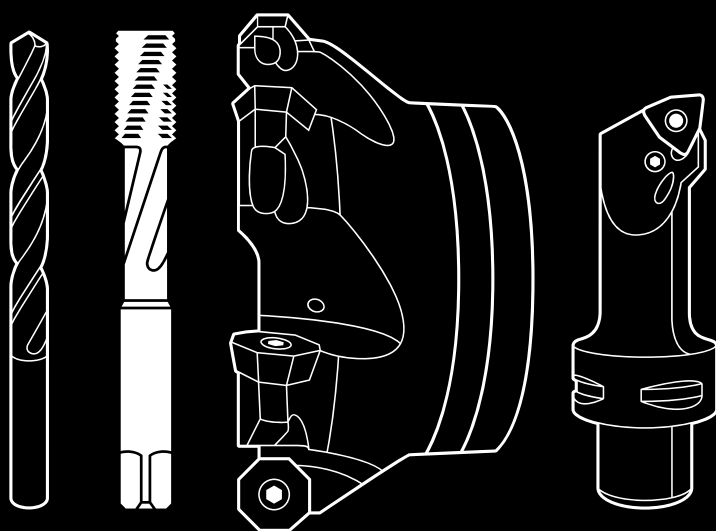


_ METAL IS OUR WORLD

Tools for Threading



How to find and order your tool solution:



Personal – worldwide

You can contact us by phone, fax or e-mail. The contact details for your local contact can be found on our website at: **walter-tools.com**



The Walter Hybrid catalogues and brochures

show the entire standard range under the Walter, Walter Titex, Walter Prototyp and Walter Multiply competence brands – in print or in digital format – with product range overviews, product data, cutting data recommendations and much more. Including links to our machining navigator, Walter GPS, or the Walter TOOLSHOP with the chance to order directly.

At **walter-tools.com**, you can access and order your Walter products quickly and conveniently online – via smartphone, tablet or PC.

The benefit for you: Direct access from any device, displayed in an optimised form, at any time.

Walter online catalogue



Tool-specific search

You can find products in the Walter online catalogue using the familiar structure of our product catalogue as well as filter and search functions. Other features: A shopping function and links to drawings and models.

Walter GPS



Application-based search

With Walter GPS, it takes just a few steps to find the optimum machining solution for your component, online and offline – and the solution can be transferred directly to the Walter TOOLSHOP if required.

Walter Innotime®



Component-based search

With Walter Innotime®, you can find the most cost-effective machining solution for your component, including all the tools, machining steps and machining parameters required for this. Simply by uploading your 3D model.

Digital ordering methods



TOOLSHOP



EDI B2B

Walter TOOLSHOP & EDI

The Walter TOOLSHOP offers customers opportunities to find information and place orders quickly.

EDI (electronic data interchange) also makes it possible to exchange documents (e.g. orders) – even special tools can be ordered.

C – Threading

C1: Tapping		Page
HSS-E (-PM) taps	Product range overview	
	HSS-E (-PM) taps	C 10
	Order pages	
	HSS-E (-PM) taps	C 23
	M – Metric thread	C 53
	MF – Metric fine-pitch thread	C 127
	UNC / UNF / UNEF / UN-8 / UNS	C 171
	MJ/UNJC/UNJF	C 218
	G/Rc/Rp	C 224
	NPT/NPTF	C 242
	Pg/BSW/Tr	C 250
	Thread insert	C 255
	Solid carbide taps	Product range overview
Solid carbide taps		C 278
Order pages		
M – Metric thread		C 280
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G		C 297
C2: Thread forming		Page
HSS-E (-PM) and solid carbide thread formers	Product range overview	
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C3: Thread milling		Page
Thread milling	Product range overview	
	Drill/thread mills	C 361
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	Drill/thread mills	C 362
Thread milling cutters with countersink	Product range overview	
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	Order pages	
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Thread milling cutters without countersink	Product range overview	
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Orbital thread milling cutters	Product range overview	
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	Order pages	
	Thread milling cutters with indexable inserts	C 454

Technologies at Walter

Accure-tec®

The patented Walter Accure-tec® technology ensures maximum vibration damping on boring bars for turning and adaptors for milling. Ideal for turning, milling and drilling operations involving extended tool applications.

Drion-tec™

Drion-tec™ is the name for Walter's drilling and reaming tool solutions with a replaceable cutting edge – both with indexable inserts and exchangeable inserts. Drion-tec™ drills are set apart by their cost-efficiency, high precision and versatility. Thanks to a wide product range, they are suitable for specialised mass production as well as for specific applications and mixed-mode manufacturing.

Krato-tec™

Krato-tec™ is a unique Walter coating technology for solid carbide tools. The core of this consists of an extraordinarily fracture-resistant AlTiN multi-layer coating with a textured top layer. The special layer architecture is highly wear- and adhesion-resistant, even at high cutting speeds, and ensures the tools have universal application.

Tiger-tec®Gold

Tiger-tec® Gold, the new Walter generation platform for unique indexable insert coatings, enables maximum tool life and process reliability. The new grades are based on PVD, CVD or ULP technology, depending on the application. Unique coating properties, protected by multiple patents, guarantee the best protection against tool life-limiting types of wear and ensure outstanding performance.

Tiger-tec®Silver

With Tiger-tec® Silver, Walter is offering a world first in coating technology for indexable inserts. The special aluminium oxide layer with optimised microstructure reduces wear during turning, milling and drilling operations, and increases toughness and temperature resistance for significantly higher cutting data.

Thrill-tec™

Thrill-tec™ circular drill/thread mills combine three functions in one tool and operation: Chamfering, drilling core holes and producing threads. The tools boast a special combination of substrate, coating and geometry, resulting in long tool life. Bringing together multiple machining steps makes incredibly short machining times possible and reduces the number of tools used and machine slots required.

Walter BLAXX

Walter BLAXX is the benchmark for a new generation of milling cutters: The milling bodies are extremely robust thanks to their special surface treatment. The milling systems, which are mainly positioned tangentially, are equipped with Tiger-tec® indexable inserts. Tools with the "Walter BLAXX" designation combine high wear resistance with unbeatable performance data.

Walter Green

Walter Green: Sustainability and responsible use of resources are central components of our company principles. We use our "Walter Green" seal to show how we implement these principles – such as by offsetting our CO₂ emissions with environmental conservation projects.

Walter Xpress

Walter Xpress is the rapid ordering and delivery service offered by Walter Multiply for high-quality special tools. It is available for around 10,000 tool varieties, with a maximum delivery time of two to four weeks from the order date. The ordering process is clearly structured and guarantees absolute planning security. Quotations for all enquiries are calculated and provided within 24 hours.

Walter Precision XT

Precision boring tools are always used to finish an existing bore or to improve the precision of existing bores, for instance by correcting their position, narrowing the hole tolerance, or enhancing the surface quality. Precision boring is typically performed using a depth of cut < 0.5 mm (0.02 inches).

Walter Boring XT

Tools for rough boring are used to expand existing bores. Material removal is a key element of this process. The bore to be enlarged is machined in advance or created using casting or forging processes. The rough boring tools themselves can also be used for radial offsetting and multi-edge boring.

XD Technology

Walter Titex solid carbide drilling and reaming tools stand for precision, high performance and cost-efficiency when drilling in practically any material. Walter Titex XD Technology offers the greatest precision and cost-efficiency in deep-hole drilling operations up to $70 \times D_c$ without pecking.

Xill-tec®

With Xill-tec®, the solid carbide milling cutters from the MC230 Advance product range, Walter offers a uniquely wide range, with different dimensions, numbers of teeth and shank versions. This means that users are well-equipped for all conceivable milling operations and ISO materials. Universal use – with excellent quality.

Xtra-tec®

Xtra-tec® indexable insert milling cutters and drills guarantee extremely soft cutting action and optimal surface quality on almost all materials. Indexable inserts with highly positive geometries and the Tiger-tec® coating have a particularly beneficial hardness/toughness ratio. For maximum productivity and process reliability.

Xtra-tec®XT

Xtra-tec® XT is the latest generation of Walter milling tools. As the "Xtended" Xtra-tec® technology, it offers a completely new perspective on productivity and process reliability. It can cover nearly all milling operations in every common material group: More reliable, productive, cost-efficient than ever before – all while compensating for the CO₂ emissions through Walter Green.

X-treme Evo

For Walter, the X-treme Evo DC260 & DC160 Advance solid carbide drills as well as the X-treme Evo Plus DC180 Supreme and X-treme Evo 3 DC183 Supreme are the embodiment of the "next generation of drilling", offering versatility for a wide range of materials and machine concepts – with outstanding tool life, productivity and process reliability.

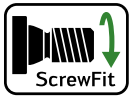
Technologies at Walter (continued)



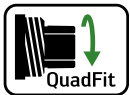
Walter Capto™ is a modular tool adaptor system. It is suitable for all turning, milling, drilling and threading processes. Its ISO-standardised polygon taper absorbs torsional moments and bending moments extremely well and ensures optimal repeat accuracy.



Walter ConeFit is an extremely flexible solid carbide milling system with a wide range of high-performance exchangeable heads and shaft variants. Its conical thread can self-centre, thereby guaranteeing maximum stability and concentricity.



Walter ScrewFit users benefit from maximum flexibility. Its modular interface is suitable for a wide variety of boring bars and adaptors and a wide range of tool diameters and lengths for milling and drilling.



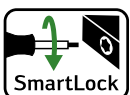
The precision-ground QuadFit interface with taper and support face characterises the precision of the vibration-damped boring bars for turning and thread turning with Walter Accure-tec® technology. The exchangeable head system, which can be rotated by 180°, makes it possible to rapidly replace tools with high indexing accuracy.



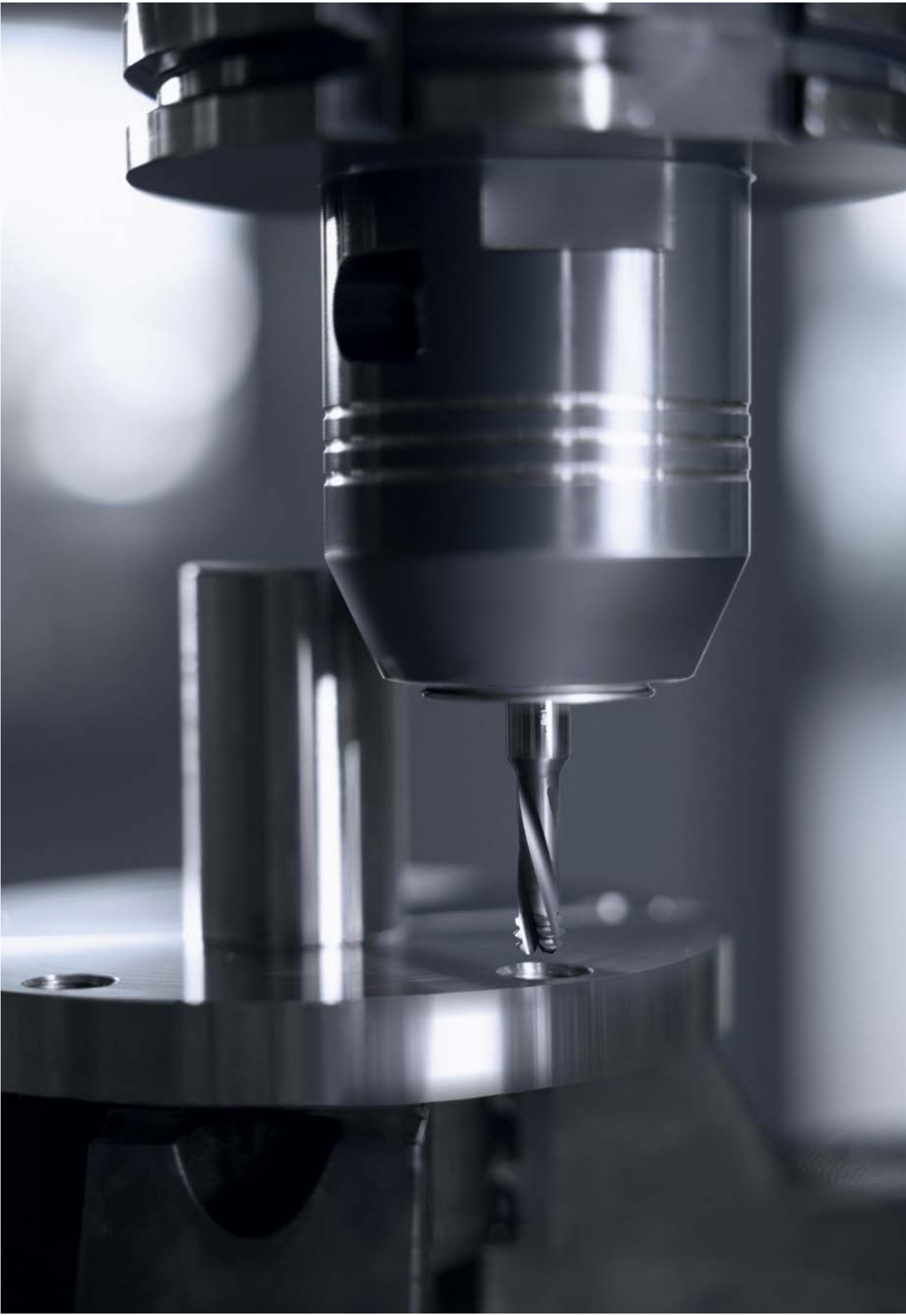
In turning and grooving operations, the Walter precision cooling system provides cooling at the centre of the chip formation. Its dual coolant jets are directed precisely onto the flank and rake faces. In drilling operations, the coolant jets exit close to the cutting edge. This system provides significantly increased tool life, improved chip breaking and chip removal, greater efficiency and higher quality.



"Flash" refers to specialised solid carbide milling cutters for high-feed milling. Their end-face geometry reduces the chip thickness "h" and therefore enables an extremely high feed per tooth. Forces that occur are diverted axially towards the centre of the tool, which helps to stabilise the machining process.



On Walter turning toolholders with "SmartLock", the clamping screw can be operated from the side of the tool. This makes it possible to index the inserts **in** the machine quickly and easily. Tool change times are reduced as a result. Ideal for use on CNC lathe and multi-spindle machines.



The structure of the new Walter General Catalogue

The new Walter General Catalogue presents information about products and applications in a comprehensive and clear manner as an e-document – including direct links to the Walter online catalogue.

C1


Tapping

HSS-E (-PM) taps



Machining



Thread depth	3 x D _N	3 x D _N	3,5 x D _N	3,5 x D _N	1,5 x D _N
					

Designation	Prototex® X-pert P	Prototex® X-pert P AZ	Prototex® Eco Plus	TC216 Perform	Paradur® H
Thread type					
M	✓	✓	✓	✓	✓
MF	✓		✓	✓	✓
UNC / UNF / UN-8	✓		✓	✓	
G / Rc / Rp	✓		✓		✓
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr	✓				
Thread insert	✓				
Tolerance	2B / 3B / 4H / 6G / 6H / 6HMOD / 7G / MEDIUM / NORMAL	6H	2B / 5G / 6H / 6H / NORMAL	2B / 6H	6H / NORMAL
Coolant supply	External	External	External / radial	External	External
Chamfer form	B	B	B	B	C
Coating / grade	TICN / TIN		THL / TIN	WY80AA / WY80FC	TIN
Cutting tool material	HSS-E	HSS-E	HSS-E-PM	HSS-E	HSS-E
P Steel	●●	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●	●●
K Cast iron	●●	●●	●●	●●	●●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●	●●	●●
H Hard materials					
O Other	●	●			
Page in catalogue	16	17	18	19	
QR code					
www.walter-tools.com/woc/	prototex-xpert-p	prototex-xpert-p-az	prototex-eco-plus	TC216	paradur-h

WALTER SELECT

●● Primary application
● Other application

8 HSS-E (-PM) taps

Product range overviews with applications, materials and QR codes at a glance

The product range overviews include icons indicating applications, images of the products, and the range of materials for which the products can be used; if relevant, they also include shank versions, clamping systems and other important information. This means that you can immediately see which product you need – and go directly to more detailed information about it by scanning the corresponding QR code or typing the link provided into your browser.

NEW

Tools with this icon are product innovations and are displayed in this way in the product range overviews.



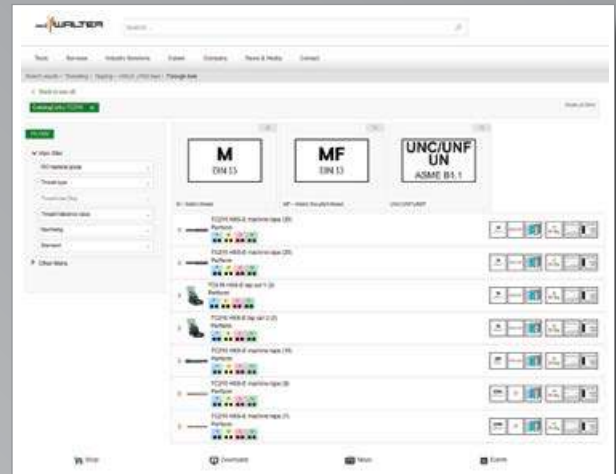
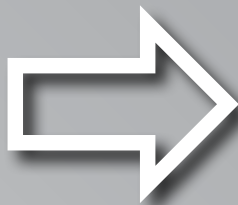
Indexable inserts and tools with these red icons are new to the range and are labelled in this way on the ordering page.

Scan the QR code

to go directly to the sub-page for the corresponding product in the Walter online catalogue. The brief overview contains an image of the tool or product, icons representing applications and other information, and the main and secondary applications in the ISO materials sector.



TC216



Direct link

As well as scanning the QR code, you can also type the link directly into your browser:

www.walter-tools.com/woc/TC216.

In the e-document, you can of course click on the link itself.



Detailed overview of product data

Depending on the product, the information available here or on the following product details page will include dimensions, corresponding indexable inserts, adaptors, and accessories, as well as direct links to additional information such as cutting data recommendations via Walter GPS or technical information like assembly instructions, limit speeds and much more.

HSS-E machine taps
TC216

UNC 2R 3X D₂ 32-40C 1000 250 1/2mm

3 For long-chipping materials

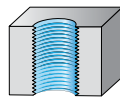
Key (explanation of symbols)

Switch to inch values

DIN 371	Designation	D ₂ F	D ₂	l ₁	l ₂	l ₃
		mm	mm	mm	mm	mm
Perfor - c3, 6x0 - UNC2R - DIN 371 - Suitable for through hole (S)	Material	3.505 - 9.525	66 - 100	11 - 20	20 - 38	
TC216/UNC2R-CO-WY80AA	UNC #5-32	3.505	66	11	20	
TC216/UNC2R-CO-WY80AA	UNC #6-32	4.190	63	12	21	
TC216/UNC2R-CO-WY80AA	UNC #10-24	4.820	70	13	25	
TC216/UNC2R-CO-WY80AA	UNC 1/4-20	9.35	80	15	30	
TC216/UNC2R-CO-WY80AA	UNC 5/16-18	7.938	90	18	35	
TC216/UNC2R-CO-WY80AA	UNC 3/8-16	9.525	100	20	38	

HSS-E (-PM) taps

Machining



Thread depth

 $1 \times D_N$
 $1 \times D_N$
 $1 \times D_N$
 $1 \times D_N$
 $1 \times D_N$


Designation

AMB

AMB Inox

MMB

Protostep Inox

Prototex® OS

Thread type

M

✓

✓

✓

✓

✓

MF

UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

7G

6HX

6H

6HX

6H

Coolant supply

External

External

External

External

External

Chamfer form

18 P

18 P

NA

B

Coating / grade

TIN

NID

uncoated

VAP

uncoated

Cutting tool material

HSS-E

HSS-E

HSS-E

HSS-E

HSS-E

P Steel

●●

●●

●●

●●

●●

M Stainless steel

●●

●●

K Cast iron

N NF metals

●

S Materials with difficult cutting properties

H Hard materials

O Other

Page in catalogue

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C 62

C 31

QR code


www.walter-tools.com/woc/

amb

amb-inox

mmb

protostep-inox

prototex-os

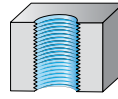
WALTER SELECT

●● Primary application

● Other application

HSS-E (-PM) taps

Machining



Thread depth

2 x D_N2 x D_N2 x D_N3 x D_N3 x D_N

Designation

Prototex® TiNi

Prototex® TiNi Plus

TMB

KMB H

Paradur® N

Thread type

M

✓

✓

✓

✓

MF

✓

✓

UNC / UNF / UN-8

✓

G / Rc / Rp

MJ / UNJC / UNJF

✓

NPT / NPTF

Pg / BSW / Tr

✓

✓

Indexable inserts basic shape

✓

Tolerance

2B / 3B / 4H / 4HX
/ 6HX

3B / 6HX

7H

6H / NORMAL

6H

Coolant supply

External

External

External

External

External

Chamfer form

B

B

24 P

B

D

Coating / grade

TiCN / uncoated

ACN

uncoated

uncoated

uncoated

Cutting tool material

HSS-E-PM

HSS-E-PM

HSS-E

HSS-E

HSS-E

P Steel

●●

●●

●●

●●

M Stainless steel

●●

K Cast iron

●●

●●

●●

N NF metals

●

●●

●●

●●

S Materials with difficult cutting properties

●●

●●

H Hard materials

O Other

Page in catalogue

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C 49

C 253

C 58

C 32

QR code


www.walter-tools.com/woc/

prototex-tini

prototex-tini-plus

tmb

kmb-h

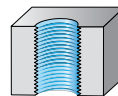
paradur-n

WALTER SELECT

●● Primary application ● Other application

HSS-E (-PM) taps

Machining



Thread depth

 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$


Designation

Prototex® Megasprint

Prototex® Sprint

Prototex®
Synchrospeed

Prototex® X-pert M

Prototex® X-pert N

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

✓

UNC / UNF / UN-8

✓

G / Rc / Rp

✓

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

✓

Tolerance

6H

6H

6HX

2B / 3B / 5HX / 6GX
/ 6HMOD / 6HX /
NORMAL

6H

Coolant supply

radial

External

External

External

External

Chamfer form

B

B

B

B

B

Coating / grade

TIN

TICN / TIN

THL / TIN

TICN / TIN / VAP

uncoated

Cutting tool material

HSS-E-PM

HSS-E-PM

HSS-E

HSS-E

HSS-E

P Steel

●

●

●●

●

M Stainless steel

●

●

●●

●●

K Cast iron

●

●

●●

●●

N NF metals

●

●

●●

●●

S Materials with difficult cutting properties

●

●

●●

●

H Hard materials

●

●

●●

●

O Other

●

●

●●

●

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QR code


www.walter-tools.com/woc/

prototex-megasprint

prototex-sprint

prototex-synchrospeed

prototex-xpert-m

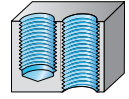
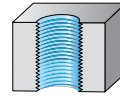
prototex-xpert-n

WALTER SELECT

●● Primary application ● Other application

HSS-E (-PM) taps

Machining



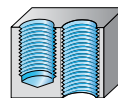
Thread depth

3 x D_N3 x D_N3,5 x D_N3,5 x D_N1,5 x D_N

Designation	Prototex® X-pert P	Prototex® X-pert P AZ	Prototex® Eco Plus	TC216 Perform	Paradur® H
Thread type					
M	✓	✓	✓	✓	✓
MF	✓		✓	✓	✓
UNC / UNF / UN-8	✓		✓	✓	
G / Rc / Rp	✓		✓		✓
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr	✓				
Indexable inserts basic shape	✓				
Tolerance	2B / 3B / 4H / 6G / 6H / 6HMOD / 7G / MEDIUM / NORMAL	6H	2B / 6GX / 6HX / NORMAL	2B / 6H	6H / NORMAL
Coolant supply	External	External	External / radial	External	External
Chamfer form	B	B	B	B	C
Coating / grade	TICN / TIN / uncoated	uncoated	THL / TIN	WY80AA / WY80FC	TIN / uncoated
Cutting tool material	HSS-E	HSS-E	HSS-E-PM	HSS-E	HSS-E
P Steel	●●	●●	●●	●●	●●
M Stainless steel			●●	●●	●●
K Cast iron	●●	●●	●●	●●	●
N NF metals	●●	●●	●●	●●	●●
S Materials with difficult cutting properties					
H Hard materials					
O Other	●	●			●
Page in catalogue	C 33	C 40	C 23	C 27	C 76
QR code					
www.walter-tools.com/woc/	prototex-xpert-p	prototex-xpert-p-az	prototex-eco-plus	TC216	paradur-h

HSS-E (-PM) taps

Machining



Thread depth

 $1,5 \times D_N$
 $2 \times D_N$
 $2 \times D_N$
 $2 \times D_N$
 $2 \times D_N$


Designation

Paradur® H AZ

HGB

HGB Inox

HGB Ti

Paradur® AP

Thread type

M

✓

✓

✓

✓

✓

MF

UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6H

6H

6HX

6HX

6HX

Coolant supply

External

External

External

External

External

Chamfer form

C

C

C

C

C

Coating / grade

uncoated

uncoated

VAP

NID

NIT

Cutting tool material

HSS-E

HSS

HSS-E

HSS-E

HSS-E

P Steel

●

●

M Stainless steel

●

K Cast iron

●●

●

N NF metals

●●

●

S Materials with difficult cutting properties

●

●●

H Hard materials

O Other

●

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C 54

C 55

C 118

QR code



www.walter-tools.com/woc/

paradur-h-az

hgb

hgb-inox

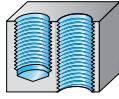
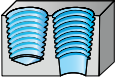
hgb-ti

paradur-ap

WALTER SELECT

●● Primary application ● Other application

HSS-E (-PM) taps

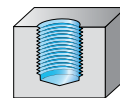
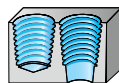
Machining					
Thread depth	2 x D _N	3 x D _N	3 x D _N	3 x D _N	



Designation	Paradur® FT	KMB Ms	Paradur® Eco CI	Paradur® X-pert K	Paradur Inox®
Thread type					
M	✓	✓	✓	✓	
MF			✓		
UNC / UNF / UN-8			✓		
G / Rc / Rp		✓	✓		
MJ / UNJC / UNJF					
NPT / NPTF					✓
Pg / BSW / Tr					
Indexable inserts basic shape					
Tolerance	6H	6H / NORMAL	2B / 6HX / NORMAL	6HX	NORMAL
Coolant supply	External	External	External	External	External
Chamfer form	D	E / F	C / E	C	C
Coating / grade	uncoated	uncoated	NiD / TiCN	TAFT	THL / VAP
Cutting tool material	HSS-E-PM	HSS-E	HSS-E-PM	HSS-E-PM	HSS-E
P Steel					● ●
M Stainless steel					● ●
K Cast iron			● ●	● ●	●
N NF metals		● ●	● ●	●	
S Materials with difficult cutting properties	●				
H Hard materials					
O Other	●	●	● ●		
Page in catalogue	C 124	C 57	C 107	C 113	C 244
QR code					
www.walter-tools.com/woc/	paradur-ft	kmb-ms	paradur-eco-ci	paradur-xpert-k	paradur-inox

HSS-E (-PM) taps

Machining



Thread depth

 $1,5 \times D_N$

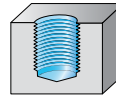

Designation	Paradur Inox® 40	Paradur® H	Paradur® N	Paradur® Ni	Paradur Inox® 25
Thread type					
M					✓
MF					✓
UNC / UNF / UN-8					
G / Rc / Rp		✓			✓
MJ / UNJC / UNJF					
NPT / NPTF	✓	✓	✓	✓	
Pg / BSW / Tr					
Indexable inserts basic shape					
Tolerance	NORMAL	NORMAL	NORMAL	NORMAL	6HX / NORMAL
Coolant supply	External	External	External	External	External
Chamfer form	C	C	C	C	E
Coating / grade	uncoated	uncoated	VAP	TICN / uncoated	TIN
Cutting tool material	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
P Steel	●●		●●	●	●●
M Stainless steel	●●				●●
K Cast iron	●	●	●●		
N NF metals	●	●●	●●		
S Materials with difficult cutting properties				●●	
H Hard materials					
O Other		●			
Page in catalogue	C 245	C 240	C 243	C 246	C 75
QR code					
www.walter-tools.com/woc/	paradur-inox-40	paradur-h	paradur-n	paradur-ni	paradur-inox-25

WALTER SELECT

●● Primary application ● Other application

HSS-E (-PM) taps

Machining



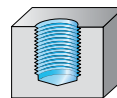
Thread depth

1,5 x D_N1,5 x D_N1,5 x D_N1,5 x D_N1,5 x D_N

Designation	Paradur® HN	Paradur® N	Paradur® Ni	Paradur® Ni 10	TC122 Supreme
Thread type					
M		✓	✓	✓	✓
MF	✓	✓		✓	
UNC / UNF / UN-8		✓	✓		
G / Rc / Rp		✓			
MJ / UNJC / UNJF				✓	
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape			✓		
Tolerance	6HX	2B / 3B / 6G / 6H / NORMAL	2B / 3B / 4H / 4HX / 6HX	3B / 4H / 6HX	6HX
Coolant supply	External	External	External	External	External
Chamfer form	E	C	C	C	C
Coating / grade	uncoated	TICN / TIN / uncoated	TICN / uncoated	TIN / uncoated	WW60BC
Cutting tool material	HSS-E	HSS-E	HSS-E-PM	HSS-E-PM	HSS-E-PM
P Steel	●●	●●	●●	●●	●●
M Stainless steel					
K Cast iron	●●	●●	●●		●
N NF metals	●●	●●	●	●	
S Materials with difficult cutting properties			●●	●●	
H Hard materials					
O Other					
Page in catalogue	C 150	C 81	C 119	C 121	C 89
QR code					
www.walter-tools.com/woc/	paradur-hn	paradur-n	paradur-ni	paradur-ni-10	TC122

HSS-E (-PM) taps

Machining



Thread depth

 $2 \times D_N$
 $2 \times D_N$
 $2,5 \times D_N$
 $2,5 \times D_N$
 $2,5 \times D_N$


Designation

Paradur® Ti

Paradur® Ti Plus

Paradur® H 24

Paradur® STE

Paradur® Synchrospeed

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

✓

✓

UNC / UNF / UN-8

✓

G / Rc / Rp

✓

✓

MJ / UNJC / UNJF

✓

✓

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

✓

Tolerance

2B / 3B / 4H / 6HX

3B / 6HX

6HX

6HX / NORMAL

6HX / NORMAL

Coolant supply

External

External

External

External

External / axial

Chamfer form

C

C

C

E

C

Coating / grade

TiCN / uncoated

ACN

uncoated

TiN / uncoated

TiN / TiN/VAP

Cutting tool material

HSS-E-PM

HSS-E-PM

HSS-E-PM

HSS-E

HSS-E

P Steel

●●

●

●

●●

M Stainless steel

●

●

●●

K Cast iron

●

●

●●

N NF metals

●

●

●

S Materials with difficult cutting properties

●●

●●

●

H Hard materials

O Other

●

Page in catalogue

C 122

C 123

C 84

C 101

C 74

QR code



www.walter-tools.com/woc/

paradur-ti

paradur-ti-plus

paradur-h-24

paradur-ste

paradur-synchrospeed

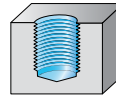
WALTER SELECT

●● Primary application

● Other application

HSS-E (-PM) taps

Machining



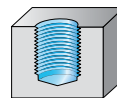
Thread depth

2,5 x D_N2,5 x D_N2,5 x D_N3 x D_N3 x D_N

Designation	Paradur® X-pert M	TC121 Supreme	TC122 Supreme	KMB WST	Paradur® Eco CI
Thread type					
M	✓	✓	✓	✓	✓
MF	✓				✓
UNC / UNF / UN-8	✓				
G / Rc / Rp	✓				
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape	✓				
Tolerance	2B / 3B / 6GX / 6HMOD / 6HX / NORMAL	6HX	6HX	6H	6HX
Coolant supply	External	External / axial	axial	External	axial / radial
Chamfer form	C	C	C	C	C / E
Coating / grade	THL / TiCN / TiN / VAP	WW60RG / WY80BD	WW60BC	uncoated	TiCN
Cutting tool material	HSS-E	HSS-E-PM	HSS-E-PM	HSS-E	HSS-E-PM
P Steel	●	●●	●●	●●	
M Stainless steel	●●	●			
K Cast iron		●	●	●	●●
N NF metals		●		●	●●
S Materials with difficult cutting properties					
H Hard materials					
O Other					●●
Page in catalogue	C 103	C 87	C 89	C 56	C 108
QR code					
www.walter-tools.com/woc/	paradur-xpert-m	TC121	TC122	kmb-wst	paradur-eco-ci

