

切削條件表

X-AESR

MILLING CONDITIONS

被切削材 Work Material		鋁合金 Aluminum Alloy : 5052 / 6061 / 7075					
冷卻方式 Coolant Type		溼式切削 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 _s) Depth of Cut	加工寬度 (A _p) Width of Cut	加工方式 Milling Type
X-AESR0805	25	250	10000	1600~2000	0.05~0.1	6~8	溝銑 SLOTTING
X-AESR0805	25	225	9000	4000~4500	0~1.5	6~8	溝銑 SLOTTING
X-AESR0805	25	225	9000	2000~2500	6~8	6~8	溝銑 SLOTTING
X-AESR0805	25	250	10000	1600~2000	8	0.05~0.1	側銑 SIDE MILLING
X-AESR0805	25	225	9000	2000~2500	8	6~8	側銑 SIDE MILLING
X-AESR0805	35	225	9000	1400~1800	0.05~0.1	6~8	溝銑 SLOTTING
X-AESR0805	35	200	8000	3500~4000	0~1.5	6~8	溝銑 SLOTTING
X-AESR0805	35	200	8000	2000~2500	4~5	6~8	溝銑 SLOTTING
X-AESR0805	35	225	9000	1400~1800	8	0.05~0.1	側銑 SIDE MILLING
X-AESR0805	35	200	8000	2000~2500	8	4~5	側銑 SIDE MILLING
X-AESR0805	45	200	8000	1300~1700	0.05~0.1	6~8	溝銑 SLOTTING
X-AESR0805	45	175	7000	3000~3500	0~1.5	6~8	溝銑 SLOTTING
X-AESR0805	45	175	7000	1800~2300	3~4	6~8	溝銑 SLOTTING
X-AESR0805	45	200	8000	1300~1700	8	0.05~0.1	側銑 SIDE MILLING
X-AESR0805	45	175	7000	1800~2300	8	3~4	側銑 SIDE MILLING
X-AESR0810	25	250	10000	1600~2000	0.05~0.1	5~8	溝銑 SLOTTING
X-AESR0810	25	225	9000	4000~4500	0~1.5	5~8	溝銑 SLOTTING
X-AESR0810	25	225	9000	2000~2500	6~8	5~8	溝銑 SLOTTING
X-AESR0810	25	250	10000	1600~2000	8	0.05~0.1	側銑 SIDE MILLING
X-AESR0810	25	225	9000	2000~2500	8	6~8	側銑 SIDE MILLING
X-AESR0810	35	225	9000	1400~1800	0.05~0.1	5~8	溝銑 SLOTTING
X-AESR0810	35	200	8000	3000~3500	0~1.5	5~8	溝銑 SLOTTING
X-AESR0810	35	200	8000	2000~2500	4~5	5~8	溝銑 SLOTTING
X-AESR0810	35	225	9000	1400~1800	8	0.05~0.1	側銑 SIDE MILLING
X-AESR0810	35	200	8000	2000~2500	8	4~5	側銑 SIDE MILLING
X-AESR0810	45	200	8000	1300~1700	0.05~0.1	5~8	溝銑 SLOTTING
X-AESR0810	45	175	7000	2500~3000	0~1.5	5~8	溝銑 SLOTTING
X-AESR0810	45	175	7000	1700~2200	3~4	5~8	溝銑 SLOTTING
X-AESR0810	45	200	8000	1300~1700	8	0.05~0.1	側銑 SIDE MILLING
X-AESR0810	45	175	7000	1700~2200	8	3~4	側銑 SIDE MILLING
X-AESR1005	30	315	10000	1600~2000	0.05~0.15	8~10	溝銑 SLOTTING
X-AESR1005	30	280	9000	4000~4500	0~2	8~10	溝銑 SLOTTING
X-AESR1005	30	220	7000	1700~2200	5~6	8~10	溝銑 SLOTTING
X-AESR1005	30	280	9000	1400~1800	10	0.05~0.15	側銑 SIDE MILLING
X-AESR1005	30	220	7000	1700~2200	10	5~6	側銑 SIDE MILLING
X-AESR1005	40	315	10000	1600~2000	0.05~0.15	8~10	溝銑 SLOTTING
X-AESR1005	40	250	8000	3500~4000	0~2	8~10	溝銑 SLOTTING
X-AESR1005	40	190	6000	1700~2200	4~5	8~10	溝銑 SLOTTING
X-AESR1005	40	250	8000	1300~1700	10	0.05~0.15	側銑 SIDE MILLING
X-AESR1005	40	190	6000	1700~2200	10	4~5	側銑 SIDE MILLING
