



NEW CC-SFT
CC-POT
CC-HL-SFT
CC-SFT-SPT



CC-SERIES (Chip Control - Series)



Able to tap stainless steel with water soluble coolant !!!

NEW

CC-POT
CC-BOT

CC-SFT
CC-SFT

CC-SFT-SPT
CC-SFT-SPT

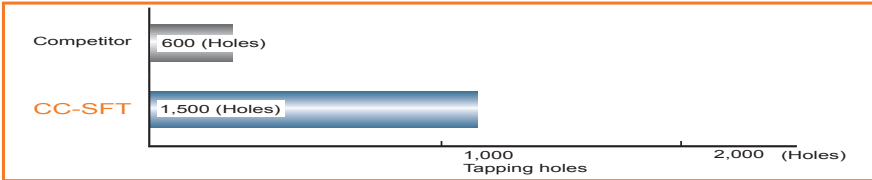
CC-HL-SFT
CC-HL-SFT



CC-series

CHIP CONTROL
CHIP CONTROL

Able to tap stainless steel with water soluble coolant !!!



Work material	SUS304
Int. thread size	M8×1.25
Tapping length	16mm 2D
Hole size	Ø 6.8
Tapping speed	8 m/min
Coolant	Water soluble
Machine	Vertical machining center



CC-series

CHIP CONTROL
CHIP CONTROL

Index

Blind hole



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Through hole



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Helicoil



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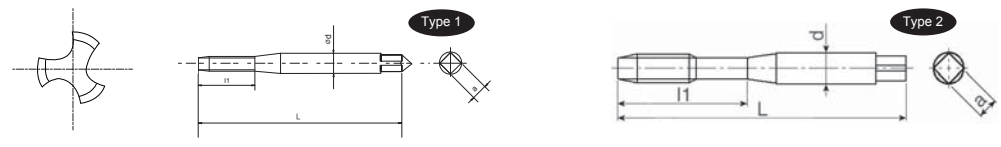
CC-SFT

M
HSSE
CrN
45°
ISO 2 6 HX

h=2,5+l
≥ 2D
DIN 371



- | | | | |
|--|---|---|---|
| <p>METRIC</p> <ul style="list-style-type: none"> For stainless steels and aluminium For threading depth $\geq 2D$ Developed for CNC machines equipped with rigid tapping For pilot hole use OSG EX-SUS-GDS <p>METRISK</p> <ul style="list-style-type: none"> Til rustfrit stål og aluminium Til gevinddybde $< 2D$ Udviklet til CNC maskine udstyret med fast tapholder For boring af pilot hul brug OSG EX-SUS-GDS | <p>METRISCH</p> <ul style="list-style-type: none"> Für Va-Stahl und Aluminium Für Gewindetiefe $\geq 2D$ Für CNC Maschinen mit Synchronspindeln Für die Kernlochbearbeitung EX-SUS-GDS verwenden <p>METRISK</p> <ul style="list-style-type: none"> För rostfritt stål och aluminium För gängdjup $< 2D$ Utvecklat för CNC-maskiner som är utrustade med gängfunktion För pilot hål använd OSG EX-SUS-GDS | <p>METRICO</p> <ul style="list-style-type: none"> Per acciai inox e alluminio Per profondità di filettatura $\geq 2D$ Per le macchine CNC che hanno un programma di sincronizzazione tra la velocità e l'avanzamento Utilizzate OSG EX-SUSGDS per foro pilota <p>METRICO</p> <ul style="list-style-type: none"> Para aceros inoxidable y aluminio Para roscado $< 2D$ Desarrollados para máquinas CNC aptas para roscado rígido Para agujero previo use EX-SUS-GDS | <p>MÉTRIQUE</p> <ul style="list-style-type: none"> Pour inox et aluminium Profondeur de taraudage $\geq 2D$ Développé pour les machines CNC qui ont le "taraudage rigide" Pour trou pilote utiliser OSG EX-SUS-GDS <p>МЕТРИЧЕСКИЙ</p> <ul style="list-style-type: none"> Для нержавеющей сталей и алюминия Для резьб глубиной $< 2D$ Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы Для пилотного отверстия используйте OSG EX-SUS-GDS |
|--|---|---|---|



