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

A-TAP SERIES

Volume 6

ECONOMICAL, HIGH QUALITY AND MULTI-PURPOSE TOOLS • ECONOMICAL, HIGH QUALITY AND MULTI-PURPOSE TOOLS •

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

1. Stabilize chip shape
   Sharp cutting edge
2. Accelerate chip evacuation
   Variable lead flute (PAT.)
3. High wear resistance
   V coating
4. High wear resistance
   Powder Metallurgy HSS (CPM)

ECONOMICAL, HIGH QUALITY AND MULTI-PURPOSE TOOLS

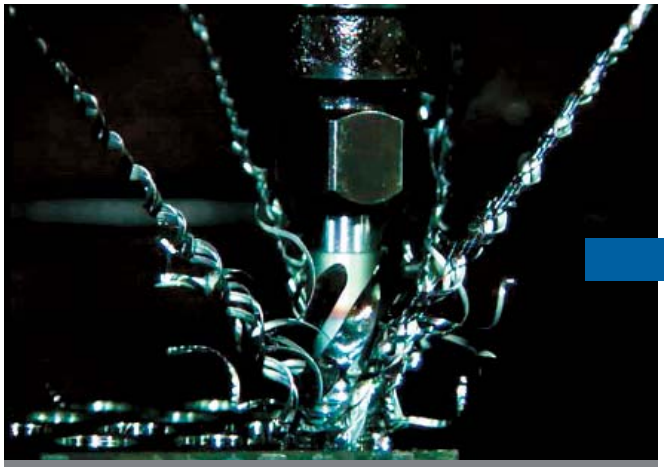
OSG's new premium brand "A-TAP Series"

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.

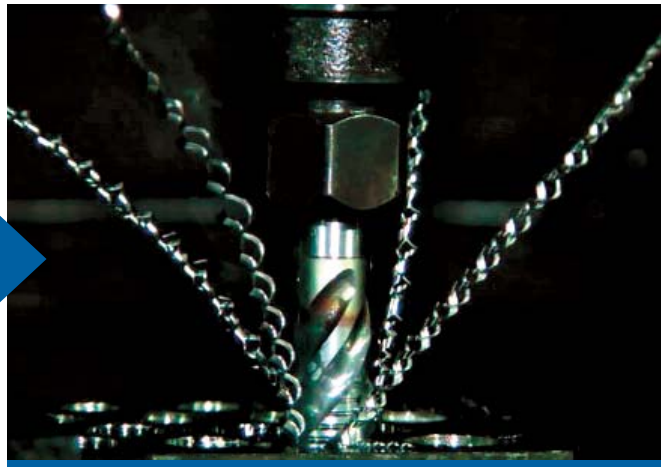
Tapping Troubles	
N°1 breakage and chipping	**26 %**
N°2 dimensional error	**17 %**
N°3 galling	**14 %**
Others	**43 %**

Main factor is chip packing

The biggest advantage of A-TAP Series:
The best chip evacuation



Conventional Tap



A-SFT

Key features A-TAP Series

1 Applies to a wide variety of work materials

Even to mild steel and stainless steel

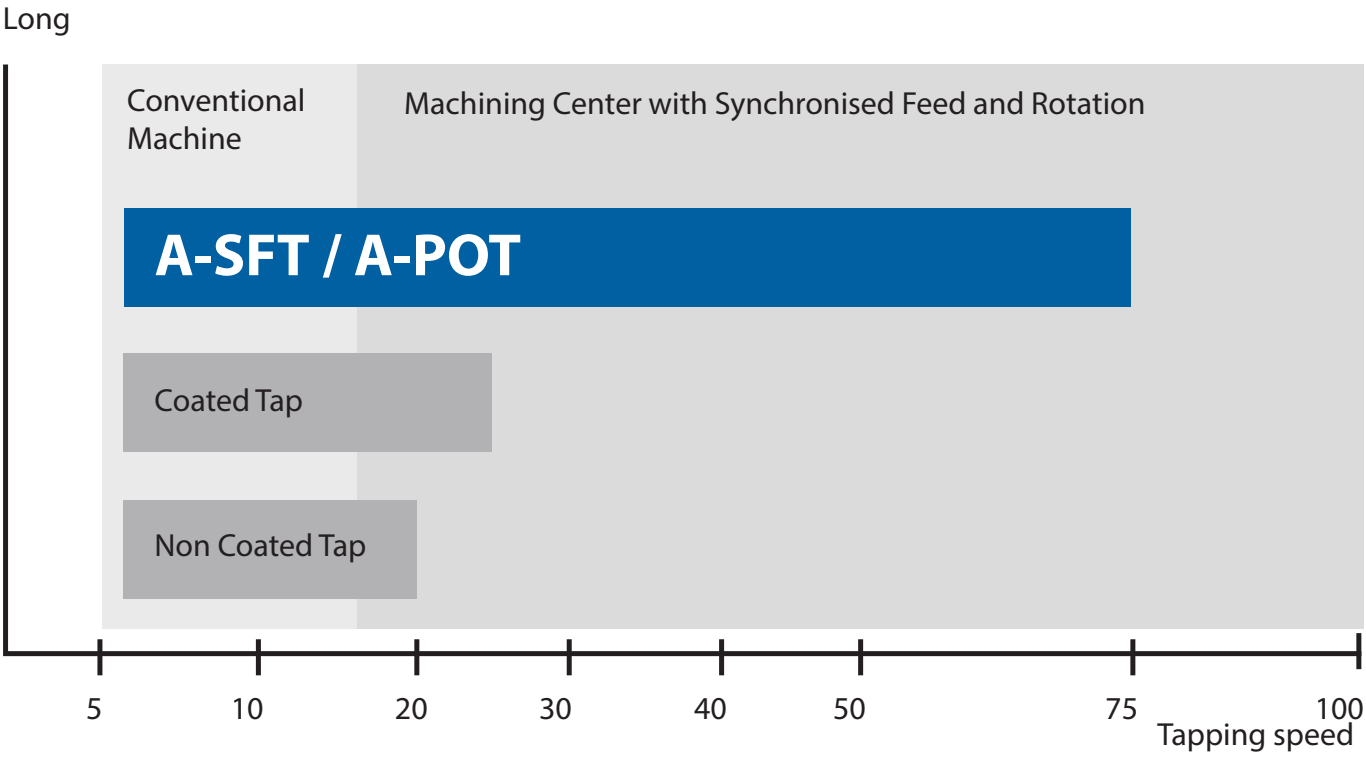
NO GALLING

Work material mild steel

Work material stainless steel

2 High performance in machining center

Applies to a wide cutting range



- 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.

Performance

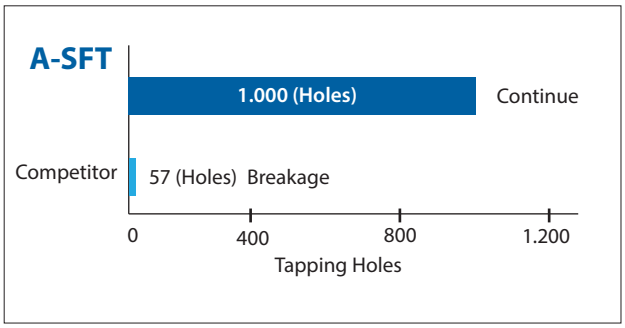
SUS304

■ Cutting edge after 1.000 holes tapping

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 Chrorine-Free (10%)
Machine	Vertical Synchronized Machining Center

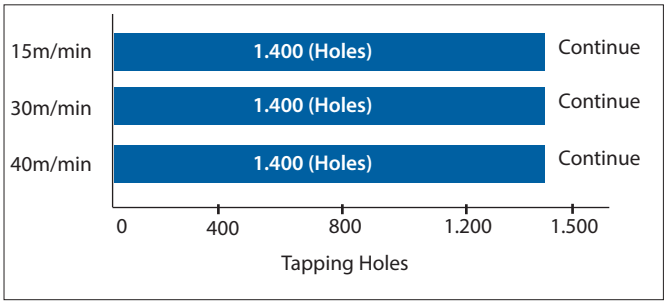


S45C

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 Chrorine-Free (10%)
Machine	Vertical Synchronized Machining Center



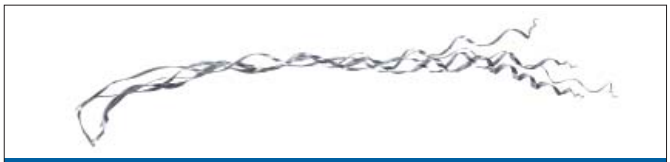
■ Cutting edge after 1.400 holes Tapping

