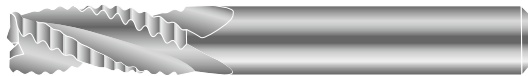


3AESM

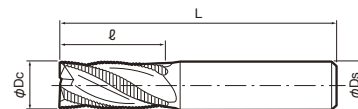
Number of Flutes: 3

Roughing of Aluminum



Recommended Material

★ 1st Recommendation



Lineup

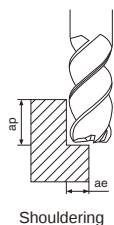
(Unit: mm)

Description	Std.	Outside Dia.	Outside Dia. tolerance	Edge Length	Shank Dia.	Total length	Spec of Corners	Number of Flutes
		øDc		ℓ	øDs	L	C	Z
3AESM060-130-06	●	6	-0.030 -0.105	13	6	57	0.6	3
3AESM080-160-08	●	8	-0.040 -0.130	16	8	63	0.6	3
3AESM100-220-10	●	10	-0.040 -0.130	22	10	72	0.6	3
3AESM120-260-12	●	12	-0.050 -0.160	26	12	83	1	3
3AESM160-320-16	●	16	-0.050 -0.160	32	16	92	1	3
3AESM200-380-20	●	20	-0.065 -0.195	38	20	104	1	3
3AESM250-450-25	●	25	-0.065 -0.195	45	25	121	1	3

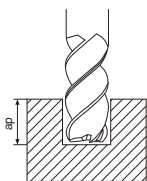
- Three flutes type for roughing of Aluminum / Non-ferrous Metal. With Corner Chamfering.

Recommended Cutting Conditions

Shouldering



Shouldering



Slotting

Workpiece Materials	Depth of Cut (ap×ae) (mm)	Outside Dia. (mm)	ø6	ø8	ø10	ø12	ø16	ø20	ø25
Aluminum Alloy	1.5Dc×0.5Dc	Spindle Revolution (min ⁻¹)	33,200	24,900	19,900	16,600	12,400	10,000	8,000
		Feed Rate (mm/min)	5,370	5,150	5,080	4,980	4,890	4,840	4,780
High-silicon Aluminum	1.5Dc×0.5Dc	Spindle Revolution (min ⁻¹)	10,600	8,000	6,400	5,300	4,000	3,200	2,500
		Feed Rate (mm/min)	1,430	1,390	1,360	1,320	1,300	1,290	1,280

Please refer to page L46 about Slotting.