

切削條件表

X-UXR

MILLING CONDITIONS

被切削材 Work Material		調質鋼/預硬鋼 Prehardened Steels : NAK80 : 1.2083 : AISI420 : M310 (HRC36~45)					
冷卻方式 Coolant Type		濕式切削 Wet coolant					
型號 Type No.	刀具伸長量 Extension Length (mm)	切削速度 Cutting Speed (m/min)	迴轉速度 Speed (min ⁻¹)	進給速度 Feed (mm/min)	加工深度 (A _a) Depth of Cut	加工寬度 (A _p) Width of Cut	加工方式 Milling Type
X-UXR0803	30	210	8500~9000	2200~2600	0.15~0.2	7~8	溝銑 SLOTTING
X-UXR0803	30	210	8500~9000	1400~1800	0.08~0.11	7~8	溝銑 SLOTTING
X-UXR0803	30	210	8500~9000	3000~3400	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR0803	30	210	8500~9000	3200~3600	0.08~0.11	0.08~0.11	3D銑 3D MILLING
X-UXR0803	50	140	5400~5600	1800~2200	0.15~0.2	7~8	溝銑 SLOTTING
X-UXR0803	50	140	5400~5600	700~1100	0.07~0.1	7~8	溝銑 SLOTTING
X-UXR0803	50	140	5400~5600	2600~3000	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR0803	50	140	5400~5600	1400~1800	0.08~0.11	0.08~0.11	3D銑 3D MILLING
X-UXR0803	70	55	1700~2200	400~800	0.07~0.1	7~8	溝銑 SLOTTING
X-UXR0803	70	75	2500~3000	800~1200	0.07~0.1	0.07~0.1	3D銑 3D MILLING
X-UXR0805	30	210	8500~9000	2200~2600	0.15~0.2	6~8	溝銑 SLOTTING
X-UXR0805	30	210	8500~9000	1400~1800	0.08~0.11	6~8	溝銑 SLOTTING
X-UXR0805	30	210	8500~9000	3000~3400	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR0805	30	210	8500~9000	3200~3600	0.08~0.11	0.08~0.11	3D銑 3D MILLING
X-UXR0805	50	140	5400~5600	1800~2200	0.15~0.2	6~8	溝銑 SLOTTING
X-UXR0805	50	140	5400~5600	700~1100	0.07~0.1	6~8	溝銑 SLOTTING
X-UXR0805	50	140	5400~5600	2600~3000	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR0805	50	140	5400~5600	1400~1800	0.08~0.11	0.08~0.11	3D銑 3D MILLING
X-UXR0805	70	55	1700~2200	400~800	0.07~0.1	6~8	溝銑 SLOTTING
X-UXR0805	70	75	2500~3000	800~1200	0.07~0.1	0.07~0.1	3D銑 3D MILLING
X-UXR0810	30	210	8500~9000	2200~2600	0.15~0.2	5~8	溝銑 SLOTTING
X-UXR0810	30	210	8500~9000	1400~1800	0.08~0.11	5~8	溝銑 SLOTTING
X-UXR0810	30	210	8500~9000	3000~3400	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR0810	30	210	8500~9000	3200~3600	0.08~0.11	0.08~0.11	3D銑 3D MILLING
X-UXR0810	50	140	5400~5600	1800~2200	0.15~0.2	5~8	溝銑 SLOTTING
X-UXR0810	50	140	5400~5600	700~1100	0.07~0.1	5~8	溝銑 SLOTTING
X-UXR0810	50	140	5400~5600	2600~3000	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR0810	50	140	5400~5600	1400~1800	0.08~0.11	0.08~0.11	3D銑 3D MILLING
X-UXR0810	70	55	1700~2200	400~800	0.07~0.1	5~8	溝銑 SLOTTING
X-UXR0810	70	75	2500~3000	800~1200	0.07~0.1	0.07~0.1	3D銑 3D MILLING
X-UXR1005	35	220	7000~7500	2000~2400	0.18~0.23	8~10	溝銑-中胚
X-UXR1005	35	220	7000~7500	1400~1800	0.08~0.13	8~10	溝銑-精銑
X-UXR1005	35	220	7000~7500	2800~3200	0.18~0.23	0.18~0.23	3D銑-中胚
X-UXR1005	35	220	7000~7500	3000~3500	0.08~0.13	0.08~0.13	3D銑-精銑
X-UXR1005	55	195	5700~6200	2000~2400	0.18~0.23	8~10	溝銑-中胚
X-UXR1005	55	195	5700~6200	1400~1800	0.08~0.13	8~10	溝銑-精銑
X-UXR1005	55	195	5700~6200	2200~2600	0.18~0.23	0.18~0.23	3D銑-中胚
X-UXR1005	55	195	5700~6200	2200~2600	0.08~0.13	0.08~0.13	3D銑-精銑
X-UXR1005	75	65	1600~2000	600~1000	0.07~0.11	8~10	溝銑 SLOTTING
X-UXR1005	75	100	2700~3200	800~1200	0.07~0.11	0.07~0.11	3D銑 3D MILLING
X-UXR1010	35	220	7000~7500	2000~2400	0.18~0.23	7~10	溝銑 SLOTTING
X-UXR1010	35	220	7000~7500	1400~1800	0.08~0.13	7~10	溝銑 SLOTTING
X-UXR1010	35	220	7000~7500	2800~3200	0.18~0.23	0.18~0.23	3D銑 3D MILLING