HSS-E (-PM) taps

Machining



Thread depth

 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$


Designation

Paradur® Eco Plus

Paradur® Uni

Paradur® WLM
Synchrospeed

Paradur® X-pert N

Paradur® X-pert P

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

✓

✓

UNC / UNF / UN-8

✓

✓

✓

G / Rc / Rp

✓

✓

✓

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

✓

Indexable inserts basic shape

✓

✓

Tolerance

2B / 6GX / 6HX /
NORMAL

6G / 6H / NORMAL

6H

2B / 3B / 6G / 6H /
6HMOD / NORMAL

2B / 3B / 4H / 6G /
6H / 6HMOD / 7G /
MEDIUM / NORMAL

Coolant supply

External / axial /
radial

External

External

External

External

Chamfer form

C / E

C

C

C

C

Coating / grade

THL / TIN

TIN / VAP / uncoated

CRN / uncoated

uncoated

THL / TIN / uncoated

Cutting tool material

HSS-E-PM

HSS-E

HSS-E

HSS-E

HSS-E

P Steel

●●

●●

●

●●

M Stainless steel

●●

●●

●●

●●

K Cast iron

●●

●

●●

●●

N NF metals

●●

●

●●

●●

●

S Materials with difficult cutting properties

●●

●●

●

H Hard materials

O Other

●●

●●

●

●

Page in catalogue

C 63

C 125

C 117

C 114

C 91

QR code


www.walter-tools.com/woc/

paradur-eco-plus

paradur-uni

paradur-wlm-synchrospeed

paradur-xpert-n

paradur-xpert-p

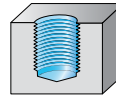
WALTER SELECT

●● Primary application

● Other application

HSS-E (-PM) taps

Machining



Thread depth

3 x D_N3 x D_N3 x D_N3 x D_N3,5 x D_N

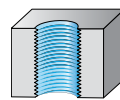
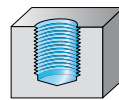
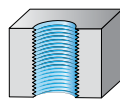
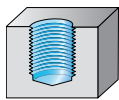
Designation	Paradur® X-pert P AZ	TC115 Perform	TC120 Supreme	TC142 Supreme	Paradur® NH
Thread type					
M	✓	✓	✓	✓	✓
MF		✓		✓	
UNC / UNF / UN-8		✓			
G / Rc / Rp				✓	
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape					
Tolerance	6H	2B / 6H	6HX	6HX / NORMAL	6H
Coolant supply	External	External	External / axial	External	axial
Chamfer form	C	C / E	C	C	C
Coating / grade	uncoated	WY80AA / WY80FC	WW60AG	WW60RB / WY80FC	TIN / uncoated
Cutting tool material	HSS-E	HSS-E	HSS-E-PM	HSS-E / HSS-E-PM	HSS-E
P Steel	●●	●●	●●	●	●●
M Stainless steel		●●		●●	
K Cast iron		●●			●●
N NF metals	●	●	●		●
S Materials with difficult cutting properties					
H Hard materials					
O Other	●				●
Page in catalogue	C 97	C 70	C 85	C 102	C 83
QR code					
www.walter-tools.com/woc/	paradur-xpert-p-az	TC115	TC120	TC142	paradur-nh

WALTER SELECT

●● Primary application ● Other application

HSS-E (-PM) taps

Machining



Thread depth

 $3,5 \times D_N$
 $3,5 \times D_N$
 $1,5 \times D_N$
 $3 \times D_N$
 $3 \times D_N$


Designation

Paradur® Short Chip HT

TC130 Supreme

Paradur® Combi

TC115 Perform

TC216 Perform

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

UNC / UNF / UN-8

✓

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6HX

2B / 6HX

6H

6H

6H

Coolant supply

axial

axial

External

External

External

Chamfer form

C

C

C

C

B

Coating / grade

THL / uncoated

WY80AA / WY80EH

uncoated

WY80AA / WY80FC

WY80AA / WY80FC

Cutting tool material

HSS-E

HSS-E

HSS-E

HSS-E

HSS-E

P Steel

●●

●●

●●

●●

●●

M Stainless steel

●●

●●

●●

●●

●●

K Cast iron

●

●●

●

●●

●●

N NF metals

●

●

●

●

●●

S Materials with difficult cutting properties

●

●

●

●

●●

H Hard materials

O Other

●

●

Page in catalogue

C 100

C 79

C 52

C 72

C 28

QR code



www.walter-tools.com/woc/

paradur-short-chip-ht

TC130

paradur-combi

TC115

TC216

WALTER SELECT

●● Primary application ● Other application

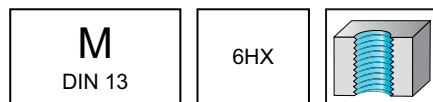
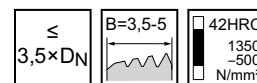
HSS-E PM machine taps

mm

Prototex® Eco Plus

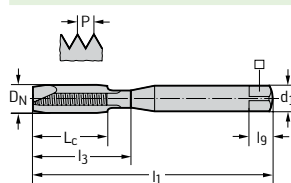


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			
TIN	●●	●●	●●	●●			

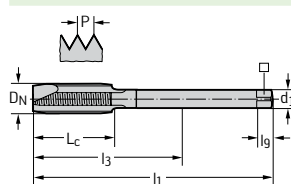
DIN 371



Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2021302-M2	EP2021305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2021302-M2.5	EP2021305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2021302-M3	EP2021305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021302-M4	EP2021305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021302-M5	EP2021305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021302-M6	EP2021305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021302-M8	EP2021305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021302-M10	EP2021305-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2026302-M12	EP2026305-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026302-M14	EP2026305-M14	M 14	2	110	25	81	11	9	12	4
EP2026302-M16	EP2026305-M16	M 16	2	110	25	68	12	9	12	4
EP2026302-M18	EP2026305-M18	M 18	2,5	125	30	81	14	11	14	4
EP2026302-M20	EP2026305-M20	M 20	2,5	140	30	95	16	12	15	4
EP2026302-M24	EP2026305-M24	M 24	3	160	36	113	18	14,5	17	4
EP2026302-M27		M 27	3	160	36	97	20	16	19	4
EP2026302-M30		M 30	3,5	180	42	115	22	18	21	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

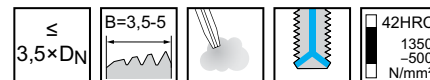
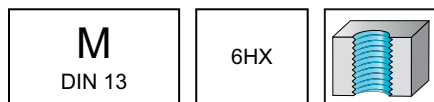
HSS-E PM machine taps

mm

Prototex® Eco Plus

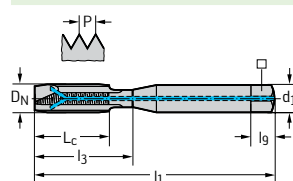


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

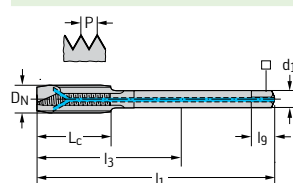
DIN 371



Parallel shank

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
EP2021342-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021342-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021342-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
EP2026342-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026342-M16	M 16	2	110	25	68	12	9	12	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

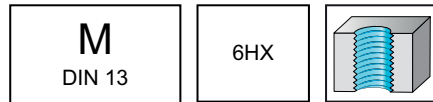
HSS-E PM machine taps

mm

Prototex® Eco Plus

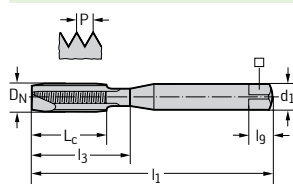


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

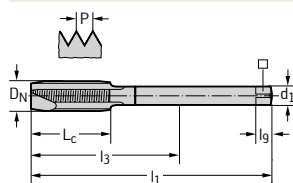
DIN 371



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2021382-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2021382-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2021382-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2021382-M6	M 6	1	80	15	30	6	4,9	8	3
EP2021382-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2021382-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2026382-M12	M 12	1,75	110	23	83	9	7	10	4
EP2026382-M16	M 16	2	110	25	68	12	9	12	4
EP2026382-M20	M 20	2,5	140	30	95	16	12	15	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

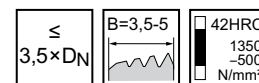
HSS-E PM machine taps

mm

Prototex® Eco Plus

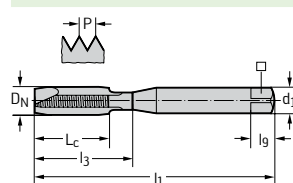


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●
TIN	●●	●●	●●	●●	●●	●●	●●

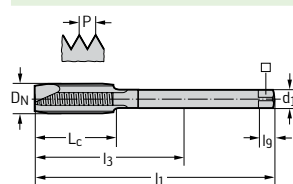
DIN 371



Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2023302-M2	EP2023305-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
EP2023302-M2.5	EP2023305-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
EP2023302-M3	EP2023305-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
EP2023302-M4	EP2023305-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
EP2023302-M5	EP2023305-M5	M 5	0,8	70	13	25	6	4,9	8	3
EP2023302-M6	EP2023305-M6	M 6	1	80	15	30	6	4,9	8	3
EP2023302-M8	EP2023305-M8	M 8	1,25	90	18	35	8	6,2	9	3
EP2023302-M10	EP2023305-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2028302-M12	EP2028305-M12	M 12	1,75	110	23	83	9	7	10	4
EP2028302-M14	EP2028305-M14	M 14	2	110	25	81	11	9	12	4
EP2028302-M16	EP2028305-M16	M 16	2	110	25	68	12	9	12	4

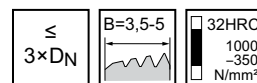
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

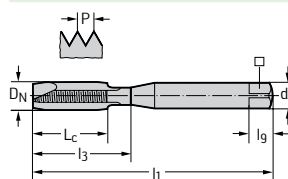
TC216 Perform mm

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●	●●	●●	●●
WY80FC	●●	●●	●●	●●	●●	●●	●●

DIN 371

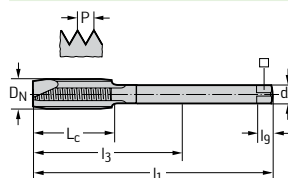


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA	WY80FC
TC216-M1.6-C0-	M 1.6	0,35	40	7	7	2,5	2,1	5	2	●●	●●
TC216-M2-C0-	M 2	0,4	45	6	9	2,8	2,1	5	2	●●	●●
TC216-M2.5-C0-	M 2.5	0,45	50	8	12,5	2,8	2,1	5	2	●●	●●
TC216-M3-C0-	M 3	0,5	56	9	18	3,5	2,7	6	2	●●	●●
TC216-M4-C0-	M 4	0,7	63	12	21	4,5	3,4	6	3	●●	●●
TC216-M5-C0-	M 5	0,8	70	13	25	6	4,9	8	3	●●	●●
TC216-M6-C0-	M 6	1	80	15	30	6	4,9	8	3	●●	●●
TC216-M8-C0-	M 8	1,25	90	18	35	8	6,2	9	3	●●	●●
TC216-M10-C0-	M 10	1,5	100	20	39	10	8	11	3	●●	●●

Ordering example for the grade WY80AA: TC216-M1.6-C0-WY80AA

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA	WY80FC
TC216-M12-L0-	M 12	1,75	110	23	83	9	7	10	3	●●	●●
TC216-M14-L0-	M 14	2	110	25	81	11	9	12	4	●●	●●
TC216-M16-L0-	M 16	2	110	25	68	12	9	12	4	●●	●●
TC216-M20-L0-	M 20	2,5	140	30	95	16	12	15	4	●●	●●

Ordering example for the grade WY80AA: TC216-M12-L0-WY80AA

WALTER
SELECT

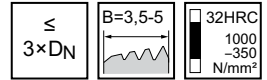
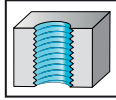
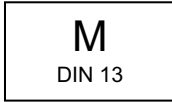
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E tap set 1

TC216 Perform



– Universal tap set



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●			
WY80FC	●●	●●	●●	●●			

Tool



Designation	D _N	Quantity	WY80AA	WY80FC
TC216-SET1-M3-M12-	M 3 – M 12	7	☞	
TC216-SET1-M3-M12-	M 3 – M 12	7		☞

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

HSS-E tap set 2
TC216 Perform



- Universal tap set
- Incl. Core-hole drill

$\leq 3 \times D_N$

B=3,5-5

32HRC
1000
~350
N/mm²

M
DIN 13

ISO2/6H

	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●			
WY80FC	●●	●●	●●	●●			

Tool						WY80AA	WY80FC
	Designation	D _N	Sets dia. mm	Sets dia. mm	Quantity		
	TC216-SET2-M3-M12-	M 3 – M 12	2,5	10,2	14	☹	
	TC216-SET2-M3-M12-	M 3 – M 12	2,5	10,2	14		☹

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

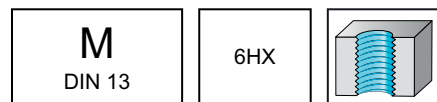
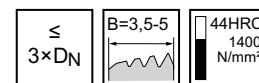
HSS-E machine taps

mm

Prototex® Synchrospeed

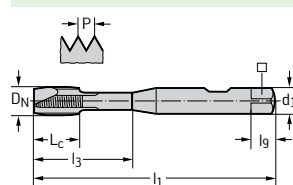


- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●		●●
TIN	●●	●●	●●	●●	●●		●●

~DIN 371

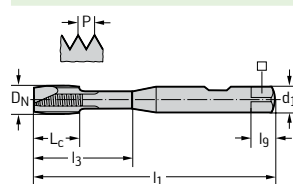


Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	mm	l ₉ mm	N
S2021302-M2	S2021305-M2	M 2	0,4	70	4	9	6	4,9	8	3
S2021302-M2.5	S2021305-M2.5	M 2.5	0,45	70	5	12,5	6	4,9	8	3
S2021302-M3	S2021305-M3	M 3	0,5	70	5	18	6	4,9	8	3
S2021302-M4	S2021305-M4	M 4	0,7	70	7	21	6	4,9	8	3
S2021302-M5	S2021305-M5	M 5	0,8	70	8	25	6	4,9	8	3
S2021302-M6	S2021305-M6	M 6	1	80	10	30	6	4,9	8	3
S2021302-M8	S2021305-M8	M 8	1,25	90	13	35	8	6,2	9	3
S2021302-M10	S2021305-M10	M 10	1,5	100	15	39	10	8	11	3

C1

~DIN 376



Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	mm	l ₉ mm	N
S2026302-M12	S2026305-M12	M 12	1,75	110	18	42	12	9	12	3
S2026302-M14	S2026305-M14	M 14	2	110	20	49	14	11	14	3
S2026302-M16	S2026305-M16	M 16	2	110	20	55	16	12	15	4
S2026302-M20	S2026305-M20	M 20	2,5	140	25	95	16	12	15	4
S2026302-M24	S2026305-M24	M 24	3	160	30	97	20	16	19	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

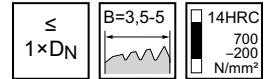
HSS-E machine taps

mm

Prototex® OS

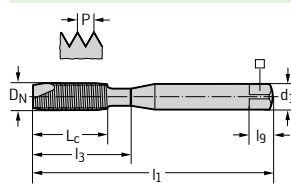


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			

DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20211-M1	M 1	0,25	40	5	5	2,5	2,1	5	2
20211-M1.2	M 1.2	0,25	40	5	5	2,5	2,1	5	2
20211-M1.4	M 1.4	0,3	40	7	6,5	2,5	2,1	5	2
20211-M1.6	M 1.6	0,35	40	7	7	2,5	2,1	5	2
20211-M1.7	M 1.7	0,35	40	7	7	2,5	2,1	5	2
20211-M1.8	M 1.8	0,35	40	7	7	2,5	2,1	5	2
20211-M2	M 2	0,4	45	6	9	2,8	2,1	5	2
20211-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	2
20211-M2.6	M 2.6	0,45	50	8	12,5	2,8	2,1	5	2
20211-M3	M 3	0,5	56	9	18	3,5	2,7	6	2
20211-M4	M 4	0,7	63	12	21	4,5	3,4	6	2
20211-M5	M 5	0,8	70	13	25	6	4,9	8	2
20211-M6	M 6	1	80	15	30	6	4,9	8	3
20211-M8	M 8	1,25	90	18	35	8	6,2	9	3
20211-M10	M 10	1,5	100	20	39	10	8	11	3

≤ M 1.4: 5H

≤ M 1.8: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application

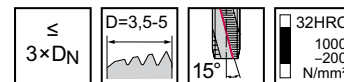
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

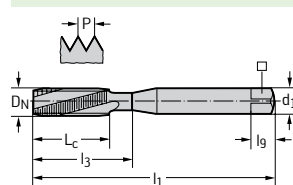
Paradur® N

– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

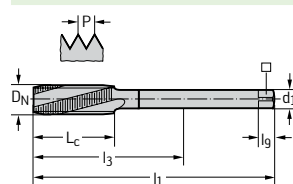
DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
20411-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
20411-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
20411-M5	M 5	0,8	70	13	25	6	4,9	8	3
20411-M6	M 6	1	80	15	30	6	4,9	8	3

DIN 376



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
20461-M6	M 6	1	80	15	59	4,5	3,4	6	3
20461-M8	M 8	1,25	90	18	67	6	4,9	8	3
20461-M10	M 10	1,5	100	20	77	7	5,5	8	3
20461-M12	M 12	1,75	110	23	83	9	7	10	3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

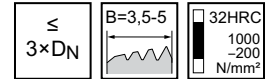
HSS-E machine taps

mm

Prototex® X-pert P

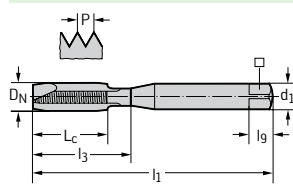


- Reduced number of grooves
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P20200-M1.6	M 1.6	0,35	40	7	7	2,5	2,1	5	2
P20200-M2	M 2	0,4	45	6	9	2,8	2,1	5	2
P20200-M2.2	M 2.2	0,45	45	7	12	2,8	2,1	5	2
P20200-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	2
P20200-M3	M 3	0,5	56	9	18	3,5	2,7	6	2
P20200-M3.5	M 3.5	0,6	56	11	20	4	3	6	2
P20200-M4	M 4	0,7	63	12	21	4,5	3,4	6	2
P20200-M5	M 5	0,8	70	13	25	6	4,9	8	2
P20200-M6	M 6	1	80	15	30	6	4,9	8	2
P20200-M8	M 8	1,25	90	18	35	8	6,2	9	3
P20200-M10	M 10	1,5	100	20	39	10	8	11	3

M 1.6: Without reduced neck after the thread

C1

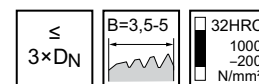
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

mm

Prototex® X-pert P

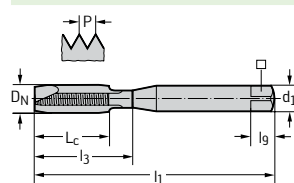


– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●●			●			●
TIN	●●			●			●
uncoated	●●			●			●

DIN 371



Parallel shank

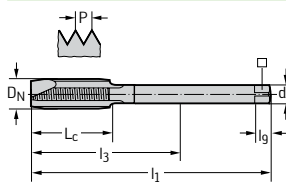
Designation TICN	Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P2031006-M2	P2031005-M2	P20310-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
	P2031005-M2.2	P20310-M2.2	M 2.2	0,45	45	7	12	2,8	2,1	5	3
P2031006-M2.5	P2031005-M2.5	P20310-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
P2031006-M3	P2031005-M3	P20310-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
		P20310-M3.5	M 3.5	0,6	56	11	20	4	3	6	3
P2031006-M4	P2031005-M4	P20310-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
P2031006-M5	P2031005-M5	P20310-M5	M 5	0,8	70	13	25	6	4,9	8	3
P2031006-M6	P2031005-M6	P20310-M6	M 6	1	80	15	30	6	4,9	8	3
	P2031005-M7	P20310-M7	M 7	1	80	15	30	7	5,5	8	3
P2031006-M8	P2031005-M8	P20310-M8	M 8	1,25	90	18	35	8	6,2	9	3
P2031006-M10	P2031005-M10	P20310-M10	M 10	1,5	100	20	39	10	8	11	3

l_g dimensions in accordance with DIN 10

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

DIN 376



Designation TICN	Designation TIN	Designation uncoated	DN	l ₁ mm	l _c mm	l ₃ mm	d ₁ h ₉ mm	mm	l ₉ mm	N
		P20360-M2	M 2	45	6	26	1,4	1,1	4	3
		P20360-M2.5	M 2.5	50	8	31	1,8	1,4	4	3
		P20360-M3	M 3	56	9	37	2,2	1,8	4	3
		P20360-M4	M 4	63	12	43	2,8	2,1	5	3
		P20360-M5	M 5	70	13	49	3,5	2,7	6	3
P2036006-M6	P2036005-M6	P20360-M6	M 6	80	15	59	4,5	3,4	6	3
		P20360-M7	M 7	80	15	58	5,5	4,3	7	3
P2036006-M8	P2036005-M8	P20360-M8	M 8	90	18	67	6	4,9	8	3
		P20360-M9	M 9	90	18	67	7	5,5	8	3
P2036006-M10	P2036005-M10	P20360-M10	M 10	100	20	77	7	5,5	8	3
P2036006-M12	P2036005-M12	P20360-M12	M 12	110	23	83	9	7	10	3
	P2036005-M14	P20360-M14	M 14	110	25	81	11	9	12	3
P2036006-M16	P2036005-M16	P20360-M16	M 16	110	25	68	12	9	12	3
	P2036005-M18	P20360-M18	M 18	125	30	81	14	11	14	4
P2036006-M20	P2036005-M20	P20360-M20	M 20	140	30	95	16	12	15	4
		P20360-M22	M 22	140	30	93	18	14,5	17	4
P2036006-M24	P2036005-M24	P20360-M24	M 24	160	36	113	18	14,5	17	4
	P2036005-M27	P20360-M27	M 27	160	36	97	20	16	19	4
P2036006-M30	P2036005-M30	P20360-M30	M 30	180	42	115	22	18	21	4
		P20360-M33	M 33	180	42	113	25	20	23	4
	P2036005-M36	P20360-M36	M 36	200	48	131	28	22	25	4
		P20360-M39	M 39	200	48	102	32	24	27	4
		P20360-M42	M 42	200	54	102	32	24	27	4
		P20360-M45	M 45	220	54	117	36	29	32	4
		P20360-M48	M 48	250	60	147	36	29	32	4
		P20360-M52	M 52	250	60	120	40	32	35	4
		P20360-M56	M 56	250	66	120	40	32	35	4

l₉ dimensions in accordance with DIN 10

C1

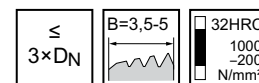
HSS-E machine taps

mm

Prototex® X-pert P

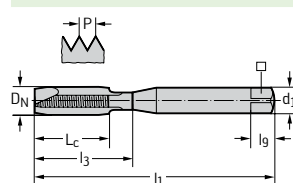


- Reduced number of grooves
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●
TIN	●●			●			●

DIN 371



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P20210-M1	M 1	0,25	40	5	5	2,5	2,1	5	2
P2021005-M1.2	P20210-M1.2	M 1.2	0,25	40	5	5	2,5	2,1	5	2
P2021005-M1.4	P20210-M1.4	M 1.4	0,3	40	7	6,5	2,5	2,1	5	2
P2021005-M1.6	P20210-M1.6	M 1.6	0,35	40	7	7	2,5	2,1	5	2
	P20210-M1.8	M 1.8	0,35	40	7	7	2,5	2,1	5	2
P2021005-M2	P20210-M2	M 2	0,4	45	6	9	2,8	2,1	5	2
	P20210-M2.2	M 2.2	0,45	45	7	12	2,8	2,1	5	2
	P20210-M2.3	M 2.3	0,4	45	7	12	2,8	2,1	5	2
P2021005-M2.5	P20210-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	2
	P20210-M2.6	M 2.6	0,45	50	8	12,5	2,8	2,1	5	2
P2021005-M3	P20210-M3	M 3	0,5	56	9	18	3,5	2,7	6	2
P2021005-M3.5	P20210-M3.5	M 3.5	0,6	56	11	20	4	3	6	2
P2021005-M4	P20210-M4	M 4	0,7	63	12	21	4,5	3,4	6	2
	P20210-M4.5	M 4.5	0,75	70	13	25	6	4,9	8	2
P2021005-M5	P20210-M5	M 5	0,8	70	13	25	6	4,9	8	2
P2021005-M6	P20210-M6	M 6	1	80	15	30	6	4,9	8	2

≤ M 1.4: 5H

≤ M 1.8: Without reduced neck after the thread

≤ M 1.6: Without reduced neck after the thread

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

mm

Prototex® X-pert P

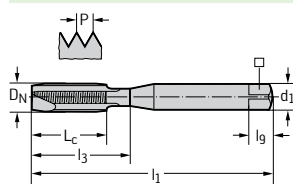


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●	●	●	●	●	●

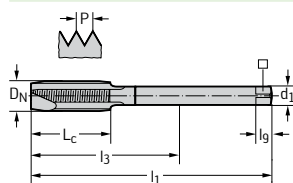
DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P202108-M2	M 2	0,4	45	6	9	2,8	2,1	5	2
P202108-M3	M 3	0,5	56	9	18	3,5	2,7	6	2
P202108-M4	M 4	0,7	63	12	21	4,5	3,4	6	2
P202108-M5	M 5	0,8	70	13	25	6	4,9	8	2
P202108-M6	M 6	1	80	15	30	6	4,9	8	3
P202108-M8	M 8	1,25	90	18	35	8	6,2	9	3
P202108-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P202608-M12	M 12	1,75	110	23	83	9	7	10	3
P202608-M16	M 16	2	110	25	68	12	9	12	3
P202608-M20	M 20	2,5	140	30	95	16	12	15	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

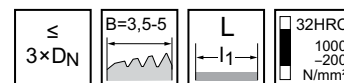
HSS-E machine taps

mm

Prototex® X-pert P



- For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●	●	●	●	●	●	●
uncoated	●●	●	●	●	●	●	●

~DIN 371 L	Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	P2031035-M3	P203103-M3	M 3	0,5	112	9	18	3,5	2,7	6	3
	P2031035-M4	P203103-M4	M 4	0,7	112	12	21	4,5	3,4	6	3
	P2031035-M5	P203103-M5	M 5	0,8	125	13	25	6	4,9	8	3
	P2031035-M6	P203103-M6	M 6	1	125	15	30	6	4,9	8	3
	P2031035-M8	P203103-M8	M 8	1,25	140	18	40	8	6,2	9	3
	P2031035-M10	P203103-M10	M 10	1,5	160	20	50	10	8	11	3

Parallel shank

~DIN 376 L	Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
		P203603-M3	M 3	0,5	112	9	86	2,2	1,8	4	3
		P203603-M4	M 4	0,7	112	12	92	2,8	2,1	5	3
	P2036035-M5	P203603-M5	M 5	0,8	125	13	104	3,5	2,7	6	3
	P2036035-M6	P203603-M6	M 6	1	125	15	104	4,5	3,4	6	3
	P2036035-M8	P203603-M8	M 8	1,25	140	18	117	6	4,9	8	3
	P2036035-M10	P203603-M10	M 10	1,5	160	20	137	7	5,5	8	3
	P2036035-M12	P203603-M12	M 12	1,75	180	23	153	9	7	10	3
	P2036035-M14	P203603-M14	M 14	2	180	25	151	11	9	12	3
	P2036035-M16	P203603-M16	M 16	2	200	25	158	12	9	12	3
	P2036035-M20	P203603-M20	M 20	2,5	224	30	179	16	12	15	4

Parallel shank

WALTER
SELECT

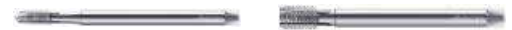
●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

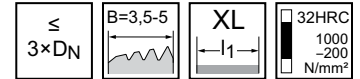
HSS-E machine taps

mm

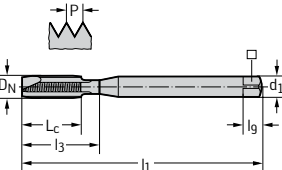
Prototex® X-pert P



– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●	●	●	●	●	●

~DIN 371 XL										
	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	 mm	l ₉ mm	N
	P202103-M4	M 4	0,7	125	12	21	4,5	3,4	6	3
	P202103-M5	M 5	0,8	140	13	25	6	4,9	8	3
	P202103-M6	M 6	1	160	15	30	6	4,9	8	3
Parallel shank										

Parallel shank

~DIN 376 L

Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P202603-M8	M 8	1,25	180	18	157	6	4,9	8	3
P202603-M10	M 10	1,5	200	20	177	7	5,5	8	3
P202603-M12	M 12	1,75	220	23	193	9	7	10	3
P202603-M14	M 14	2	220	25	191	11	9	12	3
P202603-M16	M 16	2	220	25	178	12	9	12	3
P202603-M20	M 20	2,5	280	30	235	16	12	15	4

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application

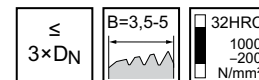
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

mm

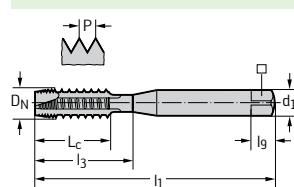
Prototex® X-pert P AZ

- For long-chipping materials
- For thin-walled workpieces



	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

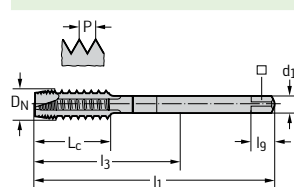
DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P40310-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
P40310-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
P40310-M5	M 5	0,8	70	13	25	6	4,9	8	3
P40310-M6	M 6	1	80	15	30	6	4,9	8	3
P40310-M8	M 8	1,25	90	18	35	8	6,2	9	3
P40310-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P40360-M12	M 12	1,75	110	23	83	9	7	10	3
P40360-M14	M 14	2	110	25	81	11	9	12	3
P40360-M16	M 16	2	110	25	68	12	9	12	3
P40360-M20	M 20	2,5	140	30	95	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

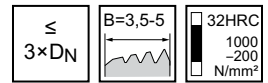
HSS-E machine taps

mm

Prototex® X-pert P

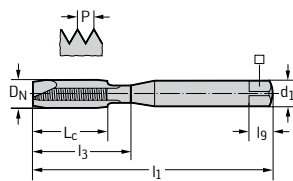


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

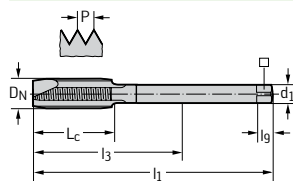
DIN 371



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P20330-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
	P20330-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
	P20330-M3.5	M 3.5	0,6	56	11	20	4	3	6	3
	P20330-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
	P20330-M5	M 5	0,8	70	13	25	6	4,9	8	3
P2033005-M6	P20330-M6	M 6	1	80	15	30	6	4,9	8	3
	P20330-M7	M 7	1	80	15	30	7	5,5	8	3
P2033005-M8	P20330-M8	M 8	1,25	90	18	35	8	6,2	9	3
P2033005-M10	P20330-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P20380-M5	M 5	0,8	70	13	49	3,5	2,7	6	3
P20380-M6	M 6	1	80	15	59	4,5	3,4	6	3
P20380-M8	M 8	1,25	90	18	67	6	4,9	8	3
P20380-M10	M 10	1,5	100	20	77	7	5,5	8	3
P20380-M12	M 12	1,75	110	23	83	9	7	10	3
P20380-M14	M 14	2	110	25	81	11	9	12	3
P20380-M16	M 16	2	110	25	68	12	9	12	3
P20380-M20	M 20	2,5	140	30	95	16	12	15	4
P20380-M24	M 24	3	160	36	113	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

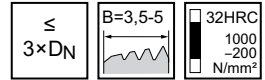
HSS-E machine taps

mm

Prototex® X-pert P

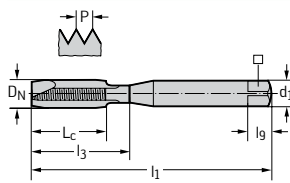


- Reduced number of grooves
- For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 371



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P2023005-M2	P20230-M2	M 2	0,4	45	6	9	2,8	2,1	5	2
	P20230-M2.3	M 2.3	0,4	45	7	12	2,8	2,1	5	2
P2023005-M2.5	P20230-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	2
	P20230-M2.6	M 2.6	0,45	50	8	12,5	2,8	2,1	5	2
P2023005-M3	P20230-M3	M 3	0,5	56	9	18	3,5	2,7	6	2
P2023005-M3.5	P20230-M3.5	M 3.5	0,6	56	11	20	4	3	6	2
P2023005-M4	P20230-M4	M 4	0,7	63	12	21	4,5	3,4	6	2
P2023005-M5	P20230-M5	M 5	0,8	70	13	25	6	4,9	8	2

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

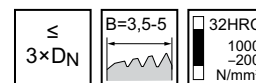
HSS-E machine taps

mm

Prototex® X-pert P

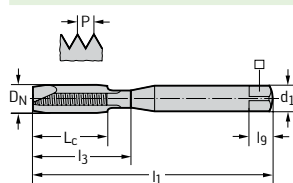


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

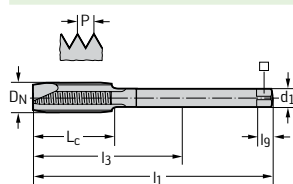
DIN 371



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P2034005-M2	P20340-M2	M 2	0,4	45	6	11	2,8	2,1	5	3
P2034005-M2.5	P20340-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
	P20340-M2.6	M 2.6	0,45	50	8	14	2,8	2,1	5	3
P2034005-M3	P20340-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
P2034005-M3.5	P20340-M3.5	M 3.5	0,6	56	11	20	4	3	6	3
P2034005-M4	P20340-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
P2034005-M5	P20340-M5	M 5	0,8	70	13	25	6	4,9	8	3
P2034005-M6	P20340-M6	M 6	1	80	15	30	6	4,9	8	3
P2034005-M8	P20340-M8	M 8	1,25	90	18	35	8	6,2	9	3
P2034005-M10	P20340-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P2039005-M12	P20390-M12	M 12	1,75	110	23	83	9	7	10	3
P2039005-M16	P20390-M16	M 16	2	110	25	68	12	9	12	3
P2039005-M20	P20390-M20	M 20	2,5	140	30	95	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

