mill

SHB

PCD Full Edge Helix Flutes End Mill

HE

PCD Wood Working Milling Cutter

SF

Face Milling Cutter

Notice: This form only represents the pcd tipped milling cutter.

4*

The Form Of Cutting Blade

S

PCD With short blade 5~6mm

SO

PCD short blade and one blade over center

L

PCD with long blade 10~15mm

LO

PCD long blade and one blade over center

Notice: This form only represents the pcd tipped milling cutter.

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REAMERS**G**
DIAMOND
DRESSERS**H**
DIAMOND
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M	-	TP	E	-	S	2	S	-	010
1		2	3		4	5	6		7

5*

Number Of Flutes

1 

2 

4 

Notice: This form only represents the pcd tipped milling cutter for another form can be custom-made.

6*

Angle Of Flutes

N  Axial Negative angle

P  Axial positive angle

S  Axial straight angle

Notice: This form only represents the pcd tipped milling cutter.

7*

Diameter Of Cutter

010 10mm

Notice: This form only represents the pcd tipped milling cutter.

Recommended Cutting Parameters

Material	Cutting Speed VC(m/min)	Feed Rate (fz/mm/u)			Coolant
		Ø 4~6	Ø 7~11	Ø 12~20	
Al-Alloys Si < 1%	150 - 6000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Al-Alloys Si < 12%	150 - 4000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Al-Alloys Si > 12%	150 - 2000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Magnesium Alloys	150 - 6000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Copper Alloys	150 - 5000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Brass Alloys	150 - 4000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Ti-Alloys	50 - 400	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Graphite	150 - 3000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
GFRP glass fibre composites	150 - 3000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Dry, Air pressure
CFRP carbon fibre composites	150 - 4000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Dry, Air pressure
PTFE	150 - 2000	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Dry, Air pressure
Acrylic	150 - 1800	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL
Thermoplastics,Duroplastics	150 - 1800	0.02 - 0.15	0.02 - 0.20	0.04 - 0.3	Emulsion,MQL

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REAMERS

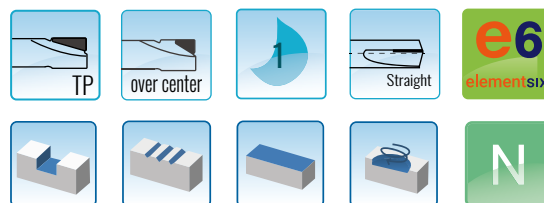
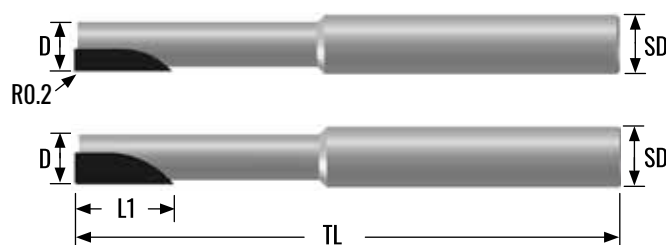
G
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PCD
INSERTS

TPE-S/S01S

PCD End Mill Single Flute



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-S1S-003	3	4	60	4	1
M-TPE-S1S-004	3	8	60	4	1
M-TPE-S1S-004SD6	4	4	70	6	1

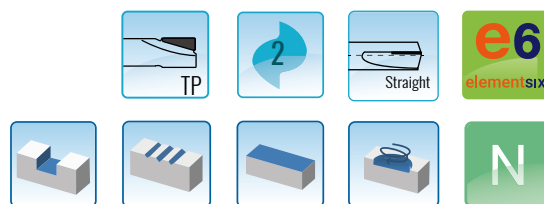
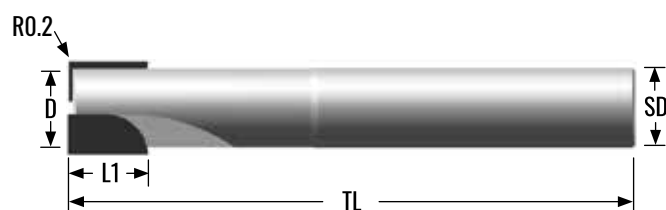
Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-S01S-003	3	4	60	4	1
M-TPE-S01S-004	3	8	60	4	1
M-TPE-S01S-004SD6	4	4	70	6	1

■ Blade over center

C
SOLID CBN
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PCD
MILLING
CUTTERS

TPE-S2S

PCD End Mill Two Flutes Short Blade



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-S2S-003	3	6	60	4	2
M-TPE-S2S-004	4	6	60	4	2
M-TPE-S2S-005	5	6	60	6	2
M-TPE-S2S-006	6	7	60	6	2
M-TPE-S2S-008	8	7	70	8	2
M-TPE-S2S-010	10	7	80	10	2
M-TPE-S2S-012	12	7	80	12	2

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-S2S-014	14	7	100	14	2
M-TPE-S2S-016	16	7	100	16	2
M-TPE-S2S-018	18	7	100	18	2
M-TPE-S2S-020 ◇	20	7	110	20	2
M-TPE-S2S-022 ◇	22	7	110	22	2
M-TPE-S2S-024 ◇	24	7	110	24	2
M-TPE-S2S-026 ◇	26	7	110	26	2

◇ The Shank Material Can Be HSS

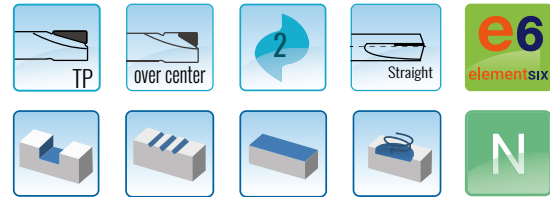
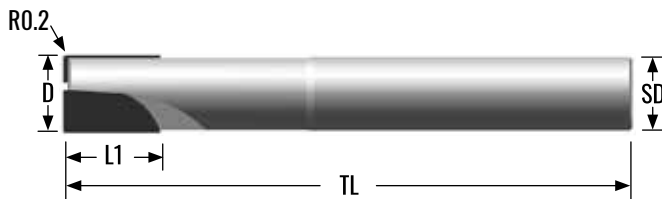
Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.

E
PCD
DRILLING
TOOLSF
PCD
REAMERSG
DIAMOND
DRESSERSH
DIAMOND
CUSTOM-MADE
TOOLS

TPE-SO2S

PCD End Mill Two Flutes Short Blade One Blade Over Center



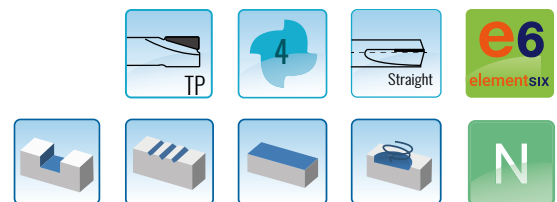
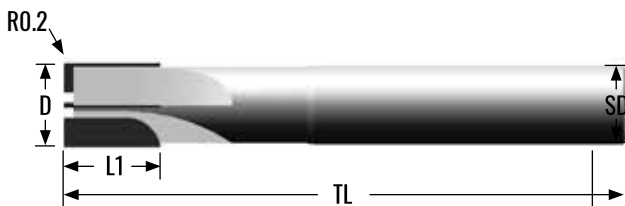
Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-SO2S-003	3	6	60	4	2
M-TPE-SO2S-004	4	6	60	4	2
M-TPE-SO2S-005	5	6	60	6	2
M-TPE-SO2S-006	6	7	60	6	2
M-TPE-SO2S-008	8	7	70	8	2
M-TPE-SO2S-010	10	7	80	10	2
M-TPE-SO2S-012	12	7	80	12	2

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-SO2S-014	14	7	100	14	2
M-TPE-SO2S-016	16	7	100	16	2
M-TPE-SO2S-018	18	7	100	18	2
M-TPE-SO2S-020 ◇	20	7	110	20	2
M-TPE-SO2S-022 ◇	22	7	110	22	2

◇ The Shank Material Can Be HSS

TPE-S4S

PCD End Mill Four Flutes Short Blade



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-S4S-016	16	8	80	16	4
M-TPE-S4S-016L105	16	8	105	16	4
M-TPE-S4S-020 ◇	20	8	85	20	4
M-TPE-S4S-020L105 ◇	20	8	105	20	4
M-TPE-S4S-022 ◇	22	8	85	22	4
M-TPE-S4S-022L105 ◇	22	8	105	22	4

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-S4S-024 ◇	24	8	85	24	4
M-TPE-S4S-024L105 ◇	24	8	105	24	4
M-TPE-S4S-026 ◇	26	8	105	26	4
M-TPE-S4S-026L110 ◇	26	10	110	26	4
M-TPE-S4S-030 ◇	30	10	105	30	4
M-TPE-S4S-030L110 ◇	30	10	110	30	4

◇ The Shank Material Can Be HSS

Order Note

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- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.