X-AESR1005	50	315	10000	1600~2000	0.05~0.15	8~10	溝銑 SLOTTING
X-AESR1005	50	220	7000	3000~3500	0~2	8~10	溝銑 SLOTTING
X-AESR1005	50	140	4500	1500~2000	3~4	8~10	溝銑 SLOTTING
X-AESR1005	50	220	7000	1200~1600	10	0.05~0.15	側銑 SIDE MILLING
X-AESR1005	50	140	4500	1500~2000	10	3~4	側銑 SIDE MILLING
X-AESR1010	30	315	10000	1600~2000	0.05~0.15	7~10	溝銑 SLOTTING
X-AESR1010	30	280	9000	4000~4500	0~2	7~10	溝銑 SLOTTING
X-AESR1010	30	220	7000	1700~2200	5~6	7~10	溝銑 SLOTTING

被切削材 Work Material		鋁合金 Aluminum Alloy : 5052 / 6061 / 7075					
冷卻方式 Coolant Type		溼式切削 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-AESR1010	30	280	9000	1400~1800	10	0.05~0.15	側銑 SIDE MILLING
X-AESR1010	30	220	7000	1700~2200	10	5~6	側銑 SIDE MILLING
X-AESR1010	40	315	10000	1600~2000	0.05~0.15	7~10	溝銑 SLOTTING
X-AESR1010	40	250	8000	3500~4000	0~2	7~10	溝銑 SLOTTING
X-AESR1010	40	190	6000	1700~2200	4~5	7~10	溝銑 SLOTTING
X-AESR1010	40	250	8000	1300~1700	10	0.05~0.15	側銑 SIDE MILLING
X-AESR1010	40	190	6000	1700~2200	10	4~5	側銑 SIDE MILLING
X-AESR1010	50	315	10000	1600~2000	0.05~0.15	7~10	溝銑 SLOTTING
X-AESR1010	50	220	7000	3000~3500	0~2	7~10	溝銑 SLOTTING
X-AESR1010	50	140	4500	1500~2000	3~4	7~10	溝銑 SLOTTING
X-AESR1010	50	220	7000	1200~1600	10	0.05~0.15	側銑 SIDE MILLING
X-AESR1010	50	140	4500	1500~2000	10	3~4	側銑 SIDE MILLING
X-AESR1205	30	375	10000	1600~2000	0.05~0.15	10~12	溝銑 SLOTTING
X-AESR1205	30	340	9000	4000~4500	0~2	10~12	溝銑 SLOTTING
X-AESR1205	30	300	8000	2200~2600	8~10	10~12	溝銑 SLOTTING
X-AESR1205	30	340	9000	1600~2000	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1205	30	300	8000	2000~2400	12	9~12	側銑 SIDE MILLING
X-AESR1205	40	340	9000	1500~1900	0.05~0.15	10~12	溝銑 SLOTTING
X-AESR1205	40	300	8000	3500~4000	0~2	10~12	溝銑 SLOTTING
X-AESR1205	40	265	7000	2000~2400	6~8	10~12	溝銑 SLOTTING
X-AESR1205	40	340	9000	1500~1900	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1205	40	300	8000	1500~1900	12	8~10	側銑 SIDE MILLING
X-AESR1205	50	300	8000	1300~1700	0.05~0.15	10~12	溝銑 SLOTTING
X-AESR1205	50	225	6000	2500~3000	0~1.5	10~12	溝銑 SLOTTING
X-AESR1205	50	190	5000	1500~1900	3~5	10~12	溝銑 SLOTTING
X-AESR1205	50	300	8000	1300~1700	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1205	50	225	6000	1400~1800	12	4~6	側銑 SIDE MILLING
X-AESR1205	60	265	7000	1200~1600	0.05~0.15	10~12	溝銑 SLOTTING
X-AESR1205	60	190	5000	3000~3500	0~1	10~12	溝銑 SLOTTING
X-AESR1205	60	170	4500	1600~2000	1~1.5	10~12	溝銑 SLOTTING
