

SURFACE FINISH ORIENTED, 2 FLUTES, SHARP CORNER EDGE

- A GRADES
- B INSERTS
- C CBN & PCD
- E TURNING
- F BORING
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- J THREADING
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2FESM (Medium)

Shouldering Slotting
(Unit : mm)

Part Number	Stock	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Shank Dia.	Overall length	No. of Flutes
		ØDc		ℓ	ØD1	ØDs	L	Z
2FESM034-100-06	○	3.4	0 -0.015	10.0	3.6	6	50	2
2FESM035-100-06	○	3.5	0 -0.015	10.0	3.7	6	50	2
2FESM036-100-06	○	3.6	0 -0.015	10.0	3.8	6	50	2
2FESM037-100-06	○	3.7	0 -0.015	10.0	3.9	6	50	2
2FESM038-110-06	○	3.8	0 -0.015	11.0	4.0	6	50	2
2FESM039-110-06	○	3.9	0 -0.015	11.0	4.1	6	50	2
2FESM040-110-06	○	4.0	0 -0.015	11.0	4.2	6	50	2
2FESM041-110-06	○	4.1	0 -0.015	11.0	4.3	6	50	2
2FESM042-110-06	○	4.2	0 -0.015	11.0	4.4	6	50	2
2FESM043-110-06	○	4.3	0 -0.015	11.0	4.5	6	50	2
2FESM044-110-06	○	4.4	0 -0.015	11.0	4.6	6	50	2
2FESM045-110-06	○	4.5	0 -0.015	11.0	4.7	6	50	2
2FESM046-110-06	○	4.6	0 -0.015	11.0	4.8	6	50	2
2FESM047-110-06	○	4.7	0 -0.015	11.0	4.9	6	50	2
2FESM048-130-06	○	4.8	0 -0.015	13.0	5.0	6	50	2
2FESM049-130-06	○	4.9	0 -0.015	13.0	5.1	6	50	2
2FESM050-130-06	○	5.0	0 -0.015	13.0	5.2	6	50	2
2FESM051-130-06	○	5.1	0 -0.015	13.0	5.3	6	50	2
2FESM052-130-06	○	5.2	0 -0.015	13.0	5.4	6	50	2
2FESM053-130-06	○	5.3	0 -0.015	13.0	5.5	6	50	2
2FESM054-130-06	○	5.4	0 -0.015	13.0	5.6	6	50	2
2FESM055-130-06	○	5.5	0 -0.015	13.0	5.7	6	50	2
2FESM056-130-06	○	5.6	0 -0.015	13.0	5.8	6	50	2
2FESM057-130-06	○	5.7	0 -0.015	13.0	-	6	50	2
2FESM058-130-06	○	5.8	0 -0.015	13.0	-	6	50	2
2FESM059-130-06	○	5.9	0 -0.015	13.0	-	6	50	2
2FESM060-130-06	○	6.0	0 -0.020	13.0	-	6	50	2
2FESM061-160-08	○	6.1	0 -0.020	16.0	6.3	8	60	2
2FESM062-160-08	○	6.2	0 -0.020	16.0	6.4	8	60	2
2FESM063-160-08	○	6.3	0 -0.020	16.0	6.5	8	60	2
2FESM064-160-08	○	6.4	0 -0.020	16.0	6.6	8	60	2
2FESM065-160-08	○	6.5	0 -0.020	16.0	6.7	8	60	2
2FESM066-160-08	○	6.6	0 -0.020	16.0	6.8	8	60	2
2FESM067-160-08	○	6.7	0 -0.020	16.0	6.9	8	60	2
2FESM068-160-08	○	6.8	0 -0.020	16.0	7.0	8	60	2
2FESM069-160-08	○	6.9	0 -0.020	16.0	7.1	8	60	2
2FESM070-160-08	○	7.0	0 -0.020	16.0	7.2	8	60	2
2FESM071-160-08	○	7.1	0 -0.020	16.0	7.3	8	60	2
2FESM072-160-08	○	7.2	0 -0.020	16.0	7.4	8	60	2
2FESM073-160-08	○	7.3	0 -0.020	16.0	7.5	8	60	2
2FESM074-160-08	○	7.4	0 -0.020	16.0	7.6	8	60	2
2FESM075-190-08	○	7.5	0 -0.020	19.0	7.7	8	60	2
2FESM076-190-08	○	7.6	0 -0.020	19.0	-	8	60	2
2FESM077-190-08	○	7.7	0 -0.020	19.0	-	8	60	2
2FESM078-190-08	○	7.8	0 -0.020	19.0	-	8	60	2
2FESM079-190-08	○	7.9	0 -0.020	19.0	-	8	60	2