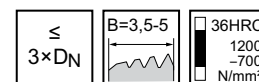
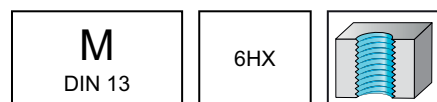
HSS-E machine taps

mm

Prototex® X-pert M

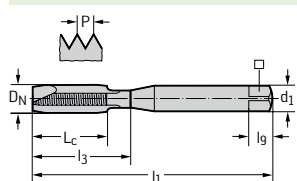


- For long-chipping materials



	P	M	K	N	S	H	O
TICN	●	●●					
TIN	●	●●					
VAP	●	●●					

DIN 371



Parallel shank

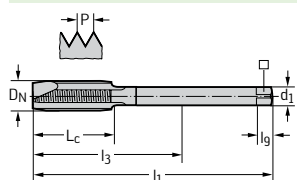
Designation TICN	Designation TIN	Designation VAP	D _N	l ₁ mm	L _c mm	l ₃ mm	d ₁	□ mm	l ₉ mm	N
							h9 mm			
		M20213-M1	M 1	40	5	5	2,5	2,1	5	2
		M20213-M1.2	M 1.2	40	5	5	2,5	2,1	5	2
		M20213-M1.4	M 1.4	40	7	6,5	2,5	2,1	5	2
		M20213-M1.6	M 1.6	40	7	7	2,5	2,1	5	2
		M20213-M1.7	M 1.7	40	7	7	2,5	2,1	5	2
		M20213-M1.8	M 1.8	40	7	7	2,5	2,1	5	2
M2021306-M2	M2021305-M2	M20213-M2	M 2	45	6	9	2,8	2,1	5	2
		M20213-M2.2	M 2.2	45	7	12	2,8	2,1	5	2
		M20213-M2.3	M 2.3	45	7	12	2,8	2,1	5	2
M2021306-M2.5	M2021305-M2.5	M20213-M2.5	M 2.5	50	8	12,5	2,8	2,1	5	2
		M20213-M2.6	M 2.6	50	8	12,5	2,8	2,1	5	2
M2021306-M3	M2021305-M3	M20213-M3	M 3	56	9	18	3,5	2,7	6	2
M2021306-M3.5	M2021305-M3.5	M20213-M3.5	M 3.5	56	11	20	4	3	6	2
M2021306-M4	M2021305-M4	M20213-M4	M 4	63	12	21	4,5	3,4	6	3
		M20213-M4.5	M 4.5	70	13	25	6	4,9	8	3
M2021306-M5	M2021305-M5	M20213-M5	M 5	70	13	25	6	4,9	8	3
M2021306-M6	M2021305-M6	M20213-M6	M 6	80	15	30	6	4,9	8	3
		M20213-M7	M 7	80	15	30	7	5,5	8	3
M2021306-M8	M2021305-M8	M20213-M8	M 8	90	18	35	8	6,2	9	3
M2021306-M10	M2021305-M10	M20213-M10	M 10	100	20	39	10	8	11	3

 $\leq M 1.4: 5HX$

≤ M 1.8: Without reduced neck after the thread

lg dimensions in accordance with DIN 10

DIN 376



Parallel shank

Designation TICN	Designation TIN	Designation VAP	D _N	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
M2026306-M5		M20263-M5	M 5	70	13	49	3,5	2,7	6	3
M2026306-M6		M20263-M6	M 6	80	15	59	4,5	3,4	6	3
M2026306-M8		M20263-M8	M 8	90	18	67	6	4,9	8	3
M2026306-M10		M20263-M10	M 10	100	20	77	7	5,5	8	3
M2026306-M12	M2026305-M12	M20263-M12	M 12	110	23	83	9	7	10	4
M2026306-M14	M2026305-M14	M20263-M14	M 14	110	25	81	11	9	12	4
M2026306-M16	M2026305-M16	M20263-M16	M 16	110	25	68	12	9	12	4
		M20263-M18	M 18	125	30	81	14	11	14	4
M2026306-M20	M2026305-M20	M20263-M20	M 20	140	30	95	16	12	15	4
		M20263-M22	M 22	140	30	93	18	14,5	17	4
M2026306-M24		M20263-M24	M 24	160	36	113	18	14,5	17	4
		M20263-M27	M 27	160	36	97	20	16	19	4
		M20263-M30	M 30	180	42	115	22	18	21	4
		M20263-M33	M 33	180	42	113	25	20	23	5
		M20263-M36	M 36	200	48	131	28	22	25	5

l_q dimensions in accordance with DIN 10

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

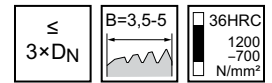
HSS-E machine taps

mm

Prototex® X-pert M



– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●	●●	●	●	●	●	●
VAP	●	●●	●	●	●	●	●

DIN 371	Designation	Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_g mm	N
	TICN	VAP								
	M2023306-M3	M20233-M3	M 3	0,5	56	9	18	3,5	2,7	6 2
	M2023306-M4	M20233-M4	M 4	0,7	63	12	21	4,5	3,4	6 3
	M2023306-M5	M20233-M5	M 5	0,8	70	13	25	6	4,9	8 3
	M2023306-M6	M20233-M6	M 6	1	80	15	30	6	4,9	8 3
	M2023306-M7	M20233-M7	M 7	1	80	15	30	7	5,5	8 3
	M2023306-M8	M20233-M8	M 8	1,25	90	18	35	8	6,2	9 3
	M2023306-M10	M20233-M10	M 10	1,5	100	20	39	10	8	11 3

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

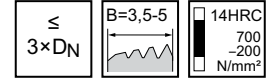
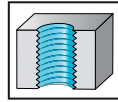
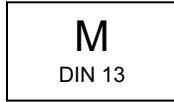
HSS-E machine taps

mm

Prototex® X-pert N

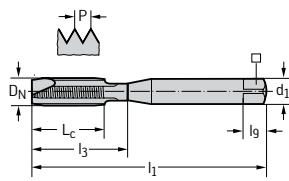


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
N20219-M2	M 2	0,4	45	6	9	2,8	2,1	5	2
N20219-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	2
N20219-M3	M 3	0,5	56	9	18	3,5	2,7	6	2
N20219-M4	M 4	0,7	63	12	21	4,5	3,4	6	2
N20219-M5	M 5	0,8	70	13	25	6	4,9	8	2
N20219-M6	M 6	1	80	15	30	6	4,9	8	3
N20219-M8	M 8	1,25	90	18	35	8	6,2	9	3
N20219-M10	M 10	1,5	100	20	39	10	8	11	3

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

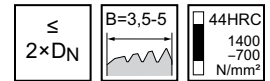
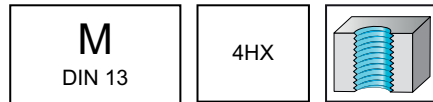
HSS-E PM machine taps

mm

Prototex® TiNi



- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	202061-M2	M 2	0,4	45	8	8	2,8	2,1	5	2
	202061-M2.5	M 2.5	0,45	50	9	9	2,8	2,1	5	2
	202061-M3	M 3	0,5	56	10	10	3,5	2,7	6	2
	202061-M3.5	M 3.5	0,6	56	12	12	4	3	6	3
	202061-M4	M 4	0,7	63	13	13	4,5	3,4	6	3
	202061-M5	M 5	0,8	70	16	16	6	4,9	8	3
	202061-M6	M 6	1	80	15	23	6	4,9	8	3
	202061-M8	M 8	1,25	90	18	29,5	8	6,2	9	3
	202061-M10	M 10	1,5	100	20	33,5	10	8	11	3

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

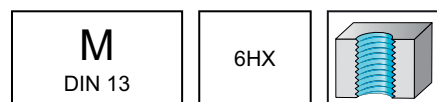
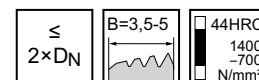
HSS-E PM machine taps

mm

Prototex® TiNi

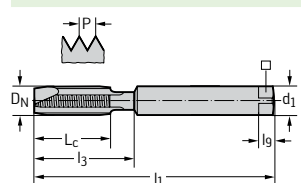


- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
TiCN	●●	●●	●●	●●	●●	●●	●●
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 371

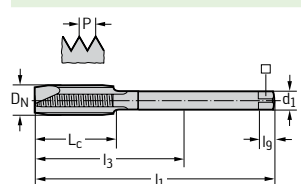


Parallel shank

Designation TiCN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	202161-M1	M 1	0,25	40	5	5	2,5	2,1	5	2
	202161-M1.2	M 1.2	0,25	40	5	5	2,5	2,1	5	2
	202161-M1.4	M 1.4	0,3	40	5	5	2,5	2,1	5	2
	202161-M1.6	M 1.6	0,35	40	5	5	2,5	2,1	5	2
	202161-M1.8	M 1.8	0,35	40	5	5	2,5	2,1	5	2
2021616-M2	202161-M2	M 2	0,4	45	8	8	2,8	2,1	5	2
	202161-M2.2	M 2.2	0,45	45	8	8	2,8	2,1	5	2
2021616-M2.5	202161-M2.5	M 2.5	0,45	50	9	9	2,8	2,1	5	2
2021616-M3	202161-M3	M 3	0,5	56	10	10	3,5	2,7	6	2
2021616-M3.5	202161-M3.5	M 3.5	0,6	56	12	12	4	3	6	3
2021616-M4	202161-M4	M 4	0,7	63	13	13	4,5	3,4	6	3
	202161-M4.5	M 4.5	0,75	70	13	13	6	4,9	8	3
2021616-M5	202161-M5	M 5	0,8	70	16	16	6	4,9	8	3
2021616-M6	202161-M6	M 6	1	80	15	23	6	4,9	8	3
2021616-M8	202161-M8	M 8	1,25	90	18	29,5	8	6,2	9	3
2021616-M10	202161-M10	M 10	1,5	100	20	33,5	10	8	11	3

≤ M 1.4: 5HX

DIN 376



Parallel shank

Designation TiCN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	2026616-M12	M 12	1,75	110	23	83	9	7	10	4
	2026616-M14	M 14	2	110	25	81	11	9	12	4
	2026616-M16	M 16	2	110	25	68	12	9	12	4
	2026616-M20	M 20	2,5	140	30	95	16	12	15	4
	2026616-M24	M 24	3	160	36	113	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

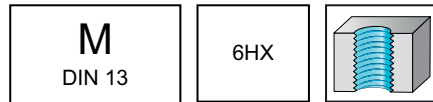
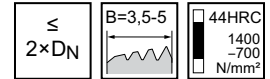
HSS-E PM machine taps

mm

Prototex® TiNi Plus



- Recommended with emulsion
- For long-chipping materials



	P	M	K	N	S	H	O
ACN					●●		

~DIN 371

Parallel shank

Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2021763-M2	M 2	0,4	45	8	8	2,8	2,1	5	2
2021763-M2.5	M 2.5	0,45	50	9	9	2,8	2,1	5	2
2021763-M3	M 3	0,5	56	10	10	3,5	2,7	6	2
2021763-M3.5	M 3.5	0,6	56	12	12	4	3	6	3
2021763-M4	M 4	0,7	63	13	13	4,5	3,4	6	3
2021763-M5	M 5	0,8	70	16	16	6	4,9	8	3
2021763-M6	M 6	1	80	15	23	6	4,9	8	3
2021763-M8	M 8	1,25	90	18	29,5	8	6,2	9	3
2021763-M10	M 10	1,5	100	20	33,5	10	8	11	3

DIN 376											
 Parallel shank	Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	 mm	l ₉ mm	N	
	2026763-M12	M 12	1,75	110	23	83	9	7	10	4	
	2026763-M16	M 16	2	110	25	68	12	9	12	4	
	2026763-M20	M 20	2,5	140	30	95	16	12	15	4	

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

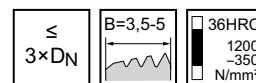
HSS-E PM machine taps

mm

Prototex® Sprint

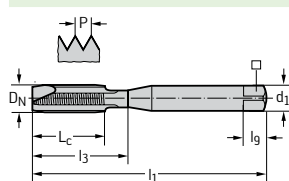


– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●	●	●	●	●	●	●
TIN	●	●	●	●	●	●	●

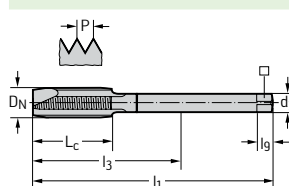
DIN 371



Parallel shank

Designation TICN	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
7021366-M3	7021365-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
7021366-M4	7021365-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
7021366-M5	7021365-M5	M 5	0,8	70	13	25	6	4,9	8	3
7021366-M6	7021365-M6	M 6	1	80	15	30	6	4,9	8	3
7021366-M8	7021365-M8	M 8	1,25	90	18	35	8	6,2	9	3
7021366-M10	7021365-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
7026365-M12	M 12	1,75	110	23	83	9	7	10	3
7026365-M14	M 14	2	110	25	81	11	9	12	3
7026365-M16	M 16	2	110	25	68	12	9	12	3
7026365-M20	M 20	2,5	140	30	95	16	12	15	3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

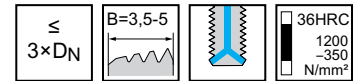
HSS-E PM machine taps

mm

Prototex® Megasprint

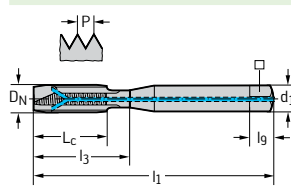


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●	●	●	●	●	●

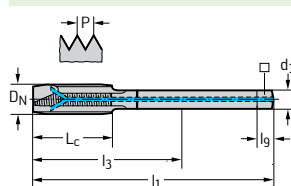
DIN 371



Parallel shank

Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
7021345-M6	M 6	1	80	15	30	6	4,9	8	3
7021345-M8	M 8	1,25	90	18	35	8	6,2	9	3
7021345-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
7026345-M12	M 12	1,75	110	23	83	9	7	10	3
7026345-M16	M 16	2	110	25	68	12	9	12	3
7026345-M20	M 20	2,5	140	30	95	16	12	15	3

C1

WALTER
SELECT

● ● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

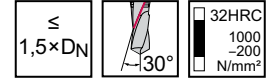
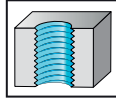
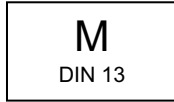
HSS-E machine taps

mm

Paradur® Combi



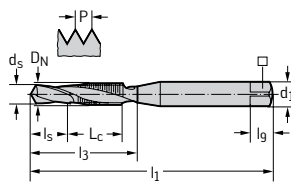
– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●	●			

Tool

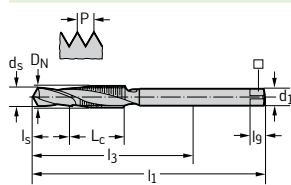
Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	d _s mm	l _s mm	l ₃ mm	d ₁ mm	□ mm	l _g mm	N
20417-M3	M 3	0,5	65	11	2,5	63	21	4	2,7	6	2



Parallel shank

Tool

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	d _s mm	l _s mm	l ₃ mm	d ₁ mm	□ mm	l _g mm	N
20467-M10	M 10	1,5	100	17	8,5	100	77	7	5,5	8	4



Parallel shank

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

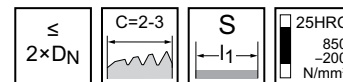
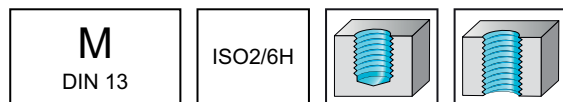
HSS hand-held tap set

mm

HGB

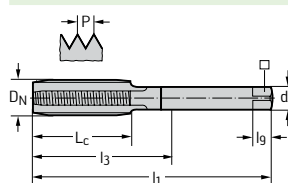


– For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●	●	●	●	●	●	●

DIN 352



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
30060-M2	M 2	0,4	36	8	8	2,8	2,1	5	3
30060-M2.5	M 2.5	0,45	40	9	9	2,8	2,1	5	3
30060-M3	M 3	0,5	40	9	13,5	3,5	2,7	6	3
30060-M4	M 4	0,7	45	11	16,5	4,5	3,4	6	3
30060-M5	M 5	0,8	50	13	19	6	4,9	8	3
30060-M6	M 6	1	56	15	27	6	4,9	8	3
30060-M8	M 8	1,25	63	19	40	6	4,9	8	3
30060-M10	M 10	1,5	70	22	47	7	5,5	8	3
30060-M12	M 12	1,75	75	25	48	9	7	10	4
30060-M16	M 16	2	80	25	38	12	9	12	4
30060-M20	M 20	2,5	95	32	50	16	12	15	4
30060-M24	M 24	3	110	34	63	18	14,5	17	4
30060-M30	M 30	3,5	125	40	60	22	18	21	4

Ordering code includes initial, intermediate and final cutter.
 ≤ M 2.5: Without reduced neck after the thread

C1

**WALTER
SELECT**

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

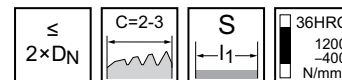
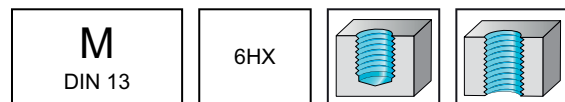
HSS-E hand-held tap set

mm

HGB Inox

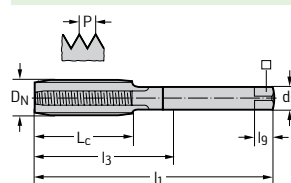


– For long-chipping materials



	P	M	K	N	S	H	O
VAP	●	●	●	●	●	●	●

DIN 352



Parallel shank

Designation VAP	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
30063-M2	M 2	0,4	36	8	7	2,8	2,1	5	3
30063-M2.5	M 2.5	0,45	40	9	7,9	2,8	2,1	5	3
30063-M3	M 3	0,5	40	9	7,8	3,5	2,7	6	3
30063-M4	M 4	0,7	45	11	9,3	4,5	3,4	6	3
30063-M5	M 5	0,8	50	13	11	6	4,9	8	3
30063-M6	M 6	1	56	15	12,5	6	4,9	8	3
30063-M8	M 8	1,25	63	19	15,9	6	4,9	8	3
30063-M10	M 10	1,5	70	22	18,3	7	5,5	8	4
30063-M12	M 12	1,75	75	25	20,6	9	7	10	4
30063-M16	M 16	2	80	25	20	12	9	12	4
30063-M20	M 20	2,5	95	32	25,8	16	12	15	4
30063-M24	M 24	3	110	34	26,5	18	14,5	17	4
30063-M30	M 30	3,5	125	40	31,3	22	18	21	4

Ordering code includes initial, intermediate and final cutter.
≤ M 2.5: Without reduced neck after the thread

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

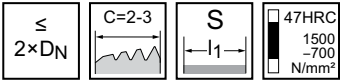
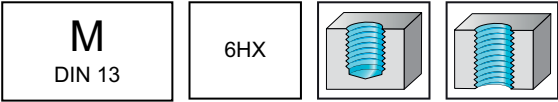
HSS-E hand-held tap set

mm

HGB Ti



– For long-chipping materials



	P	M	K	N	S	H	O
NID					●		

DIN 352										
	Designation		P	l ₁	L _c	l ₃	d ₁ h9	mm	l ₉	N
	NID	D _N	mm	mm	mm	mm	mm	mm	mm	
	30016-M3	M 3	0,5	40	9	7,8	3,5	2,7	6	3
	30016-M4	M 4	0,7	45	11	9,3	4,5	3,4	6	3
	30016-M5	M 5	0,8	50	13	11	6	4,9	8	3
	30016-M6	M 6	1	56	15	12,5	6	4,9	8	3
	30016-M8	M 8	1,25	63	19	15,9	6	4,9	8	4
	30016-M10	M 10	1,5	70	22	18,3	7	5,5	8	4
Parallel shank	30016-M12	M 12	1,75	75	25	20,6	9	7	10	4

Ordering code includes initial, intermediate and final cutter.

HSS-E taps, short

mm

KMB WST

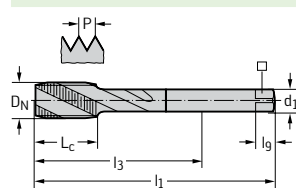


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●	●			

DIN 2184-2



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20167-M3	M 3	0,5	40	6	13,5	3,5	2,7	6	3
20167-M4	M 4	0,7	45	7	16,5	4,5	3,4	6	3
20167-M5	M 5	0,8	50	8	19	6	4,9	8	3
20167-M6	M 6	1	56	10	27	6	4,9	8	3
20167-M8	M 8	1,25	63	12	40	6	4,9	8	3
20167-M10	M 10	1,5	70	15	47	7	5,5	8	3
20167-M12	M 12	1,75	75	16	48	9	7	10	3

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

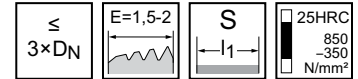
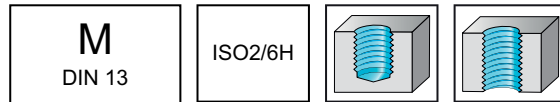
HSS-E taps, short

mm

KMB Ms

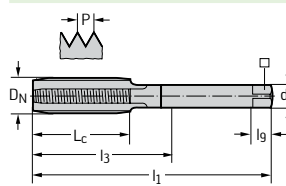


– For short-chipping materials



	P	M	K	N	S	H	O
uncoated				●●			●

DIN 2184-2



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
20165-M2	M 2	0,4	36	8	8	2,8	2,1	5	3
20165-M2.5	M 2.5	0,45	40	9	9	2,8	2,1	5	3
20165-M3	M 3	0,5	40	9	13,5	3,5	2,7	6	3
20165-M3.5	M 3.5	0,6	45	10	15	4	3	6	3
20165-M4	M 4	0,7	45	11	16,5	4,5	3,4	6	3
20165-M5	M 5	0,8	50	13	19	6	4,9	8	3
20165-M6	M 6	1	56	15	27	6	4,9	8	3
20165-M8	M 8	1,25	63	19	40	6	4,9	8	3

≤ M 2.5: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

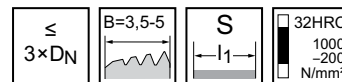
HSS-E taps, short

mm

KMB H

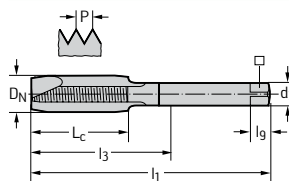


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			●

DIN 2184-2										
Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	
20160-M3	M 3	0,5	40	9	13,5	3,5	2,7	6	3	
20160-M4	M 4	0,7	45	11	16,5	4,5	3,4	6	3	
20160-M5	M 5	0,8	50	13	19	6	4,9	8	3	
20160-M6	M 6	1	56	15	27	6	4,9	8	3	
20160-M8	M 8	1,25	63	19	40	6	4,9	8	3	
20160-M10	M 10	1,5	70	22	47	7	5,5	8	3	
20160-M12	M 12	1,75	75	25	48	9	7	10	3	



Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

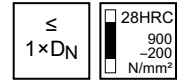
HSS-E nut taps

mm

MMB

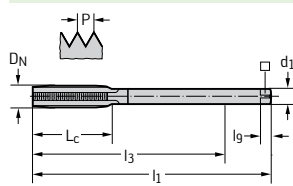


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●						

DIN 357



Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h12 mm	□ mm	l _g mm	N
20890-M2	M 2	0,4	66	16	47	1,4	1,1	4	3
20890-M2.5	M 2.5	0,45	70	20	51	1,7	1,3	4	3
20890-M3	M 3	0,5	70	22	51	2,2	1,8	4	3
20890-M4	M 4	0,7	90	25	70	2,8	2,1	5	3
20890-M5	M 5	0,8	100	28	79	3,5	2,7	6	3
20890-M6	M 6	1	110	32	89	4,5	3,4	6	3
20890-M8	M 8	1,25	125	40	102	6	4,9	8	3
20890-M10	M 10	1,5	140	45	117	7	5,5	8	3
20890-M12	M 12	1,75	180	50	153	9	7	10	3
20890-M16	M 16	2	200	63	158	12	9	12	3

C1

WALTER
SELECT

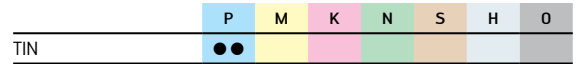
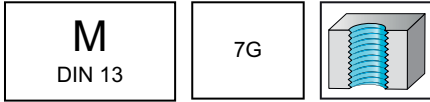
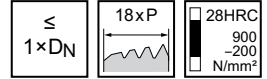
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E automatic taps

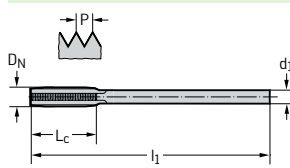
mm

AMB


– For long-chipping materials



AMB-NORM



Cylindrical shank

MAS 14, T-STAR 10

Designation TIN	DN	P mm	l ₁ mm	L _c mm	d ₁ h12 mm	N
2084805-M5	M 5	0,8	271	19	3,9	5
2084805-M6	M 6	1	271	24	4,6	5
2084805-M8	M 8	1,25	271	30	6,1	5
2084805-M10	M 10	1,5	271	36	8	5

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E automatic taps

mm

AMB Inox



– For long-chipping materials

M
DIN 13

6HX

≤
1×D_N

18×P

33HRC
1100
~400
N/mm²

	P	M	K	N	S	H	O
NID		●●					

AMB-NORM							
	Designation NID	D _N	P mm	l ₁ mm	L _c mm	d ₁ h12 mm	N
	20844-M6	M 6	1	271	24	4,6	5
	20844-M8	M 8	1,25	271	30	6,1	5
	20844-M10	M 10	1,5	271	36	8	5
	20844-M12	M 12	1,75	271	42	9,4	5
Cylindrical shank							
MAS 14, T-STAR 10							

WALTER
SELECT

●● Primary application ● Other application

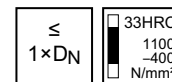
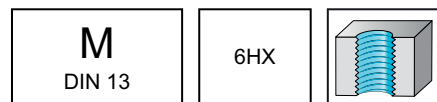
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E stepped AMB

mm

Protostep Inox

- For long-chipping materials
- Three-stage



	P	M	K	N	S	H	O
VAP		●●					

AMB-NORM

Designation VAP	D _N	P mm	l ₁ mm	L _c mm	d ₁ h12 mm	N
20944-M5	M 5	0,8	271	19	3,9	3
20944-M6	M 6	1	271	24	4,6	3
20944-M8	M 8	1,25	271	30	6,1	3
20944-M10	M 10	1,5	271	36	8	3
20944-M12	M 12	1,75	271	42	9,4	4

Cylindrical shank

MAS 14, T-STAR 10

AMB-NORM

Designation VAP	D _N	P mm	l ₁ mm	L _c mm	d ₁ h12 mm	N
20954-M14	M 14	2	435	48	11,1	4
20954-M16	M 16	2	435	48	13,2	4

Cylindrical shank

MAS 20, T-STAR 20

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

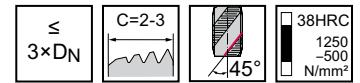
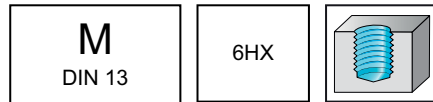
HSS-E PM machine taps

mm

Paradur® Eco Plus



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			
TIN	●●	●●	●●	●●			

~DIN 371

Parallel shank

Designation THL	Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2051302-M2	EP2051305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2051302-M2.5	EP2051305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2051302-M3	EP2051305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051302-M4	EP2051305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051302-M5	EP2051305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051302-M6	EP2051305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051302-M8	EP2051305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051302-M10	EP2051305-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376

Parallel shank

Designation THL	Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	 mm	l _g mm	N
EP2056302-M12	EP2056305-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056302-M14	EP2056305-M14	M 14	2	110	20	81	11	9	12	4
EP2056302-M16	EP2056305-M16	M 16	2	110	20	68	12	9	12	4
EP2056302-M18	EP2056305-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056302-M20	EP2056305-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056302-M24	EP2056305-M24	M 24	3	160	30	113	18	14,5	17	4
EP2056302-M27		M 27	3	160	30	97	20	16	19	4
EP2056302-M30		M 30	3,5	180	35	115	22	18	21	4
EP2056302-M36		M 36	4	200	40	131	28	22	25	4
EP2056302-M42		M 42	4,5	200	45	102	32	24	27	5
EP2056302-M48		M 48	5	250	50	147	36	29	32	5
EP2056302-M56		M 56	5,5	250	55	120	40	32	35	5
EP2056302-M64		M 64	6	315	60	178	50	39	42	6

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

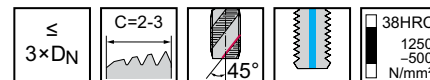
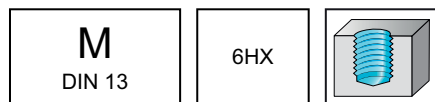
HSS-E PM machine taps

mm

Paradur® Eco Plus

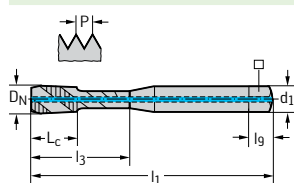


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

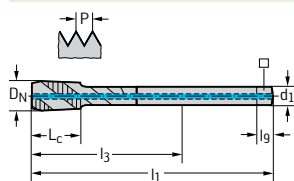
~DIN 371



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2051312-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051312-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051312-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051312-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051312-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2056312-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056312-M16	M 16	2	110	20	68	12	9	12	4
EP2056312-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056312-M24	M 24	3	160	30	113	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

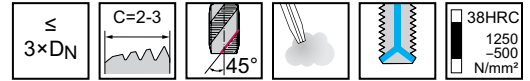
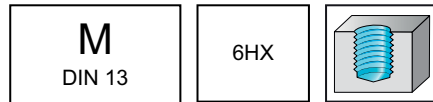
HSS-E PM machine taps

mm

Paradur® Eco Plus

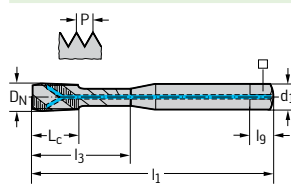


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

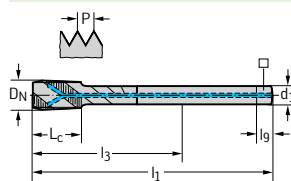
DIN 371



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2051342-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051342-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2056342-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056342-M16	M 16	2	110	20	68	12	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

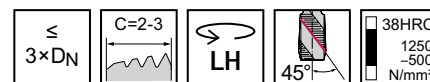
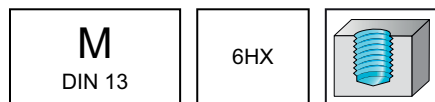
HSS-E PM machine taps

mm

Paradur® Eco Plus

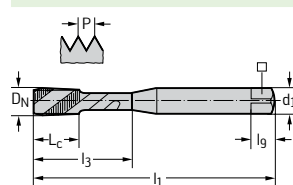


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

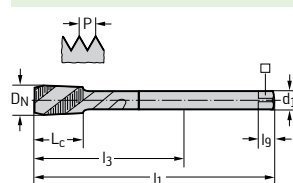
~DIN 371



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2051382-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2051382-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051382-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051382-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051382-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2051382-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2056382-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056382-M14	M 14	2	110	20	81	11	9	12	4
EP2056382-M16	M 16	2	110	20	68	12	9	12	4
EP2056382-M18	M 18	2,5	125	25	81	14	11	14	4
EP2056382-M20	M 20	2,5	140	25	95	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

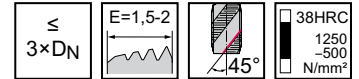
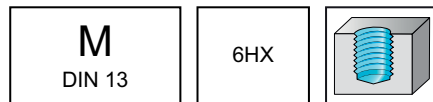
HSS-E PM machine taps

mm

Paradur® Eco Plus



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 371

Parallel shank

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2051362-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051362-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051362-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051362-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051362-M10	M 10	1,5	100	15	39	10	8	11	4

Parallel shank

DIN 376

Parallel shank

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2056362-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056362-M16	M 16	2	110	20	68	12	9	12	4
EP2056362-M20	M 20	2,5	140	25	95	16	12	15	4
EP2056362-M24	M 24	3	160	30	113	18	14,5	17	5

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

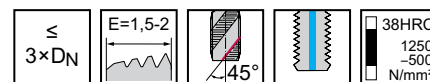
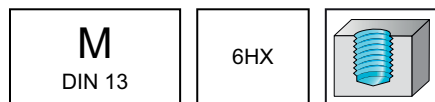
HSS-E PM machine taps

mm

Paradur® Eco Plus

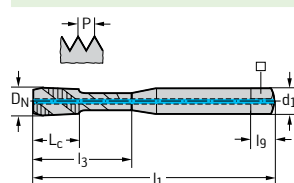


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

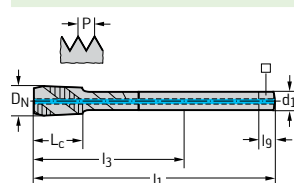
~DIN 371



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2051352-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2051352-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2051352-M6	M 6	1	80	10	25	6	4,9	8	3
EP2051352-M8	M 8	1,25	90	12	35	8	6,2	9	4
EP2051352-M10	M 10	1,5	100	15	39	10	8	11	4

DIN 376



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2056352-M12	M 12	1,75	110	16	83	9	7	10	4
EP2056352-M16	M 16	2	110	20	68	12	9	12	4
EP2056352-M20	M 20	2,5	140	25	95	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

