



CC-NEO-SFT  
CC-SFT  
**NEW** CC-LT-SFT  
CC-POT  
**NEW** CC-LT-POT  
CC-HL-SFT  
CC-SFT-SPT



**VOL.4**



**CC-SERIES**  
**(Chip Control - Series)**



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

**NEW**

CC-POT CC-NEO-SFT CC-LT-SFT/POT CC-SFT CC-SFT-SPT CC-HL-SFT

CC-POT CC-NEO-SFT CC-LT-SFT/POT CC-SFT CC-SFT-SPT CC-HL-SFT



# CC-series

CHIP CONTROL  
CHIP CONTROL

CC - CHIP CONTROL



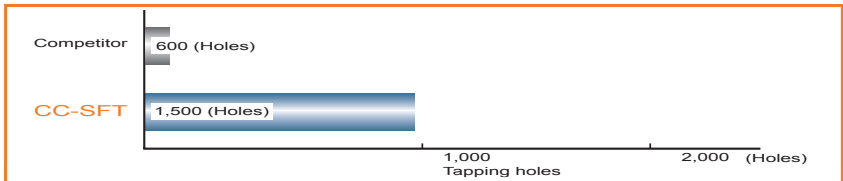
SUS304

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

CHIP COMPETITOR TAP



SUS304



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

## TAP PRODUCT SELECTION

Blind hole

CC-NEO-SFT



M

Page 3~6

CC-SFT



M

Page 7.

**NEW** CC-LT-SFT



M

Page 8.

CC-SFT



MF

Page 9.

CC-SFT



UNC UNJ

Page 10.

CC-SFT



UNF UNJF

Through hole

CC-POT



M

Page 11.

**NEW** CC-LT-POT



M

Page 12.

CC-POT



MF

Page 12.

Helicoil

CC-HL-SFT



M

Page 13.

CC-HL-SFT



UNF UNJF

Page 14.

Gas

CC-SFT-SPT



G

Page 15.



CC-NEO-SFT

CUSTOMER BENEFIT

***Tapping in the more difficult SUS material is possible***

CC-NEO will shine where CC Series had problems, like SUS

***Tapping SUS material with water soluble is possible***

It is more environmentally friendly and convenient

***Horizontal tapping on SUS material is possible***

Machine are expensive investments. Cutting tools are not.



CC-NEO-SFT

PRODUCT DESCRIPTION

**CC-NEO-SFT series feature OSG's latest innovation**

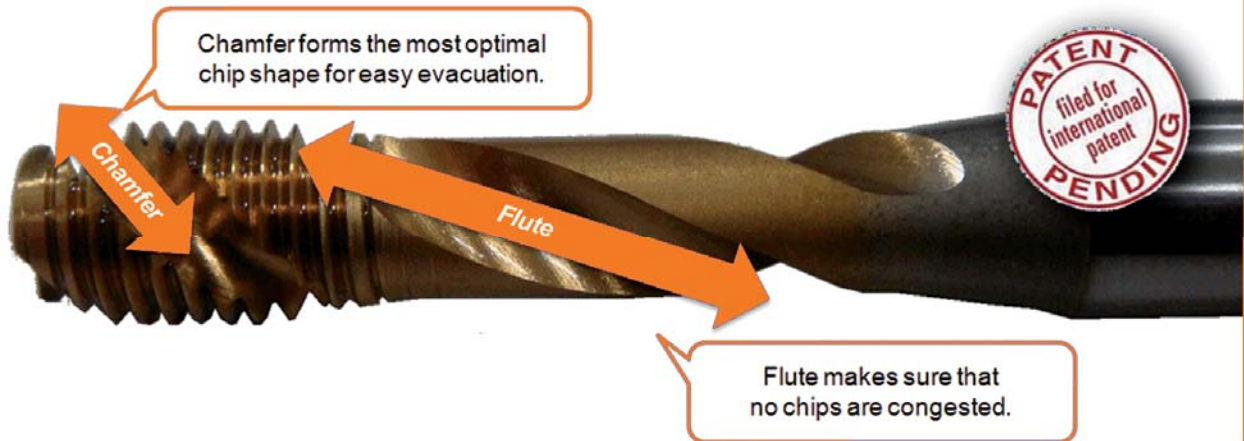
- ① ***Variable Lead***
- ② ***Reduction of Flutes***
- ③ ***Optimized Flute Form***
- ④ ***Proven TiN Coating***

***The combination of these 3 make the CC-NEO-SFT an unbeatable on all SUS materials***

**1. Variable Lead in the Flute**

Engineers treated Chamfer and Flute as completely separate entities.