X-AESR1205	60	265	7000	1200~1600	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1205	60	115	3000	1200~1600	12	0.5~2	側銑 SIDE MILLING
X-AESR1210	30	375	10000	1600~2000	0.05~0.15	9~12	溝銑 SLOTTING
X-AESR1210	30	340	9000	4000~4500	0~2	9~12	溝銑 SLOTTING
X-AESR1210	30	300	8000	2200~2600	8~10	9~12	溝銑 SLOTTING
X-AESR1210	30	340	9000	1600~2000	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1210	30	300	8000	2000~2400	12	9~12	側銑 SIDE MILLING
X-AESR1210	40	340	9000	1500~1900	0.05~0.15	9~12	溝銑 SLOTTING
X-AESR1210	40	300	8000	3500~4000	0~2	9~12	溝銑 SLOTTING
X-AESR1210	40	265	7000	2000~2400	6~8	9~12	溝銑 SLOTTING
X-AESR1210	40	340	9000	1500~1900	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1210	40	300	8000	1500~1900	12	8~10	側銑 SIDE MILLING
X-AESR1210	50	300	8000	1300~1700	0.05~0.15	9~12	溝銑 SLOTTING
X-AESR1210	50	225	6000	2500~3000	0~1.5	9~12	溝銑 SLOTTING
X-AESR1210	50	190	5000	1500~1900	3~5	9~12	溝銑 SLOTTING
X-AESR1210	50	300	8000	1300~1700	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1210	50	225	6000	1400~1800	12	4~6	側銑 SIDE MILLING
X-AESR1210	60	265	7000	1200~1600	0.05~0.15	9~12	溝銑 SLOTTING

EXCHANGEABLE HEAD ENDMILL II



被切削材 Work Material		鋁合金 Aluminum Alloy : 5052 / 6061 / 7075					
冷卻方式 Coolant Type		溼式切削 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 (W _p) Width of Cut	加工方式 Milling Type
X-AESR1210	60	190	5000	3000~3500	0~1	9~12	溝銑 SLOTTING
X-AESR1210	60	170	4500	1600~2000	1~1.5	9~12	溝銑 SLOTTING
X-AESR1210	60	265	7000	1200~1600	12	0.05~0.15	側銑 SIDE MILLING
X-AESR1210	60	115	3000	1200~1600	12	0.5~2	側銑 SIDE MILLING
X-AESR1605	40	375	7500	1600~2000	0.05~0.15	14~16	溝銑 SLOTTING
X-AESR1605	40	350	7000	3500~4000	0~2	14~16	溝銑 SLOTTING
X-AESR1605	40	350	7000	2500~3000	8~10	14~16	溝銑 SLOTTING
X-AESR1605	40	375	7500	1600~2000	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1605	40	350	7000	2500~3000	16	8~10	側銑 SIDE MILLING
X-AESR1605	55	330	6600	1400~1800	0.05~0.15	14~16	溝銑 SLOTTING
X-AESR1605	55	330	6600	3200~3700	0~2	14~16	溝銑 SLOTTING
X-AESR1605	55	330	6600	2500~3000	6~7	14~16	溝銑 SLOTTING
X-AESR1605	55	330	6600	1400~1800	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1605	55	330	6600	2500~3000	16	7~8	側銑 SIDE MILLING
X-AESR1605	75	250	5000	1200~1600	0.05~0.15	14~16	溝銑 SLOTTING
X-AESR1605	75	275	5500	2000~2500	0~2	14~16	溝銑 SLOTTING
X-AESR1605	75	250	5000	1500~2000	3~5	14~16	溝銑 SLOTTING
X-AESR1605	75	250	5000	1200~1600	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1605	75	250	5000	1500~2000	16	3~5	側銑 SIDE MILLING
X-AESR1610	40	375	7500	1600~2000	0.05~0.15	13~16	溝銑 SLOTTING