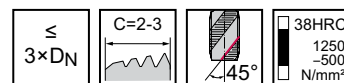
HSS-E PM machine taps

mm

Paradur® Eco Plus

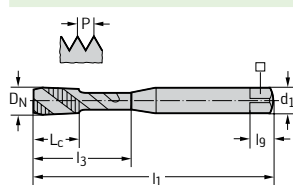


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			
TIN	●●	●●	●●	●●			

~DIN 371

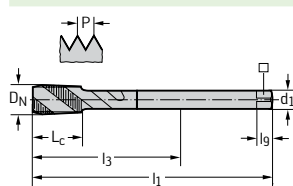


Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2053302-M2	EP2053305-M2	M 2	0,4	45	4	7,6	2,8	2,1	5	3
EP2053302-M2.5	EP2053305-M2.5	M 2.5	0,45	50	4	9,3	2,8	2,1	5	3
EP2053302-M3	EP2053305-M3	M 3	0,5	56	6	11	3,5	2,7	6	3
EP2053302-M4	EP2053305-M4	M 4	0,7	63	7	14,8	4,5	3,4	6	3
EP2053302-M5	EP2053305-M5	M 5	0,8	70	8	20,7	6	4,9	8	3
EP2053302-M6	EP2053305-M6	M 6	1	80	10	25	6	4,9	8	3
EP2053302-M8	EP2053305-M8	M 8	1,25	90	12	35	8	6,2	9	3
EP2053302-M10	EP2053305-M10	M 10	1,5	100	15	39	10	8	11	3

≤ M 2.5: Without thread taper

DIN 376



Parallel shank

Designation THL	Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2058302-M12	EP2058305-M12	M 12	1,75	110	16	83	9	7	10	4
EP2058302-M14	EP2058305-M14	M 14	2	110	20	81	11	9	12	4
EP2058302-M16	EP2058305-M16	M 16	2	110	20	68	12	9	12	4

C1

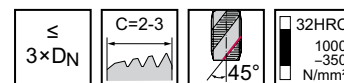
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

HSS-E machine taps

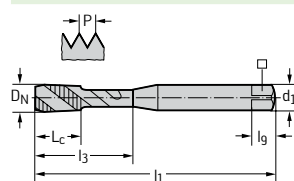
TC115 Perform mm


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●			
WY80FC	●●	●●	●●	●			

DIN 371

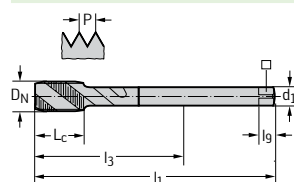


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA	WY80FC
TC115-M1.6-C0-	M 1.6	0,35	40	6	6	2,5	2,1	5	2	●●	●●
TC115-M2-C0-	M 2	0,4	45	4	9	2,8	2,1	5	3	●●	●●
TC115-M2.5-C0-	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3	●●	●●
TC115-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	3	●●	●●
TC115-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	3	●●	●●
TC115-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	3	●●	●●
TC115-M6-C0-	M 6	1	80	10	30	6	4,9	8	3	●●	●●
TC115-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	3	●●	●●
TC115-M10-C0-	M 10	1,5	100	15	39	10	8	11	3	●●	●●

Ordering example for the grade WY80AA: TC115-M1.6-C0-WY80AA

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA	WY80FC
TC115-M12-L0-	M 12	1,75	110	16	83	9	7	10	3	●●	●●
TC115-M14-L0-	M 14	2	110	20	81	11	9	12	3	●●	●●
TC115-M16-L0-	M 16	2	110	20	68	12	9	12	3	●●	●●
TC115-M20-L0-	M 20	2,5	140	25	95	16	12	15	4	●●	●●

Ordering example for the grade WY80AA: TC115-M12-L0-WY80AA

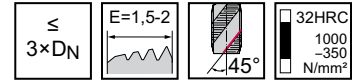
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

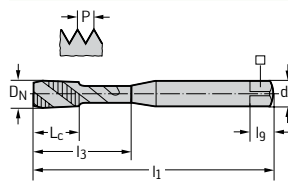
TC115 Perform mm

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●	●●	●●	●●

DIN 371

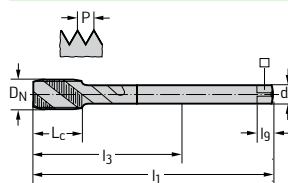


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC115-M3-CE-	M 3	0,5	56	6	18	3,5	2,7	6	3	●●
TC115-M4-CE-	M 4	0,7	63	7	21	4,5	3,4	6	3	●●
TC115-M5-CE-	M 5	0,8	70	8	25	6	4,9	8	3	●●
TC115-M6-CE-	M 6	1	80	10	30	6	4,9	8	3	●●
TC115-M8-CE-	M 8	1,25	90	12	35	8	6,2	9	3	●●
TC115-M10-CE-	M 10	1,5	100	15	39	10	8	11	3	●●

Parallel shank

Ordering example for the grade WY80AA: TC115-M10-CE-WY80AA

DIN 376



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC115-M12-LE-	M 12	1,75	110	16	83	9	7	10	3	●●
TC115-M14-LE-	M 14	2	110	20	81	11	9	12	3	●●
TC115-M16-LE-	M 16	2	110	20	68	12	9	12	3	●●
TC115-M20-LE-	M 20	2,5	140	25	95	16	12	15	4	●●

Parallel shank

Ordering example for the grade WY80AA: TC115-M12-LE-WY80AA

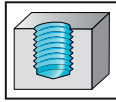
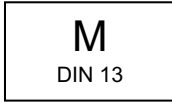
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E tap set 1 TC115 Perform



– Universal tap set



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●			
WY80FC	●●	●●	●●	●			

Tool	Designation	DN	Quantity	WY80AA	WY80FC
	TC115-SET1-M3-M12-	M 3 – M 12	7	☒	☒

Bodies and assembly parts are included in the scope of delivery | Ordering example for the grade WY80AA: TC115-SET1-M3-M12-WY80AA

C1

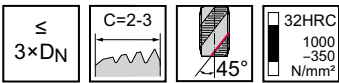
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☒ machining conditions

HSS-E tap set 2
TC115 Perform



- Universal tap set
- Incl. Core-hole drill



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●			
WY80FC	●●	●●	●●	●			

Tool						WY80AA	WY80FC
Designation	D _N	Sets dia. mm	Sets dia. mm	Quantity			
TC115-SET2-M3-M12-	M 3 – M 12	2,5	10,2	14		☒	☒

Bodies and assembly parts are included in the scope of delivery | Ordering example for the grade WY80AA: TC115-SET2-M3-M12-WY80AA

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☒ machining conditions

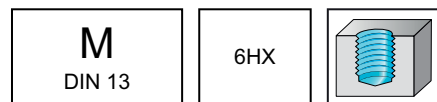
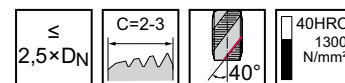
HSS-E machine taps

mm

Paradur® Synchrospeed



- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
TIN/VAP	●●	●●	●●	●	●		●
THL	●●	●●	●●	●	●		●

~DIN 371	Designation THL	Designation TIN/VAP	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
	S2051302-M2	S2051305-M2	M 2	0,4	70	4	7,6	6	4,9	8	3
	S2051302-M2.5	S2051305-M2.5	M 2.5	0,45	70	4,5	9,3	6	4,9	8	3
	S2051302-M3	S2051305-M3	M 3	0,5	70	5	11	6	4,9	8	3
	S2051302-M4	S2051305-M4	M 4	0,7	70	7	14,8	6	4,9	8	3
	S2051302-M5	S2051305-M5	M 5	0,8	70	8,5	20,7	6	4,9	8	3
	S2051302-M6	S2051305-M6	M 6	1	80	10,5	25	6	4,9	8	3
	S2051302-M8	S2051305-M8	M 8	1,25	90	13,5	35	8	6,2	9	3
	S2051302-M10	S2051305-M10	M 10	1,5	100	16	39	10	8	11	3

~DIN 376	Designation THL	Designation TIN/VAP	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
	S2056302-M12	S2056305-M12	M 12	1,75	110	18,5	42	12	9	12	3
	S2056302-M14	S2056305-M14	M 14	2	110	21	49	14	11	14	3
	S2056302-M16	S2056305-M16	M 16	2	110	21	55	16	12	15	4
	S2056302-M20	S2056305-M20	M 20	2,5	140	26,5	95	16	12	15	4
	S2056302-M24	S2056305-M24	M 24	3	160	32	97	20	16	19	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

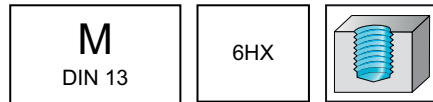
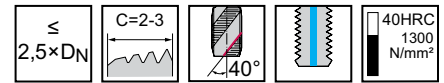
HSS-E machine taps

mm

Paradur® Synchrospeed

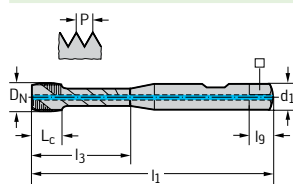


- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
TIN/VAP	●●	●●	●●	●●	●●	●●	●●
THL	●●	●●	●●	●●	●●	●●	●●

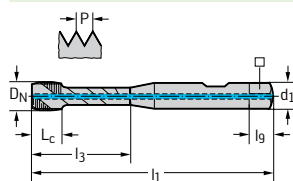
~DIN 371



Parallel shank

Designation THL	Designation TIN/VAP	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	mm	l _g mm	N
S2051312-M5	S2051315-M5	M 5	0,8	70	8,5	20,7	6	4,9	8	3
S2051312-M6	S2051315-M6	M 6	1	80	10,5	25	6	4,9	8	3
S2051312-M8	S2051315-M8	M 8	1,25	90	13,5	35	8	6,2	9	3
S2051312-M10	S2051315-M10	M 10	1,5	100	16	39	10	8	11	3

~DIN 376



Parallel shank

Designation THL	Designation TIN/VAP	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	mm	l _g mm	N
S2056312-M12	S2056315-M12	M 12	1,75	110	18,5	42	12	9	12	3
S2056312-M14	S2056315-M14	M 14	2	110	21	49	14	11	14	3
S2056312-M16	S2056315-M16	M 16	2	110	21	55	16	12	15	4
S2056312-M20	S2056315-M20	M 20	2,5	140	26,5	95	16	12	15	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

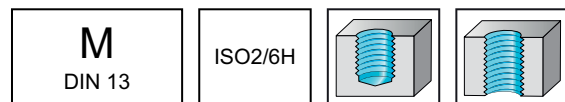
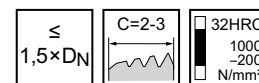
HSS-E machine taps

mm

Paradur® H

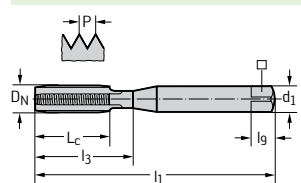


– For long- and short-chipping materials



	P	M	K	N	S	H	O
TIN			●	●			●
uncoated			●	●			●

DIN 371



Parallel shank

Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	 mm	l ₉ mm	N
	20311-M1	M 1	0,25	40	5	5	2,5	2,1	5	3
	20311-M1.2	M 1.2	0,25	40	5	5	2,5	2,1	5	3
	20311-M1.4	M 1.4	0,3	40	6,5	6,5	2,5	2,1	5	3
	20311-M1.6	M 1.6	0,35	40	7	7	2,5	2,1	5	3
	20311-M1.7	M 1.7	0,35	40	7	7	2,5	2,1	5	3
	20311-M1.8	M 1.8	0,35	40	7	7	2,5	2,1	5	3
	20311-M2	M 2	0,4	45	6	9	2,8	2,1	5	3
	20311-M2.3	M 2.3	0,4	45	7	12	2,8	2,1	5	3
	20311-M2.2	M 2.2	0,45	45	7	12	2,8	2,1	5	3
	20311-M2.5	M 2.5	0,45	50	8	12,5	2,8	2,1	5	3
	20311-M2.6	M 2.6	0,45	50	8	12,5	2,8	2,1	5	3
203115-M3	20311-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
203115-M3.5	20311-M3.5	M 3.5	0,6	56	11	20	4	3	6	3
203115-M4	20311-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
203115-M5	20311-M5	M 5	0,8	70	13	25	6	4,9	8	3
203115-M6	20311-M6	M 6	1	80	15	30	6	4,9	8	3
203115-M7	20311-M7	M 7	1	80	15	30	7	5,5	8	3
203115-M8	20311-M8	M 8	1,25	90	18	35	8	6,2	9	3
203115-M10	20311-M10	M 10	1,5	100	20	39	10	8	11	3

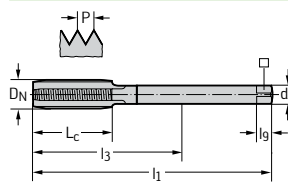
≤ M 1.4: 5H

≤ M 1.8: Without reduced neck after the thread

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

DIN 376



Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
20361-M2	M 2	0,4	45	6	26	1,4	1,1	4	3
20361-M2.5	M 2.5	0,45	50	8	31	1,8	1,4	4	3
20361-M3	M 3	0,5	56	9	37	2,2	1,8	4	3
20361-M4	M 4	0,7	63	12	43	2,8	2,1	5	3
20361-M5	M 5	0,8	70	13	49	3,5	2,7	6	3
20361-M6	M 6	1	80	15	59	4,5	3,4	6	3
20361-M8	M 8	1,25	90	18	67	6	4,9	8	3
20361-M10	M 10	1,5	100	20	77	7	5,5	8	3
20361-M12	M 12	1,75	110	23	83	9	7	10	3
20361-M14	M 14	2	110	25	81	11	9	12	3
20361-M16	M 16	2	110	25	68	12	9	12	3
20361-M18	M 18	2,5	125	30	81	14	11	14	4
20361-M20	M 20	2,5	140	30	95	16	12	15	4
20361-M24	M 24	3	160	36	113	18	14,5	17	4
20361-M27	M 27	3	160	36	97	20	16	19	4
20361-M30	M 30	3,5	180	42	115	22	18	21	4
20361-M33	M 33	3,5	180	42	113	25	20	23	4
20361-M36	M 36	4	200	48	131	28	22	25	4
20361-M42	M 42	4,5	200	54	102	32	24	27	4

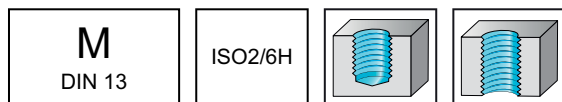
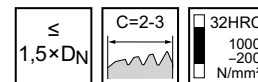
HSS-E machine taps

mm

Paradur® H AZ

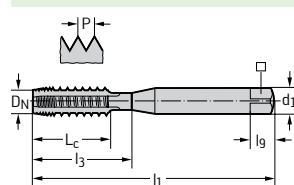


- For long- and short-chipping materials
- For thin-walled workpieces



	P	M	K	N	S	H	O
uncoated			●●	●●			●

DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
40311-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
40311-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
40311-M5	M 5	0,8	70	13	25	6	4,9	8	3
40311-M6	M 6	1	80	15	30	6	4,9	8	3
40311-M8	M 8	1,25	90	18	35	8	6,2	9	3

C1

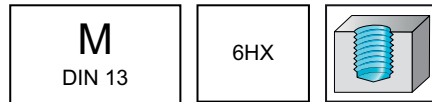
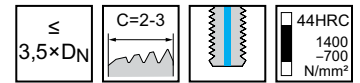
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

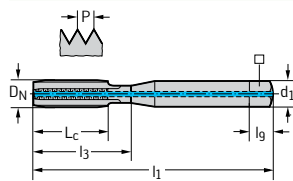
TC130 Supreme mm

- WY80AA: Good Performance
- WY80EH: Excellent Performance



	P	M	K	N	S	H	O
WY80AA	●●		●●	●			●
WY80EH	●●		●●	●			●

DIN 371

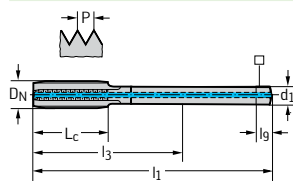


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA	WY80EH
TC130-M4-C1-	M 4	0,7	63	12	21	4,5	3,4	6	3	●●	●●
TC130-M5-C1-	M 5	0,8	70	13	25	6	4,9	8	3	●●	●●
TC130-M6-C1-	M 6	1	80	15	30	6	4,9	8	3	●●	●●
TC130-M8-C1-	M 8	1,25	90	18	35	8	6,2	9	3	●●	●●
TC130-M10-C1-	M 10	1,5	100	20	39	10	8	11	3	●●	●●

Ordering example for the grade WY80AA: TC130-M10-C1-WY80AA

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA	WY80EH
TC130-M12-L1-	M 12	1,75	110	23	83	9	7	10	3	●●	●●
TC130-M14-L1-	M 14	2	110	25	81	11	9	12	3	●●	●●
TC130-M16-L1-	M 16	2	110	25	68	12	9	12	3	●●	●●
TC130-M20-L1-	M 20	2,5	140	30	95	16	12	15	3	●●	●●
TC130-M22-L1-	M 22	2,5	140	30	93	18	14,5	17	3	●●	●●
TC130-M24-L1-	M 24	3	160	36	113	18	14,5	17	4	●●	●●
TC130-M27-L1-	M 27	3	160	36	97	20	16	19	4	●●	●●
TC130-M30-L1-	M 30	3,5	180	42	115	22	18	21	4	●●	●●
TC130-M36-L1-	M 36	4	200	48	131	28	22	25	5	●●	●●
TC130-M42-L1-	M 42	4,5	200	54	102	32	24	27	5	●●	●●

Ordering example for the grade WY80AA: TC130-M12-L1-WY80AA

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

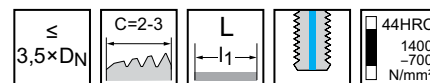
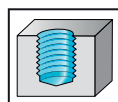
TC130 Supreme mm



- WY80AA: Good Performance
- WY80EH: Excellent Performance

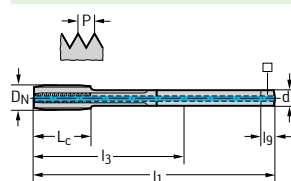
M
DIN 13

6HX



	P	M	K	N	S	H	O
WY80AA	●●		●●	●			●
WY80EH	●●		●●	●			●

~DIN 376 L



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA	WY80EH
TC130-M8-LG-	M 8	1,25	110	18	87	6	4,9	8	3	●●	●●
TC130-M10-LG-	M 10	1,5	125	20	102	7	5,5	8	3	●●	●●
TC130-M12-LG-	M 12	1,75	140	23	113	9	7	10	3	●●	●●
TC130-M14-LG-	M 14	2	140	25	111	11	9	12	3	●●	
TC130-M16-LG-	M 16	2	160	25	118	12	9	12	3	●●	●●
TC130-M20-LG-	M 20	2,5	180	30	135	16	12	15	3	●●	●●
TC130-M22-LG-	M 22	2,5	200	30	153	18	14,5	17	3	●●	
TC130-M24-LG-	M 24	3	200	36	153	18	14,5	17	4	●●	●●
TC130-M27-LG-	M 27	3	225	36	162	20	16	19	4	●●	
TC130-M30-LG-	M 30	3,5	250	42	185	22	18	21	4	●●	●●
TC130-M33-LG-	M 33	3,5	275	42	208	25	20	23	4	●●	
TC130-M36-LG-	M 36	4	300	48	231	28	22	25	5	●●	●●
TC130-M42-LG-	M 42	4,5	350	54	252	32	24	27	5	●●	

Ordering example for the grade WY80AA: TC130-M10-LG-WY80AA

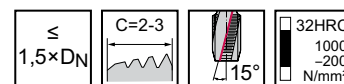
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

Paradur® N

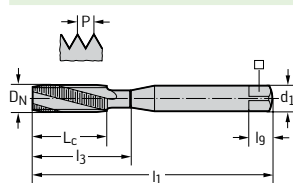


– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●●		●●	●●			
TIN	●●		●●	●●			
uncoated	●●		●●	●●			

DIN 371

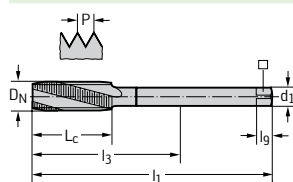


Parallel shank

Designation TICN	Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	lg mm	N
		20410-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
		20410-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
	204105-M3	20410-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
		20410-M3.5	M 3.5	0,6	56	6,5	20	4	3	6	3
2041006-M4	204105-M4	20410-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
2041006-M5	204105-M5	20410-M5	M 5	0,8	70	8	25	6	4,9	8	3
2041006-M6	204105-M6	20410-M6	M 6	1	80	10	30	6	4,9	8	3
		20410-M7	M 7	1	80	10	30	7	5,5	8	3
2041006-M8	204105-M8	20410-M8	M 8	1,25	90	12	35	8	6,2	9	3
2041006-M10	204105-M10	20410-M10	M 10	1,5	100	15	39	10	8	11	3

lg dimensions in accordance with DIN 10

DIN 376



Parallel shank

Designation TICN	Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	lg mm	N
		20460-M3	M 3	0,5	56	6	37	2,2	1,8	4	3
		20460-M4	M 4	0,7	63	7	43	2,8	2,1	5	3
		20460-M5	M 5	0,8	70	8	49	3,5	2,7	6	3
		20460-M6	M 6	1	80	10	59	4,5	3,4	6	3
		20460-M8	M 8	1,25	90	13	67	6	4,9	8	3
		20460-M10	M 10	1,5	100	15	77	7	5,5	8	3
2046006-M12	204605-M12	20460-M12	M 12	1,75	110	16	83	9	7	10	3
2046006-M14	204605-M14	20460-M14	M 14	2	110	20	81	11	9	12	3
2046006-M16	204605-M16	20460-M16	M 16	2	110	20	68	12	9	12	3
		20460-M18	M 18	2,5	125	25	81	14	11	14	4
2046006-M20	204605-M20	20460-M20	M 20	2,5	140	25	95	16	12	15	4
		20460-M22	M 22	2,5	140	25	93	18	14,5	17	4
		20460-M24	M 24	3	160	30	113	18	14,5	17	4
		20460-M30	M 30	3,5	180	35	115	22	18	21	4
		20460-M36	M 36	4	200	40	131	28	22	25	4

lg dimensions in accordance with DIN 10

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

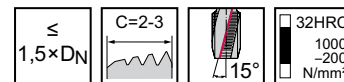
HSS-E machine taps

mm

Paradur® N

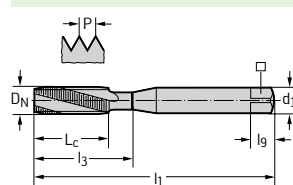


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●	●●	●●	●	●	●

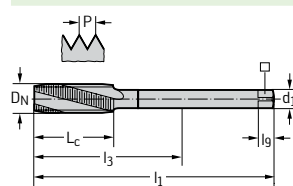
DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20430-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
20430-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
20430-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
20430-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
20430-M5	M 5	0,8	70	8	25	6	4,9	8	3
20430-M6	M 6	1	80	10	30	6	4,9	8	3
20430-M8	M 8	1,25	90	12	35	8	6,2	9	3
20430-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20480-M12	M 12	1,75	110	16	83	9	7	10	3
20480-M16	M 16	2	110	20	68	12	9	12	3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

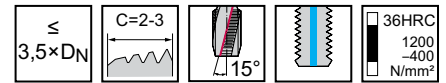
HSS-E machine taps

mm

Paradur® NH

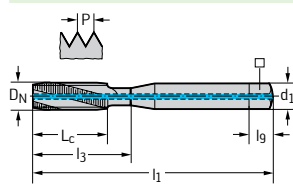


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●	●	●●	●	●	●	●
uncoated	●●	●	●●	●	●	●	●

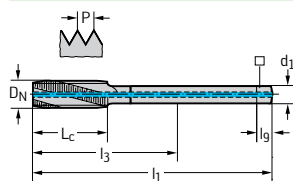
DIN 371



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2041215-M4		M 4	0,7	63	12	21	4,5	3,4	6	3
2041215-M5	2041210-M5	M 5	0,8	70	13	25	6	4,9	8	3
2041215-M6	2041210-M6	M 6	1	80	15	30	6	4,9	8	3
2041215-M8	2041210-M8	M 8	1,25	90	18	35	8	6,2	9	3
2041215-M10	2041210-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2046215-M12	2046210-M12	M 12	1,75	110	23	83	9	7	10	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

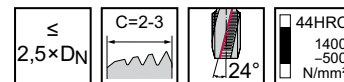
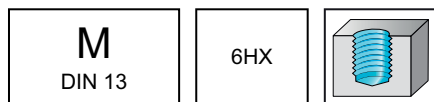
HSS-E PM machine taps

mm

Paradur® H 24

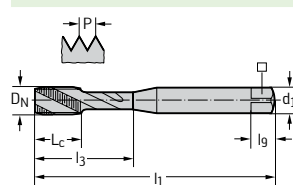


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●		●				

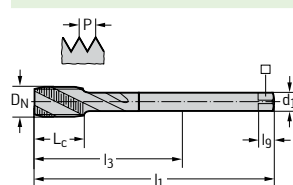
~DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
204107-M3	M 3	0,5	56	11	11	3,5	2,7	6	3
204107-M4	M 4	0,7	63	15	15	4,5	3,4	6	3
204107-M5	M 5	0,8	70	18,5	18,5	6	4,9	8	3
204107-M6	M 6	1	80	15	30	6	4,9	8	3
204107-M8	M 8	1,25	90	18	38	8	6,2	9	3
204107-M10	M 10	1,5	100	20	45	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
204607-M12	M 12	1,75	110	23	83	9	7	10	4
204607-M16	M 16	2	110	25	68	12	9	12	4

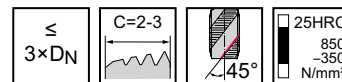
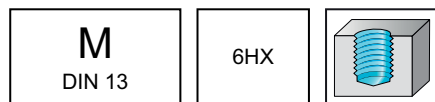
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine taps

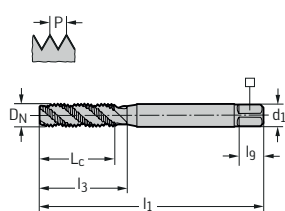
TC120 Supreme mm

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AG	●●			●			

DIN 371

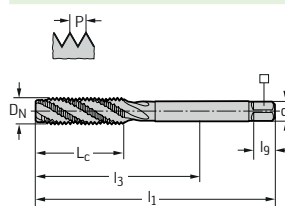


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60AG
TC120-M3-C0-	M 3	0,5	56	10	18	3,5	2,7	6	3	☒
TC120-M4-C0-	M 4	0,7	63	13,5	21	4,5	3,4	6	3	☒
TC120-M5-C0-	M 5	0,8	70	16,5	25	6	4,9	8	3	☒
TC120-M6-C0-	M 6	1	80	20	30	6	4,9	8	3	☒
TC120-M8-C0-	M 8	1,25	90	26,5	35	8	6,2	9	3	☒
TC120-M10-C0-	M 10	1,5	100	33	39	10	8	11	3	☒

Ordering example for the grade WW60AG: TC120-M10-C0-WW60AG

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60AG
TC120-M12-L0-	M 12	1,75	110	39,5	83	9	7	10	4	☒
TC120-M16-L0-	M 16	2	120	52	78	12	9	12	4	☒
TC120-M20-L0-	M 20	2,5	140	65	95	16	12	15	4	☒
TC120-M24-L0-	M 24	3	160	78	113	18	14,5	17	4	☒
TC120-M30-L0-	M 30	3,5	205	97	140	22	18	21	4	☒

Ordering example for the grade WW60AG: TC120-M12-L0-WW60AG

WALTER
SELECT

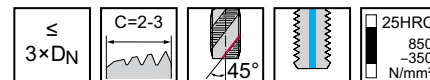
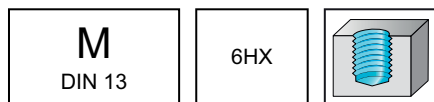
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☒ machining conditions

HSS-E-PM machine taps

TC120 Supreme mm



– For long-chipping materials



	P	M	K	N	S	H	O
WW60AG	●●			●			

DIN 371

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WW60AG
TC120-M8-C1-	M 8	1,25	90	26,5	35	8	6,2	9	3	☒
TC120-M10-C1-	M 10	1,5	100	33	39	10	8	11	3	☒

Parallel shank

Ordering example for the grade WW60AG: TC120-M10-C1-WW60AG

DIN 376

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WW60AG
TC120-M12-L1-	M 12	1,75	110	39,5	83	9	7	10	4	☒
TC120-M16-L1-	M 16	2	120	52	78	12	9	12	4	☒

Parallel shank

Ordering example for the grade WW60AG: TC120-M12-L1-WW60AG

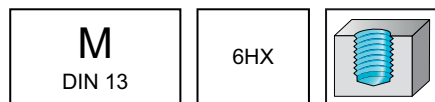
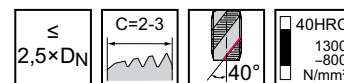
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☒ machining conditions

HSS-E (-PM) machine taps

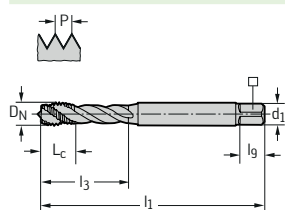
TC121 Supreme mm

– WW60RG = HSS-E-PM + TiAlN
– WY80BD = HSS-E + TiCN



	P	M	K	N	S	H	O
WW60RG	●●	●	●	●	●	●	●
WY80BD	●●	●	●	●	●	●	●

DIN 371

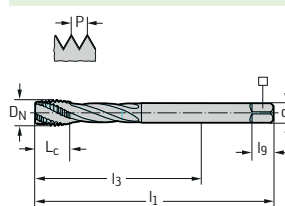


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60RG	WY80BD
TC121-M2-C0-	M 2	0,4	45	4	7,6	2,8	2,1	5	3	●●	●●
TC121-M3-C0-	M 3	0,5	56	6	11	3,5	2,7	6	3	●●	●●
TC121-M4-C0-	M 4	0,7	63	7	14,8	4,5	3,4	6	3	●●	●●
TC121-M5-C0-	M 5	0,8	70	8	20,7	6	4,9	8	3	●●	●●
TC121-M6-C0-	M 6	1	80	10	25	6	4,9	8	3	●●	●●
TC121-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	3	●●	●●
TC121-M10-C0-	M 10	1,5	100	15	39	10	8	11	3	●●	●●

Ordering example for the grade WW60RG: TC121-M10-C0-WW60RG

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60RG	WY80BD
TC121-M12-L0-	M 12	1,75	110	16	83	9	7	10	4	●●	●●
TC121-M14-L0-	M 14	2	110	20	81	11	9	12	4	●●	●●
TC121-M16-L0-	M 16	2	110	20	68	12	9	12	4	●●	●●
TC121-M20-L0-	M 20	2,5	140	25	95	16	12	15	4	●●	●●

Ordering example for the grade WW60RG: TC121-M12-L0-WW60RG

WALTER
SELECT

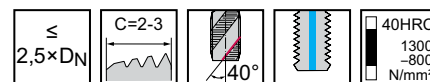
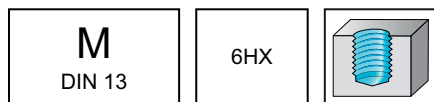
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E (-PM) machine taps

TC121 Supreme

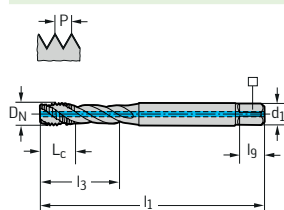


– For long-chipping materials



	P	M	K	N	S	H	O
WW60RG	●●	●●	●●	●●	●●	●●	●●

DIN 371

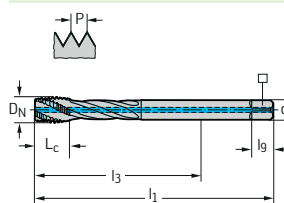


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60RG
TC121-M5-C1-	M 5	0,8	70	8	20,7	6	4,9	8	3	●●
TC121-M6-C1-	M 6	1	80	10	25	6	4,9	8	3	●●
TC121-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	3	●●
TC121-M10-C1-	M 10	1,5	100	15	39	10	8	11	3	●●

Ordering example for the grade WW60RG: TC121-M10-C1-WW60RG

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60RG
TC121-M12-L1-	M 12	1,75	110	16	83	9	7	10	4	●●
TC121-M14-L1-	M 14	2	110	20	81	11	9	12	4	●●
TC121-M16-L1-	M 16	2	110	20	68	12	9	12	4	●●
TC121-M20-L1-	M 20	2,5	140	25	95	16	12	15	4	●●

Ordering example for the grade WW60RG: TC121-M12-L1-WW60RG

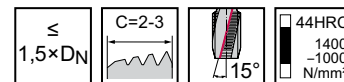
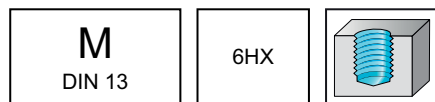
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