Chamfer forms chips, and Flute evacuates chips. Forming chips and Evacuating chips are completely different functions; and therefore, they must be designed for their specific purposes.

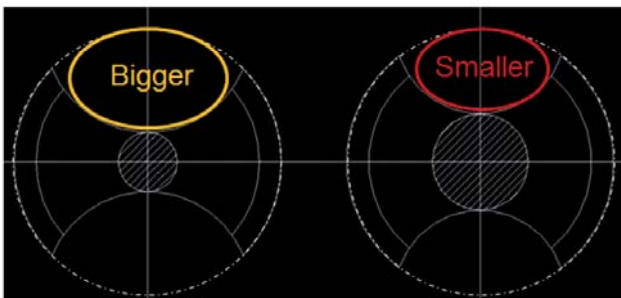


**2. Reduction of Flutes in Smaller Diameters**

OSG's know-how in taps proves that there is a correlation between Chip Shapes and Flutes Sizes.

Chip Shapes are more stable when Flute Sizes are small. Consequently, Chip Shapes are instable when Flute Sizes are large. It takes experience to pinpoint the best balance. OSG engineers found the best balance for smaller diameters with 2 flutes and not 3 in small dia.

Experience knows best.



**3. Optimized Flute Form**

Another important factor in controlling the Chip Form and Chip Evacuation is the Flute Form.

With ample experience combined with a series of trial and error, OSG engineers have identified a Flute Form that works well with the characteristics of SUS materials.

Once again, experience and persistency deliver the results.



**4. Proven TiN Coating**

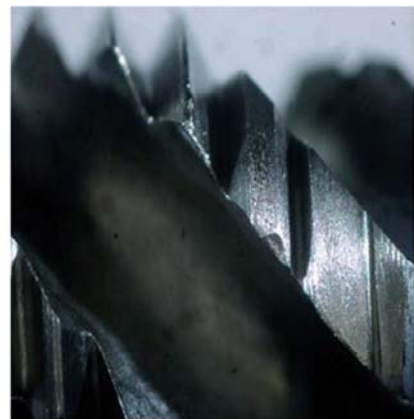
Taking advantage of its own Coating Ovens (more than 25 ovens!), OSG engineers conducted series of tool life tests with numerous coatings. Those test results revealed TiN coating to be the most consistent in achieving longer tool life.



**TiN Coating**



**Coating A**



**Coating B**



# CC-NEO-SFT

## METRIC

- Variable lead spiral flute for better chip evacuation
- For stainless steels aluminium and steels
- For threading depth 3D
- For pilot hole use OSG EX-SUS-GDS (p.c.70)

## METRISK

- Variabel snoning for bedre spåneafgang
- Til rustfrit stål og aluminium, og stål
- Til gevinddybde 3D
- For boring af pilot hul brug OSG EX-SUS-GDS (p.c.70)

## METRISCH

- ungleich gedrahter Spiralwinkel für eine bessere Spanabfuhr
- Für Va-Stahl und Aluminium und Stahl
- Für Gewindetiefe 3D
- Für die Kernlochbearbeitung EX-SUS-GDS verwenden (p.c.70)

## METRISK

- Variabel helix för bättre spånevakuering
- För rostfritt stål och aluminium, stål
- För gängdjup 3D
- För pilot hål använd OSG EX-SUS-GDS (p.c.70)

## METRICO

- Elica variabile per una migliore evacuazione dei trucioli
- Per acciai inox e alluminio
- Per profondità di filettatura 3D
- Utilizzate OSG EX-SUSGDS per foro pilota (p.c.70)

