

SURFACE FINISH ORIENTED, FOR AUTOMATIC LATHE

2FESW, 3FESW, 4FESW



(2FESW)



Workpiece Material: Kovar alloy

2FES (Ø3·2flutes)		Facing of machine component · Vc=66 sfm (n=2150min ⁻¹) · fz=0.001 ipt (Vf=3.9 ipm)
Competitor C (Ø3·2flutes)		

Comparison with competitor's endmill after 600 passes



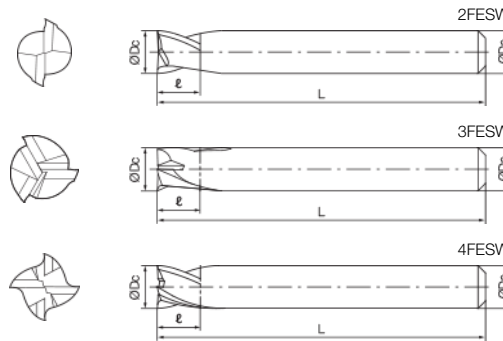
MEGACOAT is applied

Super Micro-Grain Carbide

No. of Flutes: 2,3,4

Workpiece Materials

★: 1st Recommendation



Sharp Cutting Edge Reduced Burrs

2FESW

Shouldering Slotting

(Unit : mm)

Part Number	Stock	Outside Dia.	Mill Dia. tolerance	Length of cut ℓ	Shank Dia. ØDs	Overall length L	No. of Flutes Z
		ØDc					
2FESW050-050-05A	○	5.0	⁰ _{-0.020}	5.0	5	35	2
2FESW060-060-05A	○	6.0	⁰ _{-0.020}	6.0	5	35	2
2FESW030-030-04	○	3.0	⁰ _{-0.020}	3.0	4	45	2
2FESW035-035-04	○	3.5	⁰ _{-0.020}	3.5	4	45	2
2FESW040-040-04	○	4.0	⁰ _{-0.020}	4.0	4	45	2
2FESW050-050-06	○	5.0	⁰ _{-0.020}	5.0	6	45	2
2FESW060-060-06	○	6.0	⁰ _{-0.020}	6.0	6	45	2
2FESW070-070-07	○	7.0	⁰ _{-0.025}	7.0	7	45	2
2FESW080-080-07	○	8.0	⁰ _{-0.025}	8.0	7	45	2
2FESW080-080-08	○	8.0	⁰ _{-0.025}	8.0	8	45	2
2FESW100-080-07	○	10.0	⁰ _{-0.025}	8.0	7	45	2
2FESW100-080-10	○	10.0	⁰ _{-0.025}	8.0	10	45	2
2FESW120-080-10	○	12.0	⁰ _{-0.025}	8.0	10	45	2
2FESW120-080-12	○	12.0	⁰ _{-0.030}	8.0	12	45	2
2FESW130-080-13	○	13.0	⁰ _{-0.030}	8.0	13	45	2

4FESW

Shouldering Slotting

(Unit : mm)

Part Number	Stock	Outside Dia.	Mill Dia. tolerance	Length of cut ℓ	Shank Dia. ØDs	Overall length L	No. of Flutes Z
		ØDc					
4FESW030-030-04	○	3.0	⁰ _{-0.020}	3.0	4	45	4
4FESW035-035-04	○	3.5	⁰ _{-0.020}	3.5	4	45	4
4FESW040-040-04	○	4.0	⁰ _{-0.020}	4.0	4	45	4
4FESW050-050-06	○	5.0	⁰ _{-0.020}	5.0	6	45	4
4FESW060-060-06	○	6.0	⁰ _{-0.020}	6.0	6	45	4
4FESW070-070-07	○	7.0	⁰ _{-0.025}	7.0	7	45	4
4FESW080-080-07	○	8.0	⁰ _{-0.025}	8.0	7	45	4

3FESW

Shouldering Slotting

(Unit : mm)

Part Number	Stock	Outside Dia.	Mill Dia. tolerance	Length of cut ℓ	Shank Dia. ØDs	Overall length L	No. of Flutes Z
		ØDc					
3FESW050-050-05A	○	5.0	⁰ _{-0.020}	5.0	5	35	3
3FESW060-060-05A	○	6.0	⁰ _{-0.020}	6.0	5	35	3
3FESW030-030-04	○	3.0	⁰ _{-0.020}	3.0	4	45	3
3FESW035-035-04	○	3.5	⁰ _{-0.020}	3.5	4	45	3
3FESW040-040-04	○	4.0	⁰ _{-0.020}	4.0	4	45	3
3FESW050-050-06	○	5.0	⁰ _{-0.020}	5.0	6	45	3
3FESW060-060-06	○	6.0	⁰ _{-0.020}	6.0	6	45	3
3FESW070-070-07	○	7.0	⁰ _{-0.025}	7.0	7	45	3
3FESW080-080-07	○	8.0	⁰ _{-0.025}	8.0	7	45	3
3FESW080-080-08	○	8.0	⁰ _{-0.025}	8.0	8	45	3
3FESW100-080-07	○	10.0	⁰ _{-0.025}	8.0	7	45	3
3FESW100-080-10	○	10.0	⁰ _{-0.025}	8.0	10	45	3
3FESW120-080-10	○	12.0	⁰ _{-0.025}	8.0	10	45	3
3FESW120-080-12	○	12.0	⁰ _{-0.030}	8.0	12	45	3
3FESW130-080-13	○	13.0	⁰ _{-0.030}	8.0	13	45	3

Part Number	Stock	Outside Dia.	Mill Dia. tolerance	Length of cut ℓ	Shank Dia. ØDs	Overall length L	No. of Flutes Z
		ØDc					
4FESW080-080-08	○	8.0	⁰ _{-0.025}	8.0	8	45	4
4FESW100-080-07	○	10.0	⁰ _{-0.025}	8.0	7	45	4
4FESW100-080-10	○	10.0	⁰ _{-0.025}	8.0	10	45	4
4FESW120-080-10	○	12.0	⁰ _{-0.025}	8.0	10	45	4
4FESW120-080-12	○	12.0	⁰ _{-0.030}	8.0	12	45	4
4FESW130-080-13	○	13.0	⁰ _{-0.030}	8.0	13	45	4

Recommended Cutting Conditions ● L15~ ● L16