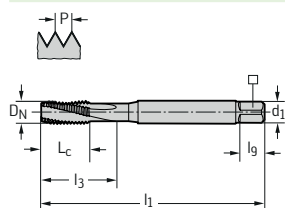
TC122 Supreme mm

– For long-chipping materials



	P	M	K	N	S	H	O
WW60BC	●●		●				

DIN 371

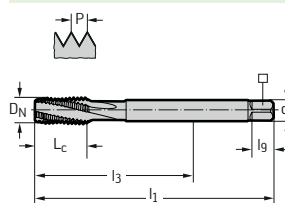


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60BC
TC122-M3-C0-	M 3	0,5	56	10	10	3,5	2,7	6	3	✖
TC122-M4-C0-	M 4	0,7	63	13	13	4,5	3,4	6	3	✖
TC122-M5-C0-	M 5	0,8	70	16	16	6	4,9	8	3	✖
TC122-M6-C0-	M 6	1	80	15	30	6	4,9	8	3	✖
TC122-M8-C0-	M 8	1,25	90	18	35	8	6,2	9	3	✖
TC122-M10-C0-	M 10	1,5	100	20	39	10	8	11	3	✖

Ordering example for the grade WW60BC: TC122-M10-C0-WW60BC

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60BC
TC122-M12-L0-	M 12	1,75	110	23	83	9	7	10	4	✖
TC122-M14-L0-	M 14	2	110	25	81	11	9	12	4	✖
TC122-M16-L0-	M 16	2	110	25	68	12	9	12	4	✖
TC122-M20-L0-	M 20	2,5	140	30	95	16	12	15	4	✖

Ordering example for the grade WW60BC: TC122-M12-L0-WW60BC

WALTER
SELECT

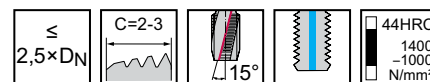
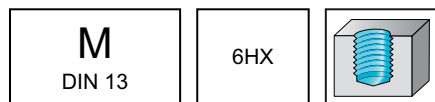
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E PM machine taps

TC122 Supreme

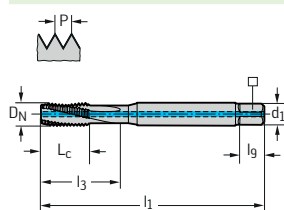


– For long-chipping materials



	P	M	K	N	S	H	O
WW60BC	●●		●				

DIN 371

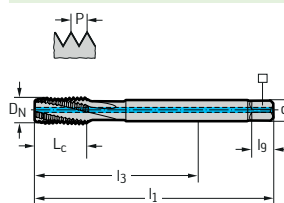


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60BC
TC122-M5-C1-	M 5	0,8	70	16	16	6	4,9	8	3	☹
TC122-M6-C1-	M 6	1	80	15	30	6	4,9	8	3	☹
TC122-M8-C1-	M 8	1,25	90	18	35	8	6,2	9	3	☹
TC122-M10-C1-	M 10	1,5	100	20	39	10	8	11	3	☹

Ordering example for the grade WW60BC: TC122-M10-C1-WW60BC

DIN 376



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60BC
TC122-M12-L1-	M 12	1,75	110	23	83	9	7	10	4	☹
TC122-M14-L1-	M 14	2	110	25	81	11	9	12	4	☹
TC122-M16-L1-	M 16	2	110	25	68	12	9	12	4	☹
TC122-M20-L1-	M 20	2,5	140	30	95	16	12	15	4	☹

Ordering example for the grade WW60BC: TC122-M12-L1-WW60BC

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

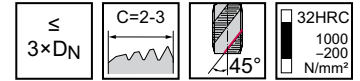
HSS-E machine taps

mm

Paradur® X-pert P

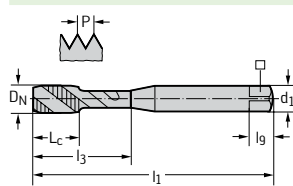


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P20509-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
P20509-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
P20509-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
P20509-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
P20509-M5	M 5	0,8	70	8	25	6	4,9	8	3
P20509-M6	M 6	1	80	10	30	6	4,9	8	3
P20509-M7	M 7	1	80	10	30	7	5,5	8	3
P20509-M8	M 8	1,25	90	12	35	8	6,2	9	3
P20509-M10	M 10	1,5	100	15	39	10	8	11	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

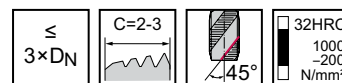
HSS-E machine taps

mm

Paradur® X-pert P

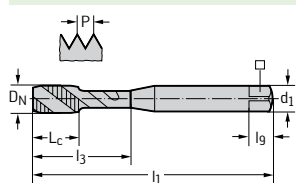


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 371



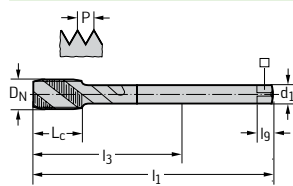
Parallel shank

Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P2051905-M1.6	P20519-M1.6	M 1.6	0,35	40	6	6	2,5	2,1	5	2
P2051905-M2	P20519-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
P2051905-M2.2	P20519-M2.2	M 2.2	0,45	45	4	12	2,8	2,1	5	3
P2051905-M2.5	P20519-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
P2051905-M2.6	P20519-M2.6	M 2.6	0,45	50	4	12,5	2,8	2,1	5	3
P2051905-M3	P20519-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
P2051905-M3.5	P20519-M3.5	M 3.5	0,6	56	6,5	20	4	3	6	3
P2051905-M4	P20519-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
P2051905-M4.5	P20519-M4.5	M 4.5	0,75	70	8	25	6	4,9	8	3
P2051905-M5	P20519-M5	M 5	0,8	70	8	25	6	4,9	8	3
P2051905-M6	P20519-M6	M 6	1	80	10	30	6	4,9	8	3
P2051905-M7	P20519-M7	M 7	1	80	10	30	7	5,5	8	3
P2051905-M8	P20519-M8	M 8	1,25	90	12	35	8	6,2	9	3
P2051905-M10	P20519-M10	M 10	1,5	100	15	39	10	8	11	3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

DIN 376



Parallel shank

Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	P20569-M4	M 4	0,7	63	7	43	2,8	2,1	5	3
	P20569-M5	M 5	0,8	70	8	49	3,5	2,7	6	3
	P20569-M6	M 6	1	80	10	59	4,5	3,4	6	3
	P20569-M8	M 8	1,25	90	12	67	6	4,9	8	3
	P20569-M9	M 9	1,25	90	13	67	7	5,5	8	3
	P20569-M10	M 10	1,5	100	15	77	7	5,5	8	3
	P20569-M11	M 11	1,5	100	15	76	8	6,2	9	3
P2056905-M12	P20569-M12	M 12	1,75	110	16	83	9	7	10	3
P2056905-M14	P20569-M14	M 14	2	110	20	81	11	9	12	3
P2056905-M16	P20569-M16	M 16	2	110	20	68	12	9	12	3
P2056905-M18	P20569-M18	M 18	2,5	125	25	81	14	11	14	4
P2056905-M20	P20569-M20	M 20	2,5	140	25	95	16	12	15	4
	P20569-M22	M 22	2,5	140	25	93	18	14,5	17	4
P2056905-M24	P20569-M24	M 24	3	160	30	113	18	14,5	17	4
	P20569-M27	M 27	3	160	30	97	20	16	19	4
P2056905-M30	P20569-M30	M 30	3,5	180	35	115	22	18	21	4
	P20569-M33	M 33	3,5	180	35	113	25	20	23	4
	P20569-M36	M 36	4	200	40	131	28	22	25	4
	P20569-M39	M 39	4	200	40	102	32	24	27	4
	P20569-M42	M 42	4,5	200	45	102	32	24	27	4
	P20569-M45	M 45	4,5	220	45	117	36	29	32	4
	P20569-M48	M 48	5	250	50	147	36	29	32	4
	P20569-M52	M 52	5	250	50	120	40	32	35	5
	P20569-M56	M 56	5,5	250	55	120	40	32	35	5
	P20569-M60	M 60	5,5	280	55	147	45	35	38	5
	P20569-M64	M 64	6	315	60	178	50	39	42	6

C1

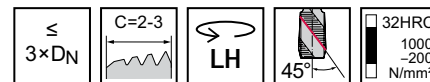
HSS-E machine taps

mm

Paradur® X-pert P

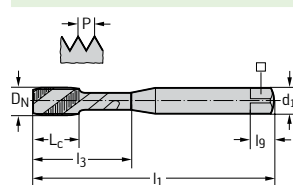


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

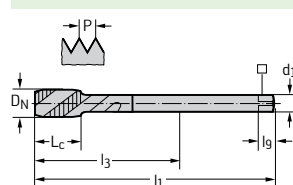
DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P205198-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
P205198-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
P205198-M5	M 5	0,8	70	8	25	6	4,9	8	3
P205198-M6	M 6	1	80	10	30	6	4,9	8	3
P205198-M8	M 8	1,25	90	12	35	8	6,2	9	3
P205198-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P205698-M12	M 12	1,75	110	16	83	9	7	10	3
P205698-M14	M 14	2	110	20	81	11	9	12	3
P205698-M16	M 16	2	110	20	68	12	9	12	3
P205698-M20	M 20	2,5	140	25	95	16	12	15	4
P205698-M24	M 24	3	160	30	113	18	14,5	17	4
P205698-M30	M 30	3,5	180	35	115	22	18	21	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

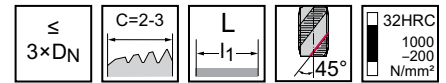
HSS-E machine taps

mm

Paradur® X-pert P



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●			●			●
uncoated	●●			●			●

~DIN 371 L	Designation THL	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	P2051832-M3	P205183-M3	M 3	0,5	112	6	18	3,5	2,7	6	3
	P2051832-M4	P205183-M4	M 4	0,7	112	7	21	4,5	3,4	6	3
	P2051832-M5	P205183-M5	M 5	0,8	125	8	25	6	4,9	8	3
	P2051832-M6	P205183-M6	M 6	1	125	10	30	6	4,9	8	3
	P2051832-M8	P205183-M8	M 8	1,25	140	13	40	8	6,2	9	3
	P2051832-M10	P205183-M10	M 10	1,5	160	15	50	10	8	11	3

Parallel shank

~DIN 376 L	Designation THL	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	P2056832-M8	P205683-M8	M 8	1,25	140	12	117	6	4,9	8	3
	P2056832-M10	P205683-M10	M 10	1,5	160	15	137	7	5,5	8	3
	P2056832-M12	P205683-M12	M 12	1,75	180	16	153	9	7	10	3
	P2056832-M14	P205683-M14	M 14	2	180	20	151	11	9	12	3
	P2056832-M16	P205683-M16	M 16	2	200	20	158	12	9	12	3
	P2056832-M20	P205683-M20	M 20	2,5	224	25	179	16	12	15	4

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

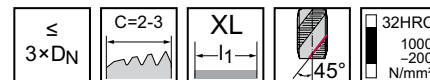
HSS-E machine taps

mm

Paradur® X-pert P

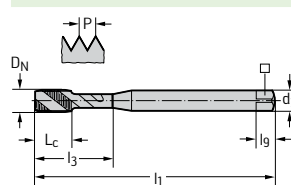


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

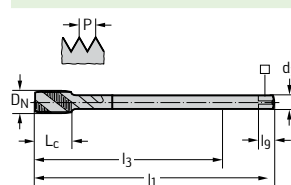
~DIN 371 XL



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P2051935-M3	M 3	0,5	125	6	18	3,5	2,7	6	3
P2051935-M4	M 4	0,7	125	7	21	4,5	3,4	6	3
P2051935-M5	M 5	0,8	140	8	25	6	4,9	8	3
P2051935-M6	M 6	1	160	10	30	6	4,9	8	3
P2051935-M8	M 8	1,25	180	13	35	8	6,2	9	3
P2051935-M10	M 10	1,5	200	15	39	10	8	11	3

~DIN 376 XL



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P2056935-M8	M 8	1,25	180	12	157	6	4,9	8	3
P2056935-M10	M 10	1,5	200	15	177	7	5,5	8	3
P2056935-M12	M 12	1,75	220	16	193	9	7	10	3
P2056935-M14	M 14	2	220	20	191	11	9	12	3
P2056935-M16	M 16	2	220	20	178	12	9	12	3
P2056935-M18	M 18	2,5	250	25	206	14	11	14	4
P2056935-M20	M 20	2,5	280	25	235	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

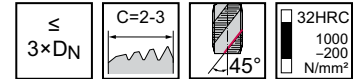
HSS-E machine taps

mm

Paradur® X-pert P AZ

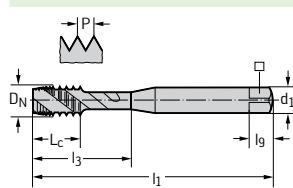


- For long-chipping materials
- For thin-walled workpieces



	P	M	K	N	S	H	O
uncoated	●●	●	●	●	●	●	●

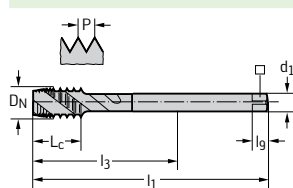
DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P40519-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
P40519-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
P40519-M5	M 5	0,8	70	8	25	6	4,9	8	3
P40519-M6	M 6	1	80	10	30	6	4,9	8	3
P40519-M8	M 8	1,25	90	12	35	8	6,2	9	3
P40519-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P40569-M12	M 12	1,75	110	16	83	9	7	10	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

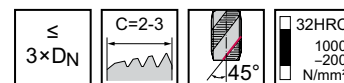
HSS-E machine taps

mm

Paradur® X-pert P

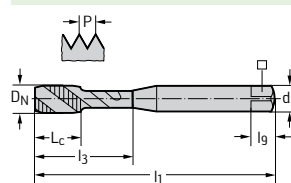


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

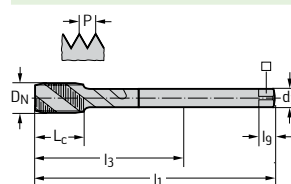
DIN 371



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P20539-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
	P20539-M2.3	M 2.3	0,4	45	4	12	2,8	2,1	5	3
P2053905-M2.5	P20539-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
P2053905-M3	P20539-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
	P20539-M3.5	M 3.5	0,6	56	6,5	20	4	3	6	3
P2053905-M4	P20539-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
P2053905-M5	P20539-M5	M 5	0,8	70	8	25	6	4,9	8	3
P2053905-M6	P20539-M6	M 6	1	80	10	30	6	4,9	8	3
P2053905-M8	P20539-M8	M 8	1,25	90	12	35	8	6,2	9	3
P2053905-M10	P20539-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P20589-M5	M 5	0,8	70	8	49	3,5	2,7	6	3
	P20589-M6	M 6	1	80	10	59	4,5	3,4	6	3
	P20589-M8	M 8	1,25	90	12	67	6	4,9	8	3
	P20589-M10	M 10	1,5	100	15	77	7	5,5	8	3
P2058905-M12	P20589-M12	M 12	1,75	110	16	83	9	7	10	3
	P20589-M14	M 14	2	110	20	81	11	9	12	3
P2058905-M16	P20589-M16	M 16	2	110	20	68	12	9	12	3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

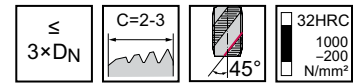
HSS-E machine taps

mm

Paradur® X-pert P

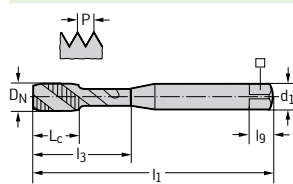


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

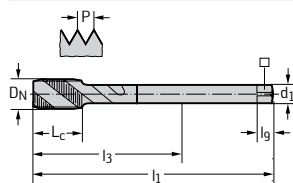
DIN 371



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P20549-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
	P20549-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
P2054905-M3	P20549-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
P2054905-M4	P20549-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
P2054905-M5	P20549-M5	M 5	0,8	70	8	25	6	4,9	8	3
P2054905-M6	P20549-M6	M 6	1	80	10	30	6	4,9	8	3
P2054905-M8	P20549-M8	M 8	1,25	90	12	35	8	6,2	9	3
P2054905-M10	P20549-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P20599-M8	M 8	1,25	90	12	67	6	4,9	8	3
	P20599-M10	M 10	1,5	100	15	77	7	5,5	8	3
P2059905-M12	P20599-M12	M 12	1,75	110	16	83	9	7	10	3
P2059905-M16	P20599-M16	M 16	2	110	20	68	12	9	12	3
P2059905-M20	P20599-M20	M 20	2,5	140	25	95	16	12	15	4
P2059905-M24	P20599-M24	M 24	3	160	30	113	18	14,5	17	4

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

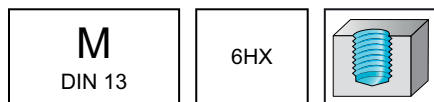
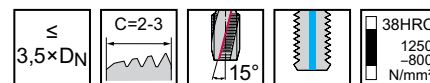
HSS-E machine taps

mm

Paradur® Short Chip HT

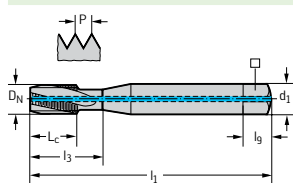


- No problems working with steel materials: No bird nesting
- Reduced helix angle and uncoated surface in the chamfer section



	P	M	K	N	S	H	O
THL	●●	●	●	●	●	●	●
uncoated	●●	●	●	●	●	●	●

DIN 371



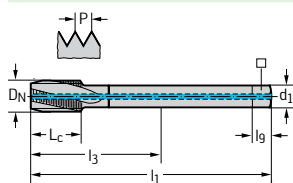
Parallel shank

20410TR: Uncoated rake

Designation THL	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20410T2-M5	20410TR-M5	M 5	0,8	70	8	25	6	4,9	8	3
20410T2-M6	20410TR-M6	M 6	1	80	10	30	6	4,9	8	3
20410T2-M8	20410TR-M8	M 8	1,25	90	12	35	8	6,2	9	3
20410T2-M10	20410TR-M10	M 10	1,5	100	15	39	10	8	11	3

C1

DIN 376



Parallel shank

20460TR: Uncoated rake

Designation THL	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20460T2-M12	20460TR-M12	M 12	1,75	110	16	83	9	7	10	3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

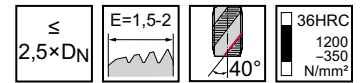
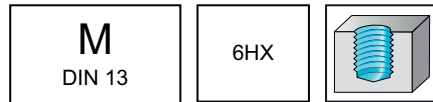
HSS-E machine taps

mm

Paradur® STE

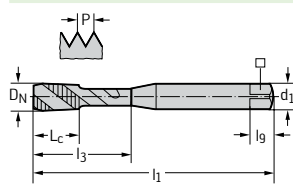


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●	●	●	●
uncoated	●	●	●	●	●	●	●

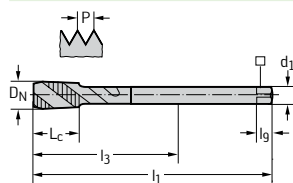
DIN 371



Parallel shank

Designation THL	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
2051062-M3	205106-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
2051062-M4	205106-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
2051062-M5	205106-M5	M 5	0,8	70	8	25	6	4,9	8	3
2051062-M6	205106-M6	M 6	1	80	10	30	6	4,9	8	3
2051062-M8	205106-M8	M 8	1,25	90	12	35	8	6,2	9	4
2051062-M10	205106-M10	M 10	1,5	100	15	39	10	8	11	4

DIN 376



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
2056062-M12	M 12	1,75	110	16	83	9	7	10	4
2056062-M16	M 16	2	110	20	68	12	9	12	5
2056062-M20	M 20	2,5	140	25	95	16	12	15	5
2056062-M24	M 24	3	160	30	113	18	14,5	17	5

C1

WALTER
SELECT

●● Primary application ● Other application

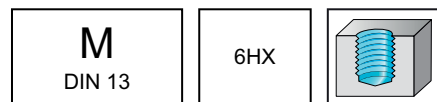
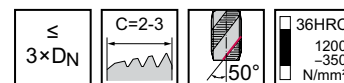
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

HSS-E (-PM) machine taps

TC142 Supreme

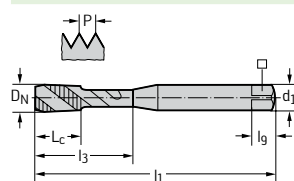


- WY80FC: Best chip control
- WW60RB: Best wear resistance



	P	M	K	N	S	H	O
WY80FC	●	●●	●	●	●	●	●
WW60RB	●	●●	●	●	●	●	●

DIN 371

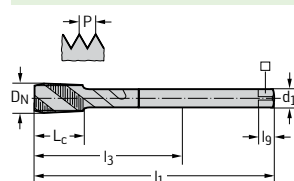


Parallel shank

Designation	D _N	P mm	l ₁ mm	L _C mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80FC	WW60RB
TC142-M1.6-C0-	M 1.6	0,35	40	6	6	2,5	2,1	5	2	●	●
TC142-M2-C0-	M 2	0,4	45	4	9	2,8	2,1	5	3	●	●
TC142-M2.3-C0-	M 2.3	0,4	45	4	12	2,8	2,1	5	3	●	●
TC142-M2.5-C0-	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3	●	●
TC142-M2.6-C0-	M 2.6	0,45	50	4	12,5	2,8	2,1	5	3	●	●
TC142-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	3	●	●
TC142-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	3	●	●
TC142-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	3	●	●
TC142-M6-C0-	M 6	1	80	10	30	6	4,9	8	3	●	●
TC142-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	3	●	●
TC142-M10-C0-	M 10	1,5	100	15	39	10	8	11	3	●	●

Ordering example for the grade WY80FC: TC142-M1.6-C0-WY80FC

DIN 376



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _C mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60RB	WY80FC
TC142-M6-L0-	M 6	1	80	10	59	4,5	3,4	6	3	●	●
TC142-M8-L0-	M 8	1,25	90	12	67	6	4,9	8	3	●	●
TC142-M10-L0-	M 10	1,5	100	15	77	7	5,5	8	3	●	●
TC142-M12-L0-	M 12	1,75	110	16	83	9	7	10	3	●	●
TC142-M14-L0-	M 14	2	110	20	81	11	9	12	3	●	●
TC142-M16-L0-	M 16	2	110	20	68	12	9	12	4	●	●
TC142-M18-L0-	M 18	2,5	125	25	81	14	11	14	4	●	●
TC142-M20-L0-	M 20	2,5	140	25	95	16	12	15	4	●	●
TC142-M24-L0-	M 24	3	160	30	113	18	14,5	17	4	●	●
TC142-M27-L0-	M 27	3	160	30	97	20	16	19	4	●	●
TC142-M30-L0-	M 30	3,5	180	35	115	22	18	21	5	●	●
TC142-M33-L0-	M 33	3,5	180	35	113	25	20	23	5	●	●
TC142-M36-L0-	M 36	4	200	40	131	28	22	25	5	●	●

Ordering example for the grade WW60RB: TC142-M10-L0-WW60RB

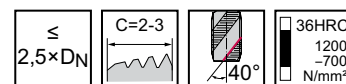
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

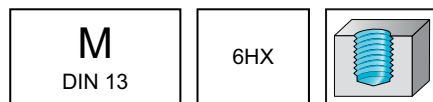
HSS-E machine taps

mm

Paradur® X-pert M

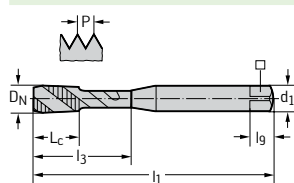


– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●	●●	●	●	●	●	●
TIN	●	●●	●	●	●	●	●
VAP	●	●●	●	●	●	●	●

DIN 371



Parallel shank

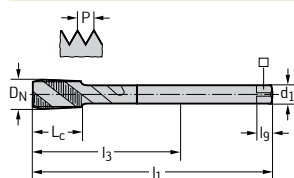
Designation TICN	Designation TIN	Designation VAP	DN	P mm	l1 mm	Lc mm	l3 mm	d1 h9 mm	□ mm	l9 mm	N
		M20513-M1.6	M 1.6	0,35	40	6	6	2,5	2,1	5	3
		M20513-M1.7	M 1.7	0,35	40	6	6	2,5	2,1	5	3
		M20513-M1.8	M 1.8	0,35	40	6	6	2,5	2,1	5	3
M2051306-M2	M2051305-M2	M20513-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
M2051306-M2.5	M2051305-M2.5	M20513-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
M2051306-M3	M2051305-M3	M20513-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
		M20513-M3.5	M 3.5	0,6	56	6,5	20	4	3	6	3
M2051306-M4	M2051305-M4	M20513-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
		M20513-M4.5	M 4.5	0,75	70	8	25	6	4,9	8	3
M2051306-M5	M2051305-M5	M20513-M5	M 5	0,8	70	8	25	6	4,9	8	3
M2051306-M6	M2051305-M6	M20513-M6	M 6	1	80	10	30	6	4,9	8	3
		M20513-M7	M 7	1	80	10	30	7	5,5	8	3
M2051306-M8	M2051305-M8	M20513-M8	M 8	1,25	90	12	35	8	6,2	9	3
M2051306-M10	M2051305-M10	M20513-M10	M 10	1,5	100	15	39	10	8	11	3

≤ M 2.5: Without thread taper

≤ M 1.8: Without reduced neck after the thread

l9 dimensions in accordance with DIN 10

DIN 376



Parallel shank

Designation TICN	Designation TIN	Designation VAP	DN	P mm	l1 mm	Lc mm	l3 mm	d1 h9 mm	□ mm	l9 mm	N
M2056306-M6		M20563-M6	M 6	1	80	10	59	4,5	3,4	6	3
M2056306-M8		M20563-M8	M 8	1,25	90	12	67	6	4,9	8	3
M2056306-M10		M20563-M10	M 10	1,5	100	15	77	7	5,5	8	3
M2056306-M12	M2056305-M12	M20563-M12	M 12	1,75	110	16	83	9	7	10	4
		M20563-M14	M 14	2	110	20	81	11	9	12	4
M2056306-M16	M2056305-M16	M20563-M16	M 16	2	110	20	68	12	9	12	4
		M20563-M18	M 18	2,5	125	25	81	14	11	14	4
M2056306-M20	M2056305-M20	M20563-M20	M 20	2,5	140	25	95	16	12	15	4
		M20563-M22	M 22	2,5	140	25	93	18	14,5	17	4
M2056306-M24		M20563-M24	M 24	3	160	30	113	18	14,5	17	4
		M20563-M27	M 27	3	160	30	97	20	16	19	5
M2056306-M30		M20563-M30	M 30	3,5	180	35	115	22	18	21	5
		M20563-M33	M 33	3,5	180	35	113	25	20	23	5
		M20563-M36	M 36	4	200	40	131	28	22	25	5
		M20563-M42	M 42	4,5	200	45	102	32	24	27	5

l9 dimensions in accordance with DIN 10

WALTER
SELECT

●● Primary application ● Other application

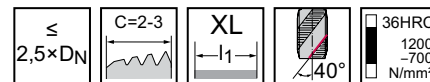
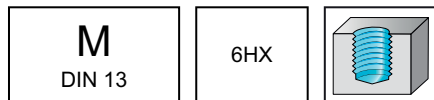
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

mm

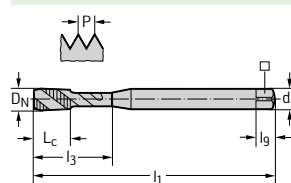
Paradur® X-pert M

– For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●●	●	●	●	●	●

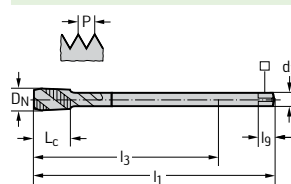
~DIN 371 XL



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
M2051332-M4	M 4	0,7	125	7	21	4,5	3,4	6	3
M2051332-M5	M 5	0,8	140	8	25	6	4,9	8	3
M2051332-M6	M 6	1	160	10	30	6	4,9	8	3

~DIN 376 XL



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
M2056332-M8	M 8	1,25	180	12	157	6	4,9	8	3
M2056332-M10	M 10	1,5	200	15	177	7	5,5	8	3
M2056332-M12	M 12	1,75	220	16	193	9	7	10	4
M2056332-M16	M 16	2	220	20	178	12	9	12	4
M2056332-M20	M 20	2,5	280	25	235	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

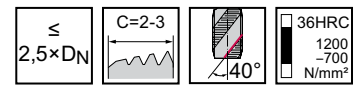
HSS-E machine taps

mm

Paradur® X-pert M

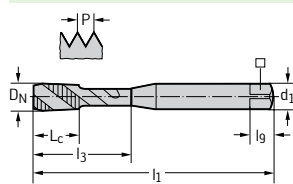


– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●	●●					
VAP	●	●●					

DIN 371



Parallel shank

Designation TICN	Designation VAP	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M2053306-M3	M20533-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
M2053306-M4	M20533-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
M2053306-M5	M20533-M5	M 5	0,8	70	8	25	6	4,9	8	3
M2053306-M6	M20533-M6	M 6	1	80	10	30	6	4,9	8	3
M2053306-M8	M20533-M8	M 8	1,25	90	12	35	8	6,2	9	3
M2053306-M10	M20533-M10	M 10	1,5	100	15	39	10	8	11	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

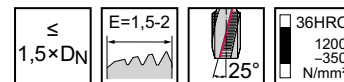
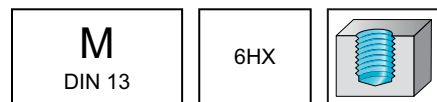
HSS-E machine taps

mm

Paradur Inox® 25



– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●●	●●	●●

~DIN 371										
Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	
2051315-M5	M 5	0,8	70	8	19	6	4,9	8	4	
2051315-M6	M 6	1	80	10	22	6	4,9	8	4	
2051315-M8	M 8	1,25	90	13	28	8	6,2	9	5	
2051315-M10	M 10	1,5	100	15	32	10	8	11	5	

Parallel shank

DIN 376										
Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	
2056315-M12	M 12	1,75	110	16	83	9	7	10	5	
2056315-M14	M 14	2	110	20	81	11	9	12	5	
2056315-M16	M 16	2	110	20	68	12	9	12	5	
2056315-M20	M 20	2,5	140	25	95	16	12	15	5	

Parallel shank

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

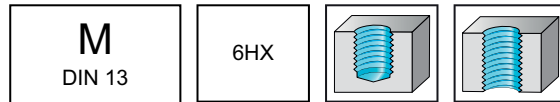
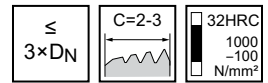
HSS-E PM machine taps

mm

Paradur® Eco CI

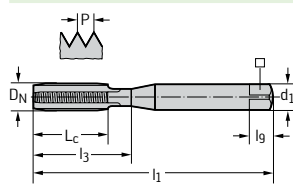


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●
NID			●●	●●			●●

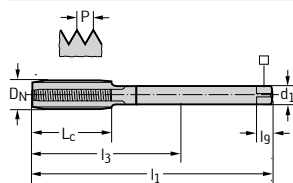
DIN 371



Parallel shank

Designation NID	Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
E20314-M3	E2031406-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
E20314-M4	E2031406-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
E20314-M5	E2031406-M5	M 5	0,8	70	13	25	6	4,9	8	4
E20314-M6	E2031406-M6	M 6	1	80	15	30	6	4,9	8	4
E20314-M7	E2031406-M7	M 7	1	80	15	30	7	5,5	8	4
E20314-M8	E2031406-M8	M 8	1,25	90	18	35	8	6,2	9	4
	E2031406-M9	M 9	1,25	90	18	35	9	7	10	4
E20314-M10	E2031406-M10	M 10	1,5	100	20	39	10	8	11	4

DIN 376



Parallel shank

Designation NID	Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
E20364-M12	E2036406-M12	M 12	1,75	110	23	83	9	7	10	4
E20364-M14	E2036406-M14	M 14	2	110	25	81	11	9	12	4
E20364-M16	E2036406-M16	M 16	2	110	25	68	12	9	12	4
E20364-M18	E2036406-M18	M 18	2,5	125	30	81	14	11	14	4
E20364-M20	E2036406-M20	M 20	2,5	140	30	95	16	12	15	4
E20364-M22	E2036406-M22	M 22	2,5	140	30	93	18	14,5	17	4
E20364-M24	E2036406-M24	M 24	3	160	36	113	18	14,5	17	5
E20364-M30	E2036406-M30	M 30	3,5	180	42	115	22	18	21	5

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

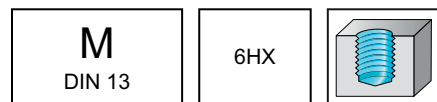
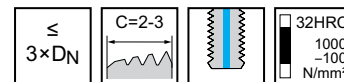
HSS-E PM machine taps

mm

Paradur® Eco CI

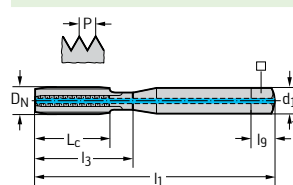


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●

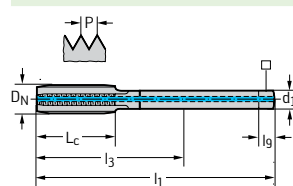
DIN 371



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
E2031416-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
E2031416-M5	M 5	0,8	70	13	25	6	4,9	8	4
E2031416-M6	M 6	1	80	15	30	6	4,9	8	4
E2031416-M7	M 7	1	80	15	30	7	5,5	8	4
E2031416-M8	M 8	1,25	90	18	35	8	6,2	9	4
E2031416-M10	M 10	1,5	100	20	39	10	8	11	4

DIN 376



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
E2036416-M12	M 12	1,75	110	23	83	9	7	10	4
E2036416-M14	M 14	2	110	25	81	11	9	12	4
E2036416-M16	M 16	2	110	25	68	12	9	12	4
E2036416-M18	M 18	2,5	125	30	81	14	11	14	4
E2036416-M20	M 20	2,5	140	30	95	16	12	15	4
E2036416-M24	M 24	3	160	36	113	18	14,5	17	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