## METRICO

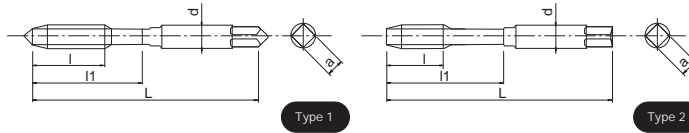
- Ranura helicoidal de paso variable para mejor evacuación de virutas
- Para aceros inoxidables y aluminio, aceros
- Para roscado 3D
- Para agujero previo use EX-SUS-GDS (p.c.70)

## MÉTRIQUE

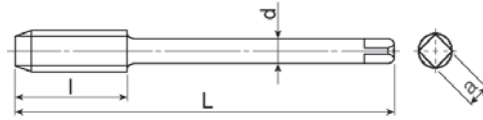
- hélice variable pour une meilleure évacuation des copeaux
- Pour inox, aluminium et aciers
- Profondeur de taraudage 3D
- Pour trou pilote utiliser OSG EX-SUS (p.c.70)

## МЕТРИЧЕСКИЙ

- Переменная спиральная канавка для лучшего удаления стружки
- Для нержавеющей сталей и алюминия
- Для резьбы глубиной 3D
- Для пилотного отверстия используйте OSG EX-SUS-GDS (p.c.70)



EDP	M	P	L	l1	d	a	Z $\Delta$	Type	Stock	Price
48081125	2	0,4	45	8	2,8	2,1	2	1	●	
48081133	2,5	0,45	50	9	2,8	2,1	2	1	●	
48081138	3	0,5	56	18	3,5	2,7	2	2	●	
48081144	4	0,7	63	21	4,5	3,4	2	2	●	
48081149	5	0,8	70	25	6	4,9	2	2	●	
48081155	6	1	80	30	6	4,9	2	2	●	
48081161	8	1,25	90	35	8	6,2	3	2	●	
48081169	10	1,5	100	39	10	8	3	2	●	



EDP	M	P	L	l	d	a	Z $\Delta$	Stock	Price
48081179	12	1,75	110	18	9	7	3	●	
48081191	14	2	110	20	11	9	3	●	
48081202	16	2	110	20	12	9	3	●	

### 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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	⊙ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
⊙ 15-24 m/min				⊙ 15-35 m/min								



# CC-SFT



## METRIC

- 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

## METRISK

- 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

## METRISCH

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

## METRISK

- 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

## METRICO

- 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

## METRICO

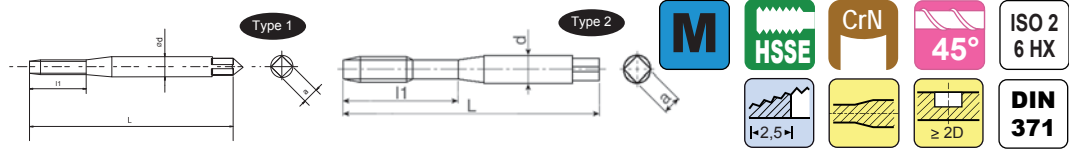
- Para aceros inoxidable y aluminio
- Para roscado  $\geq 2D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

## MÉTRIQUE

- 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

## МЕТРИЧЕСКИЙ

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



EDP	M	P	L	l1	d	a	Z $\Delta$	Type	Stock	Price
48032125	2,0	0,4	45	8	2,8	2,1	2	1	●	
48032133	2,5	0,45	50	10	2,8	2,1	2	1	●	
48032138	3,0	0,5	56	12	3,5	2,7	3	1	●	
48032144	4,0	0,7	63	16	4,5	3,4	3	1	●	
48032149	5,0	0,8	70	20	6,0	4,9	3	1	●	
48032155	6,0	1	80	24	6,0	4,9	3	1	●	
48032161	8,0	1,25	90	35	8,0	6,2	3	2	●	
48032169	10,0	1,5	100	39	10,0	8,0	4	2	●	



