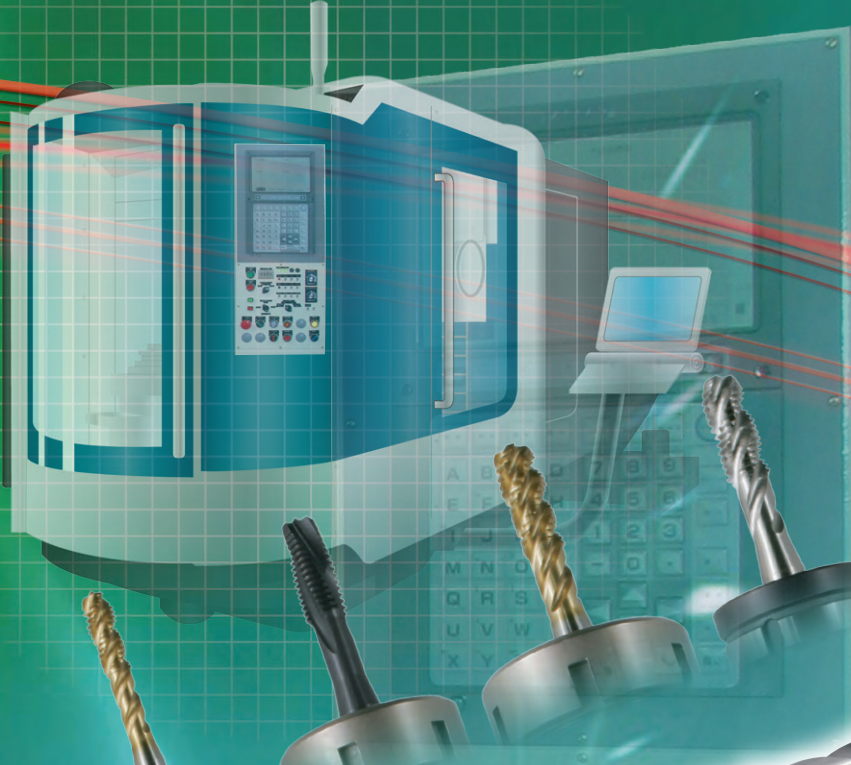


XSERIES



XSP

AUXSP

SUXSP

XSL

AUXSL

SUXSL



Xseries maximizes the performance of high precision tapping machines and toolings.

# XSERIES

XSP / XSL / AUXSP / AUXSL / SUXSP / SUXSL

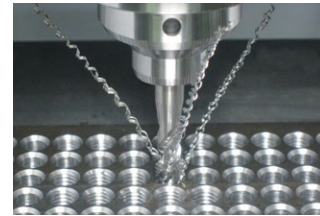
High rigidity Xseries taps

Think threads with  
**YAMAWA**

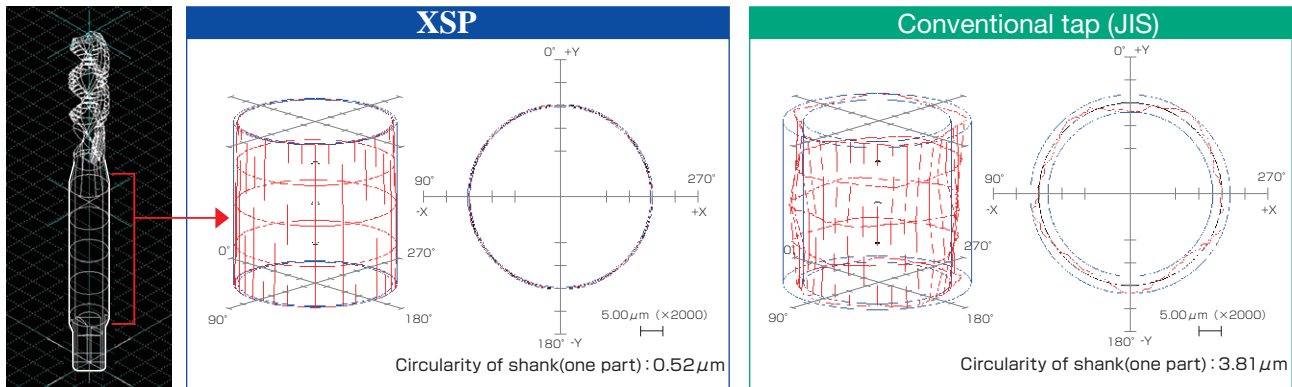


## X SERIES Features

- High level and high rigidity for next generation taps:  
X series enables high level machining centers and high precision toolings to perform at the maximum.
- Fully new design for shape of Tap and threads to be the most suitable for tapping.
- Furthermore, by improving tap's run-out accuracy and circularity of shank, X series has realized the stable and high quality tapping even by high speed tapping.