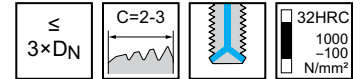
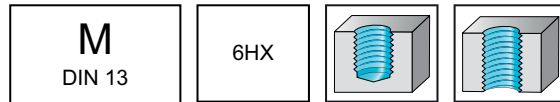
HSS-E PM machine taps

mm

Paradur® Eco CI

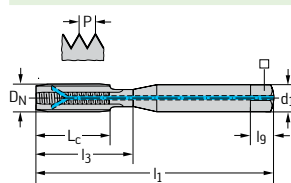


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●

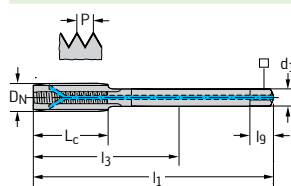
DIN 371



Parallel shank

Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
E2031446-M6	M 6	1	80	15	30	6	4,9	8	4
E2031446-M8	M 8	1,25	90	18	35	8	6,2	9	4
E2031446-M10	M 10	1,5	100	20	39	10	8	11	4

DIN 376



Parallel shank

Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
E2036446-M12	M 12	1,75	110	23	83	9	7	10	4
E2036446-M16	M 16	2	110	25	68	12	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

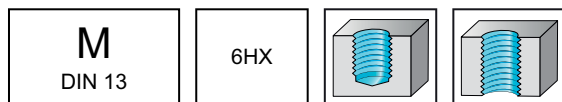
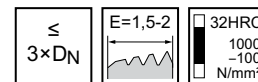
HSS-E PM machine taps

mm

Paradur® Eco CI

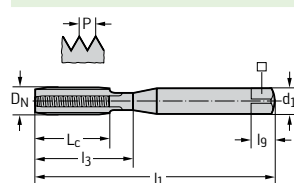


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●

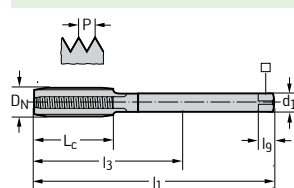
DIN 371



Parallel shank

Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
E2031466-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
E2031466-M5	M 5	0,8	70	13	25	6	4,9	8	4
E2031466-M6	M 6	1	80	15	30	6	4,9	8	4
E2031466-M8	M 8	1,25	90	18	35	8	6,2	9	4
E2031466-M10	M 10	1,5	100	20	39	10	8	11	4

DIN 376



Parallel shank

Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
E2036466-M12	M 12	1,75	110	23	83	9	7	10	4
E2036466-M16	M 16	2	110	25	68	12	9	12	4
E2036466-M20	M 20	2,5	140	30	95	16	12	15	4
E2036466-M24	M 24	3	160	36	113	18	14,5	17	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

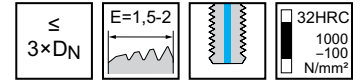
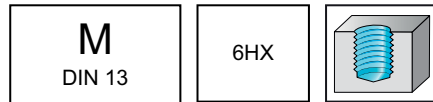
HSS-E PM machine taps

mm

Paradur® Eco CI

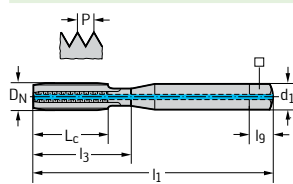


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●

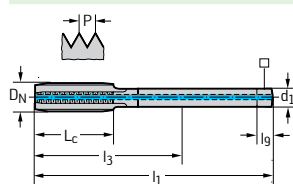
DIN 371



Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E2031456-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
E2031456-M5	M 5	0,8	70	13	25	6	4,9	8	4
E2031456-M6	M 6	1	80	15	30	6	4,9	8	4
E2031456-M8	M 8	1,25	90	18	35	8	6,2	9	4
E2031456-M10	M 10	1,5	100	20	39	10	8	11	4

Parallel shank

DIN 376



Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E2036456-M12	M 12	1,75	110	23	83	9	7	10	4
E2036456-M16	M 16	2	110	25	68	12	9	12	4
E2036456-M20	M 20	2,5	140	30	95	16	12	15	4

Parallel shank

C1

WALTER
SELECT

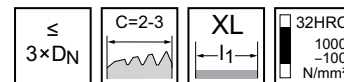
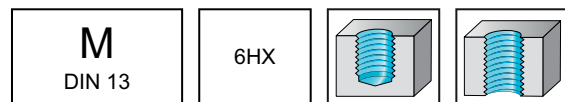
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

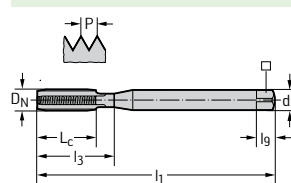
Paradur® Eco CI

– For short-chipping materials
– Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●

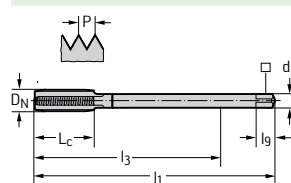
~DIN 371 XL



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
E2031436-M4	M 4	0,7	125	12	21	4,5	3,4	6	3
E2031436-M5	M 5	0,8	140	13	25	6	4,9	8	4
E2031436-M6	M 6	1	160	15	30	6	4,9	8	4
E2031436-M8	M 8	1,25	180	18	35	8	6,2	9	4
E2031436-M10	M 10	1,5	200	20	39	10	8	11	4

~DIN 376 XL



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
E2036436-M12	M 12	1,75	220	23	193	9	7	10	4
E2036436-M16	M 16	2	220	25	178	12	9	12	4
E2036436-M20	M 20	2,5	280	30	235	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

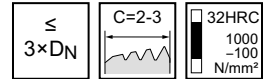
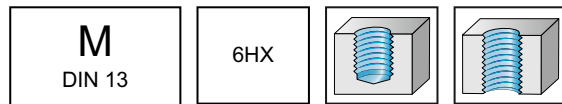
HSS-E PM machine taps

mm

Paradur® X-pert K

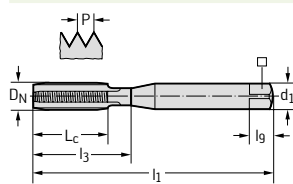


– For short-chipping materials



	P	M	K	N	S	H	O
TAPT			●●	●			

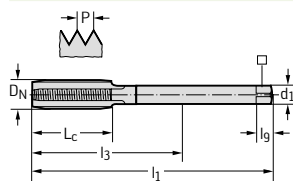
DIN 371



Parallel shank

Designation TAPT	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
K2031407-M3	M 3	0,5	56	9	17	3,5	2,7	6	3
K2031407-M4	M 4	0,7	63	11	19	4,5	3,4	6	3
K2031407-M5	M 5	0,8	70	13	23	6	4,9	8	4
K2031407-M6	M 6	1	80	15	27	6	4,9	8	4
K2031407-M8	M 8	1,25	90	18	31	8	6,2	9	4
K2031407-M10	M 10	1,5	100	20	35	10	8	11	4

DIN 376



Parallel shank

Designation TAPT	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
K2036407-M12	M 12	1,75	110	23	78	9	7	10	4
K2036407-M14	M 14	2	110	25	75	11	9	12	4
K2036407-M16	M 16	2	110	25	62	12	9	12	4
K2036407-M20	M 20	2,5	140	30	88	16	12	15	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

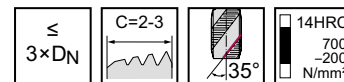
HSS-E machine taps

mm

Paradur® X-pert N

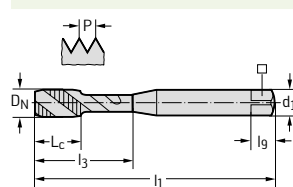


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

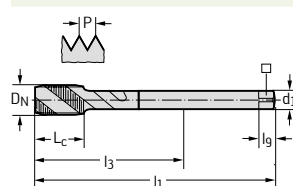
DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
N20516-M1.6	M 1.6	0,35	40	6	6	2,5	2,1	5	2
N20516-M2	M 2	0,4	45	4	9	2,8	2,1	5	2
N20516-M2.3	M 2.3	0,4	45	4	12	2,8	2,1	5	2
N20516-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	2
N20516-M3	M 3	0,5	56	6	18	3,5	2,7	6	2
N20516-M3.5	M 3.5	0,6	56	6,5	20	4	3	6	2
N20516-M4	M 4	0,7	63	7	21	4,5	3,4	6	2
N20516-M5	M 5	0,8	70	8	25	6	4,9	8	2
N20516-M6	M 6	1	80	10	30	6	4,9	8	2
N20516-M8	M 8	1,25	90	12	35	8	6,2	9	2
N20516-M10	M 10	1,5	100	15	39	10	8	11	2

DIN 376



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
N20566-M6	M 6	1	80	10	59	4,5	3,4	6	2
N20566-M8	M 8	1,25	90	12	67	6	4,9	8	2
N20566-M10	M 10	1,5	100	15	77	7	5,5	8	2
N20566-M12	M 12	1,75	110	16	83	9	7	10	3
N20566-M14	M 14	2	110	20	81	11	9	12	3
N20566-M16	M 16	2	110	20	68	12	9	12	3
N20566-M20	M 20	2,5	140	25	95	16	12	15	3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

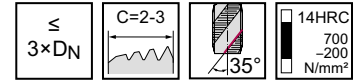
HSS-E machine taps

mm

Paradur® X-pert N

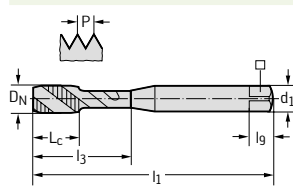


- Increased number of grooves
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
N205166-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
N205166-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
N205166-M5	M 5	0,8	70	8	25	6	4,9	8	3
N205166-M6	M 6	1	80	10	30	6	4,9	8	3
N205166-M7	M 7	1	80	10	30	7	5,5	8	3
N205166-M8	M 8	1,25	90	12	35	8	6,2	9	3
N205166-M10	M 10	1,5	100	15	39	10	8	11	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

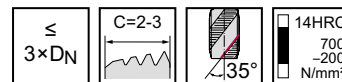
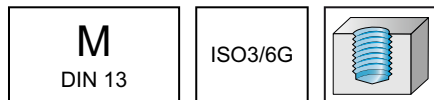
HSS-E machine taps

mm

Paradur® X-pert N



– For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	N20536-M2	M 2	0,4	45	4	9	2,8	2,1	5	2
	N20536-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	2
	N20536-M3	M 3	0,5	56	6	18	3,5	2,7	6	2
	N20536-M4	M 4	0,7	63	7	21	4,5	3,4	6	2
	N20536-M5	M 5	0,8	70	8	25	6	4,9	8	2
	N20536-M6	M 6	1	80	10	30	6	4,9	8	2
	N20536-M8	M 8	1,25	90	12	35	8	6,2	9	2

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

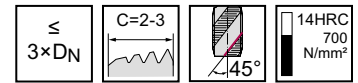
HSS-E machine taps

mm

Paradur® WLM Synchrospeed



- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
CRN	●			●●	●●		●●
uncoated	●			●●	●●		●●

~DIN 371		Designation CRN	Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	$\square$ mm	l_9 mm	N
			S20516-M3	M 3	0,5	70	6	18	6	4,9	8	2
		S2051604-M4	S20516-M4	M 4	0,7	70	7	21	6	4,9	8	2
		S2051604-M5	S20516-M5	M 5	0,8	70	8	25	6	4,9	8	2
		S2051604-M6	S20516-M6	M 6	1	80	10	30	6	4,9	8	2
		S2051604-M8	S20516-M8	M 8	1,25	90	12	35	8	6,2	9	2
		S2051604-M10	S20516-M10	M 10	1,5	100	15	39	10	8	11	2
Parallel shank												

C1

WALTER
SELECT

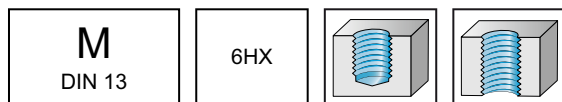
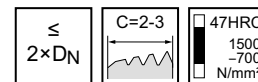
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

mm

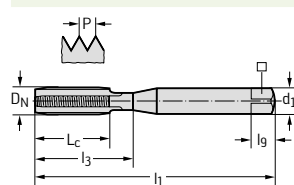
Paradur® AP

- For short-chipping materials
- For Ampco



	P	M	K	N	S	H	O
NIT				●●	●		

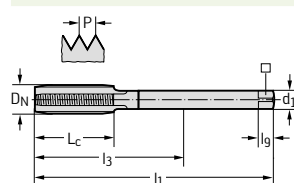
DIN 371



Parallel shank

Designation NIT	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20312-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
20312-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
20312-M5	M 5	0,8	70	13	25	6	4,9	8	3
20312-M6	M 6	1	80	15	30	6	4,9	8	3
20312-M8	M 8	1,25	90	18	35	8	6,2	9	3
20312-M10	M 10	1,5	100	20	39	10	8	11	3

DIN 376



Parallel shank

Designation NIT	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20362-M12	M 12	1,75	110	23	83	9	7	10	4
20362-M16	M 16	2	110	25	68	12	9	12	4
20362-M20	M 20	2,5	140	30	95	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

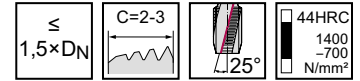
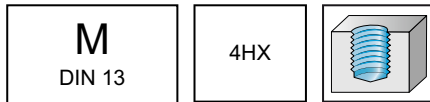
HSS-E PM machine taps

mm

Paradur® Ni



– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●				●●		

~DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	204104-M2	M 2	0,4	45	8	8	2,8	2,1	5	3
	204104-M3	M 3	0,5	56	10	10	3,5	2,7	6	3
	204104-M3.5	M 3.5	0,6	56	12	12	4	3	6	3
	204104-M4	M 4	0,7	63	13	13	4,5	3,4	6	3
	204104-M5	M 5	0,8	70	16	16	6	4,9	8	3
	204104-M6	M 6	1	80	15	23	6	4,9	8	3
	204104-M8	M 8	1,25	90	18	29,5	8	6,2	9	3
	204104-M10	M 10	1,5	100	20	33,5	10	8	11	4

C1

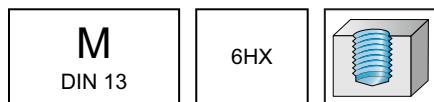
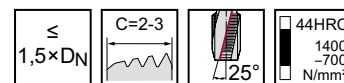
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

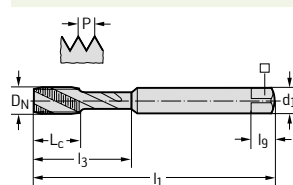
mm

Paradur® Ni



	P	M	K	N	S	H	O
TICN	●	●	●	●	●	●	●
uncoated	●	●	●	●	●	●	●

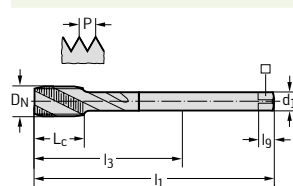
~DIN 371



Parallel shank

Designation TICN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
20410206-M2	204102-M2	M 2	0,4	45	8	8	2,8	2,1	5	3
20410206-M2.5	204102-M2.5	M 2.5	0,45	50	9	30	2,8	2,1	5	3
20410206-M3	204102-M3	M 3	0,5	56	10	35	3,5	2,7	6	3
20410206-M4	204102-M4	M 4	0,7	63	13	42	4,5	3,4	6	3
20410206-M5	204102-M5	M 5	0,8	70	16	16	6	4,9	8	3
20410206-M6	204102-M6	M 6	1	80	15	23	6	4,9	8	3
20410206-M8	204102-M8	M 8	1,25	90	18	29,5	8	6,2	9	3
20410206-M10	204102-M10	M 10	1,5	100	20	33,5	10	8	11	4

DIN 376



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
204602-M12	M 12	1,75	110	23	83	9	7	10	4
204602-M14	M 14	2	110	25	81	11	9	12	4
204602-M16	M 16	2	110	25	68	12	9	12	4
204602-M18	M 18	2,5	125	30	81	14	11	14	5
204602-M20	M 20	2,5	140	30	95	16	12	15	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

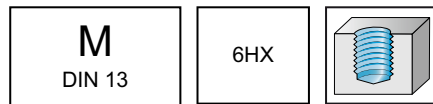
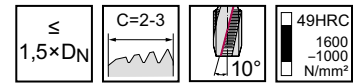
HSS-E PM machine taps

mm

Paradur® Ni 10



– For long- and short-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●	●●		
uncoated	●●			●	●●		

~DIN 371	Designation TIN	Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_g mm	l_9 mm	N
	2041015-M3	204101-M3	M 3	0,5	56	8	35	3,5	2,7	6	3
	2041015-M4	204101-M4	M 4	0,7	63	10,5	42	4,5	3,4	6	3
	2041015-M5	204101-M5	M 5	0,8	70	13	47	6	4,9	8	3
	2041015-M6	204101-M6	M 6	1	80	16	57	6	4,9	8	3
	2041015-M8	204101-M8	M 8	1,25	90	20,5	66	8	6,2	9	3
	2041015-M10	204101-M10	M 10	1,5	100	25,5	72	10	8	11	3
	2041015-M12	204101-M12	M 12	1,75	110	30,5	68	12	9	12	4
	2041015-M16	204101-M16	M 16	2	110	39,5	65	16	12	15	4

Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application

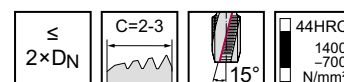
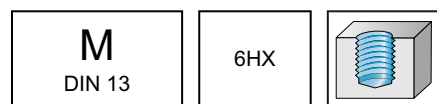
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

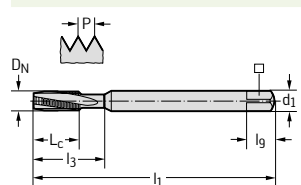
Paradur® Ti

- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
TICN	●●			●	●●		
uncoated	●●			●	●●		

~DIN 371

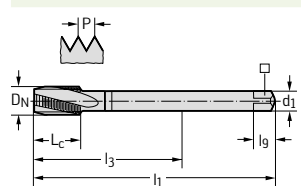


Parallel shank

Designation TICN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
	20416-M1	M 1	0,25	40	5	5	2,5	2,1	5	3
	20416-M1.2	M 1.2	0,25	40	5	5	2,5	2,1	5	3
	20416-M1.4	M 1.4	0,3	40	5	5	2,5	2,1	5	3
	20416-M1.6	M 1.6	0,35	40	5	5	2,5	2,1	5	3
	20416-M1.8	M 1.8	0,35	40	5	5	2,5	2,1	5	3
2041606-M2	20416-M2	M 2	0,4	45	8	8	2,8	2,1	5	3
	20416-M2.2	M 2.2	0,45	45	8	8	2,8	2,1	5	3
2041606-M2.5	20416-M2.5	M 2.5	0,45	50	9	9	2,8	2,1	5	3
2041606-M3	20416-M3	M 3	0,5	56	10	10	3,5	2,7	6	3
	20416-M3.5	M 3.5	0,6	56	12	12	4	3	6	3
2041606-M4	20416-M4	M 4	0,7	63	13	13	4,5	3,4	6	3
	20416-M4.5	M 4.5	0,75	70	16	16	6	4,9	8	3
2041606-M5	20416-M5	M 5	0,8	70	16	16	6	4,9	8	3
2041606-M6	20416-M6	M 6	1	80	15	23	6	4,9	8	3
2041606-M8	20416-M8	M 8	1,25	90	18	29,5	8	6,2	9	3
2041606-M10	20416-M10	M 10	1,5	100	20	33,5	10	8	11	3

≤ M 1.4: 5HX

DIN 376



Parallel shank

Designation TICN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
2046606-M12	20466-M12	M 12	1,75	110	23	83	9	7	10	4
	20466-M14	M 14	2	110	25	81	11	9	12	4
2046606-M16	20466-M16	M 16	2	110	25	68	12	9	12	4
	20466-M20	M 20	2,5	140	30	95	16	12	15	4
	20466-M24	M 24	3	160	36	113	18	14,5	17	5
	20466-M30	M 30	3,5	180	42	115	22	18	21	5
	20466-M36	M 36	4	200	48	131	28	22	25	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

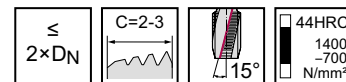
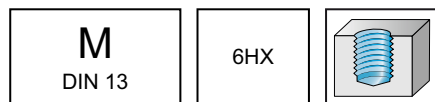
HSS-E PM machine taps

mm

Paradur® Ti Plus



- Recommended with emulsion
- For long-chipping materials



	P	M	K	N	S	H	O
ACN					●●		

~DIN 371		Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
 Parallel shank		2041663-M2	M 2	0,4	45	8	8	2,8	2,1	5	3
		2041663-M2.5	M 2.5	0,45	50	9	30	2,8	2,1	5	3
		2041663-M3	M 3	0,5	56	10	10	3,5	2,7	6	3
		2041663-M3.5	M 3.5	0,6	56	12	12	4	3	6	3
		2041663-M4	M 4	0,7	63	13	13	4,5	3,4	6	3
		2041663-M5	M 5	0,8	70	16	16	6	4,9	8	3
		2041663-M6	M 6	1	80	15	23	6	4,9	8	3
		2041663-M8	M 8	1,25	90	18	29,5	8	6,2	9	3
		2041663-M10	M 10	1,5	100	20	33,5	10	8	11	3

DIN 376		Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
 Parallel shank		2046663-M12	M 12	1,75	110	23	83	9	7	10	4
		2046663-M16	M 16	2	110	25	68	12	9	12	4
		2046663-M20	M 20	2,5	140	30	95	16	12	15	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

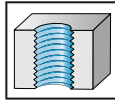
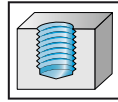
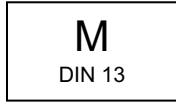
HSS-E PM machine taps

mm

Paradur® FT



– For short-chipping materials



	P	M	K	N	S	H	O
uncoated					●		●

~DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	d ₁ h9 mm	□ mm	l _g mm	N
	20316-M3	M 3	0,5	56	11	3,5	2,7	6	3
	20316-M4	M 4	0,7	63	13	4,5	3,4	6	5
	20316-M5	M 5	0,8	70	16	6	4,9	8	5
	20316-M6	M 6	1	80	20	6	4,9	8	5
	20316-M8	M 8	1,25	90	25	8	6,2	9	5
	20316-M10	M 10	1,5	100	30	10	8	11	5

Parallel shank

Without reduced neck after the thread

C1

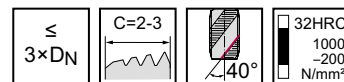
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

Paradur® Uni

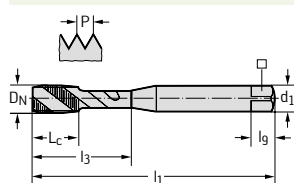


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●		●	●			
VAP	●●		●	●			
uncoated	●●		●	●			

DIN 371

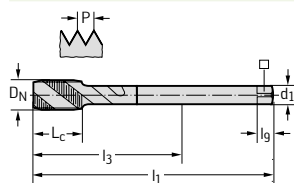


Parallel shank

Designation TIN	Designation VAP	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		7051770-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
		7051770-M2.5	M 2.5	0,45	50	4	12,5	2,8	2,1	5	3
		7051770-M2.6	M 2.6	0,45	50	4	12,5	2,8	2,1	5	3
7051775-M3	7051773-M3	7051770-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
		7051770-M3.5	M 3.5	0,6	56	6,5	20	4	3	6	3
7051775-M4	7051773-M4	7051770-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
7051775-M5	7051773-M5	7051770-M5	M 5	0,8	70	8	25	6	4,9	8	3
7051775-M6	7051773-M6	7051770-M6	M 6	1	80	10	30	6	4,9	8	3
7051775-M7		7051770-M7	M 7	1	80	10	30	7	5,5	8	3
7051775-M8	7051773-M8	7051770-M8	M 8	1,25	90	12	35	8	6,2	9	3
7051775-M10	7051773-M10	7051770-M10	M 10	1,5	100	15	39	10	8	11	3

l_g dimensions in accordance with DIN 10

DIN 376



Parallel shank

Designation TIN	Designation VAP	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		7056770-M3	M 3	0,5	56	6	34	2,2	1,8	4	3
		7056770-M4	M 4	0,7	63	7	43	2,8	2,1	5	3
		7056770-M5	M 5	0,8	70	8	49	3,5	2,7	6	3
		7056770-M6	M 6	1	80	10	59	4,5	3,4	6	3
		7056770-M8	M 8	1,25	90	12	67	6	4,9	8	3
		7056770-M10	M 10	1,5	100	15	77	7	5,5	8	3
7056775-M12	7056773-M12	7056770-M12	M 12	1,75	110	16	83	9	7	10	3
7056775-M14	7056773-M14	7056770-M14	M 14	2	110	20	81	11	9	12	3
7056775-M16	7056773-M16	7056770-M16	M 16	2	110	20	68	12	9	12	4
7056775-M18		7056770-M18	M 18	2,5	125	25	81	14	11	14	4
7056775-M20		7056770-M20	M 20	2,5	140	25	95	16	12	15	4
		7056770-M22	M 22	2,5	140	25	93	18	14,5	17	4
		7056770-M24	M 24	3	160	30	113	18	14,5	17	4
		7056770-M27	M 27	3	160	30	97	20	16	19	4
		7056770-M30	M 30	3,5	180	35	115	22	18	21	4
		7056770-M33	M 33	3,5	180	35	113	25	20	23	4
		7056770-M36	M 36	4	200	40	131	28	22	25	4

l_g dimensions in accordance with DIN 10WALTER
SELECT

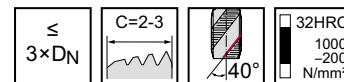
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

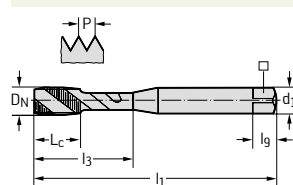
Paradur® Uni

– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●	●			

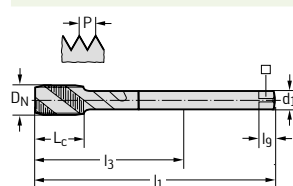
DIN 371



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
7053770-M2	M 2	0,4	45	4	9	2,8	2,1	5	3
7053770-M3	M 3	0,5	56	6	18	3,5	2,7	6	3
7053770-M4	M 4	0,7	63	7	21	4,5	3,4	6	3
7053770-M5	M 5	0,8	70	8	25	6	4,9	8	3
7053770-M6	M 6	1	80	10	30	6	4,9	8	3
7053770-M8	M 8	1,25	90	12	35	8	6,2	9	3
7053770-M10	M 10	1,5	100	15	39	10	8	11	3

DIN 376



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
7058770-M12	M 12	1,75	110	16	83	9	7	10	3
7058770-M14	M 14	2	110	20	81	11	9	12	3
7058770-M16	M 16	2	110	20	68	12	9	12	4
7058770-M20	M 20	2,5	140	25	95	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

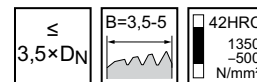
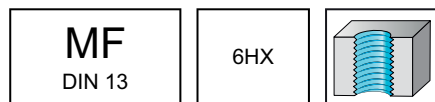
HSS-E PM machine taps

mm

Prototex® Eco Plus

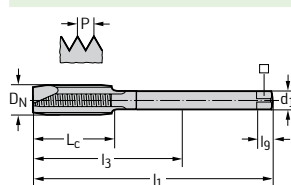


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Parallel shank

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2126302-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	3
EP2126302-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
EP2126302-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
EP2126302-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
EP2126302-M12X1	MF 12x1	1	100	21	73	9	7	10	4
EP2126302-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
EP2126302-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
EP2126302-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
EP2126302-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
EP2126302-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
EP2126302-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
EP2126302-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

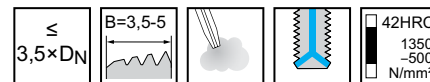
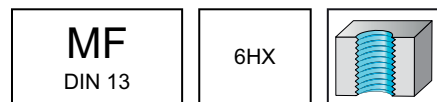
HSS-E PM machine taps

mm

Prototex® Eco Plus

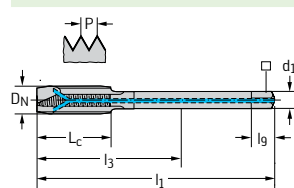


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

DIN 374



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
EP2126342-M8X1	MF 8x1	1	90	18	67	6	4,9	5	3
EP2126342-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
EP2126342-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
EP2126342-M12X1	MF 12x1	1	100	21	73	9	7	10	4
EP2126342-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
EP2126342-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
EP2126342-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
EP2126342-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
EP2126342-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
EP2126342-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	12	4

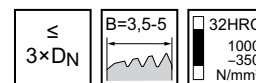
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

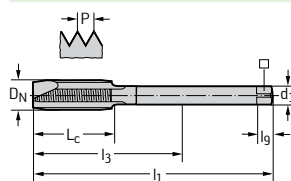
TC216 Perform mm

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●			
WY80FC	●●	●●	●●	●●			

DIN 374



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA	WY80FC
TC216-M8X1-L0-	MF 8x1	1	90	18	67	6	4,9	8	3	☹	☹
TC216-M10X1-L0-	MF 10x1	1	90	20	67	7	5,5	8	3	☹	☹
TC216-M10X1.25-L0-	MF 10x1.25	1,25	100	20	77	7	5,5	8	3	☹	☹
TC216-M12X1.25-L0-	MF 12x1.25	1,25	100	21	73	9	7	10	4	☹	☹
TC216-M12X1.5-L0-	MF 12x1.5	1,5	100	21	73	9	7	10	4	☹	☹
TC216-M14X1.5-L0-	MF 14x1.5	1,5	100	21	71	11	9	12	4	☹	☹
TC216-M16X1.5-L0-	MF 16x1.5	1,5	100	21	58	12	9	12	4	☹	☹
TC216-M18X1.5-L0-	MF 18x1.5	1,5	110	24	66	14	11	14	4	☹	☹

Ordering example for the grade WY80AA: TC216-M10X1-L0-WY80AA

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

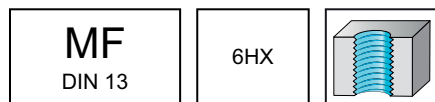
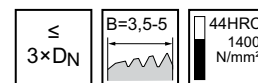
HSS-E machine taps

mm

Prototex® Synchrospeed



- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●●		●●
THL	●●	●●	●●	●●	●●		●●

~DIN 371	Designation THL	Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	mm	l ₉ mm	N
Parallel shank	S2126302-M8X1	S2126305-M8X1	MF 8x1	1	90	10	35	8	6,2	9	3
	S2126302-M10X1.25	S2126305-M10X1.25	MF 10x1.25	1,25	100	13	39	10	8	11	3
	S2126302-M12X1.25	S2126305-M12X1.25	MF 12x1.25	1,25	100	13	42	12	9	12	3
	S2126302-M12X1.5	S2126305-M12X1.5	MF 12x1.5	1,5	100	15	42	12	9	12	3
	S2126302-M14X1.5	S2126305-M14X1.5	MF 14x1.5	1,5	100	15	49	14	11	14	3
	S2126302-M16X1.5	S2126305-M16X1.5	MF 16x1.5	1,5	100	15	50	16	12	15	4

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

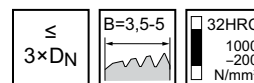
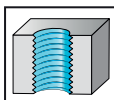
Prototex® X-pert P



– For long-chipping materials

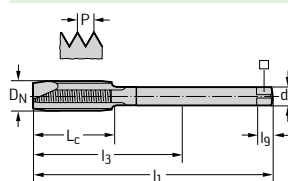
MF
DIN 13

ISO2/6H



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 374



Parallel shank

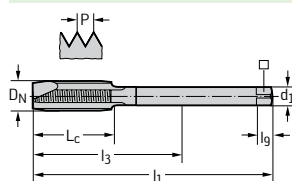
Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h ₉ mm	mm	l ₂ mm	N
	P21360-M4X0.5	MF 4x0.5	0,5	63	12	43	2,8	2,1	5	3
P2136005-M5X0.5	P21360-M5X0.5	MF 5x0.5	0,5	70	13	49	3,5	2,7	6	3
P2136005-M6X0.5	P21360-M6X0.5	MF 6x0.5	0,5	80	15	59	4,5	3,4	6	3
P2136005-M6X0.75	P21360-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	3
P2136005-M8X0.5	P21360-M8X0.5	MF 8x0.5	0,5	80	15	57	6	4,9	8	3
P2136005-M8X0.75	P21360-M8X0.75	MF 8x0.75	0,75	80	15	57	6	4,9	8	3
P2136005-M8X1	P21360-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
	P21360-M9X1	MF 9x1	1	90	18	67	7	5,5	8	3
	P21360-M10X0.5	MF 10x0.5	0,5	90	20	67	7	5,5	8	3
	P21360-M10X0.75	MF 10x0.75	0,75	90	20	67	7	5,5	8	3
P2136005-M10X1	P21360-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
P2136005-M10X1.25	P21360-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
	P21360-M12X0.5	MF 12x0.5	0,5	100	21	73	9	7	10	4
P2136005-M12X1	P21360-M12X1	MF 12x1	1	100	21	73	9	7	10	4
	P21360-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
P2136005-M12X1.5	P21360-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
	P21360-M14X1	MF 14x1	1	100	21	71	11	9	12	4
	P21360-M14X1.25	MF 14x1.25	1,25	100	21	71	11	9	12	4
P2136005-M14X1.5	P21360-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
	P21360-M16X1	MF 16x1	1	100	21	58	12	9	12	4
P2136005-M16X1.5	P21360-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
	P21360-M18X1	MF 18x1	1	110	24	66	14	11	14	4
P2136005-M18X1.5	P21360-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
	P21360-M18X2	MF 18x2	2	125	30	81	14	11	14	4
	P21360-M20X1	MF 20x1	1	125	24	80	16	12	15	4
P2136005-M20X1.5	P21360-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
	P21360-M20X2	MF 20x2	2	140	30	95	16	12	15	4
	P21360-M22X1	MF 22x1	1	125	24	78	18	14,5	17	4
P2136005-M22X1.5	P21360-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4
	P21360-M22X2	MF 22x2	2	140	26	93	18	14,5	17	4
	P21360-M24X1	MF 24x1	1	140	26	93	18	14,5	17	4
P2136005-M24X1.5	P21360-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	4
P2136005-M24X2	P21360-M24X2	MF 24x2	2	140	26	93	18	14,5	17	4
	P21360-M25X1.5	MF 25x1.5	1,5	140	26	93	18	14,5	17	4
	P21360-M26X1.5	MF 26x1.5	1,5	140	26	93	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