15m/min

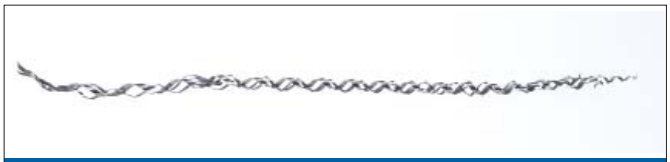
30m/min

40m/min

■ Chip generated in 40m/min



Conventional Tap



A-SFT

Icons

Icons	EN	DE	IT	FR	DA	SV	ES	RU	TR	PL
Material - Material - Materiale - Matière outil - Materiale - Material - Material - Обрабатываемый материал - Malzemesi - Materiał										
PM	Powder Metallurgy HSS (PM-T15) (Co5 + V5)	Pulvermetall HSS (PM-T15) (Co5 + V5)	Metallurgia delle polveri sinterizzate HSS	Métallurgie des poudres HSS	Pulvermetal HSS (PM-T15) (Co5 + V5)	PM: Pullver metall HSS (PM-T15) (Co5 + V5)	PM: HSS sinterizado HSS (PM-T15)	PM: порошковая металлургия HSS (PM-T15) (Co5 + V5)	Toz Metalurjisi Metalurjisi HSS (XPM) (Co10+V5)	Metalurgia proszków HSS (PM-T15) (Co5 + V5)
Coating - Beschichtung - Rivestimento - Revêtement - Belægning- Beläggning - Recubrimiento - Покрытие - Kaplama -Powłoka										
TIN	Coating Tin	Beschichtung TiN	Rivestimento TiN	Revêtement TiN	TiN Belægning	TiN: Beläggning med TiN	Recubrimiento TiN	Покрытие TiN	Tin Kaplama	Powłoka TiN
V	Multilayer coating TiCN	Mehrlagen-beschichtung TiCN	Multistrato composito TiCN	Revêtement multicouches TiCN	Multilayer belægning TiCN	Multilayer beläggning med TiCN	Recubrimiento TiCN, multicapa	многослойное покрытие TiCN	Çok katmanlı TiCN kaplama	Wielowarstwowa powłoka TiCN
OX	Steam Oxide	Dampfangelassen	Trattamento al vapore	Traitement vapeur	Damp oxideret	Ångoxiderad	Vaporizado	паровой оксид	Oksidasyon	Oksydowane
Helix Angle - Drallwinkel - Angolo d'elica - Angle d'hélice - Spiralvinkel - Spiral vinkel - Angulo de helice- Угол спирали - Helis açısı - Kąt spirali										
30°	Helix Angle	Helix Drall Winkel	Angolo d'elica	Angle d'hélice	Spiralvinkel	Spiral vinkel	Angulo de helice	Угол спирали	Helis açısı	Kąt spirali
Tool tolerance - Werkzeugtoleranz - Tolleranza del diametro - Tolérance outil - Værktøjs tolerance - Verktygs tolerans - Tolerancia de herramienta- точность инструмента - Takım toleransı - Tolerancja narzędzia										
ISO 2 6H	Tool tolerance	Werkzeug-toleranz	Tolleranza del diametro	Tolérance outil	Værktøjs tolerance	Verktygs tolerans	Tolerancia de herramienta	точность инструмента	Takım toleransı	Tolerancja narzędzia
Chamfer lead - Schälanschnitt - Imbocco - Entrée gun - Styrefas - Fas ingång - Chaflán de entrada - заходная фаска - Ağızlama boyu - zwoja nakroju										
E/1,5	1,5 pitch chamfer lead	1,5 Gang. Anschnittlänge	1,5 filetti	1,5 Entrée gun	1,5 x stigning på opløb	Fasingång 1,5 x stigning	Chaflán de entrada 1,5 pasos	заходная фаска 1.5 витка	Ağızlama boyu 1.5 hatve	1,5 zwoja nakroju
C/2,5	2,5 pitch chamfer lead	2,5 Gang. Anschnittlänge	2,5 filetti	2,5 Entrée gun	2,5 x stigning på opløb	Fasingång 2,5 x stigning	Chaflán de entrada 2,5 pasos	заходная фаска 2.5 витка	Ağızlama boyu 2.5 hatve	2,5 zwoja nakroju
B/4	4 pitch chamfer lead	4 Gang. Anschnittlänge	4 filetti	4 Entrée gun	4 x stigning på opløb	Fasingång 4 x stigning	Chaflán de entrada 4 pasos	заходная фаска 4 витка	Ağızlama boyu 4 hatve	4 zwoja nakroju
Shank - Schaft - Gambo - Queue - Skaft - Skaft - Mango- Хвостовик - Şaft - Chwyt										
h7	Shank diameter tolerance	Schaftdurchmesser Toleranz	Tolleranza del diametro del gambo	Tolérance du diamètre de queue	Skaft diameter tolerance	Tolerans på skaft diameter	Tolerancia en diametro de mango	точность диаметра хвостовика	Şaft çapı toleransı	Tolerancja średnicy chwytu
SHRINK FIT	All shanks are suitable for Hypro Shrink Fit system	Zum Einschrumpfen geeignet	Adatto al sistema di serraggio a caldo	Toutes les queues des fraises sont adaptées pour le sys. de frettage	Alle OSG skafter passer til Hypro krympe system	Alla skaft kan användas till OSG Hypro-krymp system	Todos los mangos de metal duro OSG son aptos para fijación térmica	хвостовики пригодны для Hypro термоваким-ной системы	Bütün şaftlar Hypro-Shrink Fit sistemi için uygundur	Wszystkie chwyty są odpowiednie dla systemu termokurczliwego
	Straight shank	Überlaufschaft	Gambo passante	Queue cylindrique	Lige skaft	Rakt skaft	Mango sencillo	Прямой хвостовик	Düz Şaft	Chwyt walcowy
	Reinforced shank	Verstärkter Schaft	Gambo rinforzato	Queue renforcée	Forstærket skaft	Förstärkt skaft	Mango reforzado	Усиленный хвостовик	Takviyeli şaft	Chwyt wzmocniony
Threading - Gewinde - Filettatura - Taraudage - Gevindskæring - Gängning - Roscado - Нарезка резьбы - Diş - Głębokość gwintu										
	For blind holes	Für Sacklöcher	Per fori ciechi	Pour trous borgnes	Til bundhuller	För bottenhål	Para agujeros ciegos	для глухих отверстий	Kör delikler için	Do otworów nieprzelotowych
	For through holes	Für Durchgangs-löcher	Per fori passanti	Pour trous débouchants	Til gennemgående huller	För genomgående hål	Para agujeros pasantes	для сквозных отверстий	Açık delikler için	Do otworów przelotowych
Internal cooling - Innere Kühlmittelzuführung - Con fori di lubrificazione centrali - Arosage central - Indvendig køling - Invädig spolning - Refrigeración interna - Внутреннее охлаждение - İçten soğutma - Chłodzenie wewętrzne										
	Through Coolant	Innere Kühlmit-telzuführung	Con fori di lubrificazione centrali	Arosage central	Indvendig køling	Invädig spolning	Refrigeración interna	внутреннее охлаждение	İçten soğutma	Chłodzenie wewętrzne
Standard DIN - Standard DIN - Standard DIN - Standard DIN - Standard DIN - Standard DIN - Estándar DIN - Стандартное для DIN - Standart DIN - Standard DIN										
DIN 371	Standard DIN	Standard DIN	Standard DIN	Standard DIN	Standard DIN	Standard DIN	Estándar DIN	Стандартное для DIN	Standart DIN	Standard DIN
DIN 1835	Weldon	Weldon Schaft	Weldon	Queue Weldon	Weldon skaft	Weldon	Mango Weldon	для Weldon	Weldon Şaftli	Weldon

A-SFT

M | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

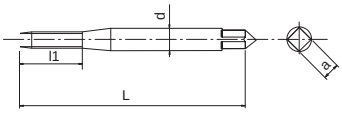
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

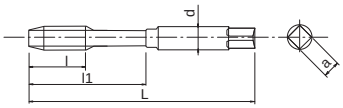
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych

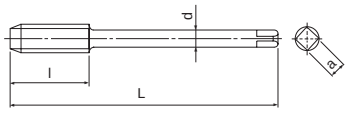


Type 1



Type 2

	EDP	M	P	L	l	l1	d	a	ZΔ	Type	Price
NEW SIZES	48139113	1,2	0,25	40	-	5	2,5	2,1	2	1	
NEW SIZES	48139115	1,4	0,3	40	-	6	2,5	2,1	2	1	
NEW SIZES	48139118	1,6	0,35	40	-	7	2,5	2,1	2	1	
NEW SIZES	48139119	1,7	0,35	40	-	8	2,5	2,1	2	1	
NEW SIZES	48139120	1,8	0,35	40	-	8	2,5	2,1	2	1	
	48139125	2	0,4	45	3,2	10	2,8	2,1	2	2	
NEW SIZES	48139127	2,2	0,45	45	3,6	11	2,8	2,1	2	2	
NEW SIZES	48139128	2,3	0,4	45	3,6	12	2,8	2,1	2	2	
	48139133	2,5	0,45	50	3,6	13	2,8	2,1	2	2	
NEW SIZES	48139136	2,6	0,45	50	3,6	13	2,8	2,1	2	2	
	48139138	3	0,5	56	4	18	3,5	2,7	3	2	
NEW SIZES	48139142	3,5	0,6	56	4,8	20	4	3	3	2	
	48139144	4	0,7	63	5,6	21	4,5	3,4	3	2	
NEW SIZES	48139147	4,5	0,75	70	6	25	6	4,9	3	2	
	48139149	5	0,8	70	6,4	25	6	4,9	3	2	
NEW SIZES	48139152	5,5	0,9	80	7,2	30	6	4,9	3	2	
	48139155	6	1	80	8	30	6	4,9	3	2	
NEW SIZES	48139158	7	1	80	8	30	7	5,5	3	2	
	48139161	8	1,25	90	10	35	8	6,2	3	2	
NEW SIZES	48139165	9	1,25	90	10	35	9	7	3	2	
	48139169	10	1,5	100	12	39	10	8	3	2	



M | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 376

	EDP	M	P	L	l	d	a	ZΔ	Price
NEW SIZES	48139139	3	0,5	56	4	2,2	-	3	
NEW SIZES	48139185	4	0,7	63	5,6	2,8	2,1	3	
NEW SIZES	48139150	5	0,8	70	6,4	3,5	2,7	3	
NEW SIZES	48139187	6	1	80	8	4,5	3,4	3	
NEW SIZES	48139159	7	1	80	8	5,5	4,3	3	
NEW SIZES	48139188	8	1,25	90	10	6	4,9	3	
NEW SIZES	48139166	9	1,25	90	10	7	5,5	3	
NEW SIZES	48139189	10	1,5	100	12	7	5,5	3	
NEW SIZES	48139175	11	1,5	100	12	8	6,2	3	
	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	
	48139214	18	2,5	125	25	14	11	4	
	48139228	20	2,5	140	25	16	12	4	
	48139238	22	2,5	140	25	18	14,5	4	
	48139247	24	3	160	30	18	14,5	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-OIL-SFT

M | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 371

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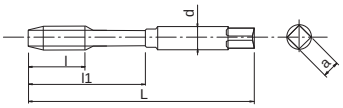
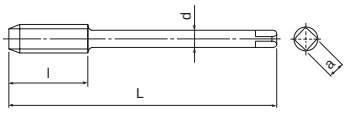


EDP	M	P	L	l	l1	d	a	ZΔ	Price
48140155	6	1	80	8	30	6	4,9	3	
48140161	8	1,25	90	10	35	8	6,2	3	
48140169	10	1,5	100	12	39	10	8	3	



M | PM | HSSE | V | 45° | ISO 2 6HX | C/2,5 | DIN 376

M27 ≤ D

	EDP	M	P	L	l	d	a	ZΔ	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	
	48140214	18	2,5	125	25	14	11	4	
	48140228	20	2,5	140	25	16	12	4	
	48140238	22	2,5	140	25	18	14,5	4	
	48140247	24	3	160	30	18	14,5	4	
NEW SIZES	48140262	27	3	160	36	20	16	4	
NEW SIZES	48140271	30	3,5	180	42	22	18	4	
NEW SIZES	48140281	33	3,5	180	42	25	20	4	
NEW SIZES	48140294	36	4	200	48	28	22	4	
NEW SIZES	48140304	39	4	200	48	32	24	4	
NEW SIZES	48140314	42	4,5	200	54	32	24	4	
NEW SIZES	48140319	45	4,5	220	54	36	29	4	
NEW SIZES	48140325	48	5	250	60	36	29	4	
NEW SIZES	48140337	52	5	250	60	40	32	4	
NEW SIZES	48140347	56	5,5	250	66	40	32	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT-6GX

M | PM | V | 45° | ISO 3 6GX | C/2,5 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

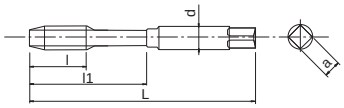
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

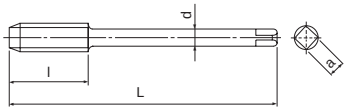
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



EDP	M	P	oversize	L	l	l1	d	a	ZΔ	Price
48201125	2	0,4	+0,019	45	3,2	10	2,8	2,1	2	
48201133	2,5	0,45	+0,020	50	3,6	13	2,8	2,1	2	
48201138	3	0,5	+0,020	56	4	18	3,5	2,7	3	
48201144	4	0,7	+0,022	63	5,6	21	4,5	3,4	3	
48201149	5	0,8	+0,024	70	6,4	25	6	4,9	3	
48201155	6	1	+0,026	80	8	30	6	4,9	3	
48201161	8	1,25	+0,028	90	10	35	8	6,2	3	
48201169	10	1,5	+0,032	100	12	39	10	8	3	



M | PM | V | 45° | ISO 3 6GX | C/2,5 | DIN 376

EDP	M	P	oversize	L	l	d	a	ZΔ	Price
48201179	12	1,75	+0,034	110	14	9	7	3	
48201202	16	2	+0,038	110	16	12	9	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT-7GX

M | PM | V | 45° | 7GX | C/2,5 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