EDP	M	P	L	l	d	a	Z $\Delta$	Stock	Price
48035138	3	0,5	56	5	2,2	-	3	●	
48035144	4	0,7	63	7	2,8	2,1	3	●	
48035149	5	0,8	70	8	3,5	2,7	3	●	
48035155	6	1	80	10	4,5	3,4	3	●	
48035161	8	1,25	90	11	6	4,9	3	●	
48035169	10	1,5	100	14	7	5,5	4	●	
48032179	12	1,75	110	16	9	7	4	●	
48032191	14	2	110	18	11	9	4	●	
48032202	16	2	110	18	12	9	4	●	
48032214	18	2,5	125	23	14	11	4	●	
48032228	20	2,5	140	23	16	12	4	●	
48032238	22	2,5	140	23	18	14,5	4	●	
48032247	24	3	160	27	18	14,5	4	●	
48032262	27	3	160	27	20	16	4	●	
48032271	30	3,5	180	32	22	18	4	●	
48032294	36	4	200	36	28	22	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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC,ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-24 m/min				⊙ 15-35 m/min								



# CC-LT-SFT

**NEW**



## METRIC

- For stainless steels and aluminium
- For threading depth  $\geq 2D$
- Long shank

## METRISCH

- Für Va-Stahl und Aluminium
- Für Gewindetiefe  $\geq 2D$
- Langt Schaft

## METRICO

- Per acciai inox e alluminio
- Per profondità di filettatura  $\geq 2D$
- Gambo lungo

## MÉTRIQUE

- Pour inox et aluminium
- Profondeur de taraudage  $\geq 2D$
- Queue longue

## METRISK

- Til rustfritt stål og aluminium
- Til gevinddybde  $\geq 2D$
- Langt skaft

## METRISK

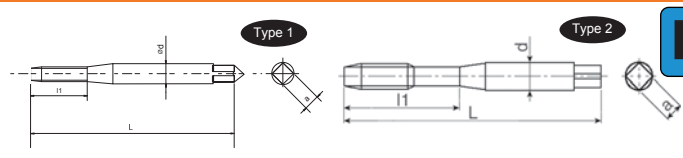
- För rostfritt stål och aluminium
- För gängdjup  $\geq 2D$
- Långt skaft

## METRICO

- Para aceros inoxidables y aluminio
- Para roscado  $\geq 2D$
- Mango larga

## МЕТРИЧЕСКИЙ

- Для нержавеющей сталей и алюминия
- Для резьб глубиной  $\geq 2D$
- короткая длина

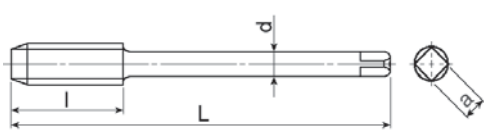


M
HSSE
CrN
45°
ISO 2 6 HX

±2,5•l
≥ 2D
DIN 371

EDP	M	P	L	l1	d	a	ZΔ	Type	Stock	Price
NEW 48113125	2,0	0,4	80	8	2,8	2,1	2	1	●	
NEW 48113133	2,5	0,45	100	10	2,8	2,1	2	1	●	
NEW 48113138	3,0	0,5	100	12	3,5	2,7	3	1	●	
NEW 48113144	4,0	0,7	125	16	4,5	3,4	3	1	●	
NEW 48113149	5,0	0,8	140	20	6,0	4,9	3	1	●	
NEW 48113155	6,0	1	160	24	6,0	4,9	3	1	●	
NEW 48113161	8,0	1,25	180	35	8,0	6,2	3	2	●	
NEW 48113169	10,0	1,5	200	39	10,0	8,0	4	2	●	

**AVAILABLE FROM DECEMBER 2012**



M
HSSE
CrN
45°
ISO2 6 HX

±2,5•l
≥ 2D
DIN 376

EDP	M	P	L	l	d	a	ZΔ	Stock	Price
NEW 48113179	12	1,75	200	16	9	7	4	●	

**AVAILABLE FROM DECEMBER 2012**

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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
⊙ 15-24 m/min				⊙ 15-35 m/min								





# CC-SFT



## METRIC FINE

- 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

## METRISK FINGEVIND

- Til rustfrit 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

## METRISCH FEIN

- Für VA-Stahl und Aluminium
- Für Gewindetiefen  $\geq 2D$

■ Für CNC Maschinen mit Synchronspindeln

- Für die Kernlochbearbeitung EX-SUS-GDS verwenden

## METRISK FIN

- 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

## METRICO FINE

- 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

## METRICO FINO

- Para aceros inoxidable y aluminio
- Para roscado  $\geq 2D$

■ Desarrollados para máquinas CNC aptas para roscado rígido

- Para agujero previo use EX-SUS-GDS

## MÉTRIQUE FIN

- Pour inox et aluminium

- Profondeur de taraudage  $\geq 2D$

■ Développé pour les machines CNC qui ont le "taraudage rigide"