DIN 374



Parallel shank

Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P21360-M27X1	MF 27x1	1	140	26	77	20	16	19	4
	P21360-M27X1.5	MF 27x1.5	1.5	140	26	77	20	16	19	4
P2136005-M27X2	P21360-M27X2	MF 27x2	2	140	26	77	20	16	19	4
	P21360-M28X1.5	MF 28x1.5	1.5	140	26	77	20	16	19	4
	P21360-M30X1	MF 30x1	1	150	26	85	22	18	21	4
P2136005-M30X1.5	P21360-M30X1.5	MF 30x1.5	1.5	150	26	85	22	18	21	4
P2136005-M30X2	P21360-M30X2	MF 30x2	2	150	26	85	22	18	21	4
	P21360-M32X1.5	MF 32x1.5	1.5	150	26	85	22	18	21	4
	P21360-M32X2	MF 32x2	2	150	26	85	22	18	21	4
	P21360-M33X1.5	MF 33x1.5	1.5	160	28	93	25	20	23	4
	P21360-M33X2	MF 33x2	2	160	28	93	25	20	23	4
	P21360-M35X1.5	MF 35x1.5	1.5	170	28	101	28	22	25	4
	P21360-M36X1.5	MF 36x1.5	1.5	170	28	101	28	22	25	4
	P21360-M36X2	MF 36x2	2	170	28	101	28	22	25	4
	P21360-M36X3	MF 36x3	3	200	39	131	28	22	25	4
	P21360-M38X1.5	MF 38x1.5	1.5	170	28	101	28	22	25	5
	P21360-M39X2	MF 39x2	2	170	28	72	32	24	27	4
	P21360-M40X1.5	MF 40x1.5	1.5	170	28	72	32	24	27	5
	P21360-M40X2	MF 40x2	2	170	28	72	32	24	27	4
	P21360-M42X1.5	MF 42x1.5	1.5	170	28	72	32	24	27	5
	P21360-M42X2	MF 42x2	2	170	28	72	32	24	27	4
	P21360-M42X3	MF 42x3	3	200	42	102	32	24	27	4
	P21360-M45X1.5	MF 45x1.5	1.5	180	28	77	36	29	32	5
	P21360-M48X1.5	MF 48x1.5	1.5	190	28	87	36	29	32	5
	P21360-M48X3	MF 48x3	3	225	45	122	36	29	32	4
	P21360-M50X1.5	MF 50x1.5	1.5	190	28	87	36	29	32	5

C1

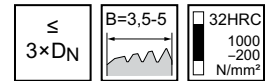
HSS-E machine taps

mm

Prototex® X-pert P

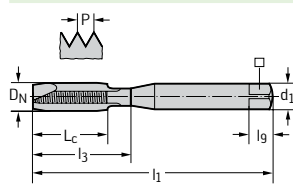


- Reduced number of grooves
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P21210-M2X0.25	MF 2x0.25	0,25	45	6	9	2,8	2,1	5	2
P21210-M2.2X0.25	MF 2.2x0.25	0,25	45	7	12	2,8	2,1	5	2
P21210-M2.3X0.25	MF 2.3x0.25	0,25	45	7	12	2,8	2,1	5	2
P21210-M2.5X0.35	MF 2.5x0.35	0,35	50	8	12,5	2,8	2,1	5	2
P21210-M3X0.25	MF 3x0.25	0,25	56	6	18	3,5	2,7	6	2
P21210-M3X0.35	MF 3x0.35	0,35	56	9	18	3,5	2,7	6	2
P21210-M3.5X0.35	MF 3.5x0.35	0,35	56	11	20	4	3	6	2
P21210-M4X0.35	MF 4x0.35	0,35	63	12	21	4,5	3,4	6	2
P21210-M4X0.5	MF 4x0.5	0,5	63	12	21	4,5	3,4	6	2
P21210-M4.5X0.5	MF 4.5x0.5	0,5	70	13	25	6	4,9	8	2
P21210-M5X0.5	MF 5x0.5	0,5	70	13	25	6	4,9	8	3
P21210-M5X0.75	MF 5x0.75	0,75	70	13	25	6	4,9	8	3
P21210-M6X0.5	MF 6x0.5	0,5	80	15	30	6	4,9	8	3
P21210-M6X0.75	MF 6x0.75	0,75	80	15	30	6	4,9	8	3
P21210-M7X0.75	MF 7x0.75	0,75	80	15	30	7	5,5	8	3
P21210-M8X1	MF 8x1	1	90	18	35	8	6,2	9	3
P21210-M10X1	MF 10x1	1	90	20	39	10	8	11	3

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

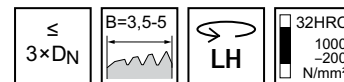
HSS-E machine taps

mm

Prototex® X-pert P

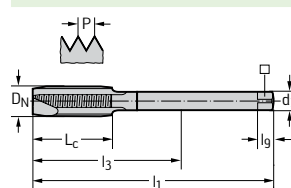


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 374



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P212608-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
P212608-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
P212608-M12X1	MF 12x1	1	100	21	73	9	7	10	4
P212608-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
P212608-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
P212608-M16X1	MF 16x1	1	100	21	58	12	9	12	4
P212608-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
P212608-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
P212608-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

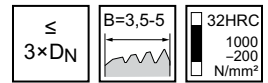
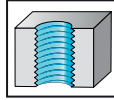
Prototex® X-pert P



– For long-chipping materials

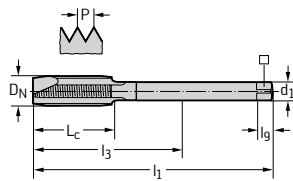
MF
DIN 13

ISO3/6G



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 374



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P21380-M4X0.5	MF 4x0.5	0,5	63	12	43	2,8	2,1	5	3
	P21380-M5X0.5	MF 5x0.5	0,5	70	13	49	3,5	2,7	6	3
	P21380-M6X0.5	MF 6x0.5	0,5	80	15	59	4,5	3,4	6	3
	P21380-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	3
	P21380-M8X0.75	MF 8x0.75	0,75	80	15	57	6	4,9	8	3
P2138005-M8X1	P21380-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
P2138005-M10X1	P21380-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
	P21380-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
P2138005-M12X1	P21380-M12X1	MF 12x1	1	100	21	73	9	7	10	4
	P21380-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
P2138005-M12X1.5	P21380-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
P2138005-M14X1.5	P21380-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
P2138005-M16X1.5	P21380-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
	P21380-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
	P21380-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
	P21380-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4
	P21380-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	4

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

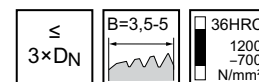
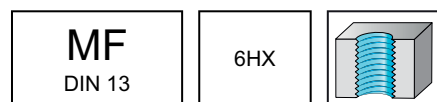
HSS-E machine taps

mm

Prototex® X-pert M

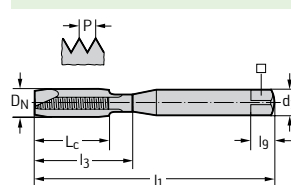


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●	●	●	●	●	●

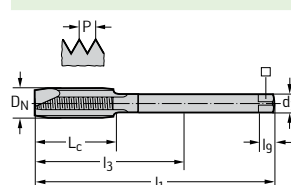
DIN 371



Parallel shank

Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
M2121305-M5X0.5	MF 5x0.5	0,5	70	13	25	6	4,9	8	3
M2121305-M6X0.5	MF 6x0.5	0,5	80	15	30	6	4,9	8	3
M2121305-M6X0.75	MF 6x0.75	0,75	80	15	30	6	4,9	8	3

DIN 374



Parallel shank

Designation TIN	Designation VAP	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
M2126305-M8X0.5	M21263-M8X0.5	MF 8x0.5	0,5	80	15	57	6	4,9	8	3
M2126305-M8X0.75	M21263-M8X0.75	MF 8x0.75	0,75	80	15	57	6	4,9	8	3
M2126305-M8X1	M21263-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
	M21263-M10X0.75	MF 10x0.75	0,75	90	20	67	7	5,5	8	3
M2126305-M10X1	M21263-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
M2126305-M10X1.25	M21263-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
	M21263-M12X1	MF 12x1	1	100	21	73	9	7	10	4
	M21263-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
M2126305-M12X1.5	M21263-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
	M21263-M14X1	MF 14x1	1	100	21	71	11	9	12	4
M2126305-M14X1.5	M21263-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
	M21263-M16X1	MF 16x1	1	100	21	58	12	9	12	4
M2126305-M16X1.5	M21263-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
M2126305-M18X1.5	M21263-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
M2126305-M20X1.5	M21263-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
	M21263-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4
	M21263-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

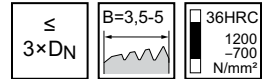
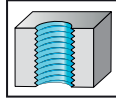
Prototex® X-pert M



– For long-chipping materials

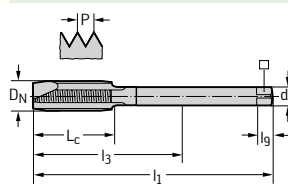
MF
DIN 13

6GX



	P	M	K	N	S	H	O
TIN	●	●●					

DIN 374



Designation TIN		P mm	l ₁ mm	L _c mm	l ₃ mm	h ₉ mm	 mm	l ₉ mm	N
M2128305-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
M2128305-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
M2128305-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
M2128305-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
M2128305-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	4

Parallel shank

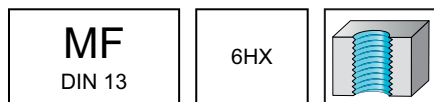
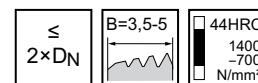
C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

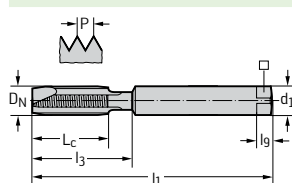
HSS-E PM machine taps

mm

Prototex® TiNi


	P	M	K	N	S	H	O
TiCN	●●	●●	●●	●●	●●	●●	●●
uncoated	●●	●●	●●	●●	●●	●●	●●

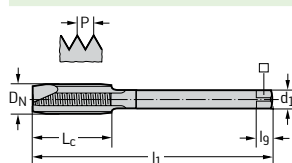
~DIN 371



Parallel shank

Designation TiCN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
21216106-M8X0.75	212161-M8X0.75	MF 8x0.75	0,75	80	10	29	8	6,2	9	3
21216106-M8X1	212161-M8X1	MF 8x1	1	90	12	29	8	6,2	9	3
	212161-M10X1	MF 10x1	1	90	14	33	10	8	11	3

DIN 374



Parallel shank

Designation TiCN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
21266106-M10X1.25	212661-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
21266106-M12X1	212661-M12X1	MF 12x1	1	100	16	73	9	7	10	4
21266106-M12X1.25	212661-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
21266106-M12X1.5	212661-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
21266106-M14X1	212661-M14X1	MF 14x1	1	100	16	71	11	9	12	4
21266106-M14X1.5	212661-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
21266106-M16X1	212661-M16X1	MF 16x1	1	100	18	58	12	9	12	4

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

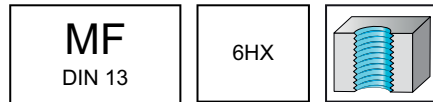
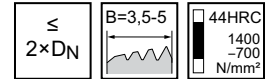
HSS-E PM machine taps

mm

Prototex® TiNi Plus



- Recommended with emulsion
- For long-chipping materials



	P	M	K	N	S	H	O
ACN					●●		

~DIN 371										
	Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	2121763-M6X0.75	MF 6x0.75	0,75	80	15	23	6	4,9	8	3
	2121763-M8X0.75	MF 8x0.75	0,75	90	18	29,5	8	6,2	9	3
	2121763-M8X1	MF 8x1	1	90	18	29,5	8	6,2	9	3
	2121763-M10X1	MF 10x1	1	100	20	33,5	10	8	11	3
Parallel shank										
DIN 374										
	Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	2126763-M12X1	MF 12x1	1	100	21	73	9	7	10	4
	2126763-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
	2126763-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
Parallel shank										

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

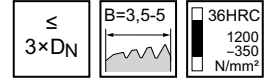
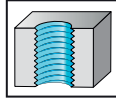
Prototex® Sprint



– For long-chipping materials

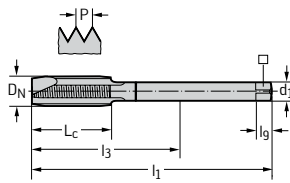
MF
DIN 13

ISO2/6H



	P	M	K	N	S	H	O
TIN	●	●	●	●	●	●	●

DIN 374



Parallel shank

Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
7126365-M8X1	MF 8x1	1	90	18	62	6	4,9	8	3
7126365-M10X1	MF 10x1	1	90	20	62	7	5,5	8	3
7126365-M12X1.25	MF 12x1.25	1,25	100	21	67	9	7	10	4
7126365-M12X1.5	MF 12x1.5	1,5	100	21	66	9	7	10	4
7126365-M14X1.5	MF 14x1.5	1,5	100	21	64	11	9	12	4
7126365-M16X1.5	MF 16x1.5	1,5	100	21	51	12	9	12	4
7126365-M20X1.5	MF 20x1.5	1,5	125	24	73	16	12	15	4

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

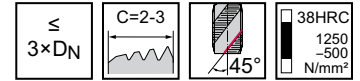
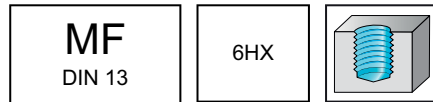
HSS-E PM machine taps

mm

Paradur® Eco Plus



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374

Parallel shank

Designation THL	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	 mm	l_9 mm	N
EP2156302-M6X0.75	MF 6x0.75	0,75	80	10	59	4,5	3,4	6	3
EP2156302-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
EP2156302-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
EP2156302-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
EP2156302-M12X1	MF 12x1	1	100	13	73	9	7	10	4
EP2156302-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
EP2156302-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156302-M14X1.25	MF 14x1.25	1,25	100	15	71	11	9	12	4
EP2156302-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
EP2156302-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
EP2156302-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
EP2156302-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4
EP2156302-M22X1.5	MF 22x1.5	1,5	125	18	78	18	14,5	17	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

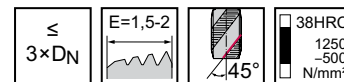
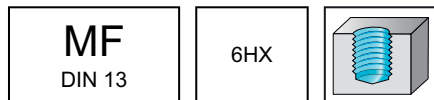
HSS-E PM machine taps

mm

Paradur® Eco Plus

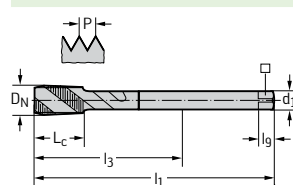


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2156362-M8X1	MF 8x1	1	90	12	67	6	4,9	8	4
EP2156362-M10X1	MF 10x1	1	90	12	67	7	5,5	8	4
EP2156362-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156362-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

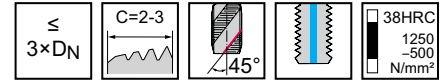
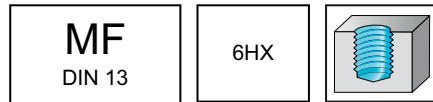
HSS-E PM machine taps

mm

Paradur® Eco Plus

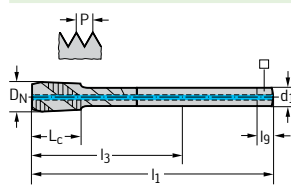


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 374



Parallel shank

Designation THL	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2156312-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
EP2156312-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
EP2156312-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
EP2156312-M12X1	MF 12x1	1	100	13	73	9	7	10	4
EP2156312-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
EP2156312-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
EP2156312-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
EP2156312-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
EP2156312-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
EP2156312-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4

C1

WALTER
SELECT

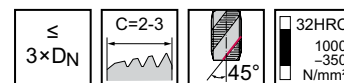
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

TC115 Perform mm

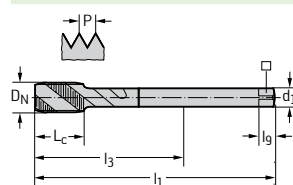


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●			
WY80FC	●●	●●	●●	●			

DIN 374



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AA	WY80FC
TC115-M8X1-L0-	MF 8x1	1	90	12	67	6	4,9	8	3	☹	☹
TC115-M10X1-L0-	MF 10x1	1	90	12	67	7	5,5	8	3	☹	☹
TC115-M10X1.25-L0-	MF 10x1.25	1,25	100	15	77	7	5,5	8	3	☹	☹
TC115-M12X1.25-L0-	MF 12x1.25	1,25	100	13	73	9	7	10	4	☹	☹
TC115-M12X1.5-L0-	MF 12x1.5	1,5	100	13	73	9	7	10	4	☹	☹
TC115-M14X1.5-L0-	MF 14x1.5	1,5	100	15	71	11	9	12	4	☹	☹
TC115-M16X1.5-L0-	MF 16x1.5	1,5	100	15	58	12	9	12	4	☹	☹
TC115-M18X1.5-L0-	MF 18x1.5	1,5	110	17	66	14	11	14	4	☹	☹

Ordering example for the grade WY80AA: TC115-M10X1-L0-WY80AA

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

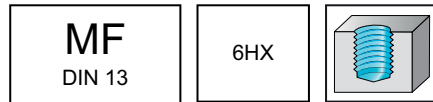
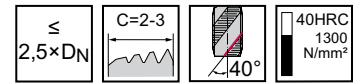
HSS-E machine taps

mm

Paradur® Synchrospeed



- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
TIN/VAP	●●	●●	●●	●	●		●
THL	●●	●●	●●	●	●		●

~DIN 371	Designation THL	Designation TIN/VAP	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	l_2 mm	l_9 mm	N
Parallel shank	S2156302-M8X1	S2156305-M8X1	MF 8x1	1	90	10,5	35	8	6,2	9	3
	S2156302-M10X1	S2156305-M10X1	MF 10x1	1	90	10,5	39	10	8	11	3
	S2156302-M10X1.25	S2156305-M10X1.25	MF 10x1.25	1,25	100	13,5	39	10	8	11	3
	S2156302-M12X1.25		MF 12x1.25	1,25	100	13,5	42	12	9	12	3
	S2156302-M12X1.5	S2156305-M12X1.5	MF 12x1.5	1,5	100	16	42	12	9	12	3
	S2156302-M14X1.5	S2156305-M14X1.5	MF 14x1.5	1,5	100	16	49	14	11	14	4
	S2156302-M16X1.5	S2156305-M16X1.5	MF 16x1.5	1,5	100	16	50	16	12	15	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

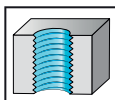
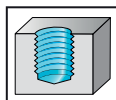
Paradur® H



– For long- and short-chipping materials

MF
DIN 13

ISO2/6H



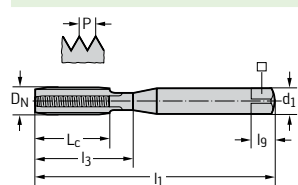
$\leq$
 $1,5 \times D_N$

$C=2-3$

32HRC
1000
~200
N/mm²

	P	M	K	N	S	H	O
uncoated							

DIN 371



Parallel shank

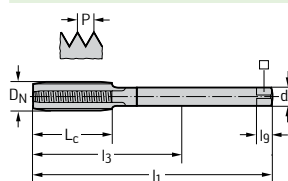
Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_g mm	N
21311-M2X0.25	MF 2x0.25	0,25	45	6	9	2,8	2,1	5 3
21311-M2.2X0.25	MF 2.2x0.25	0,25	45	7	12	2,8	2,1	5 3
21311-M2.5X0.35	MF 2.5x0.35	0,35	50	8	12,5	2,8	2,1	5 3
21311-M3X0.35	MF 3x0.35	0,35	56	9	18	3,5	2,7	6 3
21311-M3.5X0.35	MF 3.5x0.35	0,35	56	11	20	4	3	6 3
21311-M4X0.35	MF 4x0.35	0,35	63	12	21	4,5	3,4	6 3
21311-M4X0.5	MF 4x0.5	0,5	63	12	21	4,5	3,4	6 3
21311-M5X0.35	MF 5x0.35	0,35	70	13	25	6	4,9	8 3
21311-M5X0.5	MF 5x0.5	0,5	70	13	25	6	4,9	8 3
21311-M6X0.75	MF 6x0.75	0,75	80	15	30	6	4,9	8 3
21311-M7X0.75	MF 7x0.75	0,75	80	15	30	7	5,5	8 3

**WALTER
SELECT**

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

●● Primary application ● Other application

DIN 374

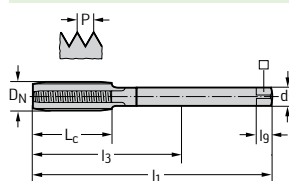


Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h ₉ mm	□ mm	l _g mm	N
21361-M4X0.5	MF 4x0.5	0,5	63	12	43	2,8	2,1	5	3
21361-M5X0.5	MF 5x0.5	0,5	70	13	49	3,5	2,7	6	3
21361-M6X0.5	MF 6x0.5	0,5	80	15	59	4,5	3,4	6	3
21361-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	3
21361-M7X0.5	MF 7x0.5	0,5	80	15	58	5,5	4,3	7	3
21361-M7X0.75	MF 7x0.75	0,75	80	15	58	5,5	4,3	7	3
21361-M8X0.5	MF 8x0.5	0,5	80	15	57	6	4,9	8	3
21361-M8X0.75	MF 8x0.75	0,75	80	15	57	6	4,9	8	3
21361-M8X1	MF 8x1	1	90	18	67	6	4,9	8	3
21361-M9X0.5	MF 9x0.5	0,5	90	15	67	7	5,5	8	3
21361-M9X0.75	MF 9x0.75	0,75	90	15	67	7	5,5	8	3
21361-M9X1	MF 9x1	1	90	18	67	7	5,5	8	3
21361-M10X0.5	MF 10x0.5	0,5	90	20	67	7	5,5	8	3
21361-M10X0.75	MF 10x0.75	0,75	90	20	67	7	5,5	8	3
21361-M10X1	MF 10x1	1	90	20	67	7	5,5	8	3
21361-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
21361-M11X1	MF 11x1	1	90	20	66	8	6,2	9	3
21361-M12X0.5	MF 12x0.5	0,5	100	21	73	9	7	10	3
21361-M12X0.75	MF 12x0.75	0,75	100	21	73	9	7	10	4
21361-M12X1	MF 12x1	1	100	21	73	9	7	10	4
21361-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
21361-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
21361-M14X1	MF 14x1	1	100	21	71	11	9	12	4
21361-M14X1.25	MF 14x1.25	1,25	100	21	71	11	9	12	4
21361-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
21361-M15X1.5	MF 15x1.5	1,5	100	21	58	12	9	12	4
21361-M16X1	MF 16x1	1	100	21	58	12	9	12	4
21361-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
21361-M18X1	MF 18x1	1	110	24	66	14	11	14	4
21361-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
21361-M18X2	MF 18x2	2	125	30	81	14	11	14	4
21361-M20X1	MF 20x1	1	125	24	80	16	12	15	4
21361-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
21361-M20X2	MF 20x2	2	140	30	95	16	12	15	4
21361-M22X1	MF 22x1	1	125	24	78	18	14,5	17	4

C1

DIN 374



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
21361-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4
21361-M22X2	MF 22x2	2	140	26	93	18	14,5	17	4
21361-M24X1	MF 24x1	1	140	26	93	18	14,5	17	4
21361-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	4
21361-M24X2	MF 24x2	2	140	26	93	18	14,5	17	4
21361-M25X1.5	MF 25x1.5	1,5	140	26	93	18	14,5	17	4
21361-M26X1.5	MF 26x1.5	1,5	140	26	93	18	14,5	17	4
21361-M27X1	MF 27x1	1	140	26	77	20	16	19	4
21361-M27X1.5	MF 27x1.5	1,5	140	26	77	20	16	19	4
21361-M27X2	MF 27x2	2	140	26	77	20	16	19	4
21361-M28X1.5	MF 28x1.5	1,5	140	26	77	20	16	19	4
21361-M28X2	MF 28x2	2	140	26	77	20	16	19	4
21361-M30X1	MF 30x1	1	150	26	85	22	18	21	4
21361-M30X1.5	MF 30x1.5	1,5	150	26	85	22	18	21	4
21361-M30X2	MF 30x2	2	150	26	85	22	18	21	4
21361-M32X1.5	MF 32x1.5	1,5	150	26	85	22	18	21	4
21361-M33X1.5	MF 33x1.5	1,5	160	28	93	25	20	23	4
21361-M33X2	MF 33x2	2	160	28	93	25	20	23	4
21361-M35X1.5	MF 35x1.5	1,5	170	28	101	28	22	25	4
21361-M36X1.5	MF 36x1.5	1,5	170	28	101	28	22	25	4
21361-M36X2	MF 36x2	2	170	28	101	28	22	25	4
21361-M36X3	MF 36x3	3	200	39	131	28	22	25	4
21361-M38X1.5	MF 38x1.5	1,5	170	28	101	28	22	25	6
21361-M39X1.5	MF 39x1.5	1,5	170	28	72	32	24	27	6
21361-M39X3	MF 39x3	3	200	42	102	32	24	27	4
21361-M40X1.5	MF 40x1.5	1,5	170	28	72	32	24	27	6
21361-M40X2	MF 40x2	2	170	28	72	32	24	27	4
21361-M42X1.5	MF 42x1.5	1,5	170	28	72	32	24	27	6
21361-M42X2	MF 42x2	2	170	28	72	32	24	27	4
21361-M42X3	MF 42x3	3	200	42	102	32	24	27	4
21361-M45X1.5	MF 45x1.5	1,5	180	28	77	36	29	32	6
21361-M45X2	MF 45x2	2	180	30	77	36	29	32	6
21361-M45X3	MF 45x3	3	200	42	97	36	29	32	4
21361-M48X1.5	MF 48x1.5	1,5	190	28	87	36	29	32	6
21361-M48X2	MF 48x2	2	190	30	87	36	29	32	6
21361-M48X3	MF 48x3	3	225	45	122	36	29	32	4
21361-M50X1.5	MF 50x1.5	1,5	190	28	87	36	29	32	6
21361-M52X1.5	MF 52x1.5	1,5	190	29	60	40	32	35	6
21361-M52X2	MF 52x2	2	190	32	60	40	32	35	6
21361-M52X3	MF 52x3	3	225	45	95	40	32	35	6

C1

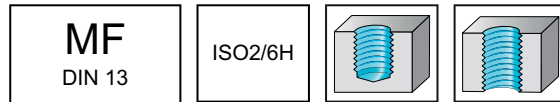
HSS-E machine taps

mm

Paradur® H

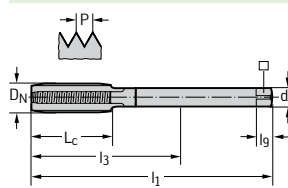


– For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated			●	●●			●

DIN 374



Parallel shank

Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h_9 mm	l_9 mm	N
21368-M4X0.5	MF 4x0.5	0,5	63	12	43	2,8	2,1	3
21368-M5X0.5	MF 5x0.5	0,5	70	13	49	3,5	2,7	3
21368-M6X0.5	MF 6x0.5	0,5	80	15	59	4,5	3,4	3
21368-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	3
21368-M8X0.5	MF 8x0.5	0,5	80	15	57	6	4,9	3
21368-M8X0.75	MF 8x0.75	0,75	80	15	57	6	4,9	3
21368-M8X1	MF 8x1	1	90	18	67	6	4,9	3
21368-M10X0.75	MF 10x0.75	0,75	90	20	67	7	5,5	3
21368-M10X1	MF 10x1	1	90	20	67	7	5,5	3
21368-M12X1	MF 12x1	1	100	21	73	9	7	4
21368-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	4
21368-M14X1	MF 14x1	1	100	21	71	11	9	4
21368-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	4
21368-M16X1	MF 16x1	1	100	21	58	12	9	4
21368-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	4
21368-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	4
21368-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	4
21368-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	4
21368-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	4

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

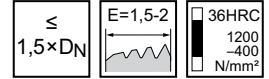
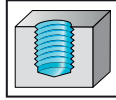
Paradur® HN



– For short-chipping materials

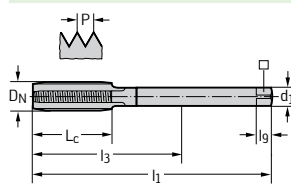
MF
DIN 13

6HX



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			

DIN 374



Parallel shank

Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	h_9 mm	l_9 mm	N
213614-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	5
213614-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	6
213614-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	6
213614-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	6
213614-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	6
213614-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	6

C1

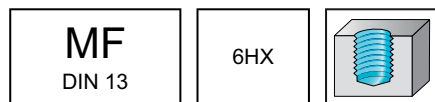
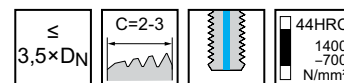
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

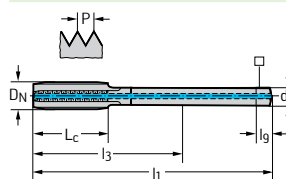
TC130 Supreme 

- WY80AA: Good Performance
- WY80EH: Excellent Performance



	P	M	K	N	S	H	O
WY80AA	●●		●●	●			●
WY80EH	●●		●●	●			●

DIN 374



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA	WY80EH
TC130-M10X1-L1-	MF 10x1	1	90	20	67	7	5,5	8	3	☹	☹
TC130-M12X1.5-L1-	MF 12x1.5	1,5	100	21	73	9	7	10	3	☹	☹
TC130-M14X1.5-L1-	MF 14x1.5	1,5	100	21	71	11	9	12	3	☹	☹
TC130-M16X1.5-L1-	MF 16x1.5	1,5	100	21	58	12	9	12	3	☹	☹
TC130-M18X1.5-L1-	MF 18x1.5	1,5	110	24	66	14	11	14	3	☹	☹
TC130-M20X1.5-L1-	MF 20x1.5	1,5	125	24	80	16	12	15	3	☹	☹
TC130-M22X1.5-L1-	MF 22x1.5	1,5	125	24	78	18	14,5	17	3	☹	☹
TC130-M24X1.5-L1-	MF 24x1.5	1,5	140	26	93	18	14,5	17	4	☹	
TC130-M30X2-L1-	MF 30x2	2	150	26	85	22	18	21	4	☹	
TC130-M33X2-L1-	MF 33x2	2	160	28	93	25	20	23	4	☹	

Ordering example for the grade WY80AA: TC130-M10X1-L1-WY80AA

C1

WALTER
SELECT

●● Primary application ● Other application

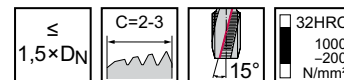
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E machine taps

mm

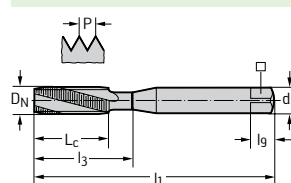
Paradur® N

– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

DIN 371



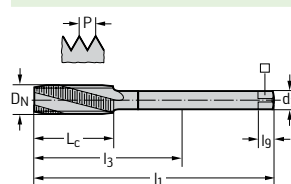
Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
21410-M4X0.5	MF 4x0.5	0,5	63	7	21	4,5	3,4	6	3
21410-M5X0.5	MF 5x0.5	0,5	70	8	25	6	4,9	8	3
21410-M6X0.5	MF 6x0.5	0,5	80	10	30	6	4,9	8	3
21410-M6X0.75	MF 6x0.75	0,75	80	10	30	6	4,9	8	3

l₉ dimensions in accordance with DIN 10

C1

DIN 374



Parallel shank

Designation TICN	Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2146005-M8X0.75	2146005-M8X0.75	21460-M8X0.75	MF 8x0.75	0,75	80	10	57	6	4,9	8	3
2146006-M8X1	2146005-M8X1	21460-M8X1	MF 8x1	1	90	13	67	6	4,9	8	3
2146006-M10X1	2146005-M10X1	21460-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
		21460-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
2146006-M12X1	2146005-M12X1	21460-M12X1	MF 12x1	1	100	13	73	9	7	10	3
		21460-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	3
2146006-M12X1.5	2146005-M12X1.5	21460-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	3
		21460-M14X1	MF 14x1	1	100	15	71	11	9	12	4
		21460-M14X1.25	MF 14x1.25	1,25	100	15	71	11	9	12	4
2146006-M14X1.5	2146005-M14X1.5	21460-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
		21460-M16X1	MF 16x1	1	100	15	58	12	9	12	4
2146006-M16X1.5	2146005-M16X1.5	21460-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
2146006-M18X1.5	2146005-M18X1.5	21460-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
2146006-M20X1.5	2146005-M20X1.5	21460-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
		21460-M20X2	MF 20x2	2	140	30	95	16	12	15	4
	2146005-M22X1.5	21460-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4
	2146005-M24X1.5	21460-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	4
		21460-M24X2	MF 24x2	2	140	26	93	18	14,5	17	4
		21460-M26X1.5	MF 26x1.5	1,5	140	26	93	18	14,5	17	4
		21460-M27X1.5	MF 27x1.5	1,5	140	26	77	20	16	19	4
		21460-M27X2	MF 27x2	2	140	26	77	20	16	19	4
		21460-M28X1.5	MF 28x1.5	1,5	140	26	77	20	16	19	4
		21460-M30X1.5	MF 30x1.5	1,5	150	26	85	22	18	21	4
		21460-M30X2	MF 30x2	2	150	26	85	22	18	21	4
		21460-M36X1.5	MF 36x1.5	1,5	170	28	101	28	22	25	4

l₉ dimensions in accordance with DIN 10

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

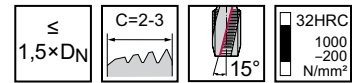
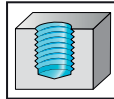
Paradur® N



