

IHT ISP IPO

New Tap series specifically designed for manual tapping
and for drilling machine tapping.

I Series IHT ISP IPO



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Machine Tools International

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Features of I series

- Designed specifically for simple tapping operations such as manual tapping and drilling machine tapping.
- Surface treated (oxidization). Treatment most suitable for tapping SPC and soft steel.
- Recommendable for smaller quantity tapping such as tapping of test pieces.

material	SRC	SS400	low carbon steel	high carbon steel	alloy steel
suitable	◎	◎	◎	○	△

Area of application

Basic concept of new products system for steels

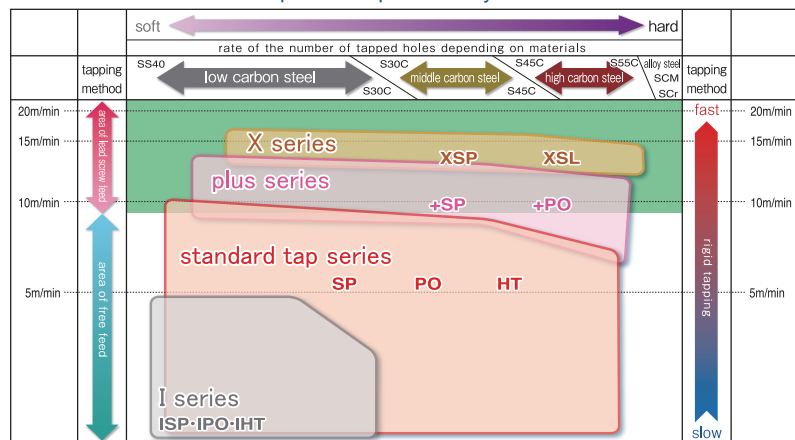
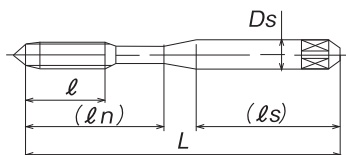


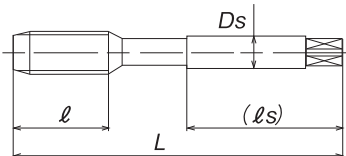
chart of application area

Table of dimensions and sizes

[M3~M6]



[M8~M10]



ISP

size	overall length	thread length	neck length	shank diameter	s(ref.)	code
M3X0.5	46	9	14	4	26	SI73.0G
M4X0.7	52	11	17	5	40	SI74.0I
M5X0.8	60	13	22	5.5	33	SI75.0K
M6X1	62	15	26	6	33	SI76.0M
M8X1.25	70	19	34	6.2	36	SI78.0N
M10X1.5	75	23	37	7	38	SI70100

IHT

size	overall length	thread length	neck length	shank diameter	s(ref.)	code
M3X0.5	46	9	14	4	26	HI73.0G ()
M4X0.7	52	11	17	5	40	HI74.0I ()
M5X0.8	60	13	22	5.5	33	HI75.0K ()
M6X1	62	15	26	6	33	HI76.0M ()
M8X1.25	70	19	34	6.2	36	HI78.0N ()
M10X1.5	75	23	37	7	38	HI70100 ()

(ref.)=M2.6 and smaller 5P=5, 1.5P=1

M3 and larger

5P=5, 2P=2

IPO

size	overall length	thread length	neck length	shank diameter	s(ref.)	code
M3X0.5	46	9	14	4	26	PI73.0G
M4X0.7	52	11	17	5	40	PI74.0I
M5X0.8	60	13	22	5.5	33	PI75.0K
M6X1	62	15	26	6	33	PI76.0M
M8X1.25	70	19	34	6.2	36	PI78.0N
M10X1.5	75	23	37	7	38	PI70100

Tapping operation



Manual tapping by using tap wrench



Tapping with drilling machine

Products related to I series

Shank adjuster By one touch, attaching and detaching to I series tap (IHT/ISP/IPO) become possible.

M3~M6



size	L	D	Ds	ℓ	ℓ ₁	k	ℓ _k	code
M3-150	150	11	4	127	45	3.2	6	SA3.0M
M4-150	150	12	5	122	45	4	7	SA4.0M
M5-150	150	12.5	5.5	114	45	4.5	7	SA5.0M
M6-150	150	13	6	115	45	4.5	7	SA6.0M

M8,M10



(unit:mm)

size	L	D	Ds	ℓ	ℓ ₁	k	ℓ _k	code
M8-150	150	13	6.2	108	45	5	8	SA8.0M
M10-150	150	14	7	103	45	5.5	8	SA10.0M

Warning

- Tools may shatter. Wear cover or eye glasses to avoid injury during tapping.
- Tools may be shatter. Use tools under the proper tapping condition.
- Never wear gloves during turning operations as the gloves may get caught with the tools.
- Wear safety shoes to avoid injuring yourself by the falling tools.
- On attaching tools to the machine, fasten firmly to avoid chattering and run-out.
- Fasten the workpieces firmly so that they never move during operation. Never use worn tools or damaged tools with chipping.
- Take a special care to fire trouble. High temperature during machining may cause fire.

Please note that specification may change without advance notice.