被切削材 Work Material		調質鋼/預硬鋼 Prehardened Steels : NAK80 : 1.2083 : AISI420 : M310 (HRC36~45)					
冷卻方式 Coolant Type		濕式切削 Wet coolant					
型號 Type No.	刀具伸長量 Extension Length (mm)	切削速度 Cutting Speed (m/min)	迴轉速度 Speed (min ⁻¹)	進給速度 Feed (mm/min)	加工深度 (A _p) Depth of Cut	加工寬度 (A _p) Width of Cut	加工方式 Milling Type
X-UXR1010	35	220	7000~7500	3000~3500	0.08~0.13	0.08~0.13	3D銑 3D MILLING
X-UXR1010	55	195	5700~6200	2000~2400	0.18~0.23	7~10	溝銑 SLOTTING
X-UXR1010	55	195	5700~6200	1400~1800	0.08~0.13	7~10	溝銑 SLOTTING
X-UXR1010	55	195	5700~6200	2200~2600	0.18~0.23	0.18~0.23	3D銑 3D MILLING
X-UXR1010	55	195	5700~6200	2200~2600	0.08~0.13	0.08~0.13	3D銑 3D MILLING
X-UXR1010	75	65	1600~2000	600~1000	0.07~0.11	7~10	溝銑 SLOTTING
X-UXR1010	75	100	2700~3200	800~1200	0.07~0.11	0.07~0.11	3D銑 3D MILLING
X-UXR1205	40	190	4500~5000	1400~1800	0.15~0.2	10~12	溝銑 SLOTTING
X-UXR1205	40	190	4500~5000	1200~1600	0.1~0.15	10~12	溝銑 SLOTTING
X-UXR1205	40	190	4500~5000	2200~2600	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR1205	40	190	4500~5000	2000~2400	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1205	60	180	4200~4700	1100~1500	0.1~0.15	10~12	溝銑 SLOTTING
X-UXR1205	60	180	4200~4700	1200~1600	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1205	100	90	2000~2400	600~900	0.07~0.1	10~12	溝銑 SLOTTING
X-UXR1205	100	85	1700~2200	800~1200	0.07~0.1	0.07~0.1	3D銑 3D MILLING
X-UXR1210	40	190	4500~5000	1400~1800	0.15~0.2	9~12	溝銑 SLOTTING
X-UXR1210	40	190	4500~5000	1200~1600	0.1~0.15	9~12	溝銑 SLOTTING
X-UXR1210	40	190	4500~5000	2200~2600	0.15~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR1210	40	190	4500~5000	2000~2400	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1210	60	180	4200~4700	1100~1500	0.1~0.15	9~12	溝銑 SLOTTING
X-UXR1210	60	180	4200~4700	1200~1600	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1210	100	90	2000~2400	600~900	0.07~0.1	9~12	溝銑 SLOTTING
X-UXR1210	100	85	1700~2200	800~1200	0.07~0.1	0.07~0.1	3D銑 3D MILLING
X-UXR1605	60	140	2400~2800	700~1100	0.25~0.3	14~16	溝銑 SLOTTING
X-UXR1605	60	200	3500~4000	800~1100	0.13~0.18	14~16	溝銑 SLOTTING
X-UXR1605	60	160	2700~3200	1600~2000	0.25~0.3	0.25~0.3	3D銑 3D MILLING
X-UXR1605	60	215	3700~4200	1400~1800	0.13~0.18	0.13~0.18	3D銑 3D MILLING
X-UXR1605	100	125	2000~2500	700~1000	0.1~0.15	14~16	溝銑 SLOTTING
X-UXR1605	100	120	2000~2400	800~1200	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1605	130	90	1400~1800	400~700	0.1~0.15	14~16	溝銑 SLOTTING
X-UXR1605	130	100	1600~2000	700~1100	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1610	60	140	2400~2800	700~1100	0.25~0.3	13~16	溝銑 SLOTTING
X-UXR1610	60	200	3500~4000	800~1100	0.13~0.18	13~16	溝銑 SLOTTING
X-UXR1610	60	160	2700~3200	1600~2000	0.25~0.3	0.25~0.3	3D銑 3D MILLING
X-UXR1610	60	215	3700~4200	1400~1800	0.13~0.18	0.13~0.18	3D銑 3D MILLING
X-UXR1610	100	125	2000~2500	700~1000	0.1~0.15	13~16	溝銑 SLOTTING
X-UXR1610	100	120	2000~2400	800~1200	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1610	130	90	1400~1800	400~700	0.1~0.15	13~16	溝銑 SLOTTING
X-UXR1610	130	100	1600~2000	700~1100	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1620	60	140	2400~2800	700~1100	0.25~0.3	11~16	溝銑 SLOTTING
X-UXR1620	60	200	3500~4000	800~1100	0.13~0.18	11~16	溝銑 SLOTTING
X-UXR1620	60	160	2700~3200	1600~2000	0.25~0.3	0.25~0.3	3D銑 3D MILLING
X-UXR1620	60	215	3700~4200	1400~1800	0.13~0.18	0.13~0.18	3D銑 3D MILLING

