



CC-SERIES (Chip Control - Series)



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

NEW

CC-POT
CC-BOT

CC-SFT
CC-SEL

CC-SFT-SPT
CC-SEL-SPT

CC-HL-SFT
CC-HL-SEL



CC-series

CHIP CONTROL

CC - CHIP CONTROL



SUS304

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

CHIP COMPETITOR TAP



SUS304

Competitor 600 (Holes)

CC-SFT 1,500 (Holes)

1,000 Tapping holes 2,000 (Holes)

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

Index

Blind hole



CC-SFT

M

DIN 371/376

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CC-SFT

MF

DIN-374

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CC-SFT

UNC UNJ

DIN-2182/2183

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CC-SFT

UNF UNJF

DIN-2182/2183

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Through hole



CC-POT

M

DIN-371/376

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CC-POT

MF

DIN-374

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Helicoil



CC-HL-SFT

M

DIN-371/376

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CC-HL-SFT

UNF UNJF

DIN-2182

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Gas



CC-SFT-SPT

G

DIN-5156

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CC-SFT



METRIC

- 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

METRISK

- 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

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

- 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 $\geq 2 D$

- 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
- 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 $\geq 2 D$

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

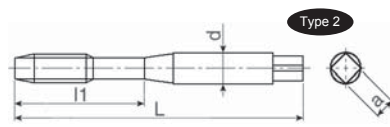
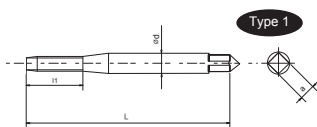
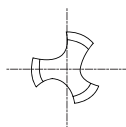
- Pour trou pilote utiliser OSG EX-SUS-GDS

МЕТРИЧЕСКИЙ

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

- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы

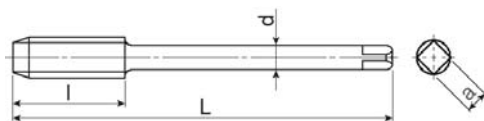
- Для пилотного отверстия используйте OSG EX-SUS-GDS



EDP	M	P	L	l1	d	a	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



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	

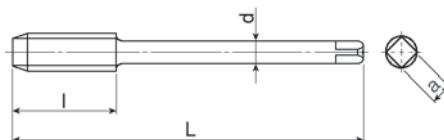
Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение

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			○ 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								



DIN 374

■ Для пилотного отверстия
используйте OSG
EX-SUS-GDS



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		○ 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

UNC

UNJC

HSSE

CrN

45°

ANSI 2B

ANSI 3B

1-2,5-1

≥ 2D

≥ 2D

DIN 2182



UN(J)C

- 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

UN(J)C

- 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

UN(J)C

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

- Für CNC Maschinen mit Synchronspindeln

- Für die Kernlochbearbeitung EX-SUS-GDS verwenden

UN(J)C

- 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

UN(J)C

- 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

UN(J)C

- Para aluminio, aceros inoxidables
- Para roscado $\geq 2 D$

- Desarrollados para máquinas CNC aptas para roscado rígido

- Para agujero previo use EX-SUS-GDS

AMÉRICAIN

- Pour inox et aluminium

- Profondeur de taraudage $\geq 2 D$
- Développé pour les machines CNC qui ont le "taraudage rigide"

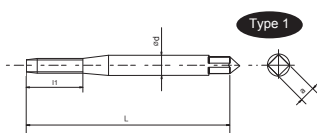
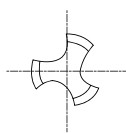
- Pour le trou pilote, utiliser OSG EX-SUS-GDS

UN(J)C

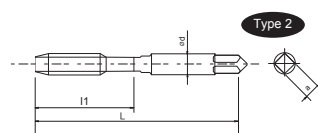
- Для алюминия и нержавеющей сталей
- Для резьб глубиной $\geq 2 D$

- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы

- Для пилотного отверстия используйте OSG EX-SUS-GDS



Type 1



Type 2

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

UNC

UNJC

HSSE

CrN

45°

ANSI 2B

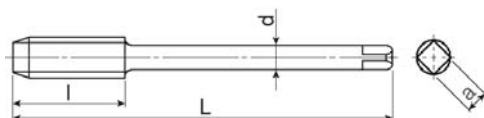
ANSI 3B

1-2,5-1

≥ 2D

≥ 2D

DIN 2183



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
○ 15-25 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

