

Multi-functional, high efficiency

No. of Flutes: 3

3ZFKS, 3ZFKM

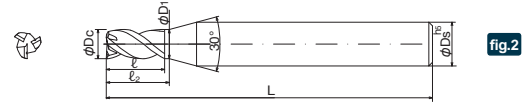
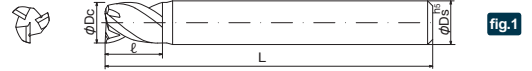


MEGACOAT is applied

Super Micro-grain carbide

Workpiece Materials

★ 1st choice



3ZFKS (Short)

Shouldering Slotting Plunge milling

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Under Neck Length	Shank diameter	Overall length	No. of Flutes
		∅Dc		ℓ	∅D1	ℓ2	∅Ds	L	Z
3ZFKS060-090-06 fig.1	<input type="checkbox"/>	6.0	⁰ _{-0.02}	9	-	-	6	50	3
3ZFKS070-105-08 fig.2	<input type="checkbox"/>	7.0	⁰ _{-0.02}	10.5	7.2	11.3	8	60	3
3ZFKS080-120-08 fig.1	<input type="checkbox"/>	8.0	^{-0.005} _{-0.025}	12	-	-	8	60	3
3ZFKS100-150-10 fig.1	<input type="checkbox"/>	10.0	^{-0.005} _{-0.025}	15	-	-	10	70	3
3ZFKS120-180-12 fig.1	<input type="checkbox"/>	12.0	^{-0.01} _{-0.03}	18	-	-	12	75	3

3ZFKM (Medium)

Shouldering Slotting Plunge milling

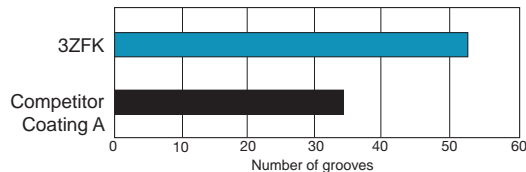
(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Under Neck Length	Shank diameter	Overall length	No. of Flutes
		∅Dc		ℓ	∅D1	ℓ2	∅Ds	L	Z
3ZFKM030-060-06 fig.2	<input type="checkbox"/>	3.0	⁰ _{-0.015}	6.0	3.2	6.5	6	50	3
3ZFKM040-080-06 fig.2	<input type="checkbox"/>	4.0	⁰ _{-0.015}	8.0	4.2	8.6	6	50	3
3ZFKM050-100-06 fig.2	<input type="checkbox"/>	5.0	⁰ _{-0.015}	10.0	5.2	10.8	6	50	3
3ZFKM060-130-06 fig.1	<input type="checkbox"/>	6.0	⁰ _{-0.02}	13.0	-	-	6	50	3
3ZFKM070-160-08 fig.2	<input type="checkbox"/>	7.0	⁰ _{-0.02}	16.0	7.2	17.3	8	60	3
3ZFKM080-190-08 fig.1	<input type="checkbox"/>	8.0	^{-0.005} _{-0.025}	19.0	-	-	8	60	3
3ZFKM100-220-10 fig.1	<input type="checkbox"/>	10.0	^{-0.005} _{-0.025}	22.0	-	-	10	70	3
3ZFKM120-260-12 fig.1	<input type="checkbox"/>	12.0	^{-0.01} _{-0.03}	26.0	-	-	12	75	3

Case studies

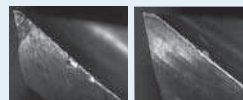
Slotting of Titanium Alloy

Outside Dia.	∅10	
Material	Ti-6Al-4V	
Spindle Revolution	3ZFK: n=1700min ⁻¹ Competitor Coating A: n=1300min ⁻¹	
Feed Rate	Vf =460mm/min	
Depth of Cut	apxae=2x10mm	

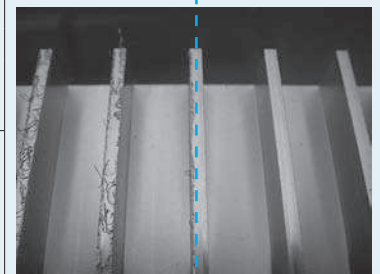


- Better surface finish and longer tool life with 3ZFK.
- Compared to competitor's coated products, the 3ZFK has 1.4 times longer tool life.
- 3ZFK prevents burr formation due to sharp cutting edge.

◆ Cutting edge after 35 passes



Competitor Coating A 3ZFK



Competitor Coating A 3ZFK

Recommended Cutting Conditions **L40**

: Check Availability