EXCHANGEABLE HEAD ENDMILL II



被切削材 Work Material		調質鋼/預硬鋼 Prehardened Steels : NAK80 : 1.2083 : AISI420 : M310 (HRC36~45)					
冷卻方式 Coolant Type		濕式切削 Wet coolant					
型號 Type No.	刀具伸長量 Extension Length (mm)	切削速度 Cutting Speed (m/min)	迴轉速度 Speed (min ⁻¹)	進給速度 Feed (mm/min)	加工深度 (A _p) Depth of Cut	加工寬度 (A _p) Width of Cut	加工方式 Milling Type
X-UXR1620	100	125	2000~2500	700~1000	0.1~0.15	11~16	溝銑 SLOTTING
X-UXR1620	100	120	2000~2400	800~1200	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1620	130	90	1400~1800	400~700	0.1~0.15	11~16	溝銑 SLOTTING
X-UXR1620	130	100	1600~2000	700~1100	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR2010	70	140	2000~2500	600~900	0.35~0.45	17~20	溝銑 SLOTTING
X-UXR2010	70	190	2800~3300	700~1000	0.1~0.2	17~20	溝銑 SLOTTING
X-UXR2010	70	160	2300~2600	1400~1800	0.28~0.33	0.28~0.33	3D銑 3D MILLING
X-UXR2010	70	210	3100~3600	1400~1800	0.1~0.2	0.2~0.25	3D銑 3D MILLING
X-UXR2010	130	120	1700~2100	600~800	0.1~0.2	17~20	溝銑 SLOTTING
X-UXR2010	130	135	1900~2300	800~1200	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2010	180	90	1300~1600	400~600	0.1~0.2	17~20	溝銑 SLOTTING
X-UXR2010	180	100	1400~1800	700~1000	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2020	70	140	2000~2500	600~900	0.35~0.45	15~20	溝銑 SLOTTING
X-UXR2020	70	190	2800~3300	700~1000	0.1~0.2	15~20	溝銑 SLOTTING
X-UXR2020	70	160	2300~2600	1400~1800	0.28~0.33	0.28~0.33	3D銑 3D MILLING
X-UXR2020	70	210	3100~3600	1400~1800	0.1~0.2	0.2~0.25	3D銑 3D MILLING
X-UXR2020	130	120	1700~2100	600~800	0.1~0.2	15~20	溝銑 SLOTTING
X-UXR2020	130	135	1900~2300	800~1200	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2020	180	90	1300~1600	400~600	0.1~0.2	15~20	溝銑 SLOTTING
X-UXR2020	180	100	1400~1800	700~1000	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2030	70	140	2000~2500	600~900	0.35~0.45	13~20	溝銑 SLOTTING
X-UXR2030	70	190	2800~3300	700~1000	0.1~0.2	13~20	溝銑 SLOTTING
X-UXR2030	70	160	2300~2600	1400~1800	0.28~0.33	0.28~0.33	3D銑 3D MILLING
X-UXR2030	70	210	3100~3600	1400~1800	0.1~0.2	0.2~0.25	3D銑 3D MILLING
X-UXR2030	130	120	1700~2100	600~800	0.1~0.2	13~20	溝銑 SLOTTING
X-UXR2030	130	135	1900~2300	800~1200	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2030	180	90	1300~1600	400~600	0.1~0.2	13~20	溝銑 SLOTTING
X-UXR2030	180	100	1400~1800	700~1000	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2530	80	140	1600~2000	500~800	0.35~0.45	18~25	溝銑 SLOTTING
X-UXR2530	80	190	2200~2600	600~900	0.1~0.2	18~25	溝銑 SLOTTING
X-UXR2530	80	160	1800~2200	1200~1600	0.28~0.33	0.28~0.33	3D銑 3D MILLING
X-UXR2530	80	210	2400~2800	1200~1600	0.1~0.2	0.2~0.25	3D銑 3D MILLING
X-UXR2530	140	120	1300~1700	500~700	0.1~0.2	18~25	溝銑 SLOTTING
X-UXR2530	140	135	1500~1900	700~1100	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2530	200	90	1000~1400	300~500	0.1~0.2	18~25	溝銑 SLOTTING
X-UXR2530	200	100	1100~1500	600~900	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2550	80	140	1600~2000	500~800	0.35~0.45	14~25	溝銑 SLOTTING
X-UXR2550	80	190	2200~2600	600~900	0.1~0.2	14~25	溝銑 SLOTTING
X-UXR2550	80	160	1800~2200	1200~1600	0.28~0.33	0.28~0.33	3D銑 3D MILLING
X-UXR2550	80	210	2400~2800	1200~1600	0.1~0.2	0.2~0.25	3D銑 3D MILLING
X-UXR2550	140	120	1300~1700	500~700	0.1~0.2	14~25	溝銑 SLOTTING
X-UXR2550	140	135	1500~1900	700~1100	0.1~0.2	0.15~0.2	3D銑 3D MILLING
X-UXR2550	200	90	1000~1400	300~500	0.1~0.2	14~25	溝銑 SLOTTING
X-UXR2550	200	100	1100~1500	600~900	0.1~0.2	0.15~0.2	3D銑 3D MILLING