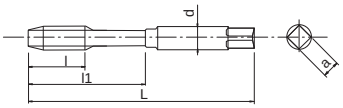
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

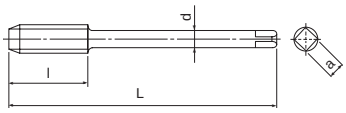
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych



EDP	M	P	oversize	L	l	l1	d	a	ZΔ	Price
48202125	2	0,4	+0,038	45	3,2	10	2,8	2,1	2	
48202133	2,5	0,45	+0,040	50	3,6	13	2,8	2,1	2	
48202138	3	0,5	+0,040	56	4	18	3,5	2,7	3	
48202144	4	0,7	+0,044	63	5,6	21	4,5	3,4	3	
48202149	5	0,8	+0,048	70	6,4	25	6	4,9	3	
48202155	6	1	+0,052	80	8	30	6	4,9	3	
48202161	8	1,25	+0,056	90	10	35	8	6,2	3	
48202169	10	1,5	+0,064	100	12	39	10	8	3	



M | PM | V | 45° | 7GX | C/2,5 | DIN 376

EDP	M	P	oversize	L	l	d	a	ZΔ	Price
48202179	12	1,75	+0,068	110	14	9	7	3	
48202202	16	2	+0,076	110	16	12	9	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT (FORM E)

M | PM | V | 45° | ISO 2 6HX | E/1,5 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

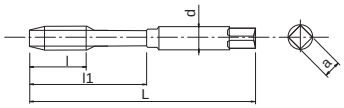
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

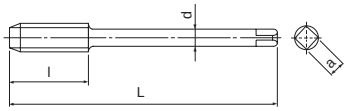
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych



EDP	M	P	L	l	l1	d	a	ZΔ	Price
48203138	3	0,5	56	4	18	3,5	2,7	3	
48203144	4	0,7	63	5,6	21	4,5	3,4	3	
48203149	5	0,8	70	6,4	25	6	4,9	3	
48203155	6	1	80	8	30	6	4,9	3	
48203161	8	1,25	90	10	35	8	6,2	3	
48203169	10	1,5	100	12	39	10	8	3	



M | PM | V | 45° | ISO 2 6HX | E/1,5 | DIN 376

EDP	M	P	L	l	d	a	ZΔ	Price
48203179	12	1,75	110	14	9	7	3	
48203191	14	2	110	16	11	9	3	
48203202	16	2	110	16	12	9	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT+0.1

M | PM | V | 45° | 6H +0,1 | C/2,5 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

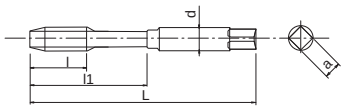
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

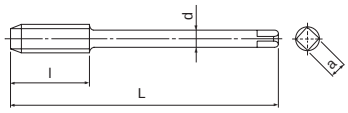
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych



EDP	M	P	L	l	l1	d	a	ZΔ	Price
48204138	3	0,5	56	4	18	3,5	2,7	3	
48204144	4	0,7	63	5,6	21	4,5	3,4	3	
48204149	5	0,8	70	6,4	25	6	4,9	3	
48204155	6	1	80	8	30	6	4,9	3	
48204161	8	1,25	90	10	35	8	6,2	3	
48204169	10	1,5	100	12	39	10	8	3	



M | PM | V | 45° | 6H +0,1 | C/2,5 | DIN 376

EDP	M	P	L	l	d	a	ZΔ	Price
48204179	12	1,75	110	14	9	7	3	
48204202	16	2	110	16	12	9	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-LT-SFT

M | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel
- Long shank
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål
- Langt skaft

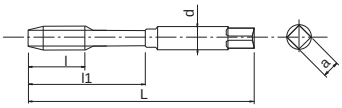
- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl
- Langt Schaft
- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål
- Långt skaft

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox
- Gambo lungo

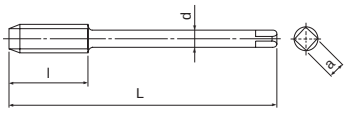
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables
- Mango larga

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox
- Queue longue
- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях
- Длинный хвостовик

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için
- Uzun şaft
- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych
- Długi chwyt



EDP	M	P	L	l	l1	d	a	ZΔ	Price
48208125	2	0,4	80	3,2	10	2,8	2,1	2	
48208133	2,5	0,45	100	3,6	13	2,8	2,1	2	
48208138	3	0,5	100	4	18	3,5	2,7	3	
48208144	4	0,7	125	5,6	21	4,5	3,4	3	
48208149	5	0,8	160	6,4	25	6	4,9	3	
48208155	6	1	160	8	30	6	4,9	3	
48208161	8	1,25	180	10	35	8	6,2	3	
48208169	10	1,5	200	12	39	10	8	3	



M | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 376

EDP	M	P	L	l	d	a	ZΔ	Price
48209155	6	1	160	10	4,5	3,4	3	
48209161	8	1,25	180	11	6	4,9	3	
48209169	10	1,5	200	14	7	5,5	3	
48209179	12	1,75	200	14	9	7	3	
48209191	14	2	200	16	11	9	3	
48209202	16	2	200	16	12	9	3	
48209214	18	2,5	200	25	14	11	4	
48209228	20	2,5	200	25	16	12	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT-LH

LH | M | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel
- Left hand
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål
- venstre

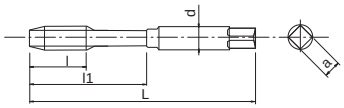
- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl
- Links
- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål
- vänster skärande

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox
- Sinistri

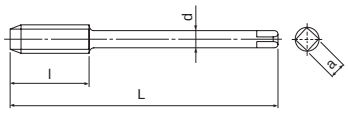
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables
- Mano izquierda

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox
- Coupe à gauche
- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях
- левая

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için
- Sol Helis
- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychinierdzewnych
- lewa ręka



NEW	EDP	M	P	L	l	l1	d	a	ZΔ	Price
	48217138	3	0,5	56	4	18	3,5	2,7	3	
	48217144	4	0,7	63	5,6	21	4,5	3,4	3	
	48217149	5	0,8	70	6,4	25	6	4,9	3	
	48217155	6	1	80	8	30	6	4,9	3	
	48217161	8	1,25	90	10	35	8	6,2	3	
	48217169	10	1,5	100	12	39	10	8	3	



LH | M | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 376

NEW	EDP	M	P	L	l	d	a	ZΔ	Price
	48217179	12	1,75	110	14	9	7	3	
	48217191	14	2	110	16	11	9	3	
	48217202	16	2	110	16	12	9	3	
	48217214	18	2,5	125	25	14	11	4	
	48217228	20	2,5	140	25	16	12	4	
	48217238	22	2,5	140	25	18	14,5	4	
	48217247	24	3	160	30	18	14,5	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT-HB

M | PM | V | 45° | ISO 2 6HX | C/2,5 | HB | DIN 371 | DIN 1835

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel
- Weldon
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål
- Weldon skaft

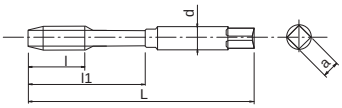
- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl
- Weldon Schaft
- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål
- Weldon

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox
- Weldon

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables
- Mango Weldon

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox
- Queue Weldon
- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях
- для Weldon

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için
- Weldon şaftlı
- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych
- Weldon



NEW	EDP	M	P	L	l	l1	d	a	ZΔ	Price
	48220138	3	0,5	56	4	18	6	4,9	3	
	48220144	4	0,7	63	5,6	21	6	4,9	3	
	48220149	5	0,8	70	6,4	25	6	4,9	3	
	48220155	6	1	80	8	30	6	4,9	3	
	48220161	8	1,25	90	10	35	8	6,2	3	
	48220169	10	1,5	100	12	39	10	8	3	

M | PM | V | 45° | ISO 2 6HX | C/2,5 | HB | DIN 371 | DIN 1835

NEW	EDP	M	P	L	l	l1	d	a	ZΔ	Price
	48220179	12	1,75	110	14	46	12	9	3	
	48220191	14	2	110	16	49	14	11	3	
	48220202	16	2	110	16	56	16	12	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT

MF | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 371

Metric Fine

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

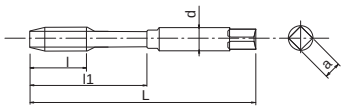
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

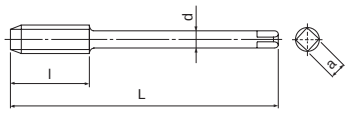
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW	EDP	MF	P	L	l	l1	d	a	ZΔ	Price
	48139135	2,5	0,35	50	3,6	13	2,8	2,1	2	
	48139137	2,6	0,35	50	3,6	13	2,8	2,1	2	
	48139141	3	0,35	56	4	18	3,5	2,7	3	
	48139143	3,5	0,35	56	4,8	20	4	3	3	
	48139145	4	0,5	63	5,6	21	4,5	3,4	3	
	48139146	4	0,35	63	5,6	21	4,5	3,4	3	
	48139148	4,5	0,5	70	6	25	6	4,9	3	
	48139151	5	0,5	70	6,4	25	6	4,9	3	
	48139601	6	0,75	80	8	30	6	4,9	3	
	48139602	6	0,5	80	8	30	6	4,9	3	
	48139160	7	0,75	80	8	30	7	5,5	3	
	48139603	8	1	90	10	35	8	6,2	3	
	48139604	8	0,75	80	10	35	8	6,2	3	
	48139605	9	1	90	10	35	9	7	3	
	48139606	10	1,25	100	12	39	10	8	3	
	48139607	10	1	90	12	35	10	8	3	
	48139608	10	0,75	90	12	35	10	8	3	



MF | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 374

NEW	EDP	MF	P	L	l	d	a	ZΔ	Price
	48139156	6	0,75	80	8	4,5	3,4	3	
	48139157	6	0,5	80	8	4,5	3,4	3	
	48139162	8	1	90	10	6	4,9	3	
	48139163	8	0,75	80	8	6	4,9	3	
	48139167	9	1	90	10	7	5,5	3	
	48139170	10	1,25	100	12	7	5,5	3	
	48139171	10	1	90	10	7	5,5	3	
	48139172	10	0,75	90	10	7	5,5	3	
	48139176	11	1	90	12	8	6,2	3	
	48139180	12	1,5	100	14	9	7	3	
	48139181	12	1,25	100	12	9	7	3	
	48139182	12	1	100	12	9	7	3	
	48139192	14	1,5	100	16	11	9	3	
	48139193	14	1,25	100	16	11	9	3	
	48139194	14	1	100	16	11	9	3	
	48139203	16	1,5	100	16	12	9	3	
	48139204	16	1	100	16	12	9	3	
	48139216	18	1,5	110	16	14	11	4	
	48139218	18	1	110	16	14	11	4	
	48139220	20	2	140	25	16	12	4	
	48139230	20	1,5	125	16	16	12	4	
	48139232	20	1	125	16	16	12	4	
	48139239	22	2	140	25	18	14,5	4	
	48139240	22	1,5	125	16	18	14,5	4	
	48139241	22	1	125	16	18	14,5	4	
	48139249	24	2	140	30	18	14,5	4	
	48139250	24	1,5	140	16	18	14,5	4	
	48139251	24	1	140	16	18	14,5	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-OIL-SFT