A
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MILLING
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DRILLING
TOOLS

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REAMERS

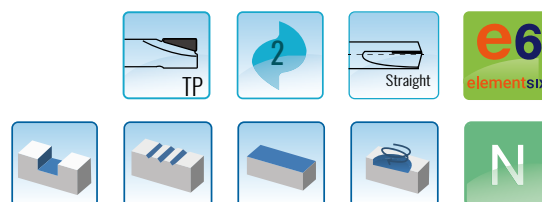
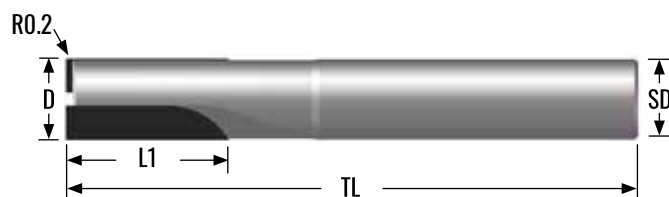
G
DIAMOND
DRESSERS

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CUSTOM-MADE
TOOLS

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MILLING
CUTTERSE
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DRILLING
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TOOLS

TPE-L2S

PCD End Mill Two Flutes Long Blade



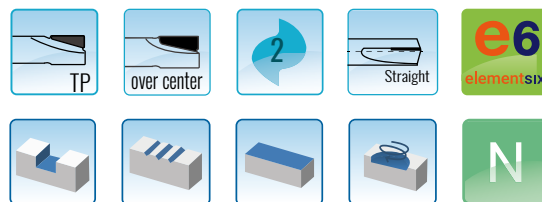
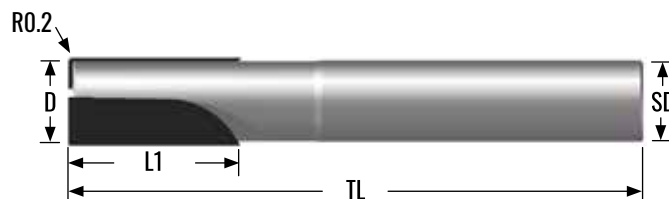
Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-L2S-003	3	12	60	4	2
M-TPE-L2S-004	4	12	60	4	2
M-TPE-L2S-005	5	12	60	6	2
M-TPE-L2S-006	6	12	60	6	2
M-TPE-L2S-008	8	12	70	8	2
M-TPE-L2S-010	10	12	80	10	2
M-TPE-L2S-012	12	12	80	12	2

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-L2S-014	14	12	100	14	2
M-TPE-L2S-016	16	12	100	16	2
M-TPE-L2S-018	18	12	100	18	2
M-TPE-L2S-020 ◇	20	12	110	20	2
M-TPE-L2S-022 ◇	22	12	110	22	2
M-TPE-L2S-024 ◇	24	12	110	24	2
M-TPE-L2S-026 ◇	26	12	110	26	2

◇ The Shank Material Can Be HSS

TPE-LO2S

PCD End Mill Two Flutes Long Blade One Blade Over Center



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-LO2S-003	3	12	60	4	2
M-TPE-LO2S-004	4	12	60	4	2
M-TPE-LO2S-005	5	12	60	6	2
M-TPE-LO2S-006	6	12	60	6	2
M-TPE-LO2S-008	8	12	70	8	2
M-TPE-LO2S-010	10	12	80	10	2
M-TPE-LO2S-012	12	12	80	12	2

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-LO2S-014	14	12	100	100	2
M-TPE-LO2S-016	16	12	100	100	2
M-TPE-LO2S-018	18	12	100	100	2
M-TPE-LO2S-020 ◇	20	12	110	110	2

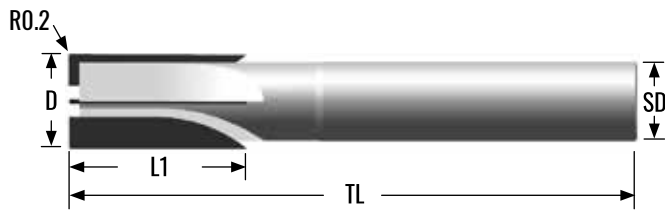
◇ The Shank Material Can Be HSS

Order Note

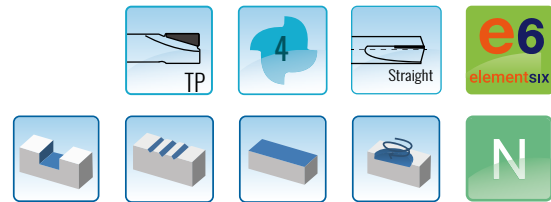
- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.

TPE-L4S

PCD End Mill Four Flutes Long Blade



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-L4S-016	16	18	85	16	4
M-TPE-L4S-016L105	16	20	105	16	4
M-TPE-L4S-020 ◇	20	18	85	20	4
M-TPE-L4S-020L105 ◇	20	20	105	20	4
M-TPE-L4S-022 ◇	22	18	100	22	4
M-TPE-L4S-022L110 ◇	22	20	110	22	4

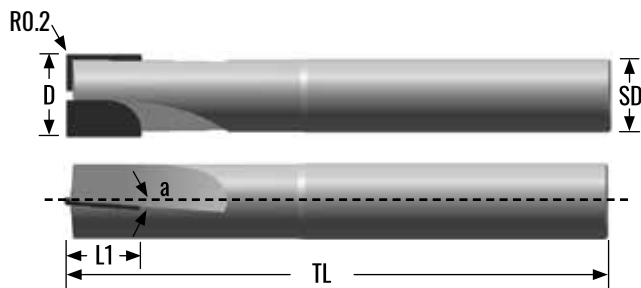


Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPE-L4S-024 ◇	24	18	100	24	4
M-TPE-L4S-024L110 ◇	24	20	110	24	4
M-TPE-L4S-026 ◇	26	18	100	26	4
M-TPE-L4S-026L110 ◇	26	20	110	26	4
M-TPE-L4S-030 ◇	30	18	100	30	4
M-TPE-L4S-030L110 ◇	30	20	110	30	4

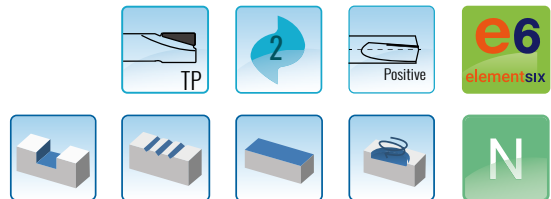
◇ The Shank Material Can Be HSS

TPE-S2P

PCD End Mill Two Flutes Short Blade With Positive Angle ¹



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S2P-003	3	6	60	4	2	+3°
M-TPE-S2P-004	4	6	60	4	2	+3°
M-TPE-S2P-005	5	6	60	6	2	+3°
M-TPE-S2P-006	6	7	60	6	2	+3°
M-TPE-S2P-008	8	7	70	8	2	+4°
M-TPE-S2P-010	10	7	80	10	2	+4°
M-TPE-S2P-012	12	7	80	12	2	+4°



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S2P-014	14	7	100	14	2	+4°
M-TPE-S2P-016	16	7	100	16	2	+4°
M-TPE-S2P-018	18	7	100	18	2	+4°
M-TPE-S2P-020 ◇	20	7	110	20	2	+4°
M-TPE-S2P-022 ◇	22	7	110	22	2	+4°
M-TPE-S2P-024 ◇	24	7	110	24	2	+4°
M-TPE-S2P-026 ◇	26	7	110	26	2	+4°

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Order Note

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- For the item which is not on the list pls contact our sales to get the quote.
- 1 The Positive angle makes the tools more cutting power.