切削條件表

X-UXR

MILLING CONDITIONS

被切削材 Work Material		熱處理鋼 Hardened Steels						加工方式 Milling Type
冷卻方式 Coolant Type		乾式切削 Dry coolant						
型號 Type No.	刀具伸長量 Extension Length (mm)	切削速度 Cutting Speed (m/min)	迴轉速度 Speed (min ⁻¹)	進給速度 Feed (mm/min)	加工深度 (A _s) Depth of Cut	加工寬度 (A _p) Width of Cut		
X-UXR0803	30	150	5500~6500	1200~1600	0.07~0.1	7~8	溝銼 SLOTTING	
X-UXR0803	30	150	5500~6500	2200~2600	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0803	50	125	4500~5000	600~1000	0.06~0.08	7~8	溝銼 SLOTTING	
X-UXR0803	50	125	4500~5000	800~1200	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0803	70	50	1600~2000	400~800	0.06~0.08	7~8	溝銼 SLOTTING	
X-UXR0803	70	75	2500~3000	600~1000	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0805	30	150	5500~6500	1200~1600	0.07~0.1	6~8	溝銼 SLOTTING	
X-UXR0805	30	150	5500~6500	2200~2600	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0805	50	125	4500~5000	600~1000	0.06~0.08	6~8	溝銼 SLOTTING	
X-UXR0805	50	125	4500~5000	800~1200	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0805	70	50	1600~2000	400~800	0.06~0.08	6~8	溝銼 SLOTTING	
X-UXR0805	70	75	2500~3000	600~1000	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0810	30	150	5500~6500	1200~1600	0.07~0.1	5~8	溝銼 SLOTTING	
X-UXR0810	30	150	5500~6500	2200~2600	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0810	50	125	4500~5000	600~1000	0.06~0.08	5~8	溝銼 SLOTTING	
X-UXR0810	50	125	4500~5000	800~1200	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR0810	70	50	1600~2000	400~800	0.06~0.08	5~8	溝銼 SLOTTING	
X-UXR0810	70	75	2500~3000	600~1000	0.07~0.1	0.07~0.1	3D銼 3D MILLING	
X-UXR1005	35	160	5000~5500	1400~1800	0.08~0.12	8~10	溝銼 SLOTTING	
X-UXR1005	35	160	5000~5500	2600~3000	0.08~0.12	0.08~0.12	3D銼 3D MILLING	
