



A-TAP SERIES

A-SFT A-OIL-SFT

Finally, the answer you've been looking for is here.



Stability never seen before. Achieved by the new A-TAP Series !

A

OSG's new premium brand "A-TAP Series"

The answer for your troubles lies here



Most of tapping troubles are caused by unstable chip evacuation.

A-TAP Series resolve such troubles and apply to a wide range of work materials and cutting speed.

Tapping Troubles	
N°1 Breakage and chipping	26 %
N°2 dimensional error	17 %
N°3 Galling	14 %
Others	43 %



The A-TAP can go this far !

Stabilize chip shape
Sharp cutting edge

Accelerate chip evacuation
Variable lead flute (PAT.)

Even to mild steel and stainless steel

1- Applies to a wide variety of work materials

No galling



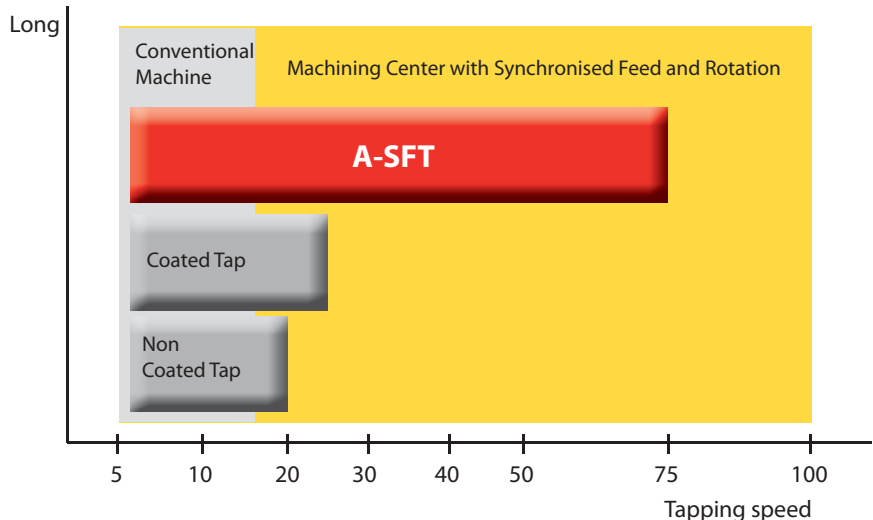
Work Material
Mild steel



Work Material
Stainless steel

High performance in machining center

2- Applies to a wide cutting range



High wear resistance
V coating

High wear resistance
Powder Metallurgy HSS (CPM)

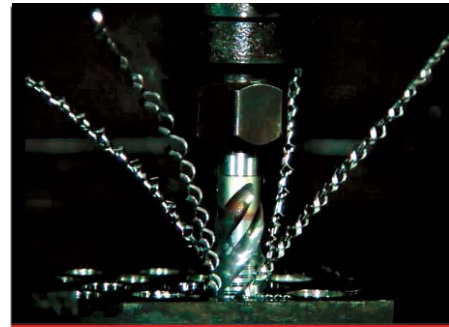
- It is a image of tapping in medium and high carbon steel with water soluble coolant.
- Machining center with synchronized feed and rotation is recommended for more than 15m/min.
- As the best speed varies by tapping condition, please find it by trials.

The biggest advantage of A-TAP Series

The Best chip evacuation



Conventional Tap



A-SFT

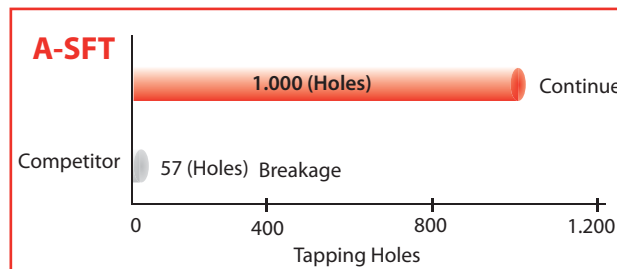
The A-TAP can go this far !

■ SUS304

Deep Hole Tapping (2D) in stainless steel

High performance achieved in stainless steel with water soluble oil

Tool	A-SFT M8x1,25
Work Material	SUS304
Hole Size	Ø6,8x22mm (Blind)
Tapping Length	16mm (2D)
Tapping Speed	10m/min (398min ⁻¹)
Coolant	Water Soluble Chlorine-Free (10%)
Machine	Vertical Synchronized Machining Center



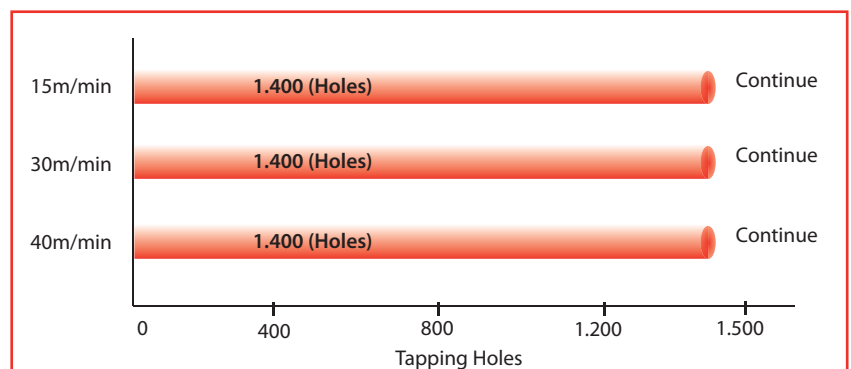
■ Cutting edge after 1.000 holes Tapping