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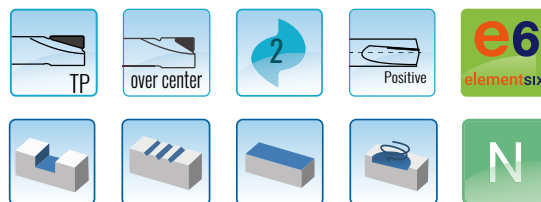
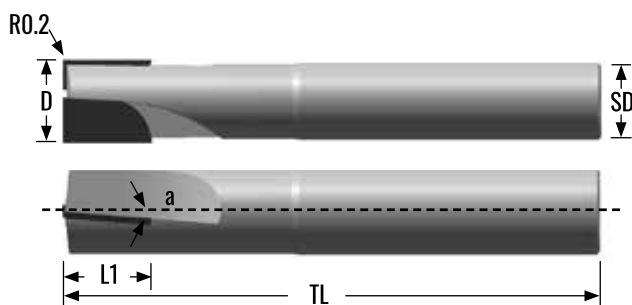
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PCD
REAMERS

G
DIAMOND
DRESSERS

H
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CUSTOM-MADE
TOOLS

A
PCD
INSERTS

TPE-SO2P

PCD End Mill Two Flutes Short Blade With Positive Angle ¹
One Blade Over CenterB
CBN
INSERTSC
SOLID CBN
INSERTSD
PCD
MILLING
CUTTERS

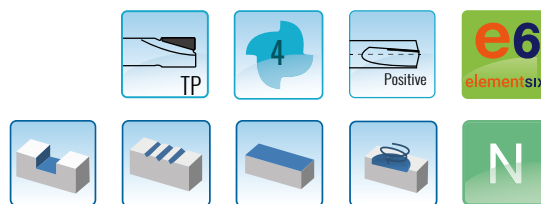
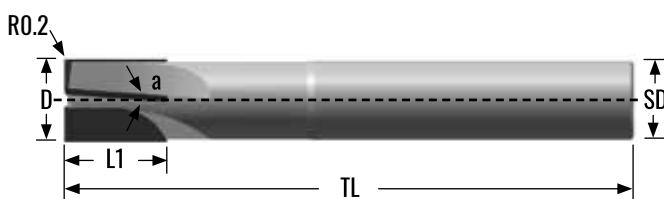
Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-SO2P-003	3	6	60	6	2	+3°
M-TPE-SO2P-004	4	6	60	6	2	+3°
M-TPE-SO2P-005	5	6	60	6	2	+3°
M-TPE-SO2P-006	6	7	60	6	2	+3°
M-TPE-SO2P-008	8	7	70	8	2	+4°
M-TPE-SO2P-010	10	7	80	10	2	+4°
M-TPE-SO2P-012	12	7	80	12	2	+4°

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-SO2P-014	14	7	100	14	2	+4°
M-TPE-SO2P-016	16	7	100	16	2	+4°
M-TPE-SO2P-018	18	7	100	18	2	+4°
M-TPE-SO2P-020 ◇	20	7	110	20	2	+4°
M-TPE-SO2P-022 ◇	22	7	110	22	2	+4°

◇ The Shank Material Can Be HSS

E
PCD
DRILLING
TOOLS

TPE-S4P

PCD End Mill Four Flutes Short Blade With Positive Angle ¹F
PCD
REAMERSG
DIAMOND
DRESSERS

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S4P-016	16	8	80	16	4	+4°
M-TPE-S4P-016L105	16	8	105	16	4	+4°
M-TPE-S4P-020 ◇	20	8	85	20	4	+4°
M-TPE-S4P-020L105 ◇	20	8	105	20	4	+4°
M-TPE-S4P-022 ◇	22	8	85	22	4	+4°
M-TPE-S4P-022L105 ◇	22	8	105	22	4	+4°

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S4P-024 ◇	24	8	85	24	4	+4°
M-TPE-S4P-024L105 ◇	24	8	105	24	4	+4°
M-TPE-S4P-026 ◇	26	8	105	26	4	+4°
M-TPE-S4P-026L110 ◇	26	10	110	26	4	+4°
M-TPE-S4P-030 ◇	30	10	105	30	4	+4°
M-TPE-S4P-030L110 ◇	30	10	110	30	4	+4°

◇ The Shank Material Can Be HSS

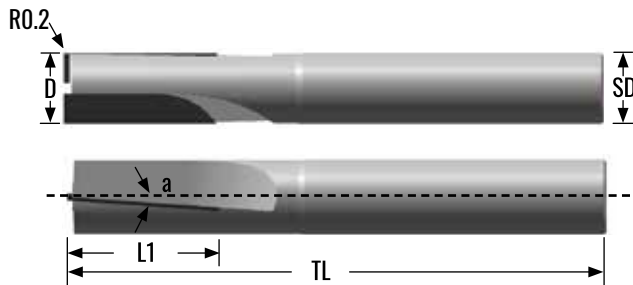
H
DIAMOND
CUSTOM-MADE
TOOLS

Order Note

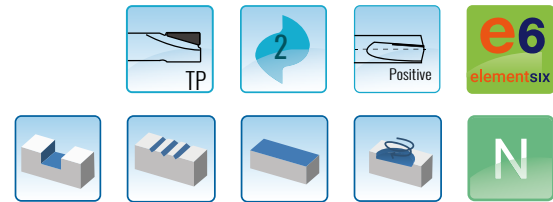
- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.
- ¹ The Positive angle makes the tools more cutting power.

TPE-L2P

PCD End Mill Two Flutes Long Blade With Positive Angle ¹



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L2P-003	3	12	60	6	2	+3°
M-TPE-L2P-004	4	12	60	6	2	+3°
M-TPE-L2P-005	5	12	60	6	2	+3°
M-TPE-L2P-006	6	12	60	6	2	+3°
M-TPE-L2P-008	8	12	70	8	2	+4°
M-TPE-L2P-010	10	12	80	10	2	+4°
M-TPE-L2P-012	12	12	80	12	2	+4°

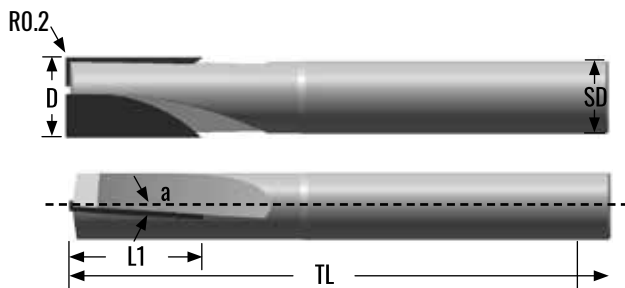


Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L2P-014	14	12	100	14	2	+4°
M-TPE-L2P-016	16	12	100	16	2	+4°
M-TPE-L2P-018	18	12	100	18	2	+4°
M-TPE-L2P-020 ◇	20	12	110	20	2	+4°
M-TPE-L2P-022 ◇	22	12	110	22	2	+4°
M-TPE-L2P-024 ◇	24	12	110	24	2	+4°
M-TPE-L2P-026 ◇	26	12	110	26	2	+4°

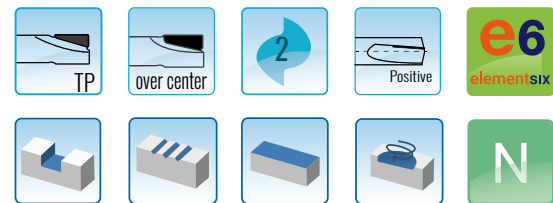
◇ The Shank Material Can Be HSS

TPE-LO2P

PCD End Mill Two Flutes Long Blade With Positive Angle ¹
One Blade Over Center



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-LO2P-003	3	12	60	6	2	+3°
M-TPE-LO2P-004	4	12	60	6	2	+3°
M-TPE-LO2P-005	5	12	60	6	2	+3°
M-TPE-LO2P-006	6	12	60	6	2	+3°
M-TPE-LO2P-008	8	12	70	8	2	+4°
M-TPE-LO2P-010	10	12	80	10	2	+4°
M-TPE-LO2P-012	12	12	80	12	2	+4°



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-LO2P-014	14	12	100	14	2	+4°
M-TPE-LO2P-016	16	12	100	16	2	+4°
M-TPE-LO2P-018	18	12	100	18	2	+4°
M-TPE-LO2P-020 ◇	20	12	110	20	2	+4°
M-TPE-LO2P-022 ◇	22	12	110	22	2	+4°

◇ The Shank Material Can Be HSS

Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.
- 1 The Positive angle makes the tools more cutting power.