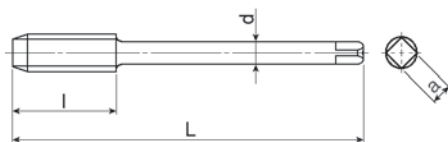
- Pour trou pilote utiliser OSG EX-SUS-GDS

## МЕТРИЧЕСКАЯ МЕЛКА

- Для нержавеющей сталей и алюминия
- Для резьб глубиной  $\geq 2D$

■ Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы

- Для пилотного отверстия используйте OSG EX-SUS-GDS



EDP	MF	P	L	l	d	a	Z	Stock	Price
48032157	6	0,5	80	7,2	4,5	3,4	3	●	
48032156	6	0,75	80	7,2	4,5	3,4	3	●	
48032163	8	0,75	80	9,0	6,0	4,9	3	●	
48032162	8	1	90	9,0	6,0	4,9	3	●	
48032170	10	1,25	100	11,0	7,0	5,5	4	●	
48032171	10	1	90	11,0	7,0	5,5	4	●	
48032180	12	1,5	100	13,0	9,0	7,0	4	●	
48032181	12	1,25	100	13,0	9,0	7,0	4	●	
48032182	12	1	100	13,0	9,0	7,0	4	●	
48032192	14	1,5	100	14,0	11,0	9,0	4	●	
48032203	16	1,5	100	14,0	12,0	9,0	4	●	
48032216	18	1,5	110	18,0	14,0	11,0	4	●	
48032230	20	1,5	125	18,0	16,0	12,0	4	●	
48032240	22	1,5	125	18,0	18,0	14,5	4	●	
48032250	24	1,5	140	22,0	18,0	14,5	4	●	

## 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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-24 m/min				⊙ 15-35 m/min								



# 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

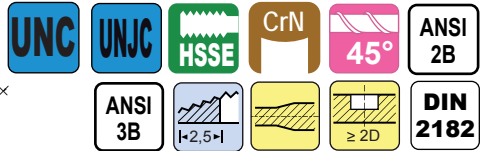
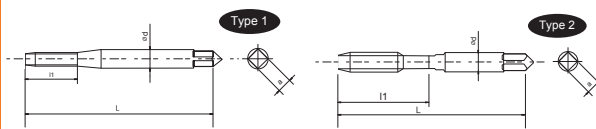
- Para aluminio, aceros inoxidables
- Para roscado  $\geq 2D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

## AMÉRICAIN

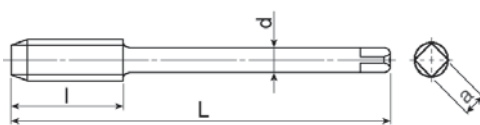
- Pour inox et aluminium
- Profondeur de taraudage  $\geq 2D$
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour le trou pilote, utiliser OSG EX-SUS-GDS

## 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	l1	d	a	ZΔ	Type	Stock	Price
48032457	4	40	56	11,4	3,5	2,7	2	1	●	
48032461	6	32	56	14,0	4,0	3,0	3	1	●	
48032464	8	32	63	16,7	4,5	3,4	3	1	●	
48032466	10	24	70	19,3	6,0	4,9	3	1	●	
48032471	1/4	20	80	25,4	7,0	5,5	3	1	●	
48032474	5/16	18	90	13,0	8,0	6,2	3	2	●	
48032479	3/8	16	90	15,0	9,0	7,0	3	2	●	



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

### 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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-24 m/min				⊙ 15-35 m/min								