MF | PM | V | 45° | ISO 2 6HX | C/2,5 | DIN 374

Metric Fine

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

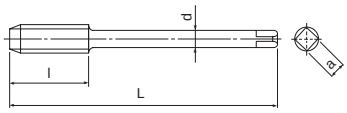
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW	EDP	MF	P	L	l	d	a	ZΔ	Price
	48140162	8	1	90	10	6	4,9	3	
	48140171	10	1	90	10	7	5,5	3	
	48140170	10	1,25	100	12	7	5,5	3	
	48140180	12	1,5	100	14	9	7	3	
	48140192	14	1,5	100	16	11	9	3	
	48140203	16	1,5	100	16	12	9	3	
	48140216	18	1,5	110	16	14	11	4	
	48140230	20	1,5	125	16	16	12	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT-6GX

MF | PM | V | 45° | ISO 3 6GX | C/2,5 | DIN 374

Metric Fine

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

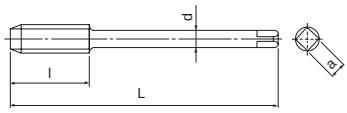
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW	EDP	MF	P	oversize	L	l	d	a	ZΔ	Price
	48201156	6	0,75	+0,022	80	8	4,5	3,4	3	
	48201162	8	1	+0,026	90	10	6	4,9	3	
	48201163	8	0,75	+0,022	80	8	6	4,9	3	
	48201170	10	1,25	+0,028	100	12	7	5,5	3	
	48201171	10	1	+0,026	90	10	7	5,5	3	
	48201180	12	1,5	+0,032	100	14	9	7	3	
	48201181	12	1,25	+0,028	100	12	9	7	3	
	48201182	12	1	+0,026	100	12	9	7	3	
	48201192	14	1,5	+0,032	100	16	11	9	3	
	48201203	16	1,5	+0,032	100	16	12	9	3	
	48201216	18	1,5	+0,032	110	16	14	11	4	
	48201230	20	1,5	+0,032	125	16	16	12	4	
	48201240	22	1,5	+0,032	125	16	18	14,5	4	
	48201250	24	1,5	+0,032	140	16	18	14,5	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT

UNC | PM | V | 45° | ANSI 2BX | C/2,5 | DIN 2184-1

UNC

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

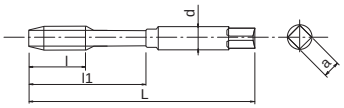
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

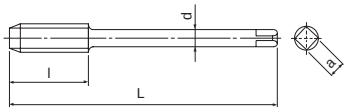
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



	EDP	UNC	P	L	l	l1	d	a	ZΔ	Price
NEW SIZES	48139453	2	56	45	3,6	11	2,8	2,1	2	
NEW SIZES	48139455	3	48	50	3,6	13	2,8	2,1	2	
	48139457	4	40	56	5,1	18	3,5	2,7	2	
	48139459	5	40	56	5,1	18	3,5	2,7	2	
	48139461	6	32	56	6,4	20	4	3	2	
	48139464	8	32	63	6,4	21	4,5	3,4	2	
	48139466	10	24	70	8,5	25	6	4,9	2	
NEW SIZES	48139468	12	24	80	8,5	30	6	4,9	2	
	48139471	1/4	20	80	10,2	30	7	5,5	2	
	48139474	5/16	18	90	11,3	35	8	6,2	3	
	48139479	3/8	16	100	12,7	39	10	8	3	



UNC | PM | V | 45° | ANSI 2BX | C/2,5 | DIN 2184-1

	EDP	UNC	P	L	l	d	a	ZΔ	Price
	48139484	7/16	14	100	14,5	8	6,2	3	
	48139489	1/2	13	110	15,6	9	7	3	
NEW SIZES	48139494	9/16	12	110	16,9	11	9	3	
	48139501	5/8	11	110	18,5	12	9	3	
	48139515	3/4	10	125	25,4	14	11	4	
	48139526	7/8	9	140	28,2	18	14,5	4	
	48139538	1	8	160	31,8	18	14,5	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT

UNF | PM | V | 45° | ANSI 2BX | C/2,5 | DIN 2184-1

UNF

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

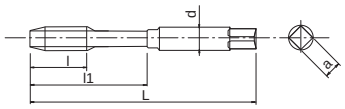
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

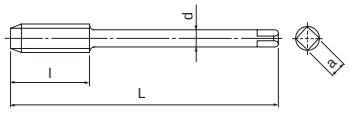
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych



	EDP	UNF	P	L	l	l1	d	a	ZΔ	Price
NEW SIZES	48139454	2	64	45	3,6	11	2,8	2,1	2	
NEW SIZES	48139456	3	56	50	3,6	13	2,8	2,1	2	
NEW SIZES	48139458	4	48	56	5,1	18	3,5	2,7	2	
NEW SIZES	48139460	5	44	56	5,1	18	3,5	2,7	2	
	48139462	6	40	56	6,4	20	4	3	2	
NEW SIZES	48139465	8	36	63	6,4	21	4,5	3,4	2	
	48139467	10	32	70	8,5	25	6	4,9	2	
NEW SIZES	48139469	12	28	80	8,5	30	6	4,9	2	
	48139472	1/4	28	80	10,2	30	7	5,5	2	
	48139476	5/16	24	90	11,3	35	8	6,2	3	
	48139481	3/8	24	90	12,7	35	10	8	3	



UNF | PM | V | 45° | ANSI 2BX | C/2,5 | DIN 2184-1

	EDP	UNF	P	L	l	d	a	ZΔ	Price
	48139486	7/16	20	100	14,5	8	6,2	3	
	48139491	1/2	20	100	15,6	9	7	3	
NEW SIZES	48139496	9/16	18	100	16,9	11	9	3	
	48139504	5/8	18	100	18,5	12	9	3	
	48139517	3/4	16	110	25,4	14	11	4	
	48139528	7/8	14	125	28,2	18	14,5	4	
	48139539	1	12	140	31,8	18	14,5	4	

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Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT

BSW PM V MED C/2,5 DIN 2184-1

BSW

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

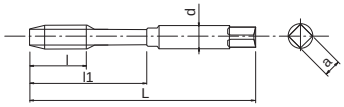
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych



NEW	EDP	BSW	TPI	L	l	l1	d	a	ZΔ	Price
	48139702	1/8	40	56	7	18	3,5	2,7	3	
	48139704	3/16	24	70	10	25	6	4,9	3	
	48139706	1/4	20	80	13	30	7	5,5	3	
	48139707	5/16	18	90	14	35	8	6,2	3	
	48139708	3/8	16	100	16	39	10	8	3	
	48139709	7/16	14	100	22	-	8	6,2	3	
	48139710	1/2	12	110	25	-	9	7	3	
	48139712	5/8	11	110	27	-	12	9	3	
	48139713	3/4	10	125	30	-	14	11	3	
	48139714	7/8	9	140	32	-	18	14,5	3	
	48139715	1	8	160	36	-	18	14,5	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-SFT

BSF

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

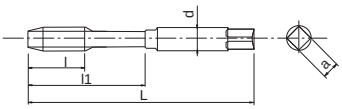
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW	EDP	BSF	P	L	l	l1	d	a	ZΔ	Price
	48139731	1/4	26	80	17	30	7	5,5	3	
	48139732	5/16	22	90	17	35	8	6,2	3	
	48139733	3/8	20	100	18	39	10	8	3	
	48139734	7/16	18	100	22	-	8	6,2	3	
	48139735	1/2	16	100	22	-	9	7	3	
	48139737	5/8	14	110	27	-	12	9	3	
	48139739	3/4	12	125	27	-	14	11	3	
	48139742	1	10	160	36	-	18	14,5	3	

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Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

BA

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

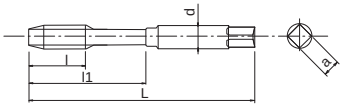
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



EDP	BA	L	l	l1	d	a	ZΔ	Price
48139910	0	66	19	30	6,3	5	3	
48139911	1	62	17	26	5,6	4,5	3	
48139912	2	58	16	25	5	4	3	
48139913	3	53	13	21	4,5	3,55	2	
48139914	4	50	13	20	3,55	2,8	2	
48139915	5	48	11	18	3,15	2,5	2	
48139916	6	44,5	9,5	-	2,8	2,24	2	
48139917	7	44,5	9,5	-	2,8	2,24	2	
48139918	8	44,5	9,5	-	2,8	2,24	2	
48139919	9	41	8	-	2,5	2	2	
48139920	10	41	8	-	2,5	2	2	
48139921	11	41	8	-	2,5	2	2	
48139922	12	40	7	-	2,5	2	2	

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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	

A-SFT

G | PM | V | 45° | C/2,5 | DIN 5156

G (BSP)

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

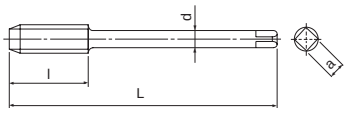
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



EDP	G	P	L	l	d	a	ZΔ	Price
48139900	1/8	28	90	20	7	5,5	3	
48139000	1/4	19	100	22	11	9	3	
48139100	3/8	19	100	22	12	9	4	
48139200	1/2	14	125	25	16	12	4	
48139300	5/8	14	125	25	18	14,5	4	
48139400	3/4	14	140	28	20	16	4	
48139500	7/8	14	150	28	22	18	4	
48139600	1	11	160	30	25	20	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-TPT

RC (BSPT)

- Tapered 1:16
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- Kegelform 1:16
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Conicità 1:16
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Conicité 1:16
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Konik 1:16
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

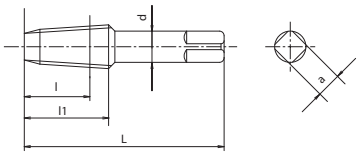
- Konicitet 1:16
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- Konisk 1:16
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Conicidad 1:16
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Уклон 1:16
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Stożek 1:16
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW	EDP	RC	P	L	l1	d	a	ZΔ	Price
	48212384	1/8	28	90	15	7	5,5	4	
	48212394	1/4	19	100	19	11	9	4	
	48212404	3/8	19	110	21	12	9	4	
	48212414	1/2	14	125	26	16	12	4	
	48212434	3/4	14	140	28	20	16	4	
	48212454	1	11	160	33	25	20	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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
◎ 5~10 m/min	◎ 5~10 m/min	◎ 5~10 m/min	◎ 5~10 m/min									
Cu	BS	BsC	PB	Al	AC,ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
◯ 5~10 m/min	◯ 5~10 m/min	◯ 5~10 m/min	◯ 5~10 m/min	◯ 5~10 m/min	◯ 10~15 m/min	◯ 10~15 m/min	◯ 10~15 m/min				◯ 10~15 m/min	

A-POT

M | PM | V | ISO 2 6HX | B/4 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

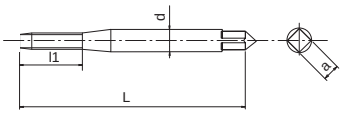
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

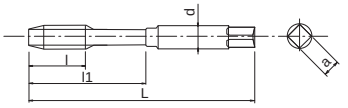
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych

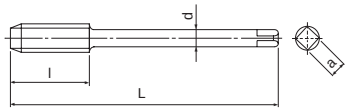


Type 1



Type 2

	EDP	M	P	L	l	l1	d	a	ZΔ	Type	Price
NEW SIZES	48145113	1,2	0,25	40	-	5	2,5	2,1	2	1	
NEW SIZES	48145115	1,4	0,3	40	-	7	2,5	2,1	2	1	
NEW SIZES	48145118	1,6	0,35	40	-	8	2,5	2,1	2	1	
NEW SIZES	48145119	1,7	0,35	40	-	8	2,5	2,1	2	1	
NEW SIZES	48145120	1,8	0,35	40	-	8	2,5	2,1	2	1	
	48145125	2	0,4	45	-	8	2,8	2,1	2	1	
NEW SIZES	48145127	2,2	0,45	45	-	9	2,8	2,1	2	1	
NEW SIZES	48145128	2,3	0,4	45	-	9	2,8	2,1	2	1	
	48145133	2,5	0,45	50	-	9	2,8	2,1	2	1	
NEW SIZES	48145136	2,6	0,45	50	-	9	2,8	2,1	2	1	
	48145138	3	0,5	56	11	18	3,5	2,7	3	2	
NEW SIZES	48145142	3,5	0,6	56	12	20	4	3	3	2	
	48145144	4	0,7	63	13	21	4,5	3,4	3	2	
NEW SIZES	48145147	4,5	0,75	70	16	25	6	4,9	3	2	
	48145149	5	0,8	70	16	25	6	4,9	3	2	
NEW SIZES	48145152	5,5	0,9	80	17	30	6	4,9	3	2	
	48145155	6	1	80	19	30	6	4,9	3	2	
NEW SIZES	48145158	7	1	80	19	30	7	5,5	3	2	
	48145161	8	1,25	90	22	35	8	6,2	3	2	
NEW SIZES	48145165	9	1,25	90	22	35	9	7	3	2	
	48145169	10	1,5	100	24	39	10	8	3	2	



M | PM | V | ISO 2 6HX | B/4 | DIN 376

	EDP	M	P	L	l	d	a	ZΔ	Price
NEW SIZES	48145139	3	0,5	56	11	2,2	-	3	
NEW SIZES	48145185	4	0,7	63	13	2,8	2,1	3	
NEW SIZES	48145150	5	0,8	70	16	3,5	2,7	3	
NEW SIZES	48145187	6	1	80	19	4,5	3,4	3	
NEW SIZES	48145159	7	1	80	19	5,5	4,3	3	
NEW SIZES	48145188	8	1,25	90	22	6	4,9	3	
NEW SIZES	48145166	9	1,25	90	22	7	5,5	3	
NEW SIZES	48145189	10	1,5	100	24	7	5,5	3	
NEW SIZES	48145175	11	1,5	100	24	8	6,2	3	
	48145179	12	1,75	110	28	9	7	3	
	48145191	14	2	110	30	11	9	3	
	48145202	16	2	110	32	12	9	3	
	48145214	18	2,5	125	34	14	11	3	
	48145228	20	2,5	140	34	16	12	3	
	48145238	22	2,5	140	34	18	14,5	3	
	48145247	24	3	160	38	18	14,5	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-OIL-POT

M | PM | V | ISO 2 6HX | B/4 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

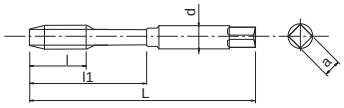
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

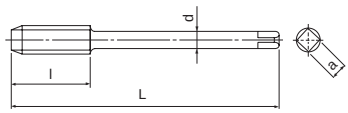
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych



NEW	EDP	M	P	L	l	l1	d	a	ZΔ	Price
	48214155	6	1	80	19	30	6	4,9	3	
	48214161	8	1,25	90	22	35	8	6,2	3	
	48214169	10	1,5	100	24	39	10	8	3	



M | PM | V | ISO 2 6HX | B/4 | DIN 376

NEW	EDP	M	P	L	l	d	a	ZΔ	Price
	48214179	12	1,75	110	28	9	7	3	
	48214191	14	2	110	30	11	9	3	
	48214202	16	2	110	32	12	9	3	
	48214214	18	2,5	125	34	14	11	3	
	48214228	20	2,5	140	34	16	12	3	
	48214238	22	2,5	140	34	18	14,5	3	
	48214247	24	3	160	38	18	14,5	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-POT-6GX

M | PM | V | ISO 3 6GX | B/4 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

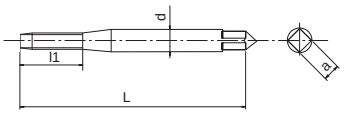
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

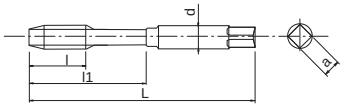
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych

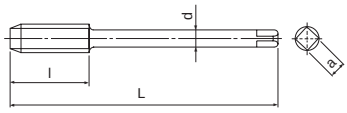


Type 1



Type 2

EDP	M	P	oversize	L	l	l1	d	a	ZΔ	Type	Price
48205125	2	0,4	+0,019	45	-	8	2,8	2,1	2	1	
48205133	2,5	0,45	+0,020	50	-	9	2,8	2,1	2	1	
48205138	3	0,5	+0,020	56	11	18	3,5	2,7	3	2	
48205144	4	0,7	+0,022	63	13	21	4,5	3,4	3	2	
48205149	5	0,8	+0,024	70	16	25	6	4,9	3	2	
48205155	6	1	+0,026	80	19	30	6	4,9	3	2	
48205161	8	1,25	+0,028	90	22	35	8	6,2	3	2	
48205169	10	1,5	+0,032	100	24	39	10	8	3	2	



M | PM | V | ISO 3 6GX | B/4 | DIN 376

EDP	M	P	oversize	L	l	d	a	ZΔ	Price
48205179	12	1,75	+0,034	110	28	9	7	3	
48205202	16	2	+0,038	110	32	12	9	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-POT-7GX

M | PM | V | 7GX | B/4 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

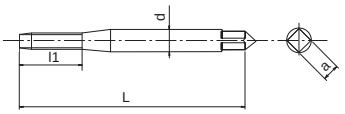
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

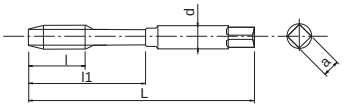
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych

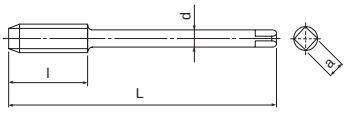


Type 1



Type 2

EDP	M	P	oversize	L	l	l1	d	a	ZΔ	Type	Price
48206125	2	0,4	+0,038	45	-	8	2,8	2,1	2	1	
48206133	2,5	0,45	+0,040	50	-	9	2,8	2,1	2	1	
48206138	3	0,5	+0,040	56	11	18	3,5	2,7	3	2	
48206144	4	0,7	+0,044	63	13	21	4,5	3,4	3	2	
48206149	5	0,8	+0,048	70	16	25	6	4,9	3	2	
48206155	6	1	+0,052	80	19	30	6	4,9	3	2	
48206161	8	1,25	+0,056	90	22	35	8	6,2	3	2	
48206169	10	1,5	+0,064	100	24	39	10	8	3	2	



M | PM | V | 7GX | B/4 | DIN 376

EDP	M	P	oversize	L	l	d	a	ZΔ	Price
48206179	12	1,75	+0,068	110	14	28	7	3	
48206202	16	2	+0,076	110	16	32	9	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

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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	

A-POT+0.1

M | PM | V | 6H +0,1 | B/4 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

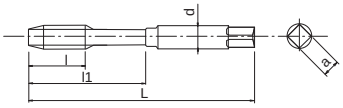
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

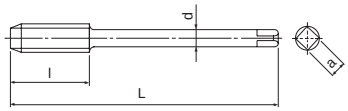
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



	EDP	M	P	L	l	l1	d	a	ZΔ	Price
NEW	48259138	3	0,5	56	11	18	3,5	2,7	3	
NEW	48259144	4	0,7	63	13	21	4,5	3,4	3	
NEW	48259149	5	0,8	70	16	25	6	4,9	3	
NEW	48259155	6	1	80	19	30	6	4,9	3	
NEW	48259161	8	1,25	90	22	35	8	6,2	3	
NEW	48259169	10	1,5	100	24	39	10	8	3	



M | PM | V | 6H +0,1 | B/4 | DIN 376

	EDP	M	P	L	l	d	a	ZΔ	Price
NEW	48259179	12	1,75	110	28	9	7	3	
NEW	48259202	16	2	110	32	12	9	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-LT-POT

M | PM | V | ISO 2 6HX | B/4 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel
- Long shank
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål
- Langt skaft

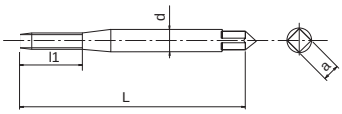
- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl
- Langt Schaft
- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål
- Långt skaft

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox
- Gambo lungo

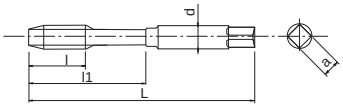
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables
- Mango larga

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox
- Queue longue
- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях
- Длинный хвостовик

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için
- Uzun şaft
- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych
- Długi chwyt

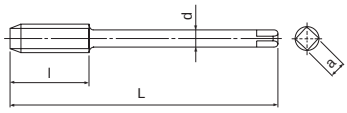


Type 1



Type 2

EDP	M	P	L	l	l1	d	a	ZΔ	Type	Price
48210125	2	0,4	80	8	-	2,8	2,1	2	1	
48210133	2,5	0,45	100	9	-	2,8	2,1	2	1	
48210138	3	0,5	100	11	18	3,5	2,7	3	2	
48210144	4	0,7	125	13	21	4,5	3,4	3	2	
48210149	5	0,8	160	16	25	6	4,9	3	2	
48210155	6	1	160	19	30	6	4,9	3	2	
48210161	8	1,25	180	22	35	8	6,2	3	2	
48210169	10	1,5	200	24	39	10	8	3	2	



M | PM | V | ISO 2 6HX | B/4 | DIN 376

EDP	M	P	L	l	d	a	ZΔ	Price
48211155	6	1	160	19	4,5	3,4	3	
48211161	8	1,25	180	22	6	4,9	3	
48211169	10	1,5	200	24	7	5,5	3	
48211179	12	1,75	200	28	9	7	3	
48211191	14	2	200	30	11	9	3	
48211202	16	2	200	32	12	9	3	
48211214	18	2,5	200	34	14	11	3	
48211228	20	2,5	200	34	16	12	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-POT-LH

LH | M | PM | V | ISO 2 6HX | B/4 | DIN 371

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel
- Left hand
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål
- venstre

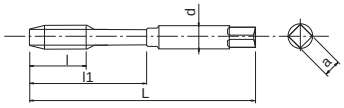
- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl
- Links
- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål
- vänster skärande

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox
- Sinistri

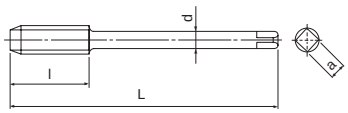
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables
- Mano izquierda

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox
- Coupe à gauche
- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях
- левая

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için
- Sol Helis
- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych
- lewa ręka



NEW	EDP	M	P	L	l	l1	d	a	ZΔ	Price
	48218138	3	0,5	56	11	18	3,5	2,7	3	
	48218144	4	0,7	63	13	21	4,5	3,4	3	
	48218149	5	0,8	70	16	25	6	4,9	3	
	48218155	6	1	80	19	30	6	4,9	3	
	48218161	8	1,25	90	22	35	8	6,2	3	
	48218169	10	1,5	100	24	39	10	8	3	