X-UXR1005	55	150	4700~5200	1200~1600	0.08~0.12	8~10	溝銼 SLOTTING	
X-UXR1005	55	150	4700~5200	1400~1800	0.08~0.12	0.08~0.12	3D銼 3D MILLING	
X-UXR1005	75	65	1600~2000	400~800	0.07~0.11	8~10	溝銼 SLOTTING	
X-UXR1005	75	90	2400~2800	600~1000	0.07~0.11	0.07~0.11	3D銼 3D MILLING	
X-UXR1010	35	160	5000~5500	1400~1800	0.08~0.12	7~10	溝銼 SLOTTING	
X-UXR1010	35	160	5000~5500	2600~3000	0.08~0.12	0.08~0.12	3D銼 3D MILLING	
X-UXR1010	55	150	4700~5200	1200~1600	0.08~0.12	7~10	溝銼 SLOTTING	
X-UXR1010	55	150	4700~5200	1400~1800	0.08~0.12	0.08~0.12	3D銼 3D MILLING	
X-UXR1010	75	65	1600~2000	400~800	0.07~0.11	7~10	溝銼 SLOTTING	
X-UXR1010	75	90	2400~2800	600~1000	0.07~0.11	0.07~0.11	3D銼 3D MILLING	
X-UXR1205	40	140	3500~4000	1200~1600	0.1~0.13	10~12	溝銼 SLOTTING	
X-UXR1205	40	140	3500~4000	1600~2000	0.1~0.13	0.1~0.13	3D銼 3D MILLING	
X-UXR1205	60	120	2700~3200	800~1200	0.1~0.13	10~12	溝銼 SLOTTING	
X-UXR1205	60	120	2700~3200	1000~1400	0.1~0.13	0.1~0.13	3D銼 3D MILLING	
X-UXR1205	100	90	2000~2400	400~800	0.06~0.08	10~12	溝銼 SLOTTING	
X-UXR1205	100	75	1600~2000	600~1000	0.06~0.08	0.06~0.08	3D銼 3D MILLING	
X-UXR1210	40	130	3000~3400	1200~1600	0.1~0.13	9~12	溝銼 SLOTTING	
X-UXR1210	40	130	3000~3400	1600~2000	0.1~0.13	0.1~0.13	3D銼 3D MILLING	
X-UXR1210	60	120	2700~3200	800~1200	0.1~0.13	9~12	溝銼 SLOTTING	
X-UXR1210	60	120	2700~3200	1000~1400	0.1~0.13	0.1~0.13	3D銼 3D MILLING	
X-UXR1210	100	90	2000~2400	400~800	0.06~0.08	9~12	溝銼 SLOTTING	
X-UXR1210	100	75	1600~2000	600~1000	0.06~0.08	0.06~0.08	3D銼 3D MILLING	
X-UXR1605	60	150	2500~3000	800~1100	0.12~0.16	14~16	溝銼 SLOTTING	
X-UXR1605	60	150	2500~3000	1200~1600	0.12~0.16	0.12~0.16	3D銼 3D MILLING	
X-UXR1605	100	110	1800~2200	600~1000	0.1~0.15	14~16	溝銼 SLOTTING	