A
PCD
INSERTS

B
CBN
INSERTS

C
SOLID CBN
INSERTS

D
PCD
MILLING
CUTTERS

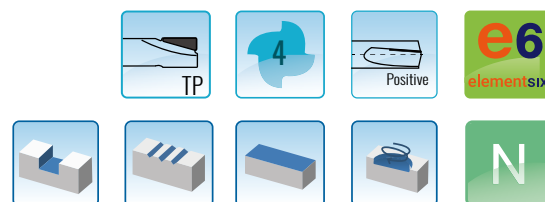
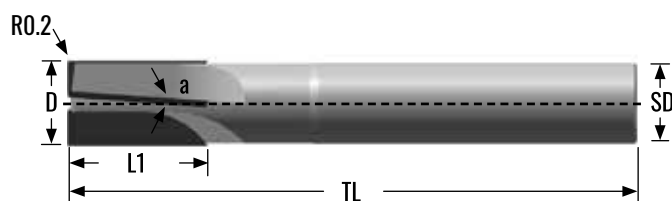
E
PCD
DRILLING
TOOLS

F
PCD
REAMERS

G
DIAMOND
DRESSERS

H
DIAMOND
CUSTOM-MADE
TOOLS

TPE-L4P

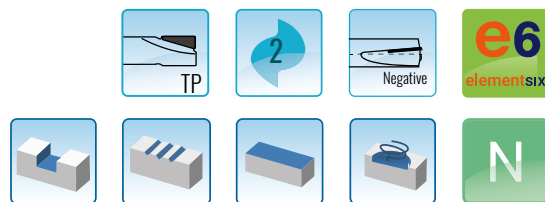
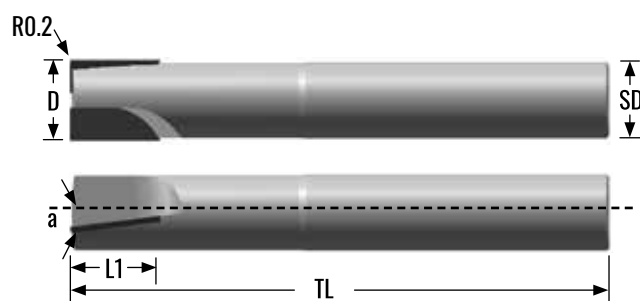
PCD End Mill Four Flutes Long Blade With Positive Angle ¹

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L4P-016	16	18	85	16	4	+4°
M-TPE-L4P-016L105	16	20	105	16	4	+4°
M-TPE-L4P-020 ◇	20	18	85	20	4	+4°
M-TPE-L4P-020L105 ◇	20	20	105	20	4	+4°
M-TPE-L4P-022 ◇	22	18	100	22	4	+4°
M-TPE-L4P-022L110 ◇	22	20	110	22	4	+4°

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L4P-024 ◇	24	18	100	24	4	+4°
M-TPE-L4P-024L110 ◇	24	20	110	24	4	+4°
M-TPE-L4P-026 ◇	26	18	100	26	4	+4°
M-TPE-L4P-026L110 ◇	26	20	110	26	4	+4°
M-TPE-L4P-030 ◇	30	18	100	30	4	+4°
M-TPE-L4P-030L110 ◇	30	20	110	30	4	+4°

◇ The Shank Material Can Be HSS

TPE-S2N

PCD End Mill Four Flutes Short Blade With Negative Angle ²

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S2N-003	3	6	60	4	2	-3°
M-TPE-S2N-004	4	6	60	4	2	-3°
M-TPE-S2N-005	5	6	60	6	2	-3°
M-TPE-S2N-006	6	7	60	6	2	-3°
M-TPE-S2N-008	8	7	70	8	2	-4°
M-TPE-S2N-010	10	7	80	10	2	-4°
M-TPE-S2N-012	12	7	80	12	2	-4°

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S2N-014	14	7	100	14	2	-4°
M-TPE-S2N-016	16	7	100	16	2	-4°
M-TPE-S2N-018	18	7	100	18	2	-4°
M-TPE-S2N-020 ◇	20	7	110	20	2	-4°
M-TPE-S2N-022 ◇	22	7	110	22	2	-4°
M-TPE-S2N-024 ◇	24	7	110	24	2	-4°
M-TPE-S2N-026 ◇	26	7	110	26	2	-4°

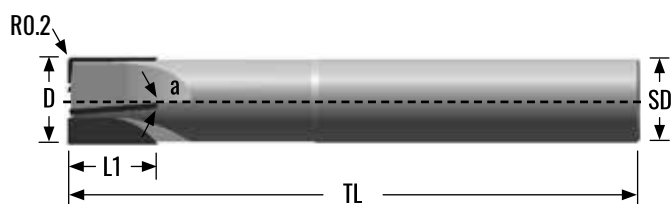
◇ The Shank Material Can Be HSS

Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.
- 1 The Positive angle makes the tools more cutting power.
- 2 The negative angle makes the tools more wear resistance.

TPE-S4N

PCD End Mill Four Flutes Short Blade With Negative Angle ²



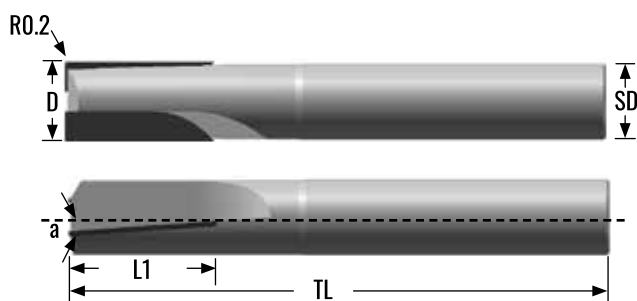
Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S4N-016	16	8	80	16	4	-4°
M-TPE-S4N-016L105	16	8	105	16	4	-4°
M-TPE-S4N-020 ◇	20	8	85	20	4	-4°
M-TPE-S4N-020L105 ◇	20	8	105	20	4	-4°
M-TPE-S4N-022 ◇	22	8	85	22	4	-4°
M-TPE-S4N-022L105 ◇	22	8	105	22	4	-4°

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-S4N-024 ◇	24	8	85	24	4	-4°
M-TPE-S4N-024L105 ◇	24	8	105	24	4	-4°
M-TPE-S4N-026 ◇	26	8	105	26	4	-4°
M-TPE-S4N-026L110 ◇	26	10	110	26	4	-4°
M-TPE-S4N-030 ◇	30	10	105	30	4	-4°
M-TPE-S4N-030L110 ◇	30	10	110	30	4	-4°

◇ The Shank Material Can Be HSS

TPE-L2N

PCD End Mill Two Flutes Long Blade With Negative Angle ²



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L2N-003	3	12	60	4	2	-3°
M-TPE-L2N-004	4	12	60	4	2	-3°
M-TPE-L2N-005	5	12	60	6	2	-3°
M-TPE-L2N-006	6	12	60	6	2	-3°
M-TPE-L2N-008	8	12	70	8	2	-4°
M-TPE-L2N-010	10	12	80	10	2	-4°
M-TPE-L2N-012	12	12	80	12	2	-4°

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L2N-014	14	12	100	14	2	-4°
M-TPE-L2N-016	16	12	100	16	2	-4°
M-TPE-L2N-018	18	12	100	18	2	-4°
M-TPE-L2N-020 ◇	20	12	110	20	2	-4°
M-TPE-L2N-022 ◇	22	12	110	22	2	-4°
M-TPE-L2N-024 ◇	24	12	110	24	2	-4°
M-TPE-L2N-026 ◇	26	12	110	26	2	-4°

◇ The Shank Material Can Be HSS

Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.
- 2 The negative angle makes the tools more wear resistance.

