



- Thread Mill for Aluminum, Aluminum alloy, non-ferrous and non-metallic materials.
- 4ETMA tool performs both drilling, threading and chamfering in one tool operation.
- Pre-drilled holes are no longer necessary.
- While drilling and thread milling are performed simultaneously, the chamfer is threaded finish.
- This multifunctional tool can be used with all blind holes and through holes.
- For shank diameters 8, 10, 12mm tools are recommended for internal grade type.
- All tools are left-handed, thread mills capable of right-handed rotation and left-handed rotation.
- We do not recommend using a ER Chuck.

4ETM

Cutting Condition

Material	Alloy Steel/ Tool Steel		Hardened Steels		Aluminum		Stainless Steel	
	~ 30HRC		35 ~ 45HRC					
Hardness								
TAP	V/C	FZ	V/C	FZ	V/C	FZ	V/C	FZ
M3	50 ~ 70	0.01 ~ 0.02	45 ~ 55	0.005 ~ 0.01	100 ~ 130	0.03 ~ 0.04	70 ~ 80	0.015 ~ 0.025
M4	50 ~ 70	0.01 ~ 0.02	45 ~ 55	0.005 ~ 0.01	100 ~ 130	0.03 ~ 0.04	70 ~ 80	0.015 ~ 0.025
M5	50 ~ 70	0.01 ~ 0.02	45 ~ 55	0.005 ~ 0.01	100 ~ 130	0.03 ~ 0.04	70 ~ 80	0.015 ~ 0.025
M6	50 ~ 70	0.02 ~ 0.03	45 ~ 55	0.01 ~ 0.015	100 ~ 130	0.04 ~ 0.05	70 ~ 80	0.025 ~ 0.035
M8	50 ~ 70	0.02 ~ 0.03	45 ~ 55	0.01 ~ 0.015	100 ~ 130	0.04 ~ 0.05	70 ~ 80	0.03 ~ 0.04
M10	50 ~ 70	0.02 ~ 0.03	45 ~ 55	0.015 ~ 0.02	100 ~ 130	0.05 ~ 0.06	70 ~ 80	0.03 ~ 0.04
M12	50 ~ 70	0.03 ~ 0.04	45 ~ 55	0.02 ~ 0.025	100 ~ 130	0.06 ~ 0.07	70 ~ 80	0.03 ~ 0.04
M16	50 ~ 70	0.03 ~ 0.04	45 ~ 55	0.02 ~ 0.025	100 ~ 130	0.06 ~ 0.07	70 ~ 80	0.04 ~ 0.05