EXCHANGEABLE HEAD ENDMILL II



被切削材 Work Material		熱處理鋼 Hardened Steels					
冷卻方式 Coolant Type		乾式切削 Dry coolant					
型號 Type No.	刀具伸長量 Extension Length (mm)	切削速度 Cutting Speed (m/min)	迴轉速度 Speed (min ⁻¹)	進給速度 Feed (mm/min)	加工深度 (A _s) Depth of Cut	加工寬度 (A _p) Width of Cut	加工方式 Milling Type
X-UXR1605	100	110	1800~2200	600~1000	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1605	130	90	1400~1800	400~700	0.08~0.12	14~16	溝銑 SLOTTING
X-UXR1605	130	90	1400~1800	400~700	0.08~0.12	0.08~0.12	3D銑 3D MILLING
X-UXR1610	60	150	2500~3000	800~1100	0.12~0.16	13~16	溝銑 SLOTTING
X-UXR1610	60	150	2500~3000	1200~1600	0.12~0.16	0.12~0.16	3D銑 3D MILLING
X-UXR1610	100	110	1800~2200	600~1000	0.1~0.15	13~16	溝銑 SLOTTING
X-UXR1610	100	110	1800~2200	600~1000	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1610	130	90	1400~1800	400~700	0.08~0.12	13~16	溝銑 SLOTTING
X-UXR1610	130	90	1400~1800	400~700	0.08~0.12	0.08~0.12	3D銑 3D MILLING
X-UXR1620	60	150	2500~3000	800~1100	0.12~0.16	11~16	溝銑 SLOTTING
X-UXR1620	60	150	2500~3000	1200~1600	0.12~0.16	0.12~0.16	3D銑 3D MILLING
X-UXR1620	100	110	1800~2200	600~900	0.1~0.15	11~16	溝銑 SLOTTING
X-UXR1620	100	110	1800~2200	600~1000	0.1~0.15	0.1~0.15	3D銑 3D MILLING
X-UXR1620	130	90	1400~1800	400~600	0.08~0.12	11~16	溝銑 SLOTTING
X-UXR1620	130	90	1400~1800	400~700	0.08~0.12	0.08~0.12	3D銑 3D MILLING
X-UXR2010	70	175	2500~3000	500~700	0.1~0.2	17~20	溝銑 SLOTTING
X-UXR2010	70	175	2500~3000	1200~1600	0.1~0.2	0.17~0.2	3D銑 3D MILLING
X-UXR2010	130	110	1600~2000	400~600	0.1~0.2	17~20	溝銑 SLOTTING
X-UXR2010	130	120	1800~2200	600~1000	0.1~0.2	0.12~0.15	3D銑 3D MILLING
X-UXR2010	180	80	1100~1400	300~500	0.1~0.15	17~20	溝銑 SLOTTING