A
PCD
INSERTS

B
CBN
INSERTS

C
SOLID CBN
INSERTS

D
PCD
MILLING
CUTTERS

E
PCD
DRILLING
TOOLS

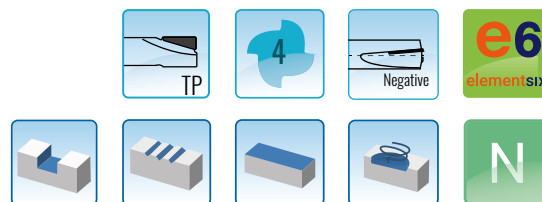
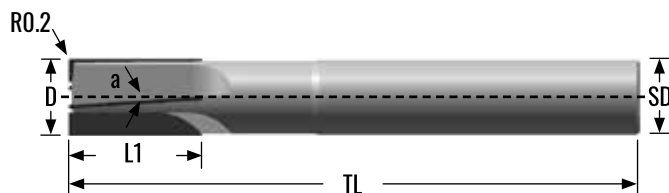
F
PCD
REAMERS

G
DIAMOND
DRESSERS

H
DIAMOND
CUSTOM-MADE
TOOLS

A
PCD
INSERTS

TPE-L4N

PCD End Mill Four Flutes Long Blade With Negative Angle ²B
CBN
INSERTSC
SOLID CBN
INSERTS

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L4N-016	16	18	85	16	4	-4°
M-TPE-L4N-016L105	16	20	105	16	4	-4°
M-TPE-L4N-020 ◇	20	18	85	20	4	-4°
M-TPE-L4N-020L105 ◇	20	20	105	20	4	-4°
M-TPE-L4N-022 ◇	22	18	100	22	4	-4°
M-TPE-S4N-022L110 ◇	22	20	110	22	4	-4°

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPE-L4N-024 ◇	24	18	100	24	4	-4°
M-TPE-L4N-024L110 ◇	24	20	110	24	4	-4°
M-TPE-L4N-026 ◇	26	18	100	26	4	-4°
M-TPE-L4N-026L110 ◇	26	20	110	26	4	-4°
M-TPE-L4N-030 ◇	30	18	100	30	4	-4°
M-TPE-L4N-030L110 ◇	30	20	110	30	4	-4°

◇ The Shank Material Can Be HSS

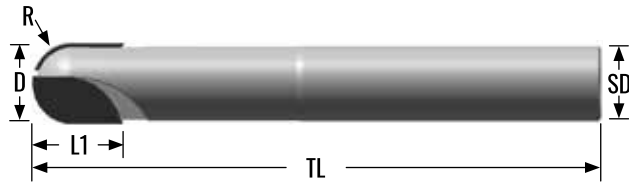
D
PCD
MILLING
CUTTERSE
PCD
DRILLING
TOOLSF
PCD
REAMERSG
DIAMOND
DRESSERSH
DIAMOND
CUSTOM-MADE
TOOLS

Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.
- 2 The negative angle makes the tools more wear resistance.

TPB-S/L2S

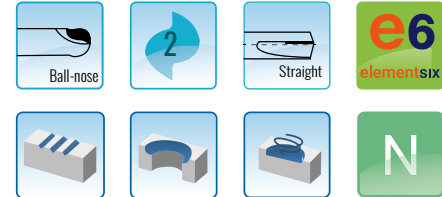
PCD Ball-nose Milling Cutter



Order No.	D h7 [mm]	R [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPB-S2S-004	4	2	2	60	4	2
M-TPB-S2S-006	6	3	3	60	6	2
M-TPB-S2S-008	8	4	4	70	8	2
M-TPB-S2S-010	10	5	5	80	10	2
M-TPB-S2S-012	12	6	6	80	12	2
M-TPB-S2S-014	14	7	7	100	14	2

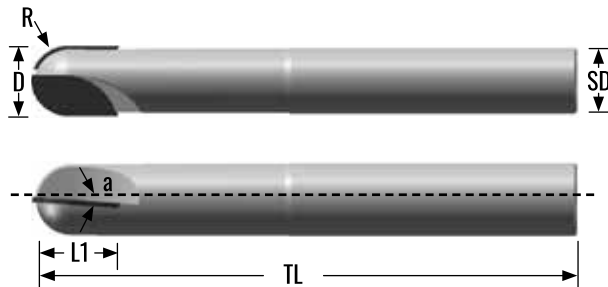
Order No.	D h7 [mm]	R [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-TPB-S2S-015	15	7.5	7.5	100	16	2
M-TPB-S2S-016	16	8	8	100	16	2
M-TPB-S2S-018	18	9	9	100	18	2
M-TPB-S2S-020 ◇	20	10	10	110	20	2

◇ The Shank Material Can Be HSS



TPB-S/L2P

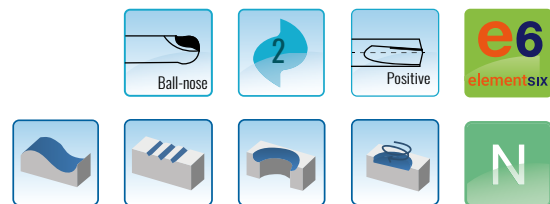
PCD Ball-nose Milling Cutter With Positive Angle ¹



Order No.	D h7 [mm]	R [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPB-S2P-004	4	2	2	60	6	2	+3°
M-TPB-S2P-006	6	3	3	60	6	2	+3°
M-TPB-S2P-008	8	4	4	70	8	2	+4°
M-TPB-S2P-010	10	5	5	80	10	2	+4°
M-TPB-S2P-012	12	6	6	80	12	2	+4°
M-TPB-S2P-014	14	7	7	100	14	2	+4°

Order No.	D h7 [mm]	R [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES	a ANGLE
M-TPB-S2P-015	15	7.5	7.5	100	16	2	+4°
M-TPB-S2P-016	16	8	8	100	16	2	+4°
M-TPB-S2P-018	18	9	9	100	18	2	+4°
M-TPB-S2P-020 ◇	20	10	10	110	20	2	+4°

◇ The Shank Material Can Be HSS



Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.
- 1 The Positive angle makes the tools more cutting power.

