

Surface finish oriented

No. of Flutes: 4

4 flutes, Sharp corner edge

4FESM

Workpiece Materials ★ 1st choice

★
P
~30HRC

P
30~40HRC

H
~55HRC

★
M
Stainless steel

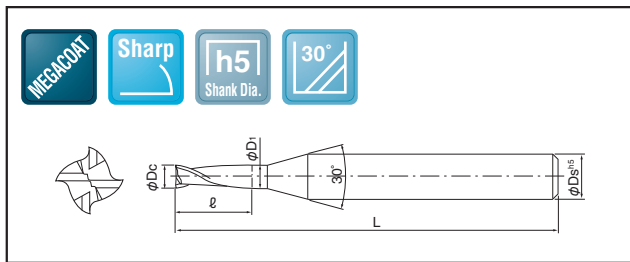
K
Cast Iron

N
Aluminum & Non-ferrous Metals



MEGACOAT is applied

Super Micro-grain carbide



4FESM

Shouldering

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Shank diameter	Overall length	No. of Flutes
		φDc		ℓ	φD1	φDs	L	
4FESM010-025-04	<input type="checkbox"/>	1.0	⁰ / _{-0.015}	2.5	1.1	4	45	4
4FESM015-040-04	<input type="checkbox"/>	1.5	⁰ / _{-0.015}	4.0	1.6	4	45	4
4FESM020-060-04	<input type="checkbox"/>	2.0	⁰ / _{-0.015}	6.0	2.1	4	45	4
4FESM025-080-04	<input type="checkbox"/>	2.5	⁰ / _{-0.015}	8.0	2.6	4	45	4
4FESM030-100-06	<input type="checkbox"/>	3.0	⁰ / _{-0.015}	10.0	3.2	6	50	4
4FESM035-100-06	<input type="checkbox"/>	3.5	⁰ / _{-0.015}	10.0	3.7	6	50	4
4FESM040-110-06	<input type="checkbox"/>	4.0	⁰ / _{-0.015}	11.0	4.2	6	50	4
4FESM045-110-06	<input type="checkbox"/>	4.5	⁰ / _{-0.015}	11.0	4.7	6	50	4
4FESM050-130-06	<input type="checkbox"/>	5.0	⁰ / _{-0.015}	13.0	5.2	6	50	4
4FESM055-130-06	<input type="checkbox"/>	5.5	⁰ / _{-0.015}	13.0	5.7	6	50	4
4FESM060-130-06	<input type="checkbox"/>	6.0	⁰ / _{-0.020}	13.0	-	6	50	4
4FESM080-190-08	<input type="checkbox"/>	8.0	^{-0.005} / _{-0.025}	19.0	-	8	60	4
4FESM100-220-10	<input type="checkbox"/>	10.0	^{-0.005} / _{-0.025}	22.0	-	10	70	4
4FESM120-260-12	<input type="checkbox"/>	12.0	^{-0.010} / _{-0.030}	26.0	-	12	75	4
4FESM140-260-16	<input type="checkbox"/>	14.0	^{-0.010} / _{-0.030}	26.0	14.2	16	75	4
4FESM150-300-16	<input type="checkbox"/>	15.0	^{-0.010} / _{-0.030}	30.0	15.2	16	90	4
4FESM160-320-16	<input type="checkbox"/>	16.0	^{-0.010} / _{-0.030}	32.0	-	16	90	4

: Check Availability

4 flutes, Tough corner edge

4FEKM

Workpiece Materials ★ 1st choice

★
P
~30HRC

P
30~40HRC

H
~55HRC

★
M
Stainless steel

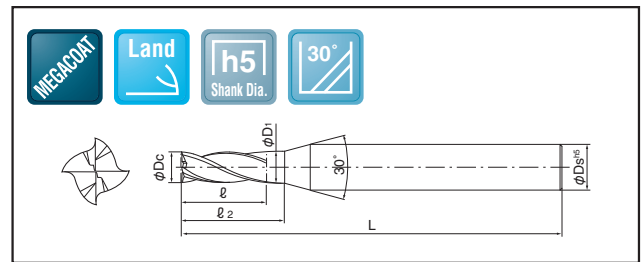
K
Cast Iron

N
Aluminum & Non-ferrous Metals



MEGACOAT is applied

Super Micro-grain carbide



4FEKM

Shouldering

(Unit : mm)

Description	Std.	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Under Neck Length	Shank diameter	Overall length	No. of Flutes
		φDc		ℓ	φD1	ℓ2	φDs	L	
4FEKM030-100-06	<input type="checkbox"/>	3.0	⁰ / _{-0.015}	10.0	3.15	12	6	49.8	4
4FEKM035-100-06	<input type="checkbox"/>	3.5	⁰ / _{-0.015}	10.0	3.68	12	6	49.8	4
4FEKM040-110-06	<input type="checkbox"/>	4.0	⁰ / _{-0.015}	11.0	4.2	13.2	6	49.8	4
4FEKM045-110-06	<input type="checkbox"/>	4.5	⁰ / _{-0.015}	11.0	4.7	13.2	6	49.8	4
4FEKM050-130-06	<input type="checkbox"/>	5.0	⁰ / _{-0.015}	13.0	5.2	15.6	6	49.8	4
4FEKM055-130-06	<input type="checkbox"/>	5.5	⁰ / _{-0.015}	13.0	5.7	15.6	6	49.8	4
4FEKM060-130-06	<input type="checkbox"/>	6.0	⁰ / _{-0.020}	13.0	-	-	6	49.8	4
4FEKM080-190-08	<input type="checkbox"/>	8.0	^{-0.005} / _{-0.025}	19.0	-	-	8	59.8	4
4FEKM100-220-10	<input type="checkbox"/>	10.0	^{-0.005} / _{-0.025}	22.0	-	-	10	69.8	4
4FEKM120-260-12	<input type="checkbox"/>	12.0	^{-0.010} / _{-0.030}	26.0	-	-	12	74.8	4
4FEKM140-260-16	<input type="checkbox"/>	14.0	^{-0.010} / _{-0.030}	26.0	14.2	36.4	16	74.8	4
4FEKM150-300-16	<input type="checkbox"/>	15.0	^{-0.010} / _{-0.030}	30.0	15.2	42	16	89.8	4
4FEKM160-320-16	<input type="checkbox"/>	16.0	^{-0.010} / _{-0.030}	32.0	-	-	16	89.8	4

Recommended Cutting Conditions L35