2FEKM

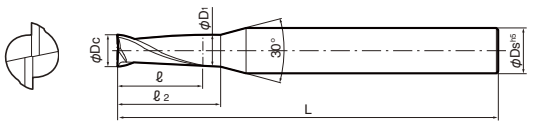
Number of Flutes: 2

General use / Finishing
Tough corner edge (Medium)

Recommended Material ★ 1st Recommendation

★P ~750N/mm²	★P ~30HRC	P 30~40HRC	H ~55HRC	★M Stainless steel	K Cast Iron	N Aluminum & Non Ferrous Material

MEGACOAT | Land | h5 Shank Dia. | 30°



2

MEGACOAT is applied

Super Micro-grain carbide

Lineup

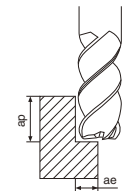
(Unit: mm)

Description	Std.	Outside Dia. øDc	Outside Dia. tolerance	Length of edge ℓ	Neck Dia. øD1	Under Neck Length ℓ2	Shank Dia. øDs	Overall length L	Number of Flutes Z
2FEKM030-100-06	●	3.0	0 -0.015	10.0	3.15	12.0	6	50	2
2FEKM035-100-06	●	3.5	0 -0.015	10.0	3.68	12.0	6	50	2
2FEKM040-110-06	●	4.0	0 -0.015	11.0	4.2	13.2	6	50	2
2FEKM045-110-06	●	4.5	0 -0.015	11.0	4.7	13.2	6	50	2
2FEKM050-130-06	●	5.0	0 -0.015	13.0	5.2	15.6	6	50	2
2FEKM055-130-06	●	5.5	0 -0.015	13.0	5.7	15.6	6	50	2
2FEKM060-130-06	●	6.0	0 -0.020	13.0	-	-	6	50	2
2FEKM065-160-08	●	6.5	0 -0.020	16.0	6.7	22.4	8	60	2
2FEKM070-160-08	●	7.0	0 -0.020	16.0	7.2	22.4	8	60	2
2FEKM075-190-08	●	7.5	0 -0.020	19.0	7.7	26.6	8	60	2
2FEKM080-190-08	●	8.0	-0.005 -0.025	19.0	-	-	8	60	2

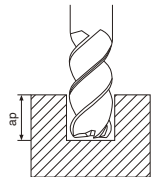
(Unit: mm)

Description	Std.	Outside Dia. øDc	Outside Dia. tolerance	Length of edge ℓ	Neck Dia. øD1	Under Neck Length ℓ2	Shank Dia. øDs	Overall length L	Number of Flutes Z
2FEKM085-190-10	●	8.5	-0.005 -0.025	19.0	8.7	26.6	10	70	2
2FEKM090-190-10	●	9.0	-0.005 -0.025	19.0	9.2	26.6	10	70	2
2FEKM095-190-10	●	9.5	-0.005 -0.025	19.0	9.7	26.6	10	70	2
2FEKM100-220-10	●	10.0	-0.005 -0.025	22.0	-	-	10	70	2
2FEKM110-220-12	●	11.0	-0.005 -0.025	22.0	11.2	30.8	12	75	2
2FEKM120-260-12	●	12.0	-0.010 -0.030	26.0	-	-	12	75	2
2FEKM130-260-16	●	13.0	-0.010 -0.030	26.0	13.2	36.4	16	75	2
2FEKM140-260-16	●	14.0	-0.010 -0.030	26.0	14.2	36.4	16	75	2
2FEKM150-300-16	●	15.0	-0.010 -0.030	30.0	15.2	42.0	16	90	2
2FEKM160-320-16	●	16.0	-0.010 -0.030	32.0	-	-	16	90	2

Recommended Cutting Conditions



Shouldering



Slotting

Shouldering

Workpiece Materials	Depth of Cut (ap×ae) (mm)	Outside Dia. (mm)	ø3	ø4	ø6	ø8	ø10	ø12	ø16
Carbon Steel	1.5Dc×0.1Dc	Spindle Revolution (min-1)	9,300	7,000	4,600	3,500	3,000	2,700	2,200
		Feed Rate (mm/min)	450	450	470	470	470	470	440
Alloy Steel	1.5Dc×0.1Dc	Spindle Revolution (min-1)	8,800	6,600	4,400	3,300	2,600	2,200	1,800
		Feed Rate (mm/min)	370	370	380	380	380	380	360
Pre-hardened Steel 30~45HRC	1.5Dc×0.1Dc	Spindle Revolution (min-1)	6,400	4,800	3,200	2,400	1,900	1,600	1,200
		Feed Rate (mm/min)	130	130	130	140	140	140	140
Stainless Steel	1.5Dc×0.1Dc	Spindle Revolution (min-1)	8,000	6,000	4,000	3,000	2,400	2,000	1,500
		Feed Rate (mm/min)	140	140	140	140	140	140	140

* Machining with coolant is recommended for stainless steel.

Please refer to page L44 about Slotting.

● : Std. Item ○ : Check Availability R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)