A
PCD
INSERTS

B
CBN
INSERTS

C
SOLID CBN
INSERTS

D
PCD
MILLING
CUTTERS

E
PCD
DRILLING
TOOLS

F
PCD
REAMERS

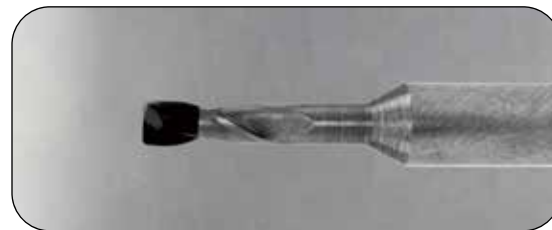
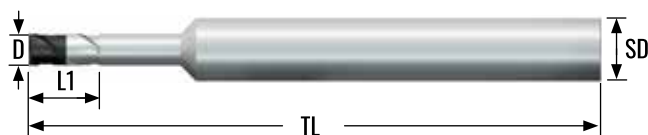
G
DIAMOND
DRESSERS

H
DIAMOND
CUSTOM-MADE
TOOLS

A
PCD
INSERTS

M-SN

PCD Solid Nib Helix Two Flutes End Mill

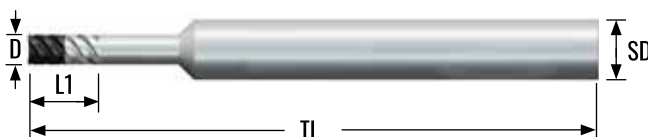
B
CBN
INSERTS

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-SN-010	1	6	50	4	2
M-SN-015	1.5	6	50	4	2
M-SN-020	2	6	50	4	2
M-SN-025	2.5	6	50	4	2
M-SN-030	3	8	50	4	2
M-SN-035	3.5	8	50	4	2
M-SN-040	4	8	50	4	2

C
SOLID CBN
INSERTSD
PCD
MILLING
CUTTERSE
PCD
DRILLING
TOOLS

M-SN

PCD Solid Nib Helix Four Flutes End Mill

F
PCD
REAMERS

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-SN-030Z4	3	8	50	6	4
M-SN-035Z4	3.5	8	50	6	4
M-SN-040Z4	4	8	50	6	4
M-SN-045Z4	4.5	8	50	6	4
M-SN-050Z4	5	10	50	6	4
M-SN-055Z4	5.5	10	50	6	4
M-SN-060Z4	6	10	60	6	4

G
DIAMOND
DRESSERSH
DIAMOND
CUSTOM-MADE
TOOLS

M-SHB

PCD Full Edge End Mill Helix Two Flutes

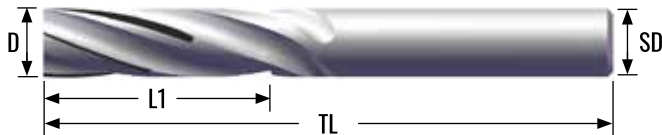


Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-SHB-040	4	6	50	4	2
M-SHB-045	4.5	6	50	6	2
M-SHB-050	5	6	50	6	2
M-SHB-055	5.5	8	50	6	2
M-SHB-060	6	8	60	6	2

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-SHB-065	6.5	8	60	8	2
M-SHB-070	7	8	60	8	2
M-SHB-075	7.5	8	60	8	2
M-SHB-080	8	8	60	8	2

M-SN

PCD Full Edge End Mill Helix Four flutes



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-SHB-080Z4	8	10	80	8	4
M-SHB-090Z4	9	10	80	10	4
M-SHB-100Z4	10	15	80	10	4
M-SHB-110Z4	11	15	80	12	4
M-SHB-112Z4	12	15	80	12	4
M-SHB-113Z4	13	15	80	14	4
M-SHB-114Z4	14	20	100	14	4

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]	Z FLUTES
M-SHB-115Z4	15	20	100	16	4
M-SHB-116Z4	16	20	100	16	4
M-SHB-117Z4	17	20	100	18	4
M-SHB-118Z4	18	20	120	18	4
M-SHB-119Z4	19	20	120	20	4
M-SHB-200Z4	20	20	120	20	4

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CUSTOM-MADE
TOOLS

H
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TOOLS

A
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M-HE 1+1

Z1+1 PCD Wood Working Milling Cutter With HSS Shank Body PCD H2.5mm

B
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- Strong wear resistance: PCD is an extremely hard material that is even harder than cemented carbide.
- High cutting efficiency: excellent thermal conductivity and low friction coefficient can reduce thermal deformation and tool adhesion during processing.
- High machining accuracy: the products produced have a good surface finish and are less prone to defects such as burrs and cracks.

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CUSTOM-MADE
TOOLS

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]
M-HE-1-0622	6	22	68	8
M-HE-1-0822	8	22	70	12.7
M-HE-1-1022	10	22	70	12.7
M-HE-1-1027	10	27	75	12.7
M-HE-1-1227	12	27	75	12
M-HE-1-1225	12	25.4	75	12
M-HE-1-1230	12	30	80	12
M-HE-1-1235	12	35	85	12
M-HE-1-D1225	12.7	25	70	12.7
M-HE-1-D1230	12.7	30	75	12.7
M-HE-1-1625	16	25	85	16
M-HE-1-1630	16	30	90	16

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]
M-HE-1-1635(1)	16	35	95	20
M-HE-1-1635	16	35	95	16
M-HE-1-1643	16	43	100	16
M-HE-1-1645	16	45	100	16
M-HE-1-1643(1)	16	43	103	20
M-HE-1-1625(1)	16	25	110	20
M-HE-1-1825	18	25	95	20
M-HE-1-1835	18	35	105	20
M-HE-1-1835(1)	18	35	100	16
M-HE-1-1845	18	45	100	16
M-HE-1-1865	18	65	100	16
M-HE-1-1843	18	43	115	20

Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.

M-HE 2+2

Z2+2 PCD Wood Working Milling Cutter With HSS Shank Body PCD H2.5mm



- Strong wear resistance: PCD is an extremely hard material that is even harder than cemented carbide.
- High cutting efficiency: excellent thermal conductivity and low friction coefficient can reduce thermal deformation and tool adhesion during processing.
- High machining accuracy: the products produced have a good surface finish and are less prone to defects such as burrs and cracks.



Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]
M-HE-2-1025	10	25	75	12
M-HE-2-1225	12	25	75	12
M-HE-2-1230	12	30	80	12
M-HE-2-1625	16	25	85	16
M-HE-2-1630	16	30	90	16
M-HE-2-1635	16	35	90	16
M-HE-2-1638	16	38	90	16
M-HE-2-1638 S25	16	38	100	25

Order No.	D h7 [mm]	L1 [mm]	TL [mm]	SD h6 [mm]
M-HE-2-1838	18	38	90	16
M-HE-2-2028	20	28	90	20
M-HE-2-2035	20	35	105	20
M-HE-2-2043	20	43	105	20
M-HE-2-2030	20	30	100	25
M-HE-2-2038	20	38	105	25
M-HE-2-2535	25	35	110	25
M-HE-2-2548	25	48	115	25

Order Note

- Please refer to D 05/06 for the PCD milling cutters code key description.
- To place an order, please refer to the designation code.
- For the item which is not on the list pls contact our sales to get the quote.

A
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MILLING
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TOOLS

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DIAMOND
CUSTOM-MADE
TOOLS

Adjustable Face Milling Cutter

1 Tool Body Made of High-Strength Aluminium

- Wear-resistant
- Light weight design allows use at very high spindle speeds

2 Replaceable PCD Milling Inserts

- Durable and suitable for regrinding
- Unique chip guidance design for precise chip removal

5 Wiper Inserts

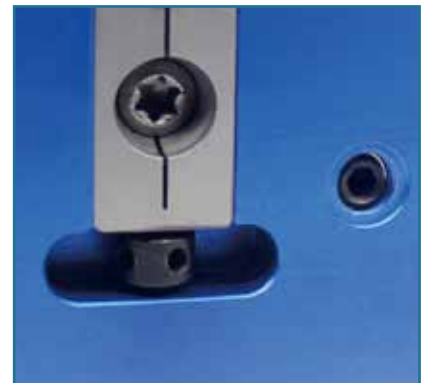
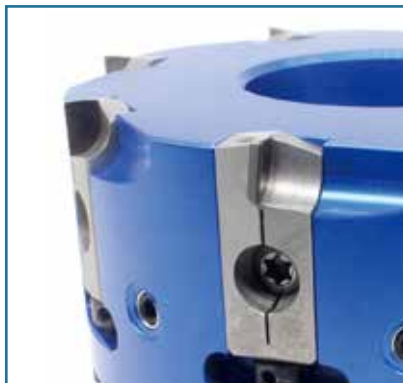
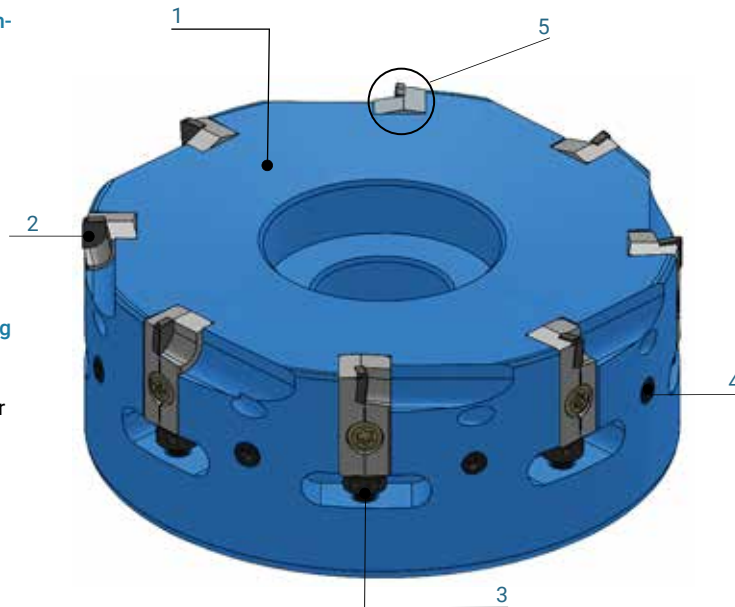
- Highly precise machining for improved surface finish