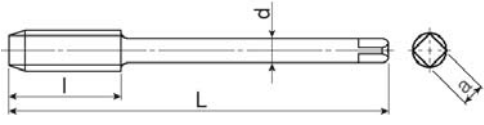
EDP	M	P	L	l1	d	a	Typ.		Price
48032125	2,0	0,40	45	8	2,8	2,1	1	10	
48032133	2,5	0,45	50	10	2,8	2,1	1	10	
48032138	3,0	0,50	56	12	3,5	2,7	1	10	
48032144	4,0	0,70	63	16	4,5	3,4	1	10	
48032149	5,0	0,80	70	20	6,0	4,9	1	10	
48032155	6,0	1,00	80	24	6,0	4,9	1	10	
48032161	8,0	1,25	90	11	8,0	6,2	2	10	
48032169	10,0	1,50	100	14	10,0	8,0	2	10	



CC-SFT

M
HSSE
CrN
45°
ISO 2 6 HX

h=2,5+l
≥ 2D
DIN 376



EDP	M	P	L	l	d	a		Price
48035138	3	0,50	56	5	2,2	-	5	
48035144	4	0,70	63	7	2,8	2,1	5	
48035149	5	0,80	70	8	3,5	2,7	5	
48035155	6	1,00	80	10	4,5	3,4	5	
48035161	8	1,25	90	11	6	4,9	5	
48035169	10	1,50	100	14	7	5,5	5	
48032179	12	1,75	110	16	9	7	5	
48032191	14	2,00	110	18	11	9	5	
48032202	16	2,00	110	18	12	9	5	
48032214	18	2,50	125	23	14	11	1	
48032228	20	2,50	140	23	16	12	1	
48032238	22	2,50	140	23	18	14,5	1	
48032247	24	3,00	160	27	18	14,5	1	
48032262	27	3,00	160	27	20	16	1	
48032271	30	3,50	180	32	22	18	1	
48032294	36	4,00	200	36	28	22	1	

Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применения												
C \leq 0,2%	0,25<C \leq 0,4%	C \geq 0,45%	SCM	25-35 HRC	35-45 HRC	45-52 HRC	52-62 HRC	SUS	SKD	SC	GG	GGG
	○		○					◎				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○				◎								



CC-SFT



UN(J)C

- For stainless steels and aluminium
- For threading depth $\geq 2D$
- Developed for CNC machines equipped with rigid tapping
- For pilot hole use OSG EX-SUS-GDS

UN(J)C

- Til rustfritt stål og aluminium
- Til gevinddybde $\geq 2D$
- Udviklet til CNC maskine udstyret med fast tapholder
- For boring af pilot hul brug OSG EX-SUS-GDS

UN(J)C

- Für Va-Stahl und Aluminium
- Für Gewindetiefe $\geq 2D$
- Für CNC Maschinen mit Synchronspindeln
- Für die Kernlochbearbeitung EX-SUS-GDS verwenden

UN(J)C

- För rostfritt stål och aluminium
- För gängdjup $\geq 2D$
- Utvecklat för CNC-maskiner som är utrustade med gängfunktion
- För pilot hål använd OSG EX-SUS-GDS

UN(J)C

- Per acciai inox e alluminio
- Per profondità di filettatura $\geq 2D$
- Per le macchine CNC che hanno un programma di sincronizzazione tra la velocità e l'avanzamento
- Utilizzate OSG EX-SUS-GDS per foro pilota

UN(J)C

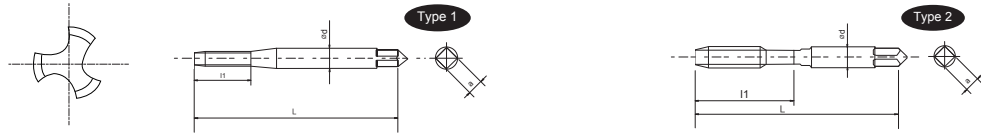
- Para aluminio, aceros inoxidables
- Para roscado $\geq 2D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

AMÉRICAIN

- Pour inox et aluminium
- Profondeur de taraudage $\geq 2D$
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour le trou pilote, utiliser OSG EX-SUS-GDS