# CC-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

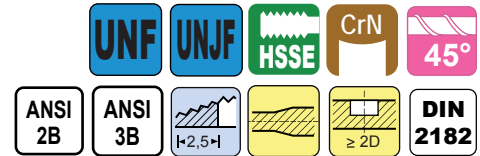
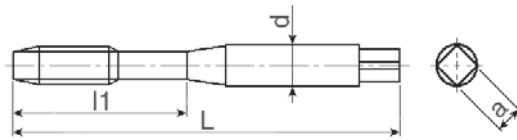
- Para aceros inoxidable y aluminio
- Para roscado  $\geq 2 D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

## HAUTE PERFORMANCE

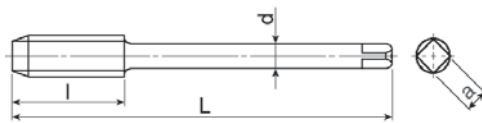
- Pour inox et aluminium
- Profondeur de taraudage  $\geq 2 D$
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour trou pilote utiliser OSG EX-SUS-GDS

## ВЫСОКАЯ ПРОИЗВОДИТЕЛЬНОСТЬ

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



EDP	UN(J)F	P	L	l1	d	a	Z $\Delta$	Stock	Price
48032467	10	32	70	19,3	6	4,9	3	●	
48032472	1/4	28	80	25,4	7	5,5	3	●	
48032476	5/16	24	90	11,0	8	6,2	3	●	
48032481	3/8	24	90	12,0	9	7,0	3	●	



EDP	UN(J)F	P	L	l	d	a	Z $\Delta$	Stock	Price
48032486	7/16	20	100	14	9	6,2	4	●	
48032491	1/2	20	100	15	9	7	4	●	
48032496	9/16	18	100	15	11	9	4	●	
48032504	5/8	18	100	17	12	9	4	●	
48032517	3/4	16	110	19	14	11	4	●	
48032528	7/8	14	125	21	18	14,5	4	●	
48032539	1	12	125	24	18	14,5	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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-24 m/min				⊙ 15-35 m/min								



# 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

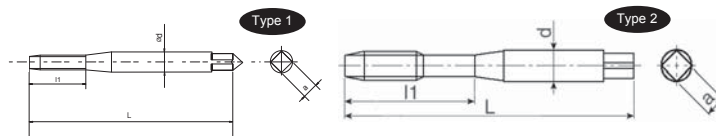
- Para aceros inoxidables y aluminio
- Desarrollados para máquinas CNC aptas para roscado rigido
- Para agujero previo use EX-SUS-GDS

## MÉTRIQUE

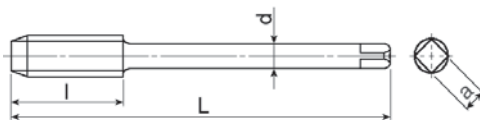
- Pour inox et aluminium
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour trou pilote utiliser OSG EX-SUS-GDS

## 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	ZΔ	Type	Stock	Price
48059125	2	0,4	45	8	2,8	2,1	2	1	●	
48059133	2,5	0,45	50	9	2,8	2,1	2	1	●	
48059138	3	0,5	56	18	3,5	2,7	3	2	●	
48059144	4	0,7	63	21	4,5	3,4	3	2	●	
48059149	5	0,8	70	25	6,0	4,9	3	2	●	
48059155	6	1	80	30	6,0	4,9	3	2	●	
48059161	8	1,25	90	35	8,0	6,2	3	2	●	
48059169	10	1,5	100	39	10,0	8,0	3	2	●	



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

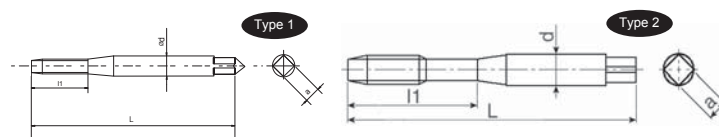
### Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение

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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-15 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-25 m/min				○ 20-40 m/min								