LH | M | PM | V | ISO 2 6HX | B/4 | DIN 376

NEW	EDP	M	P	L	l	d	a	ZΔ	Price
	48218179	12	1,75	110	28	9	7	3	
	48218191	14	2	110	30	11	9	3	
	48218202	16	2	110	32	12	9	3	
	48218214	18	2,5	125	34	14	11	3	
	48218228	20	2,5	140	34	16	12	3	
	48218238	22	2,5	140	34	18	14,5	3	
	48218247	24	3	160	38	18	14,5	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-POT-HB

M | PM | V | ISO 2 6HX | B/4 | HB | DIN 371 | DIN 1835

Metric

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel
- Weldon
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål
- Weldon skaft

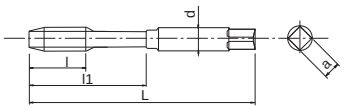
- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl
- Weldon Schaft
- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål
- Weldon

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox
- Weldon

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables
- Mango Weldon

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox
- Queue Weldon
- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях
- для Weldon

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için
- Weldon şaftlı
- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych
- Weldon



NEW	EDP	M	P	L	l	l1	d	a	ZΔ	Price
	48221138	3	0,5	56	11	18	6	4,9	3	
	48221144	4	0,7	63	13	21	6	4,9	3	
	48221149	5	0,8	70	16	25	6	4,9	3	
	48221155	6	1	80	19	30	6	4,9	3	
	48221161	8	1,25	90	22	35	8	6,2	3	
	48221169	10	1,5	100	24	39	10	8	3	

M | PM | V | ISO 2 6HX | B/4 | HB | DIN 371 | DIN 1835

NEW	EDP	M	P	L	l	l1	d	a	ZΔ	Price
	48221179	12	1,75	110	28	46	12	9	3	
	48221191	14	2	110	30	49	14	11	3	
	48221202	16	2	110	32	56	16	12	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

MF | PM | V | ISO 2 6HX | B/4 | DIN 371

Metric Fine

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

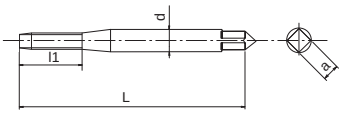
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

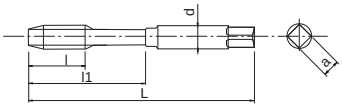
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych

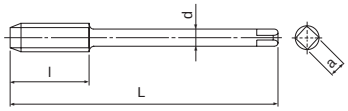


Type 1



Type 2

NEW	EDP	MF	P	L	l	l1	d	a	ZΔ	Type	Price
	48145135	2,5	0,35	50	-	9	2,8	2,1	2	1	
	48145137	2,6	0,35	50	-	9	2,8	2,1	2	1	
	48145141	3	0,35	56	8	18	3,5	2,7	3	2	
	48145143	3,5	0,35	56	9	20	4	3	3	2	
	48145145	4	0,5	63	10	21	4,5	3,4	3	2	
	48145146	4	0,35	63	10	21	4,5	3,4	3	2	
	48145148	4,5	0,5	70	12	25	6	4,9	3	2	
	48145151	5	0,5	70	12	25	6	4,9	3	2	
	48145601	6	0,75	80	14	30	6	4,9	3	2	
	48145602	6	0,5	80	14	30	6	4,9	3	2	
	48145160	7	0,75	80	14	30	7	5,5	3	2	
	48145603	8	1	90	22	35	8	6,2	3	2	
	48145604	8	0,75	80	18	30	8	6,2	3	2	
	48145605	9	1	90	22	35	9	7	3	2	
	48145606	10	1,25	100	24	39	10	8	3	2	
	48145607	10	1	90	20	35	10	8	3	2	
	48145608	10	0,75	90	20	35	10	8	3	2	



MF | PM | V | ISO 2 6HX | B/4 | DIN 374

	EDP	MF	P	L	l	d	a	ZΔ	Price
	48145156	6	0,75	80	14	4,5	3,4	3	
NEW SIZES	48145157	6	0,5	80	14	4,5	3,4	3	
	48145162	8	1	90	22	6	4,9	3	
	48145163	8	0,75	80	18	6	4,9	3	
NEW SIZES	48145167	9	1	90	22	7	5,5	3	
	48145170	10	1,25	100	24	7	5,5	3	
	48145171	10	1	90	20	7	5,5	3	
NEW SIZES	48145172	10	0,75	90	20	7	5,5	3	
NEW SIZES	48145176	11	1	90	20	8	6,2	3	
	48145180	12	1,5	100	22	9	7	3	
	48145181	12	1,25	100	22	9	7	3	
	48145182	12	1	100	22	9	7	3	
	48145192	14	1,5	100	22	11	9	4	
NEW SIZES	48145193	14	1,25	100	22	11	9	4	
NEW SIZES	48145194	14	1	100	22	11	9	4	
	48145203	16	1,5	100	22	12	9	4	
NEW SIZES	48145204	16	1	100	22	12	9	4	
	48145216	18	1,5	110	25	14	11	4	
NEW SIZES	48145218	18	1	110	25	14	11	4	
NEW SIZES	48145220	20	2	140	34	16	12	4	
	48145230	20	1,5	125	25	16	12	4	
NEW SIZES	48145232	20	1	125	25	16	12	4	
NEW SIZES	48145239	22	2	140	34	18	14,5	4	
	48145240	22	1,5	125	25	18	14,5	4	
NEW SIZES	48145241	22	1	125	25	18	14,5	4	
NEW SIZES	48145249	24	2	140	28	18	14,5	4	
	48145250	24	1,5	140	28	18	14,5	4	
NEW SIZES	48145251	24	1	140	28	18	14,5	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-OIL-POT

MF | PM | V | ISO 2 6HX | B/4 | DIN 374

Metric Fine

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

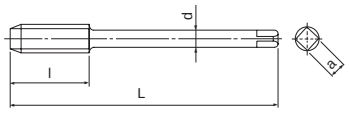
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW	EDP	MF	P	L	l	d	a	ZΔ	Price
	48214162	8	1	90	22	6	4,9	3	
	48214171	10	1	90	20	7	5,5	3	
	48214170	10	1,25	100	24	7	5,5	3	
	48214180	12	1,5	100	22	9	7	3	
	48214192	14	1,5	100	22	11	9	4	
	48214203	16	1,5	100	22	12	9	4	
	48214216	18	1,5	110	25	14	11	4	
	48214230	20	1,5	125	25	16	12	4	

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Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-POT-6GX

MF | PM | V | ISO 3 6GX | B/4 | DIN 374

Metric Fine

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

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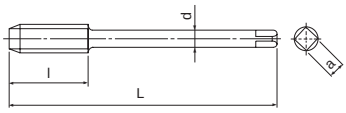
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW EDP	MF	P	oversize	L	l	d	a	ZΔ	Price
48205156	6	0,75	+0,022	80	14	4,5	3,4	3	
48205162	8	1	+0,026	80	22	6	4,9	3	
48205163	8	0,75	+0,022	80	18	6	4,9	3	
48205170	10	1,25	+0,028	90	24	7	5,5	3	
48205171	10	1	+0,026	90	20	7	5,5	3	
48205180	12	1,5	+0,032	90	22	9	7	3	
48205181	12	1,25	+0,028	90	22	9	7	3	
48205182	12	1	+0,026	90	22	9	7	3	
48205192	14	1,5	+0,032	90	22	11	9	4	
48205203	16	1,5	+0,032	100	22	12	9	4	
48205216	18	1,5	+0,032	100	25	14	11	4	
48205230	20	1,5	+0,032	140	25	16	12	4	
48205240	22	1,5	+0,032	140	25	18	14,5	4	
48205250	24	1,5	+0,032	140	28	18	14,5	4	

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◎ 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	

A-POT

UNC PM V ANSI 2BX B/4 DIN 2184-1

UNC

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- High performance
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- Haute performance
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- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

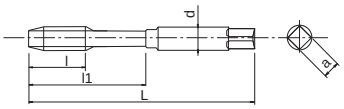
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

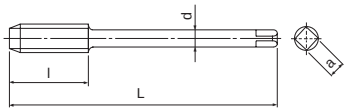
- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



	EDP	UNC	P	L	l	l1	d	a	ZΔ	Price
NEW SIZES	48145453	2	56	45	-	9	2,8	2,1	2	
NEW SIZES	48145455	3	48	50	-	9	2,8	2,1	2	
	48145457	4	40	56	11	18	3,5	2,7	2	
	48145459	5	40	56	11	18	3,5	2,7	3	
	48145461	6	32	56	12	20	4	3	3	
	48145464	8	32	63	13	21	4,5	3,4	3	
	48145466	10	24	70	16	25	6	4,9	3	
NEW SIZES	48145468	12	24	80	17	30	6	4,9	3	
	48145471	1/4	20	80	19	30	7	5,5	3	
	48145474	5/16	18	90	22	35	8	6,2	3	
	48145479	3/8	16	100	24	39	10	8	3	



UNC PM V ANSI 2BX B/4 DIN 2184-1

EDP	UNC	P	L	l	d	a	ZΔ	Price
48145484	7/16	14	100	24	8	6,2	3	
48145489	1/2	13	110	28	9	7	3	
48145494	9/16	12	110	30	11	9	3	
48145501	5/8	11	110	32	12	9	3	
48145515	3/4	10	125	34	14	11	3	
48145526	7/8	9	140	34	18	14,5	3	
48145538	1	8	160	38	18	14,5	3	

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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	

UNF

- High performance
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- High performance
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- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

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- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

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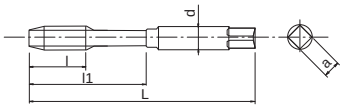
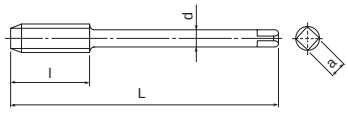
- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowych nierdzewnych



	EDP	UNF	P	L	l	l1	d	a	ZΔ	Price
NEW SIZES	48145454	2	64	45	-	9	2,8	2,1	2	
NEW SIZES	48145456	3	56	50	-	9	2,8	2,1	2	
NEW SIZES	48145458	4	48	56	11	18	3,5	2,7	2	
NEW SIZES	48145460	5	44	56	11	18	3,5	2,7	3	
	48145462	6	40	56	12	20	4	3	3	
NEW SIZES	48145465	8	36	63	13	21	4,5	3,4	3	
	48145467	10	32	70	16	25	6	4,9	3	
NEW SIZES	48145469	12	28	80	17	30	6	4,9	3	
	48145472	1/4	28	80	19	30	7	5,5	3	
	48145476	5/16	24	90	22	35	8	6,2	3	
	48145481	3/8	24	90	20	35	10	8	3	



EDP	UNF	P	L	l	d	a	ZΔ	Price
48145486	7/16	20	100	24	8	6,2	3	
48145491	1/2	20	100	22	9	7	3	
48145496	9/16	18	100	22	11	9	3	
48145504	5/8	18	100	22	12	9	3	
48145517	3/4	16	110	25	14	11	3	
48145528	7/8	14	125	25	18	14,5	3	
48145539	1	12	140	28	18	14,5	3	

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◎ 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	

BSW

- High performance
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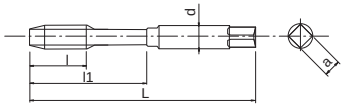