UN(J)C

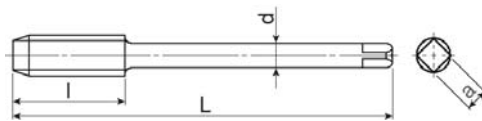
- Для алюминия и нержавеющей сталей
- Для резьб глубиной $\geq 2D$
- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы
- Для пилотного отверстия используйте OSG EX-SUS-GDS



EDP	UN(J)C	P	L	I1	d	a	Type	Price
48032457	4	40	56	11,4	3,5	2,7	1	
48032461	6	32	56	14,0	4,0	3,0	1	
48032464	8	32	63	16,7	4,5	3,4	1	
48032466	10	24	70	19,3	6,0	4,9	1	
48032471	1/4	20	80	25,4	7,0	5,5	1	
48032474	5/16	18	90	13,0	8,0	6,2	2	
48032479	3/8	16	90	15,0	9,0	7,0	2	



CC-SFT



EDP	UN(J)C	P	L	I	d	a	Price
48032484	7/16	14	100	17	8	6,2	
48032489	1/2	13	110	18	9	7,0	
48032494	9/16	12	110	19	11	9,0	
48032501	5/8	11	110	21	12	9,0	
48032515	3/4	10	125	23	14	11,0	
48032526	7/8	9	140	26	18	14,5	
48032538	1	8	160	29	18	14,5	

Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение

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
	○		○					◎				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○				◎								



CC-SFT

UNF

UNJF

HSSE

CrN

45°

ANSI 2B

ANSI 3B

h2,5+l

≥ 2D

≥ 2D

DIN 2182

HIGH PERFORMANCE

- For stainless steels and aluminium
- For threading depth $\geq 2 D$
- Developed for CNC machines equipped with rigid tapping
- For pilot hole use OSG EX-SUS-GDS

HIGH PERFORMANCE

- Til rustfrit stål og aluminium
- Til gevinddybde $\geq 2 D$
- Udviklet til CNC maskine udstyret med fast tapholder
- For boring af pilot hul brug OSG EX-SUS-GDS

HIGH PERFORMANCE

- Für VA-Stahl und Aluminium
- Für Gewindetiefe $\geq 2 D$
- Für CNC Maschinen mit Synchronspindeln
- Für die Kernlochbearbeitung EX-SUS-GDS verwenden

HIGH PERFORMANCE

- För rostfritt stål och aluminium
- För gängdjup $\geq 2 D$
- Utvecklat för CNC-maskiner som är utrustade med gängfunktion
- För pilot hål använd OSG EX-SUS-GDS

ALTA PRESTAZIONE

- Per acciai inox e alluminio
- Per profondità di filettatura $\geq 2 D$
- Per le macchine CNC che hanno un programma di sincronizzazione tra la velocità e l'avanzamento
- Utilizzate OSG EX-SUS-GDS per foro pilota

ALTAS PRESTACIONES

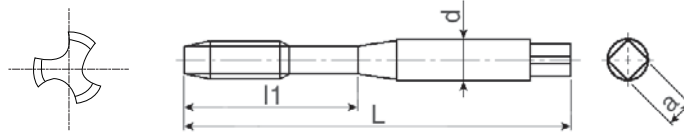
- Para aceros inoxidable y aluminio
- Para roscado $\geq 2 D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

HAUTE PERFORMANCE

- Pour inox et aluminium
- Profondeur de taraudage $\geq 2 D$
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour trou pilote utiliser OSG EX-SUS-GDS

ВЫСОКАЯ ПРОИЗВОДИТЕЛЬНОСТЬ

- Для нержавеющей сталей и алюминия
- Для резьб глубиной $\geq 2 D$
- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы
- Для пилотного отверстия используйте OSG EX-SUS-GDS



EDP	UN(J)F	P	L	I1	d	a		Price
48032467	10	32	70	19,3	6	4,9	10	
48032472	1/4	28	80	25,4	7	5,5	10	
48032476	5/16	24	90	11,0	8	6,2	10	
48032481	3/8	24	90	12,0	9	7,0	10	