(Unit : mm)

Part Number	Stock	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Shank Dia.	Overall length	No. of Flutes
		ØDc		ℓ	ØD1	ØDs	L	Z
2FESM080-190-08	○	8.0	-0.005 -0.025	19.0	-	8	60	2
2FESM081-190-10	○	8.1	-0.005 -0.025	19.0	8.3	10	70	2
2FESM082-190-10	○	8.2	-0.005 -0.025	19.0	8.4	10	70	2
2FESM083-190-10	○	8.3	-0.005 -0.025	19.0	8.5	10	70	2
2FESM084-190-10	○	8.4	-0.005 -0.025	19.0	8.6	10	70	2
2FESM085-190-10	○	8.5	-0.005 -0.025	19.0	8.7	10	70	2
2FESM086-190-10	○	8.6	-0.005 -0.025	19.0	8.8	10	70	2
2FESM087-190-10	○	8.7	-0.005 -0.025	19.0	8.9	10	70	2
2FESM088-190-10	○	8.8	-0.005 -0.025	19.0	9.0	10	70	2
2FESM089-190-10	○	8.9	-0.005 -0.025	19.0	9.1	10	70	2
2FESM090-190-10	○	9.0	-0.005 -0.025	19.0	9.2	10	70	2
2FESM091-190-10	○	9.1	-0.005 -0.025	19.0	9.3	10	70	2
2FESM092-190-10	○	9.2	-0.005 -0.025	19.0	9.4	10	70	2
2FESM093-190-10	○	9.3	-0.005 -0.025	19.0	9.5	10	70	2
2FESM094-190-10	○	9.4	-0.005 -0.025	19.0	9.6	10	70	2
2FESM095-190-10	○	9.5	-0.005 -0.025	19.0	9.7	10	70	2
2FESM096-220-10	○	9.6	-0.005 -0.025	22.0	-	10	70	2
2FESM097-220-10	○	9.7	-0.005 -0.025	22.0	-	10	70	2
2FESM098-220-10	○	9.8	-0.005 -0.025	22.0	-	10	70	2
2FESM099-220-10	○	9.9	-0.005 -0.025	22.0	-	10	70	2
2FESM100-220-10	○	10.0	-0.005 -0.025	22.0	-	10	70	2
2FESM105-220-12	○	10.5	-0.005 -0.025	22.0	10.7	12	75	2
2FESM110-220-12	○	11.0	-0.005 -0.025	22.0	11.2	12	75	2
2FESM115-220-12	○	11.5	-0.005 -0.025	22.0	11.7	12	75	2
2FESM120-260-12	○	12.0	-0.010 -0.030	26.0	-	12	75	2
2FESM130-260-16	○	13.0	-0.010 -0.030	26.0	13.2	16	75	2
2FESM140-260-16	○	14.0	-0.010 -0.030	26.0	14.2	16	75	2
2FESM150-300-16	○	15.0	-0.010 -0.030	30.0	15.2	16	90	2
2FESM160-320-16	○	16.0	-0.010 -0.030	32.0	-	16	90	2

2FESL (Long)

Shouldering
(Unit : mm)

Part Number	Stock	Outside Dia.	Mill Dia. tolerance	Length of cut	Neck Dia.	Shank Dia.	Overall length	No. of Flutes
		ØDc		ℓ	ØD1	ØDs	L	Z
2FESL010-040-04	○	1.0	0 -0.015	4.0	1.1	4	45	2
2FESL015-060-04	○	1.5	0 -0.015	6.0	1.6	4	45	2
2FESL020-090-04	○	2.0	0 -0.015	9.0	2.1	4	45	2
2FESL025-120-04	○	2.5	0 -0.015	12.0	2.6	4	45	2
2FESL030-140-06	○	3.0	0 -0.015	14.0	3.2	6	50	2
2FESL040-170-06	○	4.0	0 -0.015	17.0	4.2	6	50	2
2FESL050-200-06	○	5.0	0 -0.015	20.0	5.2	6	60	2
2FESL060-240-06	○	6.0	-0.005 -0.025	24.0	-	6	60	2
2FESL080-280-08	○	8.0	-0.005 -0.025	28.0	-	8	70	2
2FESL100-340-10	○	10.0	-0.005 -0.025	34.0	-	10	90	2
2FESL120-400-12	○	12.0	-0.010 -0.030	40.0	-	12	90	2
2FESL160-480-16	○	16.0	-0.010 -0.030	48.0	-	16	115	2

Recommended Cutting Conditions L12~ L13