X-AESR1610	40	350	7000	3500~4000	0~2	13~16	溝銑 SLOTTING
X-AESR1610	40	350	7000	2500~3000	8~10	13~16	溝銑 SLOTTING
X-AESR1610	40	375	7500	1600~2000	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1610	40	350	7000	2500~3000	16	8~10	側銑 SIDE MILLING
X-AESR1610	55	330	6600	1400~1800	0.05~0.15	13~16	溝銑 SLOTTING
X-AESR1610	55	330	6600	3200~3700	0~2	13~16	溝銑 SLOTTING
X-AESR1610	55	330	6600	2500~3000	6~7	13~16	溝銑 SLOTTING
X-AESR1610	55	330	6600	1400~1800	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1610	55	330	6600	2500~3000	16	7~8	側銑 SIDE MILLING
X-AESR1610	75	250	5000	1200~1600	0.05~0.15	13~16	溝銑 SLOTTING
X-AESR1610	75	275	5500	2000~2500	0~2	13~16	溝銑 SLOTTING
X-AESR1610	75	250	5000	1500~2000	3~5	13~16	溝銑 SLOTTING
X-AESR1610	75	250	5000	1200~1600	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1610	75	250	5000	1500~2000	16	3~5	側銑 SIDE MILLING
X-AESR1630	40	375	7500	1600~2000	0.05~0.15	9~16	溝銑 SLOTTING
X-AESR1630	40	350	7000	3000~3500	0~2	9~16	溝銑 SLOTTING
X-AESR1630	40	350	7000	2000~2500	8~10	9~16	溝銑 SLOTTING
X-AESR1630	40	375	7500	1600~2000	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1630	40	350	7000	2000~2500	16	8~10	側銑 SIDE MILLING
X-AESR1630	55	330	6600	1400~1800	0.05~0.15	9~16	溝銑 SLOTTING
X-AESR1630	55	330	6600	2500~3000	0~2	9~16	溝銑 SLOTTING
X-AESR1630	55	330	6600	1800~2300	6~7	9~16	溝銑 SLOTTING
X-AESR1630	55	330	6600	1400~1800	16	0.05~0.15	側銑 SIDE MILLING
X-AESR1630	55	330	6600	1800~2300	16	7~8	側銑 SIDE MILLING
X-AESR1630	75	250	5000	1200~1600	0.05~0.15	9~16	溝銑 SLOTTING
X-AESR1630	75	275	5500	1600~2000	0~2	9~16	溝銑 SLOTTING
X-AESR1630	75	250	5000	1200~1600	3~5	9~16	溝銑 SLOTTING
X-AESR1630	75	250	5000	1200~1600	16	0.05~0.15	側銑 SIDE MILLING

被切削材 Work Material		鋁合金 Aluminum Alloy : 5052 / 6061 / 7075					
冷卻方式 Coolant Type		溼式切削 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 (Aa) Depth of Cut	加工寬度 (Ap) Width of Cut	加工方式 Milling Type
X-AESR1630	75	250	5000	1200~1600	16	3~5	側銑 SIDE MILLING
X-AESR2005	50	375	6000	1300~1700	0.05~0.15	18~20	溝銑 SLOTTING
X-AESR2005	50	375	6000	2400~2800	0~2	18~20	溝銑 SLOTTING
X-AESR2005	50	375	6000	1400~1800	6~7	18~20	溝銑 SLOTTING
X-AESR2005	50	375	6000	1200~1600	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2005	50	345	5500	1400~1800	20	6~7	側銑 SIDE MILLING
X-AESR2005	70	315	5000	1200~1600	0.05~0.15	18~20	溝銑 SLOTTING
X-AESR2005	70	315	5000	2000~2400	0~2	18~20	溝銑 SLOTTING
X-AESR2005	70	280	4500	1200~1600	4~5	18~20	溝銑 SLOTTING