CC-SFT

UNF

UNJF

HSSE

CrN

45°

ANSI 2B

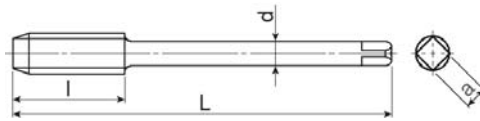
ANSI 3B

h2,5+l

≥ 2D

≥ 2D

DIN 2183



EDP	UN(J)F	P	L	I	d	a	Price
48032486	7/16	20	100	14	9	6,2	
48032491	1/2	20	100	15	9	7	
48032496	9/16	18	100	15	11	9	
48032504	5/8	18	100	17	12	9	
48032517	3/4	16	110	19	14	11	
48032528	7/8	14	125	21	18	14,5	
48032539	1	12	125	24	18	14,5	

Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение

C \leq 0,2%	0,25<C \leq 0,4%	C \geq 0,45%	SCM	25-35 HRC	35-45 HRC	45-52 HRC	52-62 HRC	SUS	SKD	SC	GG	GGG
	○		○					◎				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○				◎								



CC-POT



METRIC

- For stainless steels and aluminium
- Developed for CNC machines equipped with rigid tapping
- For pilot hole use OSG EX-SUS-GDS

METRISK

- Til rustfrit stål og aluminium
- Udviklet til CNC maskine udstyret med fast tapholder
- For boring af pilot hul brug OSG EX-SUS-GDS

METRISCH

- Für Va-Stahl und Aluminium
- Für CNC Maschinen mit Synchronspindeln
- Für die Kernlochbearbeitung EX-SUS-GDS verwenden

METRISK

- För rostfritt stål och aluminium
- Utvecklat för CNC-maskiner som är utrustade med gängfunktion
- För pilot hål använd OSG EX-SUS-GDS

METRICO

- Per acciai inox e alluminio
- Per le macchine CNC che hanno un programma di sincronizzazione tra la velocità e l'avanzamento
- Utilizzate OSG EX-SUSGDS per foro pilota

METRICO

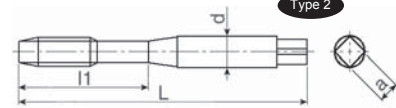
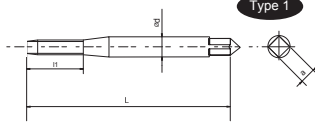
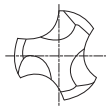
- Para aceros inoxidables y aluminio
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

MÉTRIQUE

- Pour inox et aluminium
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour trou pilote utiliser OSG EX-SUS-GDS

МЕТРИЧЕСКИЙ

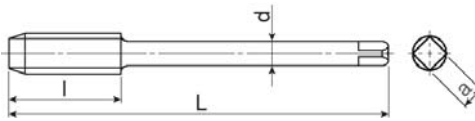
- Для нержавеющей сталей и алюминия
- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы
- Для пилотного отверстия используйте OSG EX-SUS-GDS



EDP	M	P	L	l1	d	a	Z _Δ	Type	Price
48059125	2	0,40	45	8	2,8	2,1	2	1	10
48059133	2,5	0,45	50	9	2,8	2,1	2	1	10
48059138	3	0,50	56	18	3,5	2,7	3	2	10
48059144	4	0,70	63	21	4,5	3,4	3	2	10
48059149	5	0,80	70	25	6,0	4,9	3	2	10
48059155	6	1,00	80	30	6,0	4,9	3	2	10
48059161	8	1,25	90	35	8,0	6,2	3	2	10
48059169	10	1,50	100	39	10,0	8,0	3	2	10



CC-POT



EDP	M	P	L	l	d	a	Z _Δ	Price
48060138	3	0,50	56	11	2,20	-	3	10
48060144	4	0,70	63	13	2,80	2,1	3	10
48060149	5	0,80	70	16	3,50	2,7	3	10
48060155	6	1,00	80	19	4,50	3,4	3	10
48060161	8	1,25	90	22	6,00	4,9	3	10
48060169	10	1,50	100	24	7,00	5,5	3	10
48060179	12	1,75	110	29	9,00	7,0	3	5
48060191	14	2,00	110	30	11,00	9,0	3	5
48060202	16	2,00	110	32	12,00	9,0	3	5
48060214	18	2,50	125	34	14,00	11,0	3	1
48060228	20	2,50	140	34	16,00	12,0	3	1
48060238	22	2,50	140	34	18,00	14,5	3	1
48060247	24	3,00	160	38	18,00	14,5	3	1
48060262	27	3,00	160	38	20,00	16,0	3	1
48060271	30	3,50	180	45	22,00	18,0	3	1

Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение

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
	○		○					◎				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○				◎								



CC-HL-SFT



HIGH PERFORMANCE

- For stainless steels and aluminium
- For threading depth $\geq 2 D$
- Developed for CNC machines equipped with rigid tapping
- For pilot hole use OSG EX-SUS-GDS

HIGH PERFORMANCE

- Til rustfritt stål og aluminium
- Til gevinddybde $\geq 2 D$
- Udviklet til CNC maskine udstyret med fast tapholder
- For boring af pilot hul brug OSG EX-SUS-GDS

HIGH PERFORMANCE

- Für VA-Stahl und Aluminium
- Für Gewindetiefe $\geq 2 D$
- Für CNC Maschinen mit Synchronspindeln
- Für die Kernlochbearbeitung EX-SUS-GDS verwenden

HIGH PERFORMANCE

- För rostfritt stål och aluminium
- För gängdjup $\geq 2 D$
- Utvecklat för CNC-maskiner som är utrustade med gängfunktion
- För pilot hål använd OSG EX-SUS-GDS

ALTA PRESTAZIONE

- Per acciai inox e alluminio
- Per profondità di filettatura $\geq 2 D$
- Per le macchine CNC che hanno un programma di sincronizzazione tra la velocità e l'avanzamento
- Utilizzate OSG EX-SUS-GDS per foro pilota

ALTAS PRESTACIONES

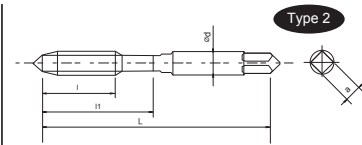
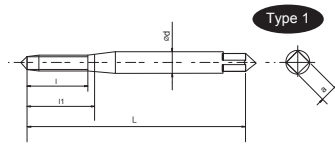
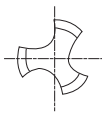
- Para aceros inoxidable y aluminio
- Para roscado $\geq 2 D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use OSG EX-SUS-GDS

HAUTE PERFORMANCE

- Pour inox et aluminium
- Profondeur de taraudage $\geq 2 D$
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour trou pilote utiliser OSG EX-SUS-GDS

ВЫСОКАЯ ПРОИЗВОДИТЕЛЬНОСТЬ

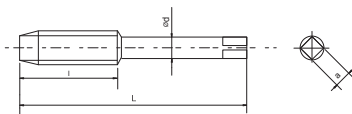
- Для нержавеющей сталей и алюминия
- Для резьб глубиной $\geq 2 D$
- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы
- Для пилотного отверстия используйте OSG EX-SUS-GDS



EDP	M	P	L	l	l1	d	a	Z	Type	Price
48044138	3	0,50	56	4,5	15	4	3	3	1	
48044144	4	0,70	70	6,6	20	6	4,9	3	1	
48044149	5	0,80	80	7,2	25	6	4,9	3	1	
48044155	6	1,00	90	9,0	35	8	6,2	3	2	
48044161	8	1,25	100	12,0	39	10	8	3	2	
48044169	10	1,50	110	14,0	46	12	9	4	2	



CC-HL-SFT



EDP	M	P	L	l	l1	d	a	Z	Price
48044179	12	1,75	110	16	-	11	9	4	

Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение

C \leq 0,2%	0,25<C \leq 0,4%	C \geq 0,45%	SCM	25-35 HRC	35-45 HRC	45-52 HRC	52-62 HRC	SUS	SKD	SC	GG	GGG
	○		○					◎				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○				◎								

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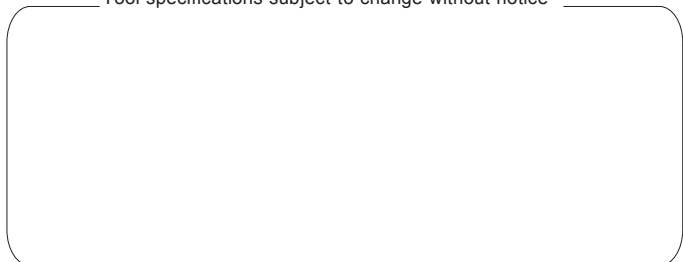
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Tool specifications subject to change without notice



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