4 Dynamic Balancing Screws

- Perfect radial run-out due to balanced milling body

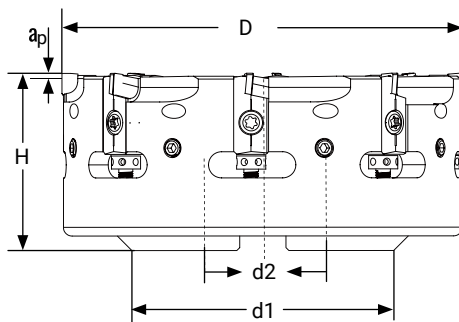
3 Adjusting Screw

- Easy to handle
- Accurate and dependable axial run-out adjustment, even in tough conditions



MSF-S

PCD Adjustable Face Milling Head



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MILLING
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TOOLS

F
PCD
REAMERS

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DRESSERS

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CUSTOM-MADE
TOOLS

Order No.	Dimensions				Z	ap max.	Weight (KG)
	D [mm]	H [mm]	d1 [mm]	d2 [mm]			
MSF-S-63-3T	63	48	43	22	4	7	0.65
MSF-S-73-5T	73	48	43	22	5	7	0.70
MSF-S-80-5T	80	50	49	27	5	7	0.75
MSF-S-80-6T	80	50	49	27	6	7	0.75
MSF-S-80-7T	80	50	49	27	7	7	0.8
MSF-S-100-6T	100	50	59	32	6	7	1.08
MSF-S-100-8T	100	50	59	32	8	7	1.20
MSF-S-125-8T	125	63	71	40	8	7	2.20
MSF-S-125-10T	125	63	71	40	10	7	2.20
MSF-S-140-10T	140	63	100	40	10	7	2.40
MSF-S-160-10T	160	63	104	40	10	7	2.75
MSF-S-160-12T	160	63	98	40	12	7	2.80
MSF-S-180-10T	180	63	104	40	10	7	3.40
MSF-S-200-12T	200	63	138	60	12	7	4.15
MSF-S-250-15T	250	63	138	60	15	7	6.70

-Accessories



MSF-PCD
MSW-PCD
PCD Milling inserts



M6*13
Adjusting screw



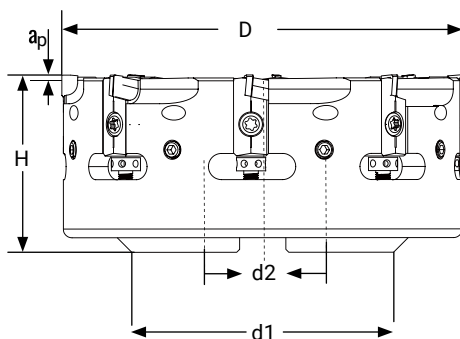
M6*13
PCD Milling inserts
fixing screw



Dynamic Balancing screws

MSF-D

PCD Adjustable Face Milling Head



Order No.	Dimensions				Z	ap max.	Weight (KG)
	D [mm]	H [mm]	d1 [mm]	d2 [mm]			
MSF-D-63-8T	63	22	43	28	8	5	0.80
MSF-D-80-8T	80	27	49	36	8	5	0.83
MSF-D-100-10T	100	32	59	45	10	5	1.20
MSF-D-125-12T	125	40	71	56	12	5	2.25
MSF-D-125-13T	125	40	71	56	13	5	2.20
MSF-D-160-18T	160	40	98	-	18	5	2.15
MSF-D-180-20T	180	40	104	-	20	5	2.60
MSF-D-200-24T	200	60	138	-	24	5	4.40
MSF-D-250-30T	250	60	138	-	30	5	7.00

-Accessories

MSF-PCD
MSW-PCD PCD Milling inserts

M6*13 Adjusting screw



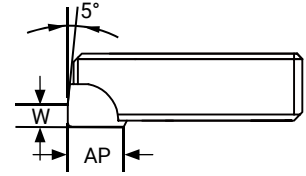
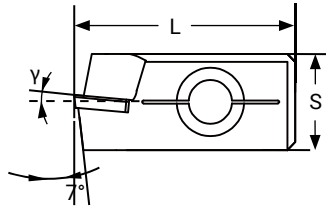
M6*13 PCD Milling inserts screw



Balancing screws

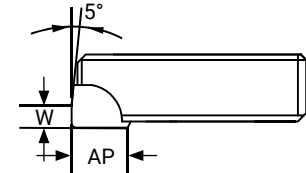
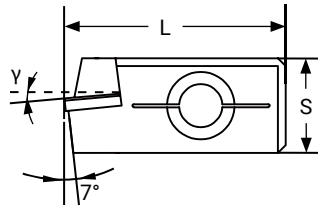
MSF-PCD / MSW-PCD

PCD Milling Cutter



	Order No.	L [mm]	Angle γ [°]	a_p max.	S [mm]	W max. [mm]
	MSF-PCD-A001	30	5	5	12	1
	MSF-PCD-A002	30	5	6	12	1
	MSF-PCD-A003	30	5	7	12	1
	MSF-PCD-A004	20	5	5	12	1
	MSF-PCD-A005	20	5	6	12	1
	MSF-PCD-A006	20	5	7	12	1

	Order No.	L [mm]	Angle γ [°]	a_p max.	S [mm]	W max. [mm]
	MSF-PCD-B001	30	5	5	12	2
	MSF-PCD-B002	30	5	6	12	2
	MSF-PCD-B003	30	5	7	12	2
	MSF-PCD-B004	20	5	5	12	2
	MSF-PCD-B005	20	5	6	12	2
	MSF-PCD-B006	20	5	7	12	2



	Order No.	L [mm]	Angle γ [°]	a_p max.	S [mm]	W max. [mm]
	MSW-PCD-A001	30	-5	5	12	2
	MSW-PCD-A002	30	-5	6	12	2
	MSW-PCD-A003	30	-5	7	12	2
	MSW-PCD-A004	20	-5	5	12	2
	MSW-PCD-A005	20	-5	6	12	2
	MSW-PCD-A006	20	-5	7	12	2

	Order No.	L [mm]	Angle γ [°]	a_p max.	S [mm]	W max. [mm]
	MSW-PCD-B001	30	-5	5	12	3
	MSW-PCD-B002	30	-5	6	12	3
	MSW-PCD-B003	30	-5	7	12	3
	MSW-PCD-B004	20	-5	5	12	3
	MSW-PCD-B005	20	-5	6	12	3
	MSW-PCD-B006	20	-5	7	12	3

