

New product introduction

HFS type

End mill for finishing of hard materials



(4,5,6,7HFSS) (4,5,6,7,8HFSM)

MEGACOAT is applied



with Corner land



HFS cross section



FES cross section

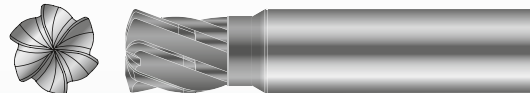
● For finishing of hard materials

- End mill for hard materials that achieves longer tool life and stable machining.
- Applicable for hard materials up to 67HRC.
- Achieves high feed rate machining for cutting of hard materials.
- Compared to the FES type, the core diameter was increased by 30%, for higher rigidity.
- Negative rake angle and stronger cutting edge design with corner land.

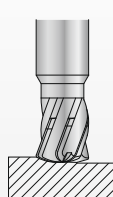
→ L25, L26

PDR type

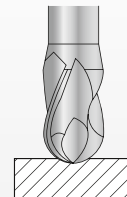
High efficiency radius end mill for hard materials



(6PDRS)



PDR type



General Purpose Ball-Nosed End Mill

● For high efficiency machining of hard materials

- Improved productivity with 6 edge design and high feed rate.
- Special corner-R shape with the large contact area on the bottom surface achieves large machining allowance and high efficiency machining.
- Applicable for hard materials up to 67HRC.

→ L32

DEK type, DER type

End mill for high feed rate machining of difficult-to-cut materials



(5DEKM, 5DERM)

● For high efficiency machining of difficult-to-cut materials

- Achieves high feed rate machining with 5 edge design
- Achieves high efficiency machining for difficult-to-cut materials, such as stainless steel and heat-resistant alloys.
- Applicable for slotting with a cutting depth up to 0.8D.
- Unequally partitioned flute design prevents vibration and reduces cutting force.
- Able to accommodate work from roughing to finishing with a single tool.

→ L37

NES type

End mill for finishing of aluminum & non-ferrous materials



with wiper edge

(3NESM)

● For finishing of aluminum

- A wiper is attached at the lower edge for improving bottom surface finish.
- Chattering is controlled with cutting edge slots at varied intervals, and finishing of lateral surfaces is improved.
- A special core shape facilitates improved chip evacuation, while assuring rigidity.
- Able to accommodate work from roughing to finishing with a single tool.

→ L39

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Solid End Mill