# CC-LT-POT

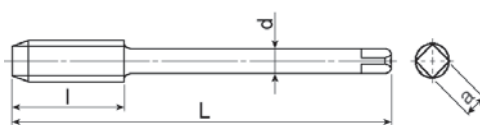
- |   |   |   |   |
|---|---|---|---|
| <p><b>METRIC</b></p> <ul style="list-style-type: none"> <li>For stainless steels and aluminium</li> <li>Long shank</li> </ul> | <p><b>METRISCH</b></p> <ul style="list-style-type: none"> <li>Für Va-Stahl und Aluminium</li> <li>Langt Schaft</li> </ul>     | <p><b>METRICO</b></p> <ul style="list-style-type: none"> <li>Per acciai inox e alluminio</li> <li>Gambo lungo</li> </ul>        | <p><b>MÉTRIQUE</b></p> <ul style="list-style-type: none"> <li>Pour inox et aluminium</li> <li>Queue longue</li> </ul>                 |
| <p><b>METRISK</b></p> <ul style="list-style-type: none"> <li>Til rustfritt stål og aluminium</li> <li>Langt skaft</li> </ul>  | <p><b>METRISK</b></p> <ul style="list-style-type: none"> <li>För rostfritt stål och aluminium</li> <li>Långt skaft</li> </ul> | <p><b>METRICO</b></p> <ul style="list-style-type: none"> <li>Para aceros inoxidables y aluminio</li> <li>Mango larga</li> </ul> | <p><b>МЕТРИЧЕСКИЙ</b></p> <ul style="list-style-type: none"> <li>Для нержавеющей сталей и алюминия</li> <li>короткая длина</li> </ul> |



M HSSE CrN ISO 2 6 HX  
H4   DIN 371

EDP	M	P	L	I1	d	a	Z $\Delta$	Type	Stock	Price
NEW 48114125	2	0,4	80	8	2,8	2,1	2	1	●	
NEW 48114133	2,5	0,45	100	9	2,8	2,1	2	1	●	
NEW 48114138	3	0,5	100	18	3,5	2,7	3	2	●	
NEW 48114144	4	0,7	125	21	4,5	3,4	3	2	●	
NEW 48114149	5	0,8	145	25	6,0	4,9	3	2	●	
NEW 48114155	6	1	160	30	6,0	4,9	3	2	●	
NEW 48114161	8	1,25	180	35	8,0	6,2	3	2	●	
NEW 48114169	10	1,5	200	39	10,0	8,0	3	2	●	

AVAILABLE FROM DECEMBER 2012



M HSSE CrN ISO 2 6 HX  
H4   DIN 376

EDP	M	P	L	I	d	a	Z $\Delta$	Stock	Price
NEW 48114179	12	1,75	200	29	9,00	7,0	3	●	

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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-15 m/min				
Cu	BS	BsC	PB	Al	AC,ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-25 m/min				○ 20-40 m/min								



# 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

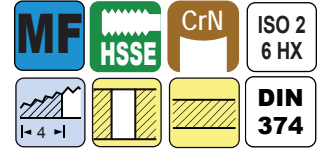
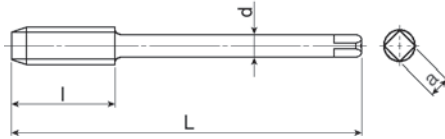
- Para aceros inoxidable y aluminio
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

## 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	MF	P	L	l	d	a	Z $\Delta$	Stock	Price
NEW 48061156	6	0,75	80	14	4,5	3,4	3	●	
NEW 48061163	8	0,75	80	19	6,0	4,9	3	●	
NEW 48061162	8	1	90	22	6,0	4,9	3	●	
NEW 48061171	10	1	90	20	7,0	5,5	3	●	
NEW 48061170	10	1,25	100	24	7,0	5,5	3	●	
NEW 48061182	12	1	100	22	9,0	7,0	3	●	
NEW 48061181	12	1,25	100	22	9,0	7,0	3	●	
NEW 48061180	12	1,5	100	22	9,0	7,0	3	●	
NEW 48061192	14	1,5	100	22	11,0	9,0	3	●	
NEW 48061203	16	1,5	100	22	12,0	9,0	3	●	
NEW 48061216	18	1,5	110	25	14,0	11,0	3	●	
NEW 48061230	20	1,5	125	25	16,0	12,0	3	●	
NEW 48061240	22	1,5	125	25	18,0	14,5	3	●	
NEW 48061250	24	1,5	140	28	18,0	14,5	3	●	

### 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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-15 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-25 m/min				○ 20-40 m/min								