NEW	EDP	BSW	TPI	L	l	l1	d	a	ZΔ	Price
	48205702	1/8	40	56	11	18	3,5	2,7	3	
	48205704	3/16	24	70	16	25	6	4,9	3	
	48205706	1/4	20	80	19	30	7	5,5	3	
	48205707	5/16	18	90	22	35	8	6,2	3	
	48205708	3/8	16	100	24	39	10	8	3	
	48205709	7/16	14	100	24	-	8	6,2	3	
	48205710	1/2	12	110	28	-	9	7	3	
	48205712	5/8	11	110	32	-	12	9	3	
	48205713	3/4	10	125	34	-	14	11	3	
	48205714	7/8	9	140	34	-	18	14,5	3	
	48205715	1	8	160	38	-	18	14,5	3	

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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	

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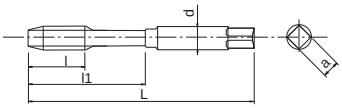


NEW	EDP	BSF	TPI	L	l	l1	d	a	ZΔ	Price
	48205731	1/4	26	80	19	30	7	5,5	3	
	48205732	5/16	22	90	22	35	8	6,2	3	
	48205733	3/8	20	100	24	39	10	8	3	
	48205734	7/16	18	100	24	-	8	6,2	3	
	48205735	1/2	16	100	22	-	9	7	3	
	48205737	5/8	14	110	32	-	12	9	3	
	48205739	3/4	12	125	34	-	14	11	3	
	48205742	1	10	160	38	-	18	14,5	3	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

BA

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

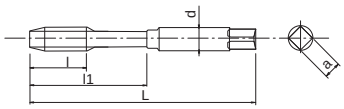
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



NEW EDP	BA	L	l	l1	d	a	ZΔ	Price
48205910	0	66	19	30	6,3	5	3	
48205911	1	62	17	26	5,6	4,5	3	
48205912	2	58	16	25	5	4	3	
48205913	3	53	13	21	4,5	3,55	3	
48205914	4	50	13	20	3,55	2,8	3	
48205915	5	48	11	18	3,15	2,5	3	
48205916	6	44,5	9,5	-	2,8	2,24	2	
48205917	7	44,5	9,5	-	2,8	2,24	2	
48205918	8	44,5	9,5	-	2,8	2,24	2	
48205919	9	41	8	-	2,5	2	2	
48205920	10	41	8	-	2,5	2	2	
48205921	11	41	8	-	2,5	2	2	
48205922	12	40	7	-	2,5	2	2	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

G (BSP)

- High performance
- For high speed tapping in aluminium, mild steel, die steel & stainless steel

- High performance
- Für HSC Gewindeschneiden in Aluminium, unlegierten Stählen, Werkzeugstahl und VA-Stahl

- Alta prestazione
- Ad alta velocità per alluminio, acciai dolci, acciai per stampi e inox

- Haute performance
- Pour haute vitesse dans l'aluminium, l'acier doux, les aciers matrices et l'inox

- Yüksek performans
- Alüminyumda yüksek kesme hızları, orta çelikler, kalıp çelikleri & paslanmaz çelikler için

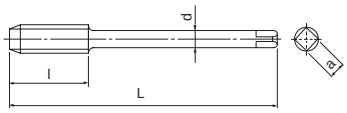
- High performance
- Til højhastigheds gevindskæring i aluminium, stål, værktøjsstål og rustfrit stål

- High performance
- För high speed gängning i aluminium, mjukt stål, verktygsstå & rostfritt stål

- Altas prestaciones
- Para roscado a alta velocidad en aluminio, aceros suaves y aceros inoxidables

- Высокая производительность
- для высокоскоростного нарезания резьбы в алюминии, низкоуглеродистых, инструментальных и нержавеющих сталях

- Wysoka wydajność
- Do dużych prędkości gwintowania w aluminium, stalach miękkich, narzędziowychi nierdzewnych



EDP	G	P	L	l	d	a	ZΔ	Price
48145900	1/8	28	90	20	7	5,5	3	
48145000	1/4	19	100	22	11	9	3	
48145100	3/8	19	100	22	12	9	3	
48145200	1/2	14	125	25	16	12	3	
48145300	5/8	14	125	25	18	14,5	4	
48145400	3/4	14	140	28	20	16	4	
48145500	7/8	14	150	28	22	18	4	
48145600	1	11	160	30	25	20	4	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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	

A-XPF

M | CPM | V | ISO 2 6HX | C/2,5 | DIN 2174

Metric

- High performance forming tap
- For longer tool life

- Hochleistungsgewindeformer
- Preisgünstig

- Maschio a rullare ad alta performance
- Stabilità e durat

- Taraud à refouler à haute performance
- Outil à longue durée

- Yüksek performans ovalama kılavuzu
- Daha uzun takım ömrü

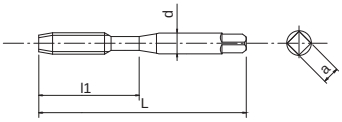
- High Performance rulletap
- Længere standtid

- High performance pressgängtapp
- Livslängd

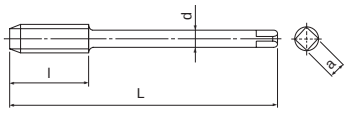
- Alta prestaciones, macho de laminación
- Duración mayor

- Высокопроизводительные накатные метчики
- С увеличенной стойкостью

- Wysoka wydajność wygniatania gwintów
- dłuższa żywotność



NEW	EDP	M	P	L	l1	d	a	Drill Hole Size	ZΔ	Price
	48133138	3	0,5	56	18	3,5	2,7	2,77~2,81	4	
	48133144	4	0,7	63	21	4,5	3,4	3,66~3,72	4	
	48133149	5	0,8	70	25	6	4,9	4,61~4,68	5	
	48133155	6	1	80	30	6	4,9	5,51~5,59	5	
	48133161	8	1,25	90	35	8	6,2	7,37~7,45	5	
	48133169	10	1,5	100	39	10	8	9,24~9,33	8	



M | CPM | V | ISO 2 6HX | C/2,5 | DIN 2174

NEW	EDP	M	P	L	l	d	a	Drill Hole Size	ZΔ	Price
	48133179	12	1,75	110	17	9	7	11,10~11,20	8	
	48133191	14	2	110	20	11	9	12,96~13,08	8	
	48133202	16	2	110	20	12	9	14,96~15,08	8	
	48133214	18	2,5	125	20	14	11	16,66~16,81	8	
	48133228	20	2,5	140	20	16	12	18,66~18,81	8	
	48133238	22	2,5	140	20	18	14,5	20,66~20,81	8	
	48133247	24	3	160	24	18	14,5	22,39~22,56	8	
	48133262	27	3	160	18	20	16	25,39~25,56	8	
	48133271	30	3,5	180	21	22	18	28,09~28,68	8	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

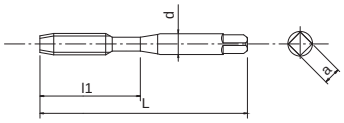
Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение - Uygulama - Zastosowania												
C≤0.2%	0.25<C≤0.4%	C≥0.45%	SCM	25~35 HRC	35~45 HRC	45~52 HRC	52~62 HRC	SUS	SKD	SC	GG	GGG
◎ 15~40 m/min	◎ 15~40 m/min	◎ 15~30 m/min	◎ 15~30 m/min	◎ 5~20 m/min				◎ 8~20 m/min		○ 15~40 m/min		
Cu	BS	BsC	PB	Al	AC,ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
◎ 10~30 m/min	◎ 10~30 m/min	◎ 10~30 m/min		◎ 20~50 m/min	◎ 20~40 m/min		○ 10~30 m/min					

A-OIL-XPF

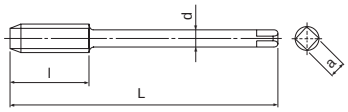
M | CPM | V | ISO 2 6HX | C/2,5 | DIN 2174

Metric

- High performance forming tap
- Hochleistungsgewindeformer
- Maschio a rullare ad alta performance
- Taraud à refouler à haute performance
- Yüksek performans ovalama kılavuzu
- High Performance rulletap
- High performance pressgängtapp
- Alta prestaciones, macho de laminación
- Высокопроизводительные накатные метчики
- Wysoka wydajność wygniatania gwintów



NEW	EDP	M	P	L	l1	d	a	Drill Hole Size	ZΔ	Price
	48225149	5	0,8	70	25	6	4,9	4,61 ~ 4,68	5	
	48225155	6	1	80	30	6	4,9	5,51 ~ 5,59	5	
	48225161	8	1,25	90	35	8	6,2	7,37 ~ 7,45	5	
	48225169	10	1,5	100	39	10	8	9,24 ~ 9,33	8	



M | CPM | V | ISO 2 6HX | C/2,5 | D/4 (M ≥ 36) | DIN 2174

NEW	EDP	M	P	L	l	d	a	Drill Hole Size	ZΔ	Price
	48225179	12	1,75	110	17	9	7	11,10 ~ 11,20	8	
	48225191	14	2	110	20	11	9	12,96 ~ 13,08	8	
	48225202	16	2	110	20	12	9	14,96 ~ 15,08	8	
	48225214	18	2,5	125	20	14	11	16,66 ~ 16,81	8	
	48225228	20	2,5	140	20	16	12	18,66 ~ 18,81	8	
	48225238	22	2,5	140	20	18	14,5	20,66 ~ 20,81	8	
	48225247	24	3	160	24	18	14,5	22,39 ~ 22,56	8	
	48225262	27	3	160	18	20	16	25,39 ~ 25,56	8	
	48225271	30	3,5	180	21	22	18	28,09 ~ 28,28	8	
	48225281	33	3,5	180	21	25	20	31,09 ~ 31,28	8	
	48225294	36	4	200	32	28	22	33,80 ~ 34,01	8	
	48225304	39	4	200	32	32	24	36,80 ~ 37,01	9	
	48225314	42	4,5	200	36	32	24	39,52 ~ 39,73	9	
	48225319	45	4,5	220	36	36	29	42,52 ~ 42,73	9	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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
◎ 15~40 m/min	◎ 15~40 m/min	◎ 15~30 m/min	◎ 15~30 m/min	◎ 5~20 m/min				◎ 8~20 m/min		○ 15~40 m/min		
Cu	BS	BsC	PB	Al	AC,ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
◎ 10~30 m/min	◎ 10~30 m/min	◎ 10~30 m/min		◎ 20~50 m/min	◎ 20~40 m/min		○ 10~30 m/min					

A-XPF

MF | CPM | V | ISO 2 6HX | C/2,5 | DIN 2174

Metric Fine

- High performance forming tap
- ISO 2/4HX for M≤1,6
- For longer tool life

- Hochleistungsgewindeformer PM-Material
- ISO 2/4HX für M≤1,6
- Preisgünstig

- Maschio a rullare ad alta performance
- ISO 2/4HX per M≤1,6
- Stabilità e durat

- Taraud à refouler à haute performance
- ISO 2/4HX pour M≤1,6
- Outil à longue durée

- Yüksek performans ovalama kılavuzu
- ISO 2/4HX M≤1,6
- Daha uzun takım ömrü

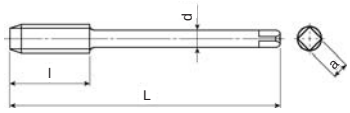
- High Performance rulletap
- ISO 2/4HX til M≤1,6
- Længere standtid

- High performance pressgängtapp
- ISO 2/4HX och M≤1,6
- Livslängd

- Alta prestaciones, macho de laminación
- ISO 2/4HX para M≤1,6
- Duración mayor

- Высокопроизводительные накатные метчики
- ISO 2/4HX для M≤1,6
- С увеличенной стойкостью