X-UXR2010	180	90	1300~1600	500~800	0.1~0.15	0.12~0.15	3D銑 3D MILLING
X-UXR2020	70	175	2500~3000	500~700	0.1~0.2	15~20	溝銑 SLOTTING
X-UXR2020	70	175	2500~3000	1200~1600	0.1~0.2	0.17~0.2	3D銑 3D MILLING
X-UXR2020	130	110	1600~2000	400~600	0.1~0.2	15~20	溝銑 SLOTTING
X-UXR2020	130	120	1800~2200	600~1000	0.1~0.2	0.12~0.15	3D銑 3D MILLING
X-UXR2020	180	80	1100~1400	300~500	0.1~0.15	15~20	溝銑 SLOTTING
X-UXR2020	180	90	1300~1600	500~800	0.1~0.15	0.12~0.15	3D銑 3D MILLING
X-UXR2030	70	175	2500~3000	500~700	0.1~0.2	13~20	溝銑 SLOTTING
X-UXR2030	70	175	2500~3000	1200~1600	0.1~0.2	0.17~0.2	3D銑 3D MILLING
X-UXR2030	130	110	1600~2000	400~600	0.1~0.2	13~20	溝銑 SLOTTING
X-UXR2030	130	120	1800~2200	600~1000	0.1~0.2	0.12~0.15	3D銑 3D MILLING
X-UXR2030	180	80	1100~1400	300~500	0.1~0.15	13~20	溝銑 SLOTTING
X-UXR2030	180	90	1300~1600	500~800	0.1~0.15	0.12~0.15	3D銑 3D MILLING
X-UXR2530	80	175	2000~2400	400~600	0.1~0.2	18~25	溝銑 SLOTTING
X-UXR2530	80	175	2000~2400	1100~1500	0.1~0.2	0.17~0.2	3D銑 3D MILLING
X-UXR2530	140	110	1200~1600	300~500	0.1~0.2	18~25	溝銑 SLOTTING
X-UXR2530	140	120	1300~1700	600~900	0.1~0.2	0.12~0.15	3D銑 3D MILLING
X-UXR2530	200	80	800~1200	300~400	0.1~0.15	18~25	溝銑 SLOTTING
X-UXR2530	200	90	1000~1400	400~700	0.1~0.15	0.12~0.15	3D銑 3D MILLING
X-UXR2550	80	175	2000~2400	400~600	0.1~0.2	14~25	溝銑 SLOTTING
X-UXR2550	80	175	2000~2400	1100~1500	0.1~0.2	0.17~0.2	3D銑 3D MILLING
X-UXR2550	140	110	1200~1600	300~500	0.1~0.2	14~25	溝銑 SLOTTING
X-UXR2550	140	120	1300~1700	600~900	0.1~0.2	0.12~0.15	3D銑 3D MILLING
X-UXR2550	200	80	800~1200	300~400	0.1~0.15	14~25	溝銑 SLOTTING
X-UXR2550	200	90	1000~1400	400~700	0.1~0.15	0.12~0.15	3D銑 3D MILLING