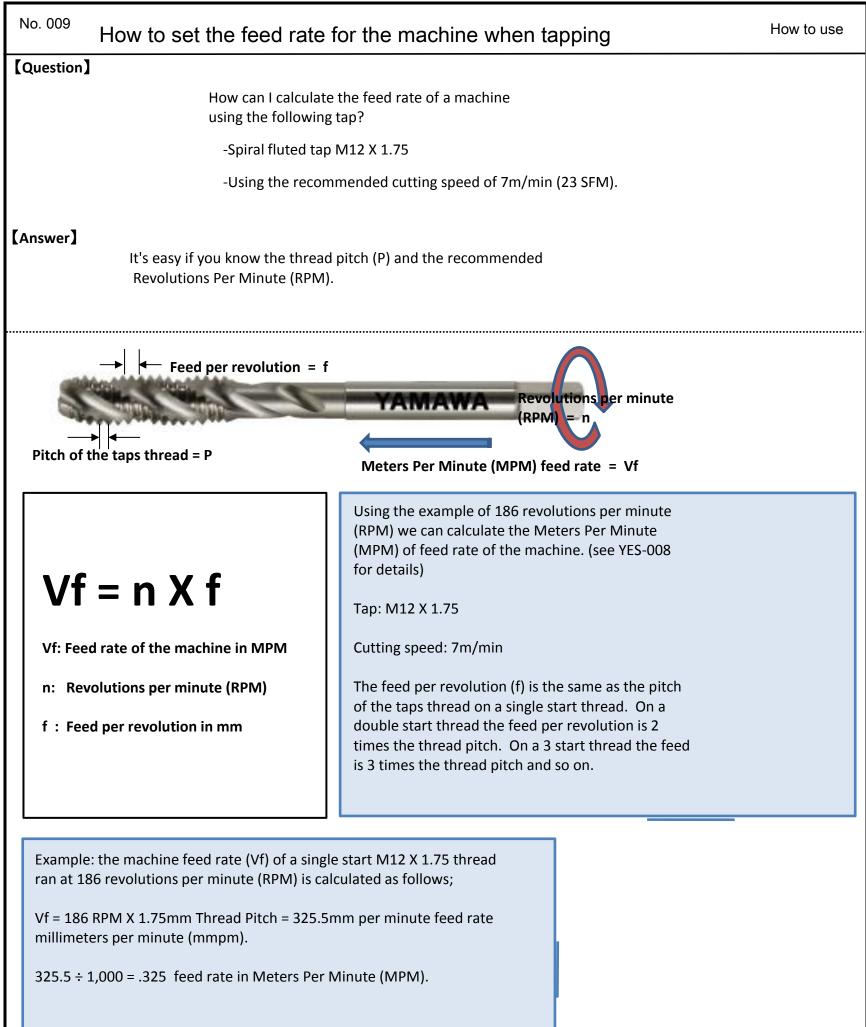
Bag full of wisdom when you are in trouble



Think threads with

		Think threads with YAMAWA
YES-009	Bag full of wisdom when you are in trouble	How to use
	Vhen calculating a metric screw thread, the thread pitch measurement is taken rom a point of the thread to the same point of the next adjacent thread.	
th th	Vhen calculating Unified inch screw threads, Whitworth screw threads or pipe hreads the measurement of the thread pitch is measured by dividing 1.000" by he threads per inch (TPI). This calculation will yield the distance from a point on thread to the same point on the next adjacent thread in inches.	
E:	xample: 1/2"-13UNC Pitch size = 1.000" ÷ 13 TPI (P) = 0.0769" or 1.954mm.	
D	Diameter conversion = 1/2" ÷ 1mm (.03937) = 12.7mm Diameter	
R	ecommended cutting speed in meters per minute (Vc) =7 m/min	
	Machine spindle speed in RPM (n) = (1000 X 7MPM) \div (3.14 X 12.7mm) = 175 evolutions per minute (RPM) $\boxed{n = \frac{1.000 * Vc}{\pi * Dc}}$	
	he feed rate of the machine for a 1/2"-13 TPI tap = 1.954mm X 175 RPM =	
3/	41.95mm per minute = .342 Meters Per Minute feed rate.	