- Wysoka wydajność wygniatania gwintów
- ISO 2/4HX do M≤1,6
- dłuższa żywotność



NEW EDP	MF	P	L	l	d	a	Drill Hole Size	ZΔ	Price
48133162	8	1	90	10	6	4,9	7,51 ~ 7,59	5	
48133171	10	1	90	12	7	5,5	9,51 ~ 9,59	8	
48133170	10	1,25	100	12	7	5,5	9,37 ~ 9,45	8	
48133182	12	1	100	15	9	7	11,52 ~ 11,60	8	
48133181	12	1,25	100	15	9	7	11,39 ~ 11,46	8	
48133180	12	1,5	100	15	9	7	11,25 ~ 11,34	8	
48133193	14	1,25	100	15	11	9	13,39 ~ 13,46	8	
48133192	14	1,5	100	15	11	9	13,25 ~ 13,34	8	
48133203	16	1,5	100	15	12	9	15,25 ~ 15,34	8	
48133216	18	1,5	110	15	14	11	17,25 ~ 17,34	8	
48133230	20	1,5	125	15	16	12	19,25 ~ 19,34	8	
48133240	22	1,5	125	15	18	14,5	21,25 ~ 21,34	8	
48133250	24	1,5	140	15	18	14,5	23,25 ~ 23,34	8	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

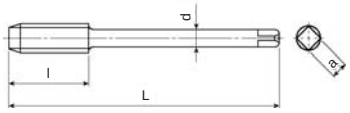
Applications - Anwendungen - Applicazioni - Applications - Applikation - Applikation - Aplicaciones - Применение - Uygulama - Zastosowania												
C≤0.2%	0.25<C≤0.4%	C≥0.45%	SCM	25~35 HRC	35~45 HRC	45~52 HRC	52~62 HRC	SUS	SKD	SC	GG	GGG
◎ 15~40 m/min	◎ 15~40 m/min	◎ 15~30 m/min	◎ 15~30 m/min	◎ 5~20 m/min				◎ 8~20 m/min		○ 15~40 m/min		
Cu	BS	BsC	PB	Al	AC,ADC	MC	ZDC	Ti	Ni	Plast.	Vinyl	
◎ 10~30 m/min	◎ 10~30 m/min	◎ 10~30 m/min		◎ 20~50 m/min	◎ 20~40 m/min		○ 10~30 m/min					

A-OIL-XPF

MF | CPM | V | ISO 2 6HX | C/2,5 | DIN 2174

Metric Fine

- High performance forming tap
- Hochleistungsgewindeformer PM-Material
- Maschio a rullare ad alta performance
- Taraud à refouler à haute performance
- Yüksek performans ovalama kılavuzu
- High Performance rulletap
- High performance pressgängtapp
- Alta prestaciones, macho de laminación
- Высокопроизводительные накатные метчики
- Wysoka wydajność wygniatania gwintów



NEW	EDP	MF	P	L	l	d	a	Drill Hole Size	ZΔ	Price
	48225162	8	1	90	10	6	4,9	7,51 ~ 7,59	5	
	48225171	10	1	90	12	7	5,5	9,51 ~ 9,59	8	
	48225170	10	1,25	100	12	7	5,5	9,37 ~ 9,45	8	
	48225182	12	1	100	15	9	7	11,52 ~ 11,60	8	
	48225181	12	1,25	100	15	9	7	11,39 ~ 11,46	8	
	48225180	12	1,5	100	15	9	7	11,25 ~ 11,34	8	
	48225193	14	1,25	100	15	11	9	13,39 ~ 13,46	8	
	48225192	14	1,5	100	15	11	9	13,25 ~ 13,34	8	
	48225203	16	1,5	100	15	12	9	15,25 ~ 15,34	8	
	48225216	18	1,5	110	15	14	11	17,25 ~ 17,34	8	
	48225230	20	1,5	125	15	16	12	19,25 ~ 19,34	8	
	48225240	22	1,5	125	15	18	14,5	21,25 ~ 21,34	8	
	48225250	24	1,5	140	15	18	14,5	23,25 ~ 23,34	8	

ZΔ= Number of flutes - Anzahl Schneiden - Numero di denti - Nombre de lèvres - Liczba ostrzy - Antal skær - Antal skär - Numero de ranuras - Число режущих кромок - Kanal sayısı

Applications - Anwendungen - Applicazioni - Applications - Applikation - 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
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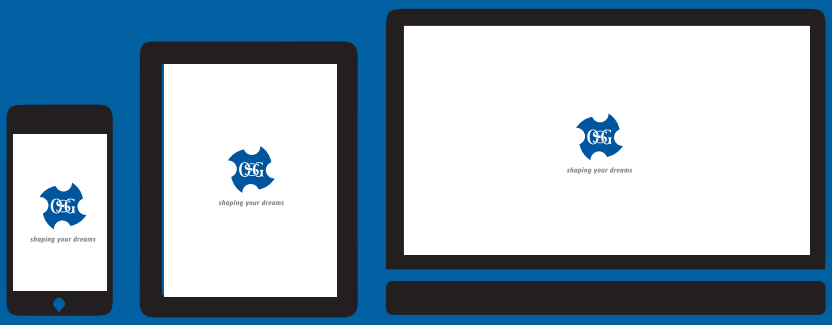

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Langebjergvaenget 16
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Avenue Lavoisier 1
B-1300 Z.I. Wavre - Nord
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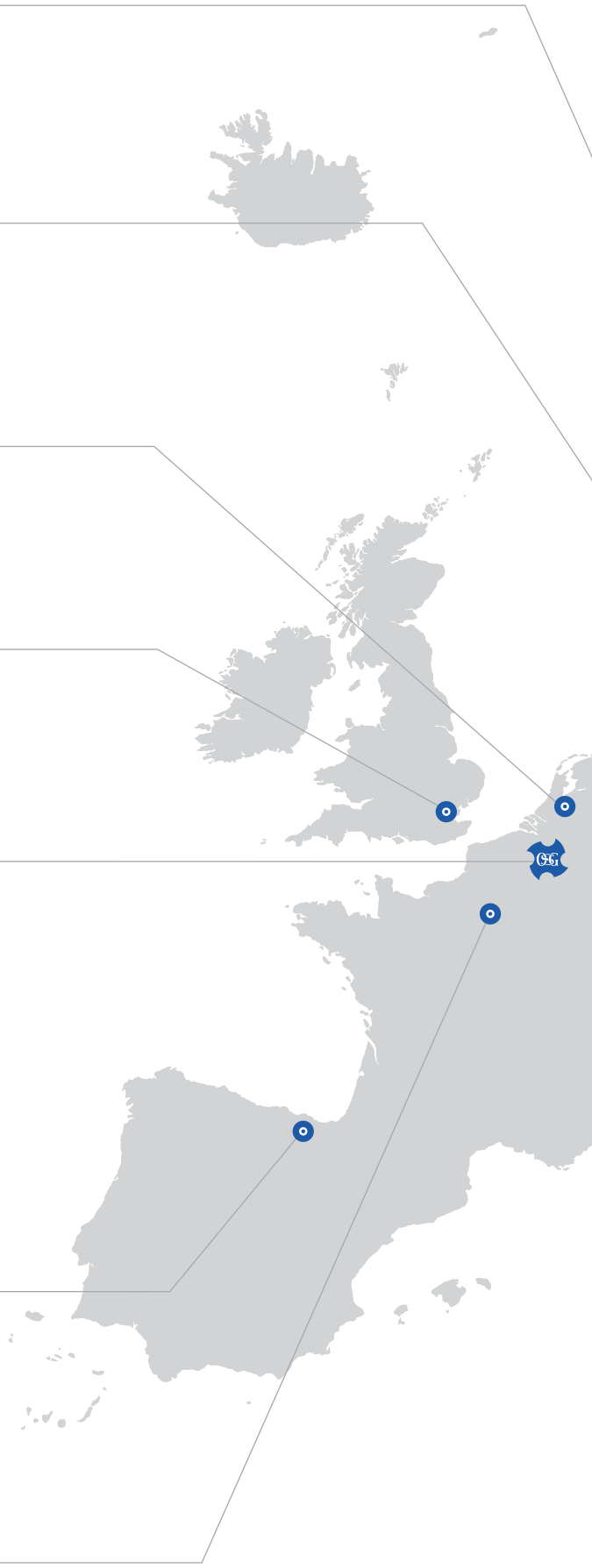

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Parc Icade, Paris Nord 2
Immeuble "Le Rimbaud"
22 Avenue des Nations
CS66191 - 93420 Villepinte
France
Tel.: +33 1 49 90 10 10
Fax: +33 1 49 90 10 15
sales@osg-france.com

SLOVAKIA

Branch office of OSG Europe Logistics s.a.
Tel (SK) +421 2 4329 1295
Tel (BE) +32 10 23 05 07
Fax (BE) +32 10 23 05 51
sales-osgsvk@osgeurope.com

OSG POLAND

ul. Spółdzielcza 57
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Fax: +22 760 82 71
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Reprezentant Exclusiv OSG
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România
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Rami Kişla Cad.No:56 Eyüp
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Via Cirenaica n. 52 int. 61/63
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Italy
Tel.: +39 0117705211
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OSG GERMANY

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Tel.: +32 10 23 05 07
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OSG BELUX
Avenue Lavoisier 1
B-1300 Z.I. Wavre - Nord
Belgium
Tel.: +32 10 23 05 11
Fax: +32 10 23 05 31
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Parc Icade, Paris Nord 2
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22 Avenue des Nations
CS66191 - 93420 Villepinte
France
Tel.: +33 1 49 90 10 10
Fax: +33 1 49 90 10 15
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Postbus 50 - 3480 DB Harmelen
The Netherlands
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Shelton house, 5 Bentalls
Pipps Hill Ind Est, Basildon Essex SS14 3BY
United Kingdom
Tel.: +44 845 305 1066
Fax: +44 845 305 1067
sales@osg-uk.com

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Branch office of OSG Europe Logistics s.a.
Tel (SK) +421 2 4329 1295
Tel (BE) +32 10 23 05 07
Fax (BE) +32 10 23 05 51
sales-osgsvk@osgeurope.com

OSG POLAND Sp. z.o.o.
ul. Spółdzielcza 57
05-074 Halinów
Poland
Tel: +22 760 82 71
Fax: +22 760 82 71
osg@osg-poland.com

OSG GERMANY
Karl-Ehmann-Str. 25
D - 73037 Göppingen
Germany
Tel.: +49 7161 6064 - 0
Fax: +49 7161 6064 - 444
info@osg-germany.de

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(For Scandinavian countries)
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Denmark
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Via Cirenaica n. 52 int. 61/63
I - 10142 Torino
Italy
Tel.: +39 0117705211
Fax: +39 0117071402
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OSG TURKEY
Rami Kişla Cad.No:56 Eyüp
Istanbul 34056
Turkey
Tel.+90 212 565 24 00
Fax: +90 212 565 44 00
info@osg-turkey.com

ROMSAN INTERNATIONAL CO. SRL
Reprezentant Exclusiv OSG
23-25, Nerva Traian Street
031044 Bucuresti
România
Tel.: +40 021 322 07 47
Fax: +40 021 321 56 00
romsan.int@romsan.ro

AUSTRIA
Branch office of OSG GERMANY
Messestraße 11
A-6850 Dornbirn
Tel.: +49 7161 6064-0
Fax: + 49 7161 6064-444
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