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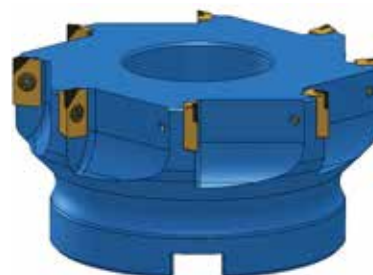
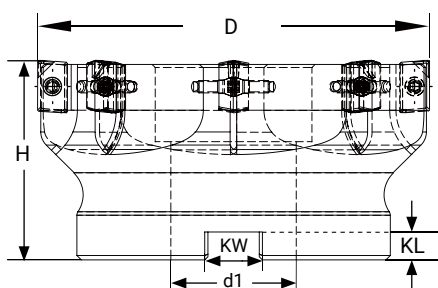
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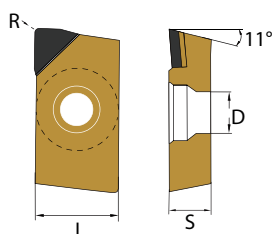
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MFX

Fixed Face Milling Cutter with Diamond Inserts



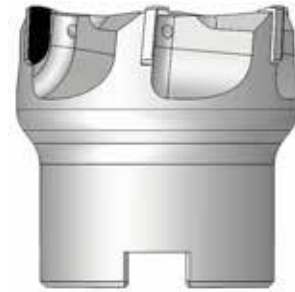
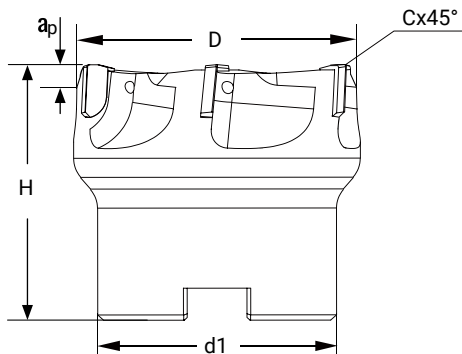
Order No.	Dimensions					Z	a _p max.	Weight (KG)
	D [mm]	d1 [mm]	H [mm]	KW [mm]	KL [mm]			
MFX-40-5T	40	16	40	8.4	5.6	5	17	0.20
MFX-50-4T	50	22	40	10.4	6.3	4	17	0.33
MFX-50-6T	50	22	40	10.4	6.3	6	17	0.37
MFX-63-5T	63	22	50	10.4	6.3	5	17	0.61
MFX-80-6T	80	27	50	12.4	7	6	17	0.96
MFX-100-7T	100	32	63	14.4	8	7	17	2.13
MFX-125-8T	125	40	63	16.4	9	8	17	2.80
MFX-160-10T	160	40	63	16.4	9	10	17	3.94
MFX-200-12T	200	60	63	25.7	14	12	17	7.25
MFX-250-14T	250	60	63	25.7	14	14	17	10.66



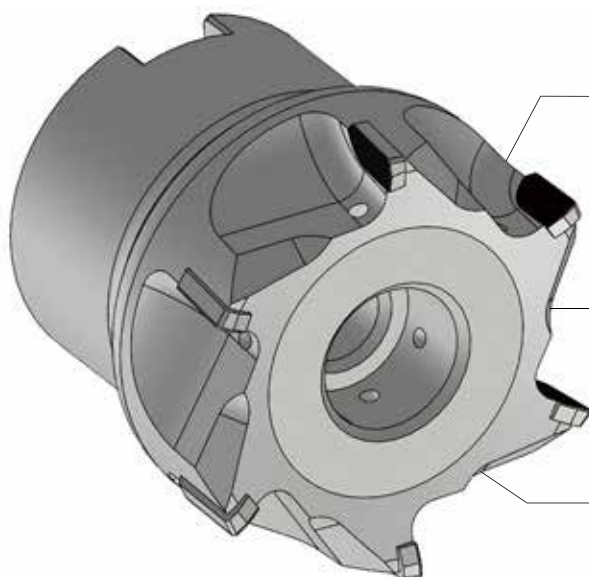
Designation	I [mm]	D [mm]	S [mm]	R	Accessories
APKT110302-TP	6.35	2.8	3.18	0.2	 M5 / M6 *13
APKT110304-TP				0.4	
APKT110308-TP				0.8	
APKT160302-TP	9.525	4.4	3.18	0.2	
APKT160304-TP				0.4	
APKT160308-TP				0.8	

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DIAMOND
DRESSERSH
DIAMOND
CUSTOM-MADE
TOOLS

ML-Welding PCD Face Milling



Order No.	Dimensions				Z	a _p max.	Helix angle	Weight (KG)
	D [mm]	d1 [mm]	H [mm]	Cx45°				
ML-32-4T	32	16	40	0.1	4	10	+5°	0.5
ML-40-4T	40	16	40	0.1	4	10	+5°	0.5
ML-50-5T	50	22	48	0.1	5	10	+5°	0.5
ML-63-6T	63	22	48	0.1	6	10	+5°	0.5
ML-80-7T	80	27	50	0.1	7	10	+5°	1.0



1 Internal Cooling Holes

Enhances chip removal, maintaining tool cleanliness and durability.

2 Adjustable Cutting Depth

Adjustable for varying machining needs.

3 High-Precision Machining

Delivers outstanding surface finish, ideal for precision machining : +/-0.01mm.

Widely used in automotive component manufacturing.

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DRESSERSH
DIAMOND
CUSTOM-MADE
TOOLS

1. HSK PCD Face Milling

- Precision PCD milling cutter for ADC 12 aluminum, ideal for engine blocks and cylinder head surfaces.
- Innovative cutting-edge design reduces vibrations, leading to smoother operations and improved workpiece quality.

Application	Face Milling, Shoulder Milling
Workpiece Material	Cast Aluminum, Aluminum-Silicon Alloy, Aluminum
Tolerance	0.01-0.02mm



2. PCD Corn Cob End Mill With BT/HSK Shank

- Staggered-tooth PCD cutter, BT/HSK shank, and coolant for efficient roughing and material removal.
- Extended edges, large depths, and axial spiral ensure reduced resistance and higher productivity.

Process	Roughing, Slot Milling, Side Milling, and Profile Milling
Suitable Materials	Aluminum, Graphite, Cast Aluminum, Carbon Fiber, etc
Customizable	Yes



3. PCD Custom-made Milling Cutter

- Unified cutting-edge enhances stability and performance in the spherical bottom holes and complex contour machining.
- Excelling with graphite, high-hardness composites, and pre-sintered ceramics, ensuring reduced tool changes.

Process	Ball Socket Forming, Profile Milling
Suitable Materials	Graphite, High-Hardness Composites, Pre-Sintered Ceramics
Specifications	D3-D10
Customizable	Yes



4. PCD Tipped T-slot

- Customizable PCD T-slot cutter with 2, 4, 6, or 8 teeth, tailored to individual client needs.
- Versatile tooth profile options, ideal for internal slot machining, with carbide or high-speed steel shank options.

Application	Internal and External Slot Milling, Form Milling
Suitable Materials	Aluminum, Aluminum-Silicon Alloy, Copper, Graphite, and other non-ferrous materials
Tolerance	0.005-0.01mm

A
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INSERTS

C
SOLID CBN
INSERTS



5. Customizable PCD T-slot Milling Cutter

- Long cutting edge and axial helix angle for efficient slot milling, internal cooling optimizes chip evacuation and extends tool life.
- Tailored contour profile, ideal for roughing and heavy-duty cutting.

Application	Internal and External Slot Milling, Form Milling
Suitable Materials	Aluminum, Aluminum-Silicon Alloy, Copper, Graphite, and other non-ferrous materials
Tolerance	0.005-0.01mm

D
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MILLING
CUTTERS

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TOOLS

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REAMERS



6. PCD Thread Milling Cutter

- Customizable PCD thread milling cutter for tough materials and fast-wearing carbide.
- Precision-engineered with solid PCD welding to produce sharp, accurate threads.

Application	Thread Milling
Suitable Materials	Graphite, Pre-Sintered Ceramics, Sic
Tolerance	0.005-0.01mm

G
DIAMOND
DRESSERS

H
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