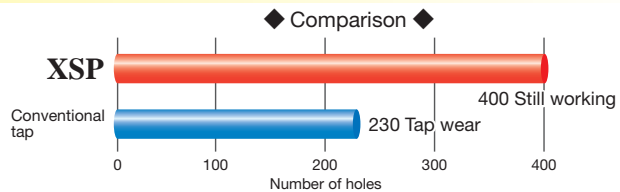
## Circularity of shank Stable tapping



## Tool life Long tool life

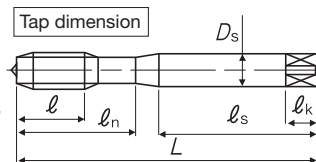
**XSP** tapping condition : Tap XSP M10×1.5

Material	S50C 16HRC
Cutting speed	15m/min
Hole diameter	φ8.5mm
Tapping length	Blind hole 20mm long
Machine	Machining center vertical type (Synchronous feed)
Oil	Water soluble oil



## Dimension

**XSP / XSL**  
**AUXSP / AUXSL**  
**SUXSP / SUXSL**



Nominal size	Overall length <i>L</i>	Thread length <i>l</i>	Neck length <i>l<sub>n</sub></i>	Shank length ※ ( <i>l<sub>s</sub></i> )	Shank diameter <i>D<sub>s</sub></i>	Width of square <i>K</i>	Square length <i>l<sub>k</sub></i>
M6 ×1	80	15	30	(45)	6	4.9	8
M8 ×1.25	90	19	35	(48)	8	6.2	9
M8 ×1	90	15	35	(48)	8	6.2	9
M10 ×1.5	100	23	40	(53)	10	8.0	11
M10 ×1.25	100	19	39	(53)	10	8.0	11
M10 ×1	100	15	39	(53)	10	8.0	11
M12 ×1.75	110	26	45	(56)	12	9.0	12
M12 ×1.5	110	23	45	(56)	12	9.0	12
M12 ×1.25	110	19	45	(56)	12	9.0	12

## Code

Nominal size	Code					
	XSP	XSL	AUXSP	AUXSL	SUXSP	SUXSL
M6 ×1	SNXQ6.0M	SNXQ6.0ML	VSAXQ6.0M	VSAXQ6.0ML	SUXQ6.0M	SUXQ6.0ML
M8 ×1.25	SNXR8.0N	SNXR8.0NL	VSAXR8.0N	VSAXR8.0NL	SUXR8.0N	SUXR8.0NL
M8 ×1	SNXR8.0M	SNXR8.0ML	VSAXR8.0M	VSAXR8.0ML	SUXR8.0M	SUXR8.0ML
M10 ×1.5	SNXR010O	SNXR010OL	VSAXR010O	VSAXR010OL	SUXR010O	SUXR010OL
M10 ×1.25	SNXR010N	SNXR010NL	VSAXR010N	VSAXR010NL	SUXR010N	SUXR010NL
M10 ×1	SNXR010M	SNXR010ML	VSAXR010M	VSAXR010ML	SUXR010M	SUXR010ML
M12 ×1.75	SNXR012P	SNXS012PL	VSAXR012P	VSAXS012PL	SUXS012P	SUXS012PL
M12 ×1.5	SNXR012O	SNXR012OL	VSAXR012O	VSAXR012OL	SUXR012O	SUXS012OL
M12 ×1.25	SNXR012N	SNXR012NL	VSAXR012N	VSAXR012NL	SUXR012N	SUXS012NL

Please use DIN371 standard collet chuck for M6, M8 & M10, and DIN376 standard collet chuck for M12.

## Warning

- ◆ Tools may shatter if broken. The wearing of eye protection is strongly advised in the vicinity of their use.
- ◆ The correct using conditions and handling of our tools are essential in securing maximum useful tool life and hazard free operation.
- ◆ The wearing of gloves is forbidden as the gloves may entangle with turning tools.
- ◆ Tools may hurt the user's feet when falling off. The safety shoes should be put on at all time.
- ◆ While fitting the tools to machine spindles and/or sleeves, care should be taken to avoid subjecting them to shock or impact.
- ◆ Check that the workpieces are properly seated and securely held in the chuck before switching on machine power.
- ◆ Do not use a tool whose cutting edges are worn-out or chipped severely.
- ◆ Tools may generate extreme heat during use. Fire protection is strongly recommended.

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YAMAWA group for Overseas

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