

## LS-PM-SP Long Shank Spiral Fluted Taps for Hard-to-Machine Materials

Size	Stock	Code	Chamfer	Class	L (mm)	ℓ (mm)	ℓ <sub>n</sub> (mm)	D <sub>s</sub> (mm)	K (mm)	ℓ <sub>k</sub> (mm)	Flute	Type
M10×1.5	△	-	3P	P3	150	23	-	7	5.5	8	3	e
	△*	-				24						
M12×1.75	△	-	3P	P3	150	26	-	8.5	6.5	9	3	e
	△*	-				29						
M16×2	△	-	3P	P4	150	26	-	12.5	10	13	3	e
	△*	-				32						
M20×2.5	△	-	3P	P4	150	33	-	15	12	15	3	e
	△*	-				37						

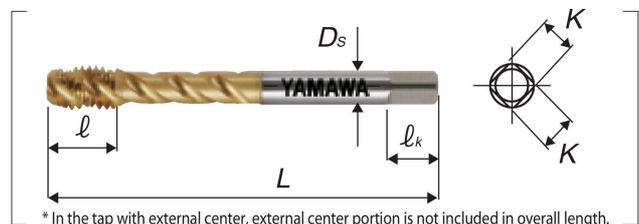
The products having \*mark in the stock column will be available as long as they last.

# F-SP

## Spiral Fluted Taps for High Speed Tapping



Segment : 1C



\* In the tap with external center, external center portion is not included in overall length.

Applicable for such high speed tapping as 20m/min to 30m/min. Under low or middle tapping speed, such as lower than 15m/min, poor chip shape and poor chip ejection may cause tapping troubles.

Size	Stock	Code	Chamfer	Class	L (mm)	ℓ (mm)	ℓ <sub>n</sub> (mm)	D <sub>s</sub> (mm)	K (mm)	ℓ <sub>k</sub> (mm)	Flute	Type
<b>For Metric Threads</b>												
M3×0.5	○	VFSHMQ3.0G	2.5P	P2	46	5	14	4	3.2	6	3	d
	○*	VFSHQ3.0G					18					c
M4×0.7	○	VFSHMQ4.0I	2.5P	P2	52	7	17	5	4	7	3	d
	○*	VFSHQ4.0I					20					c
M5×0.8	○	VFSHMQ5.0K	2.5P	P2	60	9	22	5.5	4.5	7	3	d
	○*	VFSHQ5.0K					25					c
M6×1	○	VFSHMQ6.0M	2.5P	P2	62	11	26	6	4.5	7	3	d
	○*	VFSHQ6.0M					28					c
M8×1.25	○	VFSHMR8.0N	2.5P	P3	70	12	-	6.2	5	8	3	e-1
	○*	VFSHR8.0N										e
M10×1.5	○	VFSHMR010O	2.5P	P3	75	13	-	7	5.5	8	3	e-1
	○*	VFSHR010O										e
M10×1.25	○	VFSHMR010N	2.5P	P3	75	13	-	7	5.5	8	3	e-1
	○*	VFSHR010N				12						e
M12×1.75	○	VFSHMS012P	2.5P	P4	82	15	-	8.5	6.5	9	3	e-1
	○*	VFSHS012P										e
M12×1.5	○	VFSHMR012O	2.5P	P3	82	15	-	8.5	6.5	9	3	e-1
	○*	VFSHR012O				14						e
M12×1.25	○	VFSHMS012N	2.5P	P4	82	15	-	8.5	6.5	9	3	e-1
	○*	VFSHS012N				14						e
M16×2	△	-	2.5P	P4	95	18	-	12.5	10	13	3	e-1

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