X-AESR2005	70	315	5000	1100~1500	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2005	70	280	4500	1200~1600	20	4~5	側銑 SIDE MILLING
X-AESR2005	90	240	3800	1000~1300	0.05~0.15	18~20	溝銑 SLOTTING
X-AESR2005	90	240	3800	1600~2000	0~2	18~20	溝銑 SLOTTING
X-AESR2005	90	190	3000	1000~1400	3~4	18~20	溝銑 SLOTTING
X-AESR2005	90	240	3800	1000~1300	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2005	90	190	3000	1000~1400	20	3~4	側銑 SIDE MILLING
X-AESR2010	50	375	6000	1300~1700	0.05~0.15	16~20	溝銑 SLOTTING
X-AESR2010	50	375	6000	2400~2800	0~2	16~20	溝銑 SLOTTING
X-AESR2010	50	375	6000	1400~1800	6~7	16~20	溝銑 SLOTTING
X-AESR2010	50	375	6000	1200~1600	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2010	50	345	5500	1400~1800	20	6~7	側銑 SIDE MILLING
X-AESR2010	70	315	5000	1200~1600	0.05~0.15	16~20	溝銑 SLOTTING
X-AESR2010	70	315	5000	2000~2400	0~2	16~20	溝銑 SLOTTING
X-AESR2010	70	280	4500	1200~1600	4~5	16~20	溝銑 SLOTTING
X-AESR2010	70	315	5000	1100~1500	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2010	70	280	4500	1200~1600	20	4~5	側銑 SIDE MILLING
X-AESR2010	90	240	3800	1000~1300	0.05~0.15	16~20	溝銑 SLOTTING
X-AESR2010	90	240	3800	1600~2000	0~2	16~20	溝銑 SLOTTING
X-AESR2010	90	190	3000	1000~1400	3~4	16~20	溝銑 SLOTTING
X-AESR2010	90	240	3800	1000~1300	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2010	90	190	3000	1000~1400	20	3~4	側銑 SIDE MILLING
X-AESR2030	50	375	6000	1300~1700	0.05~0.15	12~20	溝銑 SLOTTING
X-AESR2030	50	375	6000	2000~2400	0~2	12~20	溝銑 SLOTTING
X-AESR2030	50	375	6000	1200~1600	6~7	12~20	溝銑 SLOTTING
X-AESR2030	50	375	6000	1200~1600	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2030	50	345	5500	1200~1600	20	6~7	側銑 SIDE MILLING
X-AESR2030	70	315	5000	1200~1600	0.05~0.15	12~20	溝銑 SLOTTING
X-AESR2030	70	315	5000	1600~2000	0~2	12~20	溝銑 SLOTTING
X-AESR2030	70	280	4500	1000~1400	4~5	12~20	溝銑 SLOTTING
X-AESR2030	70	315	5000	1100~1500	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2030	70	280	4500	1000~1400	20	4~5	側銑 SIDE MILLING
X-AESR2030	90	240	3800	1000~1300	0.05~0.15	12~20	溝銑 SLOTTING
X-AESR2030	90	240	3800	1200~1600	0~2	12~20	溝銑 SLOTTING
X-AESR2030	90	190	3000	800~1200	3~4	12~20	溝銑 SLOTTING
X-AESR2030	90	240	3800	1000~1300	20	0.05~0.15	側銑 SIDE MILLING
X-AESR2030	90	190	3000	800~1200	20	3~4	側銑 SIDE MILLING
X-AESR2530	60	390	5000	1200~1500	0.05~0.15	16~25	溝銑 SLOTTING
X-AESR2530	60	390	5000	1600~2000	0~2	16~25	溝銑 SLOTTING

EXCHANGEABLE HEAD ENDMILL II



被切削材 Work Material		鋁合金 Aluminum Alloy : 5052 / 6061 / 7075					