# 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

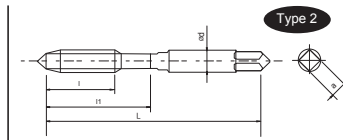
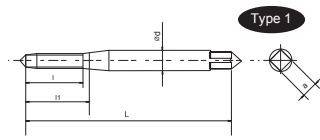
- Para aceros inoxidables y aluminio
- Para roscado  $\geq 2 D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

## HAUTE PERFORMANCE

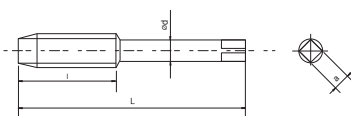
- Pour inox et aluminium
- Profondeur de taraudage  $\geq 2 D$
- Développé pour les machines CNC qui ont le "taraudage rigide"
- Pour trou pilote utiliser OSG EX-SUS-GDS

## ВЫСОКАЯ ПРОИЗВОДИТЕЛЬНОСТЬ

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



EDP	M	P	L	I	I1	d	a	Z $\Delta$	Type	Stock	Price
48044138	3	0,5	56	4,5	15	4	3	3	1	●	
48044144	4	0,7	70	6,6	20	6	4,9	3	1	●	
48044149	5	0,8	80	7,2	25	6	4,9	3	1	●	
48044155	6	1	90	9,0	35	8	6,2	3	2	●	
48044161	8	1,25	100	12,0	39	10	8	3	2	●	
48044169	10	1,5	110	14,0	46	12	9	4	2	●	



EDP	M	P	L	I	I1	d	a	Z $\Delta$	Stock	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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-24 m/min				⊙ 15-35 m/min								



# CC-HL-SFT



### UN(J)F

- 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)F

- 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)F

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

### UN(J)F

- 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)F

- 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)F

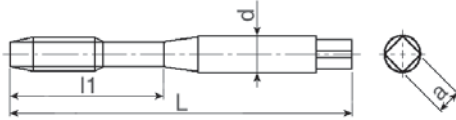
- Para aceros inoxidables y aluminio
- Para roscado  $\geq 2D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

### AMÉRICAIN FIN

- 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

### UN(J)F

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



EDP	UN(J)F	P	L	l1	d	a	Z $\Delta$	Stock	Price
48033467	10	32	80	25,4	7	5,5	3	●	
48033472	1/4	28	90	11,0	8	6,2	3	●	
48033476	5/16	24	90	12,0	9	7,0	3	●	
48033481	3/8	24	100	14,0	11	9,0	3	●	

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
⊙ 15-25 m/min	⊙ 15-25 m/min	⊙ 10-25 m/min	○ 10-25 m/min					⊙ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-24 m/min				⊙ 15-35 m/min								





# CC-SFT-SPT

## 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 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"

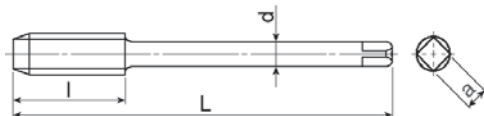
- Pour trou pilote utiliser OSG EX-SUS-GDS

## 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	G	P	L	l	d	a	Z $\Delta$	Stock	Price
48034838	1/8	28	90	10	7	5,5	3	●	
48034839	1/4	19	100	15	11	9,0	4	●	
48034840	3/8	19	100	15	12	9,0	4	●	
48034841	1/2	14	125	20	16	12,0	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
◎ 15-25 m/min	◎ 15-25 m/min	◎ 10-25 m/min	○ 10-25 m/min					◎ 6-10 m/min				
Cu	BS	BsC	PB	Al	AC, ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
○ 15-24 m/min				◎ 15-35 m/min								



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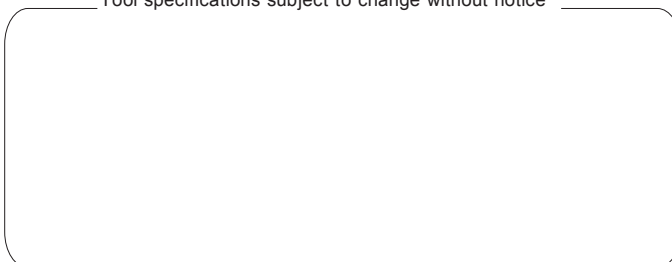
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