



● **AUE Series Cutting 3 Flutes Condition(Side Milling) 切削條件表(側銑)**

Work Material 被削材		Aluminum alloy expanding material A7075 Aluminum alloy casting<Si1 13% 鋁合金		Copper 銅	
Max Cutting Speed(V) 最大切削速度(V)		240m/min		87m/min	
TYPE NO.	Diameter 直徑 (mm)	Speed 迴轉數 (min <sup>-1</sup> )	Feed Rate 進給速度 (mm/min)	Speed 迴轉數 (min <sup>-1</sup> )	Feed Rate 進給速度 (mm/min)
AUE0253	2.5	30,000	2,600	11,000	800
AUE0303	3	25,000	2,900	9,250	1,000
AUE0403	4	18,750	3,300	6,950	1,300
AUE0503	5	15,000	3,700	5,550	1,600
AUE0603	6	12,500	4,150	4,650	2,000
AUE0803	8	9,400	3,150	3,500	1,520
AUE1003	10	7,500	2,500	2,800	1,200
AUE1203	12	6,250	2,100	2,300	1,000
AUE1603	16	4,700	1,550	1,750	760
AUE2003	20	3,750	1,250	1,400	600
Depth of cut 切削基準量 (D=直徑Dia)		AP=2.0D AE=0.5D			
		V線速度	235.5	V線速度	87.92
		Z刃數	3	Z刃數	3
		f	0.11	f	0.10

● **AUE Series Cutting 3 Flutes Condition(Slotting) 切削條件表(溝銑)**

Work Material 被削材		Aluminum alloy expanding material A7075 Aluminum alloy casting<Si1 13% 鋁合金		Copper 銅	
Max Cutting Speed(V) 最大切削速度(V)		250m/min		90m/min	
TYPE NO.	Diameter 直徑 (mm)	Speed 迴轉數 (min <sup>-1</sup> )	Feed Rate 進給速度 (mm/min)	Speed 迴轉數 (min <sup>-1</sup> )	Feed Rate 進給速度 (mm/min)
AUE0253	2.5	20,000	1,500	11,800	850
AUE0303	3	18,000	1,800	9,840	990
AUE0403	4	15,000	2,300	7,440	1,100
AUE0503	5	13,000	2,800	5,920	1,200
AUE0603	6	12,000	4,000	4,960	1,350
AUE0803	8	10,000	3,040	3,680	1,050
AUE1003	10	8,000	2,400	2,960	850
AUE1203	12	6,660	2,000	2,480	700
AUE1603	16	5,000	1,300	1,840	500
AUE2003	20	4,000	1,000	1,520	400
Depth of cut 切削基準量 (D=直徑Dia)		AP=1.5D AE=1.0D			
		V線速度	251.2	V線速度	92.944
		Z刃數	3	Z刃數	3
		f	0.10	f	0.14