■ S45C

High speed tapping by machining center

Tapping operation in 15,30,40m/min are all stable

Tool	A-SFT M6x1
Work Material	S45C
Hole Size	Ø5x16mm (Blind)
Tapping Length	12mm (2D)
Coolant	Water Soluble Chlorine-Free (10%)
Machine	Vertical Synchronized Machining Center



■ Cutting edge after 1.400 holes Tapping



15m/min

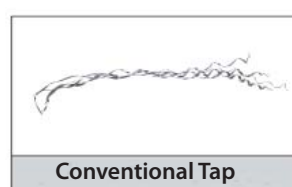


30m/min

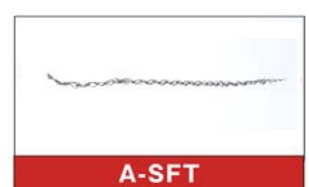


40m/min

■ Chip generated in 40m/min

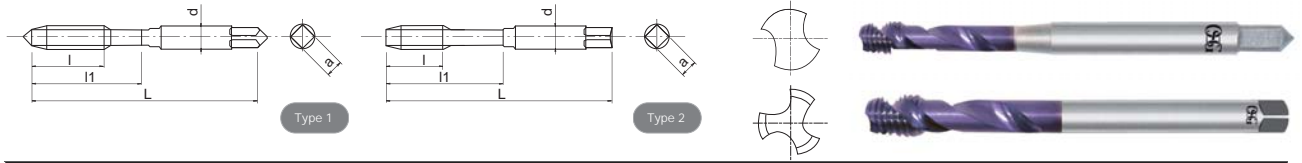


Conventional Tap

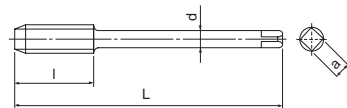


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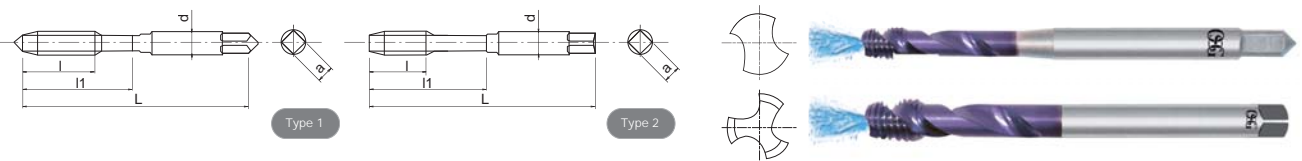


EDP	M	P	L	l1	d	a	ZΔ	Type	Stock	Price
48139138	3	0,5	56	18	3,5	2,7	2	2	●	
48139144	4	0,7	63	21	4,5	3,4	2	2	●	
48139149	5	0,8	70	25	6	4,9	2	2	●	
48139155	6	1	80	30	6	4,9	2	2	●	
48139161	8	1,25	90	35	8	6,2	3	2	●	
48139169	10	1,5	100	39	10	8	3	2	●	

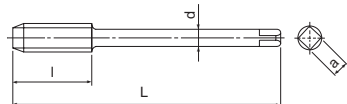


EDP	M	P	L	l	d	a	ZΔ	Stock	Price
48139179	12	1,75	110	14	9	7	3	●	
48139191	14	2	110	16	11	9	3	●	
48139202	16	2	110	16	12	9	3	●	

A A-OIL-SFT



EDP	M	P	L	l1	d	a	ZΔ	Type	Stock	Price
48140155	6	1	80	30	6	4,9	2	3	●	
48140161	8	1,25	90	35	8	6,2	3	3	●	
48140169	10	1,5	100	39	10	8	3	3	●	



EDP	M	P	L	l	d	a	ZΔ	Stock	Price
48140179	12	1,75	110	14	9	7	3	●	
48140191	14	2	110	16	11	9	3	●	
48140202	16	2	110	16	12	9	3	●	

Applications - Anwendungen - Applicazioni - Applications - Applikation - Aplicaciones - Применение - Uygulama - Zastosowania												
C≤0.2%	0.25<C≤0.4%	C≥0.45%	SCM	25-35 HRC	35-45 HRC	45-52 HRC	52-62 HRC	SUS	SKD	SC	GG	GGG
⊙ 15-60 m/min	⊙ 15-60 m/min	⊙ 10-60 m/min	⊙ 8-30 m/min	○ 8-20 m/min				⊙ 8-20 m/min				
Cu	BS	BsC	PB	Al	AC,ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-35 m/min		○ 15-30 m/min		○ 15-35 m/min	○ 15-35 m/min	○ 15-35 m/min	○ 15-35 m/min	○ 5-10 m/min				○ 15-20 m/min

OSG EUROPE s.a.

TOOL COMMUNICATION
OSG CORPORATION

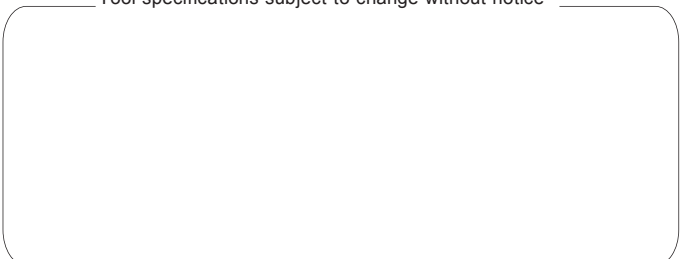
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Tool specifications subject to change without notice



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