冷卻方式 Coolant Type		溼式切削 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-AESR2530	60	355	4500	1000~1400	6~7	16~25	溝銑 SLOTTING
X-AESR2530	60	355	4500	1100~1400	25	0.05~0.15	側銑 SIDE MILLING
X-AESR2530	60	315	4000	1000~1400	25	6~7	側銑 SIDE MILLING
X-AESR2530	80	315	4000	1000~1300	0.05~0.15	16~25	溝銑 SLOTTING
X-AESR2530	80	315	4000	1400~1800	0~2	16~25	溝銑 SLOTTING
X-AESR2530	80	275	3500	900~1300	4~5	16~25	溝銑 SLOTTING
X-AESR2530	80	315	4000	1000~1300	25	0.05~0.15	側銑 SIDE MILLING
X-AESR2530	80	235	3000	900~1300	25	4~5	側銑 SIDE MILLING
X-AESR2530	100	210	2700	800~1000	0.05~0.15	16~25	溝銑 SLOTTING
X-AESR2530	100	210	2700	1200~1600	0~1	16~25	溝銑 SLOTTING
X-AESR2530	100	190	2400	800~1100	2~3	16~25	溝銑 SLOTTING
X-AESR2530	100	210	2700	700~1000	25	0.05~0.15	側銑 SIDE MILLING
X-AESR2530	100	190	2400	800~1100	25	2~3	側銑 SIDE MILLING
X-AESR3230	70	360	3600	900~1200	0.05~0.2	24~32	溝銑 SLOTTING
X-AESR3230	70	360	3600	1300~1700	0~2	24~32	溝銑 SLOTTING
X-AESR3230	70	280	2800	700~1000	5~6	24~32	溝銑 SLOTTING
X-AESR3230	70	360	3600	700~1000	32	0.05~0.2	側銑 SIDE MILLING
X-AESR3230	70	280	2800	700~1000	32	5~6	側銑 SIDE MILLING
X-AESR3230	100	280	2800	800~1000	0.05~0.2	24~32	溝銑 SLOTTING
X-AESR3230	100	280	2800	1000~1400	0~2	24~32	溝銑 SLOTTING
X-AESR3230	100	250	2500	500~800	4~5	24~32	溝銑 SLOTTING
X-AESR3230	100	280	2800	500~800	32	0.05~0.2	側銑 SIDE MILLING
X-AESR3230	100	250	2500	500~800	32	4~5	側銑 SIDE MILLING
X-AESR3230	140	200	2000	600~800	0.05~0.2	24~32	溝銑 SLOTTING
X-AESR3230	140	200	2000	800~1200	0~1	24~32	溝銑 SLOTTING
X-AESR3230	140	180	1800	400~700	2~3	24~32	溝銑 SLOTTING
X-AESR3230	140	200	2000	400~600	32	0.05~0.2	側銑 SIDE MILLING
X-AESR3230	140	180	1800	400~700	32	2~3	側銑 SIDE MILLING
X-AESR3250	70	360	3600	900~1200	0.05~0.2	20~32	溝銑 SLOTTING
X-AESR3250	70	360	3600	1300~1700	0~2	20~32	溝銑 SLOTTING
X-AESR3250	70	280	2800	700~1000	5~6	20~32	溝銑 SLOTTING
X-AESR3250	70	360	3600	700~1000	32	0.05~0.2	側銑 SIDE MILLING
X-AESR3250	70	280	2800	700~1000	32	5~6	側銑 SIDE MILLING
X-AESR3250	100	280	2800	800~1000	0.05~0.2	20~32	溝銑 SLOTTING
X-AESR3250	100	280	2800	1000~1400	0~2	20~32	溝銑 SLOTTING
X-AESR3250	100	250	2500	500~800	4~5	20~32	溝銑 SLOTTING
X-AESR3250	100	280	2800	500~800	32	0.05~0.2	側銑 SIDE MILLING
X-AESR3250	100	250	2500	500~800	32	4~5	側銑 SIDE MILLING
X-AESR3250	140	200	2000	600~800	0.05~0.2	20~32	溝銑 SLOTTING
X-AESR3250	140	200	2000	800~1200	0~1	20~32	溝銑 SLOTTING
X-AESR3250	140	180	1800	400~700	2~3	20~32	溝銑 SLOTTING
X-AESR3250	140	200	2000	400~600	32	0.05~0.2	側銑 SIDE MILLING
X-AESR3250	140	180	1800	400~700	32	2~3	側銑 SIDE MILLING