UNF

UNJF

HSSE

CrN

45°

ANSI 2B

ANSI 3B

1/2, 5/8

≥ 2D

≥ 2D

DIN 2182

HIGH PERFORMANCE

- 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

HIGH PERFORMANCE

- 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

HIGH PERFORMANCE

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

HIGH PERFORMANCE

- 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

ALTA PRESTAZIONE

- 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

ALTAS PRESTACIONES

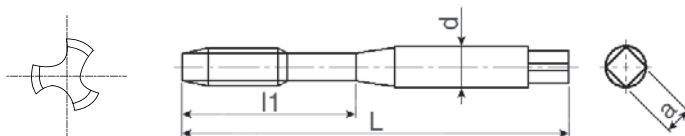
- Para aceros inoxidable y aluminio
- Para roscado $\geq 2D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

HAUTE PERFORMANCE

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

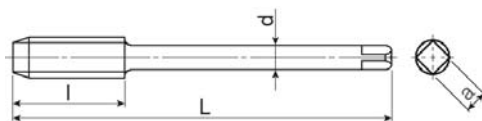
ANSI 3B

1/2, 5/8

≥ 2D

≥ 2D

DIN 2183



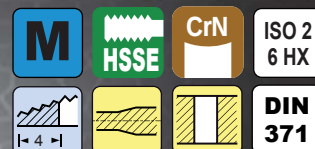
EDP	UN(J)F	P	L	l	d	a		Price
48032486	7/16	20	100	14	9	6,2		
48032491	1/2	20	100	15	9	7		
48032496	9/16	18	100	15	11	9		
48032504	5/8	18	100	17	12	9		
48032517	3/4	16	110	19	14	11		
48032528	7/8	14	125	21	18	14,5		
48032539	1	12	125	24	18	14,5		

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

C≤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			○ 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

METRISCH

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

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

MÉTRIQUE

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

METRISK

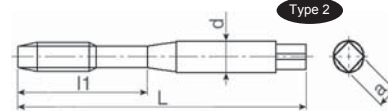
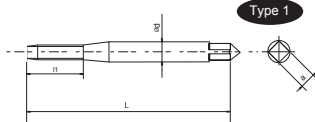
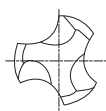
- För rostfritt stål och aluminium
- Utvecklat för CNC-maskiner som är utrustade med gängfunktion
- För pilot hål använd OSG EX-SUS-GDS

METRICO

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

МЕТРИЧЕСКИЙ

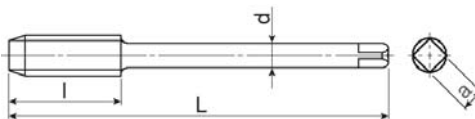
- Для нержавеющей сталей и алюминия
- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы
- Для пилотного отверстия используйте OSG EX-SUS-GDS



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
	○ 15-25 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								



Technical drawing of a bolt. The main view shows a bolt with a hexagonal head of length l and a shank of length L . The diameter of the shank is d . A cross-section view on the right shows the hexagonal head with a width s across the flats.

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		○ 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 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

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- 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

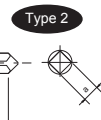
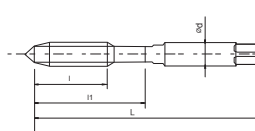
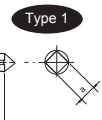
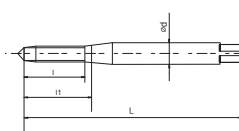
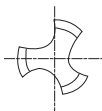
- Para aceros inoxidable y aluminio
- Para roscado $\geq 2 D$
- Desarrollados para máquinas CNC aptas para roscado rígido
- Para agujero previo use EX-SUS-GDS

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

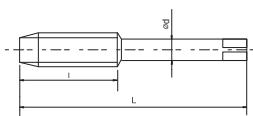
- Для нержавеющей сталей и алюминия
- Для резьб глубиной $\geq 2 D$
- Разработаны для ЧПУ станков имеющих циклы жесткой нарезки резьбы
- Для пилотного отверстия используйте OSG EX-SUS-GDS



EDP	M	P	L	I	I1	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



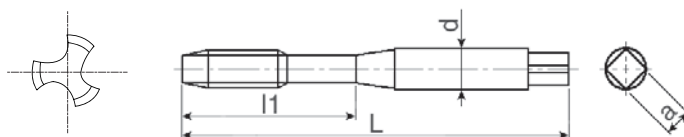
EDP	M	P	L	I	I1	d	a	Z	Price
48044179	12	1,75	110	16	-	11	9	4	

Applications - Anwendungen - Applicazioni - Applications - 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		○ 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								



- Разработаны для ЧПУ станков имеющих циклы есткой нарезки резьбы
- Для пилотного отверстия используйте OSG EX-SUS-GDS



Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Приложение

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