– For long-chipping materials

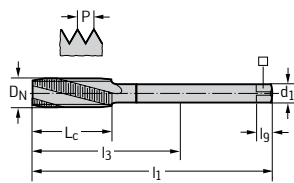
MF
DIN 13

ISO3/6G



	P	M	K	N	S	H	O
TIN	●●		●●	●●			
uncoated	●●		●●	●●			

DIN 374



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	21480-M4X0.5	MF 4x0.5	0,5	63	7	43	2,8	2,1	5	3
	21480-M5X0.5	MF 5x0.5	0,5	70	8	49	3,5	2,7	6	3
	21480-M6X0.5	MF 6x0.5	0,5	80	10	59	4,5	3,4	6	3
	21480-M6X0.75	MF 6x0.75	0,75	80	10	59	4,5	3,4	6	3
	21480-M8X0.75	MF 8x0.75	0,75	80	10	57	6	4,9	8	3
2148005-M8X1	21480-M8X1	MF 8x1	1	90	13	67	6	4,9	8	3
2148005-M10X1	21480-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
2148005-M12X1	21480-M12X1	MF 12x1	1	100	13	73	9	7	10	3
2148005-M12X1.5	21480-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	3
2148005-M14X1.5	21480-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
2148005-M16X1.5	21480-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
	21480-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
	21480-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
	21480-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	4

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

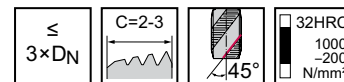
HSS-E machine taps

mm

Paradur® X-pert P

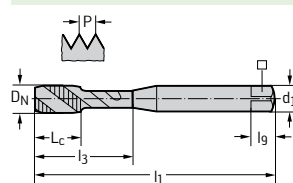


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 371



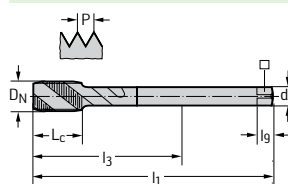
Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P21519-M2.5X0.35	MF 2.5x0.35	0,35	50	4	12,5	2,8	2,1	5	3
P21519-M3X0.25	MF 3x0.25	0,25	56	6	18	3,5	2,7	6	3
P21519-M3X0.35	MF 3x0.35	0,35	56	6	18	3,5	2,7	6	3
P21519-M4X0.35	MF 4x0.35	0,35	63	7	21	4,5	3,4	6	3
P21519-M4X0.5	MF 4x0.5	0,5	63	7	21	4,5	3,4	6	3
P21519-M4.5X0.5	MF 4.5x0.5	0,5	70	8	25	6	4,9	8	3
P21519-M5X0.5	MF 5x0.5	0,5	70	8	25	6	4,9	8	3
P21519-M6X0.5	MF 6x0.5	0,5	80	10	30	6	4,9	8	3
P21519-M6X0.75	MF 6x0.75	0,75	80	10	30	6	4,9	8	3
P21519-M7X0.75	MF 7x0.75	0,75	80	10	30	7	5,5	8	3
P21519-M8X1	MF 8x1	1	90	12	35	8	6,2	9	3
P21519-M10X1	MF 10x1	1	90	12	39	10	8	11	3

WALTER
SELECT

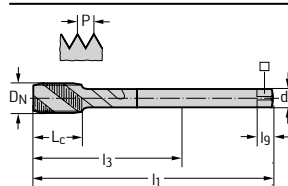
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

DIN 374



Parallel shank

Designation TIN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P21569-M8X0.75	MF 8x0.75	0,75	80	10	57	6	4,9	8	3
P2156905-M8X1	P21569-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
	P21569-M9X1	MF 9x1	1	90	13	67	7	5,5	8	3
	P21569-M10X0.75	MF 10x0.75	0,75	90	12	67	7	5,5	8	3
P2156905-M10X1	P21569-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
P2156905-M10X1.25	P21569-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
P2156905-M12X1	P21569-M12X1	MF 12x1	1	100	13	73	9	7	10	4
P2156905-M12X1.25	P21569-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
P2156905-M12X1.5	P21569-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
	P21569-M14X1	MF 14x1	1	100	15	71	11	9	12	4
	P21569-M14X1.25	MF 14x1.25	1,25	100	15	71	11	9	12	4
P2156905-M14X1.5	P21569-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
	P21569-M16X1	MF 16x1	1	100	15	58	12	9	12	4
P2156905-M16X1.5	P21569-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
	P21569-M18X1	MF 18x1	1	110	17	66	14	11	14	4
P2156905-M18X1.5	P21569-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
	P21569-M20X1	MF 20x1	1	125	17	80	16	12	15	4
P2156905-M20X1.5	P21569-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4
	P21569-M20X2	MF 20x2	2	140	25	95	16	12	15	4
	P21569-M22X1	MF 22x1	1	125	18	78	18	14,5	17	4
P2156905-M22X1.5	P21569-M22X1.5	MF 22x1.5	1,5	125	18	78	18	14,5	17	4
	P21569-M22X2	MF 22x2	2	140	20	93	18	14,5	17	4
	P21569-M24X1	MF 24x1	1	140	20	93	18	14,5	17	5
	P21569-M24X1.5	MF 24x1.5	1,5	140	20	93	18	14,5	17	5
	P21569-M24X2	MF 24x2	2	140	20	93	18	14,5	17	5
	P21569-M26X1.5	MF 26x1.5	1,5	140	20	93	18	14,5	17	5
	P21569-M27X1.5	MF 27x1.5	1,5	140	20	77	20	16	19	5
	P21569-M27X2	MF 27x2	2	140	20	77	20	16	19	5
	P21569-M30X1.5	MF 30x1.5	1,5	150	20	85	22	18	21	5
	P21569-M30X2	MF 30x2	2	150	20	85	22	18	21	5
	P21569-M32X1.5	MF 32x1.5	1,5	150	20	85	22	18	21	5
	P21569-M33X1.5	MF 33x1.5	1,5	160	22	93	25	20	23	5
	P21569-M33X2	MF 33x2	2	160	22	93	25	20	23	5
	P21569-M36X1.5	MF 36x1.5	1,5	170	22	101	28	22	25	5
	P21569-M36X2	MF 36x2	2	170	22	101	28	22	25	5
	P21569-M36X3	MF 36x3	3	200	30	131	28	22	25	5
	P21569-M38X1.5	MF 38x1.5	1,5	170	22	101	28	22	25	5
	P21569-M39X2	MF 39x2	2	170	22	72	32	24	27	5
	P21569-M39X3	MF 39x3	3	200	33	102	32	24	27	5
	P21569-M40X1.5	MF 40x1.5	1,5	170	22	72	32	24	27	5
	P21569-M42X1.5	MF 42x1.5	1,5	170	22	72	32	24	27	6
	P21569-M42X2	MF 42x2	2	170	22	72	32	24	27	6
	P21569-M42X3	MF 42x3	3	200	33	102	32	24	27	6
	P21569-M45X1.5	MF 45x1.5	1,5	180	22	77	36	29	32	6
	P21569-M48X1.5	MF 48x1.5	1,5	190	22	87	36	29	32	6
	P21569-M48X2	MF 48x2	2	190	24	87	36	29	32	6
	P21569-M48X3	MF 48x3	3	225	36	122	36	29	32	6
	P21569-M52X3	MF 52x3	3	225	36	95	40	32	35	6



Parallel shank

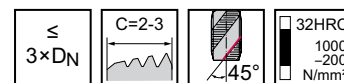
HSS-E machine taps

mm

Paradur® X-pert P

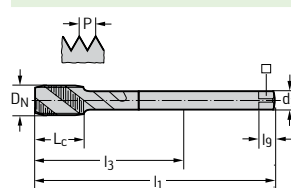


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 374



Parallel shank

Designation TIN	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P2158905-M8X1	P21589-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
P2158905-M10X1	P21589-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
P2158905-M12X1	P21589-M12X1	MF 12x1	1	100	13	73	9	7	10	4
P2158905-M12X1.5	P21589-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
P2158905-M14X1.5	P21589-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
P2158905-M16X1.5	P21589-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
P2158905-M18X1.5		MF 18x1.5	1,5	110	17	66	14	11	14	4

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

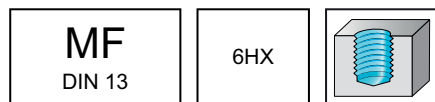
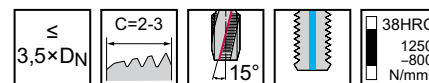
HSS-E machine taps

mm

Paradur® Short Chip HT

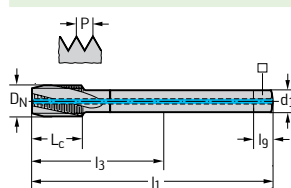


- No problems working with steel materials: No bird nesting
- Reduced helix angle and uncoated surface in the chamfer section



	P	M	K	N	S	H	O
THL	●●		●	●			
uncoated	●●		●	●			

DIN 376



Parallel shank

21460TR: Uncoated rake

Designation THL	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
21460T2-M12X1.5	21460TR-M12X1.5	MF 12x1.5	1,5	100	13	58	9	7	10	3
21460T2-M14X1.5		MF 14x1.5	1,5	100	15	71	11	9	12	4
21460T2-M16X1.5	21460TR-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

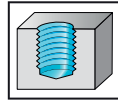
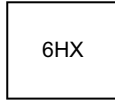
HSS-E machine taps

mm

Paradur® STE

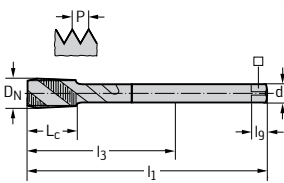


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●	●	●	●

DIN 374



Parallel shank

Designation THL	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
2156062-M8X1	MF 8x1	1	90	13	67	6	4,9	8	4
2156062-M10X1	MF 10x1	1	90	12	67	7	5,5	8	4
2156062-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
2156062-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	5
2156062-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	5
2156062-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	5

C1

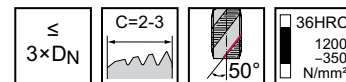
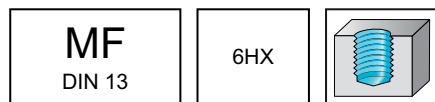
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E (-PM) machine taps

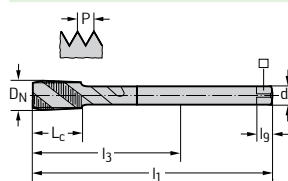
TC142 Supreme 

- WY80FC: Best chip control
- WW60RB: Best wear resistance



	P	M	K	N	S	H	O
WW60RB	●	●●					

DIN 374



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60RB
TC142-M8X1-L0-	MF 8x1	1	90	12	67	6	4,9	8	3	☼
TC142-M10X1-L0-	MF 10x1	1	90	12	67	7	5,5	8	3	☼
TC142-M10X1.25-L0-	MF 10x1.25	1,25	100	15	77	7	5,5	8	3	☼
TC142-M12X1-L0-	MF 12x1	1	100	13	73	9	7	10	4	☼
TC142-M12X1.25-L0-	MF 12x1.25	1,25	100	13	73	9	7	10	4	☼
TC142-M12X1.5-L0-	MF 12x1.5	1,5	100	13	73	9	7	10	4	☼
TC142-M14X1.5-L0-	MF 14x1.5	1,5	100	15	71	11	9	12	4	☼
TC142-M16X1.5-L0-	MF 16x1.5	1,5	100	15	58	12	9	12	4	☼
TC142-M20X1.5-L0-	MF 20x1.5	1,5	125	17	80	16	12	15	4	☼

Ordering example for the grade WW60RB: TC142-M10X1-L0-WW60RB

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☼ machining conditions

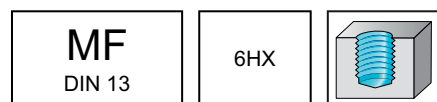
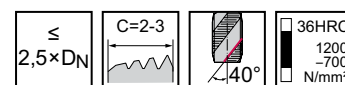
HSS-E machine taps

mm

Paradur® X-pert M

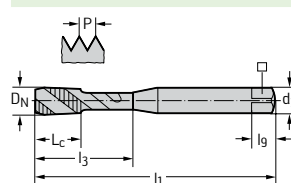


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●	●	●	●	●	●
VAP	●	●●	●	●	●	●	●

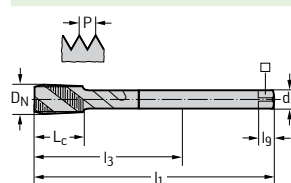
DIN 371



Parallel shank

Designation TIN	Designation VAP	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M2151305-M4X0.5	M21513-M4X0.5	MF 4x0.5	0,5	63	7	21	4,5	3,4	6	3
M2151305-M5X0.5	M21513-M5X0.5	MF 5x0.5	0,5	70	8	25	6	4,9	8	3
M2151305-M6X0.5	M21513-M6X0.5	MF 6x0.5	0,5	80	10	30	6	4,9	8	3
	M21513-M6X0.75	MF 6x0.75	0,75	80	10	30	6	4,9	8	3

DIN 374



Parallel shank

Designation TIN	Designation VAP	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M2156305-M8X0.5	M21563-M8X0.5	MF 8x0.5	0,5	80	10	57	6	4,9	8	3
M2156305-M8X0.75	M21563-M8X0.75	MF 8x0.75	0,75	80	10	57	6	4,9	8	3
M2156305-M8X1	M21563-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
M2156305-M10X0.75	M21563-M10X0.75	MF 10x0.75	0,75	90	12	67	7	5,5	8	3
M2156305-M10X1	M21563-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
M2156305-M10X1.25	M21563-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
M2156305-M12X1	M21563-M12X1	MF 12x1	1	100	13	73	9	7	10	4
M2156305-M12X1.25	M21563-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
M2156305-M12X1.5	M21563-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
	M21563-M14X1	MF 14x1	1	100	15	71	11	9	12	4
M2156305-M14X1.5	M21563-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
M2156305-M16X1.5	M21563-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	4
M2156305-M18X1.5	M21563-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
M2156305-M20X1.5	M21563-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4
	M21563-M20X2	MF 20x2	2	140	25	95	16	12	15	4
	M21563-M22X1.5	MF 22x1.5	1,5	125	18	78	18	14,5	17	5
	M21563-M24X1.5	MF 24x1.5	1,5	140	20	93	18	14,5	17	5
	M21563-M24X2	MF 24x2	2	140	20	93	18	14,5	17	5
	M21563-M27X1.5	MF 27x1.5	1,5	140	20	77	20	16	19	5
	M21563-M27X2	MF 27x2	2	140	20	77	20	16	19	5
	M21563-M30X2	MF 30x2	2	150	20	85	22	18	21	5

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

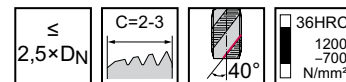
HSS-E machine taps

mm

Paradur® X-pert M

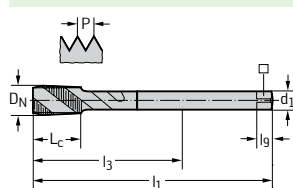


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●					

DIN 374



Parallel shank

Designation TIN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_9 mm	N
M2158305-M8X1	MF 8x1	1	90	12	67	6	4,9	8 3
M2158305-M10X1	MF 10x1	1	90	12	67	7	5,5	8 3
M2158305-M12X1	MF 12x1	1	100	13	73	9	7	10 4
M2158305-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10 4
M2158305-M14X1	MF 14x1	1	100	15	71	11	9	12 4
M2158305-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12 4
M2158305-M16X1	MF 16x1	1	100	15	58	12	9	12 4
M2158305-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12 4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

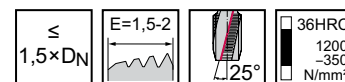
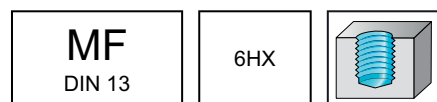
HSS-E machine taps

mm

Paradur Inox® 25

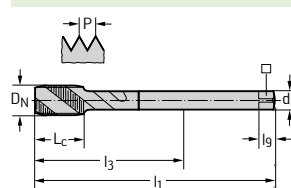


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●●	●●	●●

DIN 374



Parallel shank

Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
2156315-M10X1	MF 10x1	1	90	20	67	7	5,5	8	5
2156315-M12X1	MF 12x1	1	100	21	73	9	7	10	5
2156315-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	5
2156315-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	5
2156315-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	5
2156315-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	5
2156315-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	6
2156315-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	6
2156315-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	6

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

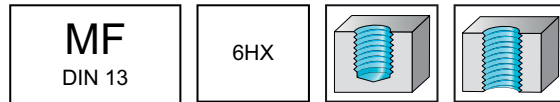
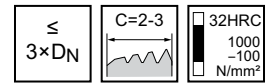
HSS-E PM machine taps

mm

Paradur® Eco CI

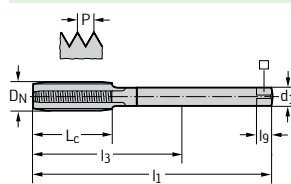


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
NID			●●	●●			●●
TICN			●●	●●			●●

DIN 374



Parallel shank

Designation NID	Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
E21364-M6X0.75	E2136406-M6X0.75	MF 6x0.75	0,75	80	15	59	4,5	3,4	6	4
E21364-M8X0.75	E2136406-M8X0.75	MF 8x0.75	0,75	80	15	57	6	4,9	8	4
E21364-M8X1	E2136406-M8X1	MF 8x1	1	90	18	67	6	4,9	8	4
E21364-M10X1	E2136406-M10X1	MF 10x1	1	90	20	67	7	5,5	8	4
E21364-M10X1.25	E2136406-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	4
E21364-M12X1	E2136406-M12X1	MF 12x1	1	100	21	73	9	7	10	4
E21364-M12X1.25	E2136406-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
E21364-M12X1.5	E2136406-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
E21364-M14X1.5	E2136406-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
E21364-M16X1.5	E2136406-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
E21364-M18X1.5	E2136406-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
E21364-M20X1.5	E2136406-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
E21364-M22X1.5	E2136406-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	5
E21364-M24X1.5	E2136406-M24X1.5	MF 24x1.5	1,5	140	26	93	18	14,5	17	5
E21364-M26X1.5	E2136406-M26X1.5	MF 26x1.5	1,5	140	26	93	18	14,5	17	5
E21364-M30X1.5	E2136406-M30X1.5	MF 30x1.5	1,5	150	26	85	22	18	21	5

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

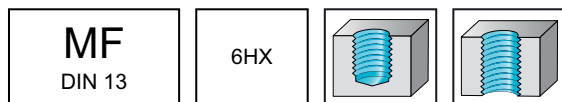
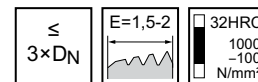
HSS-E PM machine taps

mm

Paradur® Eco CI

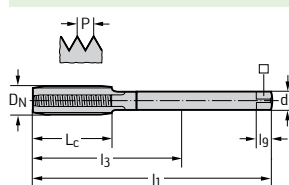


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●

DIN 374



Parallel shank

Designation TICN	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_9 mm	N
E2136466-M8X1	MF 8x1	1	90	18	67	6	4,9	4
E2136466-M10X1	MF 10x1	1	90	20	67	7	5,5	4
E2136466-M12X1	MF 12x1	1	100	21	73	9	7	4
E2136466-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	4
E2136466-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	4
E2136466-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	4
E2136466-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	4
E2136466-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	4
E2136466-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	5

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

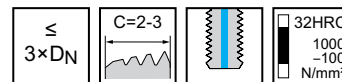
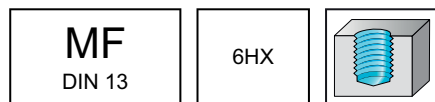
HSS-E PM machine taps

mm

Paradur® Eco CI

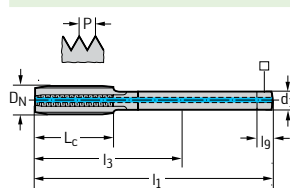


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
TICN			●●	●●			●●

DIN 374



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E2136416-M8X1	MF 8x1	1	90	18	67	6	4,9	8	4
E2136416-M10X1	MF 10x1	1	90	20	67	7	5,5	8	4
E2136416-M12X1	MF 12x1	1	100	21	73	9	7	10	4
E2136416-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
E2136416-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
E2136416-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4
E2136416-M18X1.5	MF 18x1.5	1,5	110	24	66	14	11	14	4
E2136416-M20X1.5	MF 20x1.5	1,5	125	24	80	16	12	15	4
E2136416-M22X1.5	MF 22x1.5	1,5	125	24	78	18	14,5	17	5

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

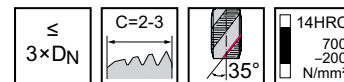
HSS-E machine taps

mm

Paradur® X-pert N

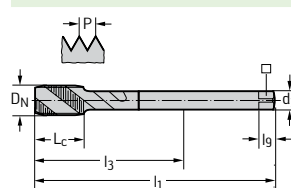


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 374



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
N21566-M8X1	MF 8x1	1	90	12	67	6	4,9	8	2
N21566-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
N21566-M12X1	MF 12x1	1	100	13	73	9	7	10	3
N21566-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	3
N21566-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	3
N21566-M16X1	MF 16x1	1	100	15	58	12	9	12	4
N21566-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	3
N21566-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	4
N21566-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

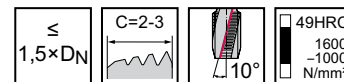
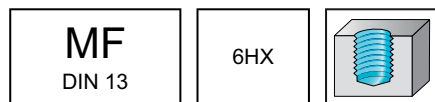
HSS-E PM machine taps

mm

Paradur® Ni 10



– For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
Parallel shank	214101-M8X1	MF 8x1	1	90	20	66	8	6,2	9	3
	214101-M10X1	MF 10x1	1	90	24	62	10	8	11	3
	214101-M10X1.25	MF 10x1.25	1,25	100	24,5	72	10	8	11	3
	214101-M12X1.25	MF 12x1.25	1,25	100	28,5	58	12	9	12	4
	214101-M12X1.5	MF 12x1.5	1,5	100	29,5	58	12	9	12	4

C1

WALTER
SELECT

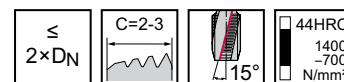
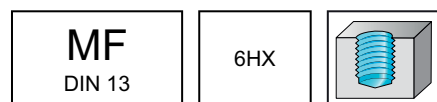
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

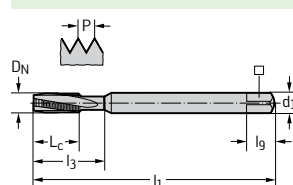
Paradur® Ti

- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

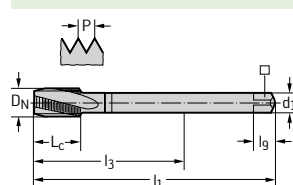
~DIN 371



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
21416-M8X0.75	MF 8x0.75	0,75	80	10	29	8	6,2	9	3
21416-M8X1	MF 8x1	1	90	12	29	8	6,2	9	3
21416-M10X1	MF 10x1	1	90	14	33	10	8	11	3

DIN 374



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
21466-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
21466-M10X1	MF 10x1	1	90	14	67	7	5,5	8	3
21466-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	3
21466-M12X1	MF 12x1	1	100	16	73	9	7	10	4
21466-M12X1.25	MF 12x1.25	1,25	100	21	73	9	7	10	4
21466-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
21466-M14X1	MF 14x1	1	100	16	71	11	9	12	4
21466-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
21466-M16X1	MF 16x1	1	100	18	58	12	9	12	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

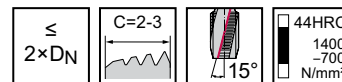
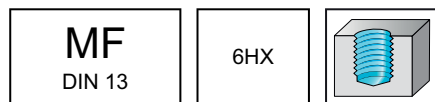
HSS-E PM machine taps

mm

Paradur® Ti Plus



- Recommended with emulsion
- For long-chipping materials



	P	M	K	N	S	H	O
ACN					●●		

~DIN 371		Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		2141663-M6X0.75	MF 6x0.75	0,75	80	15	23	6	4,9	8	3
		2141663-M8X0.75	MF 8x0.75	0,75	90	18	29,5	8	6,2	9	3
		2141663-M8X1	MF 8x1	1	90	18	29,5	8	6,2	9	3
		2141663-M10X1	MF 10x1	1	100	20	33,5	10	8	11	3
Parallel shank											
DIN 374		Designation ACN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		2146663-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	4
		2146663-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
Parallel shank											

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

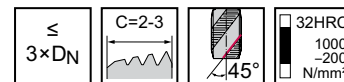
HSS-E machine taps

mm

Paradur® Uni

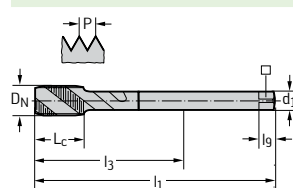


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●	●			

DIN 374



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
7156770-M4X0.5	MF 4x0.5	0,5	63	7	43	2,8	2,1	5	3
7156770-M5X0.5	MF 5x0.5	0,5	70	8	49	3,5	2,7	6	3
7156770-M6X0.5	MF 6x0.5	0,5	80	10	59	4,5	3,4	6	3
7156770-M6X0.75	MF 6x0.75	0,75	80	10	59	4,5	3,4	6	3
7156770-M8X0.75	MF 8x0.75	0,75	80	10	57	6	4,9	8	3
7156770-M8X1	MF 8x1	1	90	12	67	6	4,9	8	3
7156770-M10X1	MF 10x1	1	90	12	67	7	5,5	8	3
7156770-M10X1.25	MF 10x1.25	1,25	100	15	77	7	5,5	8	3
7156770-M12X1	MF 12x1	1	100	13	73	9	7	10	4
7156770-M12X1.25	MF 12x1.25	1,25	100	13	73	9	7	10	4
7156770-M12X1.5	MF 12x1.5	1,5	100	13	73	9	7	10	4
7156770-M14X1.5	MF 14x1.5	1,5	100	15	71	11	9	12	4
7156770-M16X1.5	MF 16x1.5	1,5	100	15	58	12	9	12	5
7156770-M18X1.5	MF 18x1.5	1,5	110	17	66	14	11	14	5
7156770-M20X1.5	MF 20x1.5	1,5	125	17	80	16	12	15	5
7156770-M22X1.5	MF 22x1.5	1,5	125	18	78	18	14,5	17	5
7156770-M24X1.5	MF 24x1.5	1,5	140	20	93	18	14,5	17	5
7156770-M26X1.5	MF 26x1.5	1,5	140	20	93	18	14,5	17	5
7156770-M27X1.5	MF 27x1.5	1,5	140	20	77	20	16	19	5
7156770-M28X1.5	MF 28x1.5	1,5	140	20	77	20	16	19	5
7156770-M27X2	MF 27x2	2	140	20	77	20	16	19	5
7156770-M30X1.5	MF 30x1.5	1,5	150	20	85	22	18	21	5
7156770-M30X2	MF 30x2	2	150	20	85	22	18	21	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

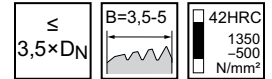
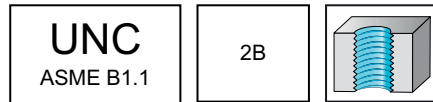
HSS-E PM machine taps

mm

Prototex® Eco Plus

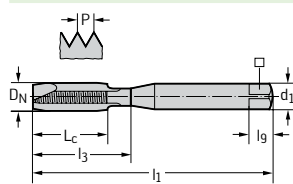


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

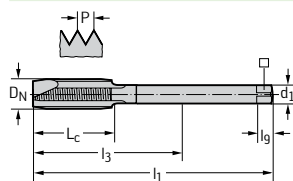
DIN 2184-1



Parallel shank

Designation THL	D _N -P	D _N mm	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
EP2221302-UNC2	UNC #2-56	2,184		45	7	12	2,8	2,1	5	3
EP2221302-UNC4	UNC #4-40	2,845		56	9	18	3,5	2,7	6	3
EP2221302-UNC6	UNC #6-32	3,505		56	11	20	4	3	6	3
EP2221302-UNC8	UNC #8-32	4,166		63	12	21	4,5	3,4	6	3
EP2221302-UNC10	UNC #10-24	4,826		70	13	25	6	4,9	8	3
EP2221302-UNC1/4	UNC 1/4-20	6,35		80	15	30	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation THL	D _N -P	D _N mm	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
EP2226302-UNC5/16	UNC 5/16-18	7,938		90	18	67	6	4,9	8	3
EP2226302-UNC3/8	UNC 3/8-16	9,525		100	20	77	7	5,5	8	3
EP2226302-UNC1/2	UNC 1/2-13	12,7		110	23	83	9	7	10	4
EP2226302-UNC5/8	UNC 5/8-11	15,875		110	25	68	12	9	12	4

C1

WALTER
SELECT

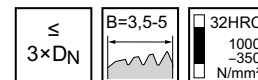
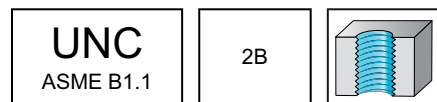
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

TC216 Perform mm

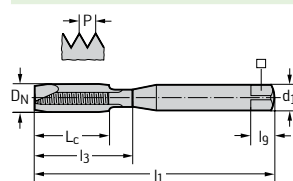


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●			

DIN 371

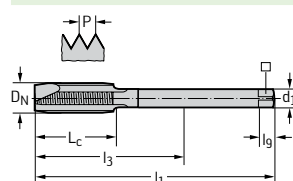


Parallel shank

Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC216-UNC6-C0-	UNC #6-32	3,505	56	11	20	4	3	6	3	✖
TC216-UNC8-C0-	UNC #8-32	4,166	63	12	21	4,5	3,4	6	3	✖
TC216-UNC10-C0-	UNC #10-24	4,826	70	13	25	6	4,9	8	3	✖
TC216-UNC1/4-C0-	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3	✖
TC216-UNC5/16-C0-	UNC 5/16-18	7,938	90	18	35	8	6,2	9	3	✖
TC216-UNC3/8-C0-	UNC 3/8-16	9,525	100	20	39	10	8	11	3	✖

Ordering example for the grade WY80AA: TC216-UNC1/4-C0-WY80AA

DIN 376



Parallel shank

Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC216-UNC1/2-L0-	UNC 1/2-13	12,7	110	23	83	9	7	10	4	✖
TC216-UNC5/8-L0-	UNC 5/8-11	15,875	110	25	68	12	9	12	4	✖
TC216-UNC3/4-L0-	UNC 3/4-10	19,05	125	30	81	14	11	14	4	✖

Ordering example for the grade WY80AA: TC216-UNC1/2-L0-WY80AA

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

mm

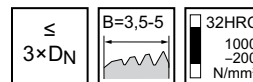
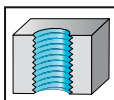
Prototex® X-pert P



– For long-chipping materials

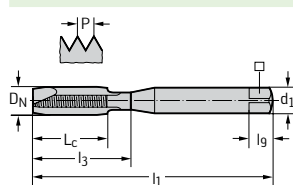
UNC
ASME B1.1

3B



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1-B



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P22200-UNC2	UNC #2-56	2,184	45	7	12	2,8	2,1	5	2
P22200-UNC4	UNC #4-40	2,845	56	9	18	3,5	2,7	6	2
P22200-UNC6	UNC #6-32	3,505	56	11	20	4	3	6	2
P22200-UNC8	UNC #8-32	4,166	63	12	21	4,5	3,4	6	2

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

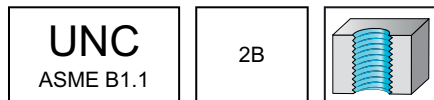
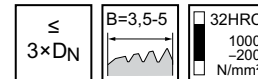
HSS-E machine taps

mm

Prototex® X-pert P

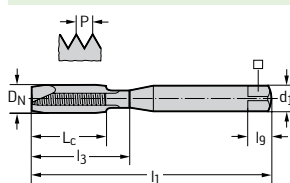


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P22210-UNC2	UNC #2-56	2,184	45	7	12	2,8	2,1	5	2
P22210-UNC4	UNC #4-40	2,845	56	9	18	3,5	2,7	6	2
P22210-UNC6	UNC #6-32	3,505	56	11	20	4	3	6	2
P22210-UNC8	UNC #8-32	4,166	63	12	21	4,5	3,4	6	2

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

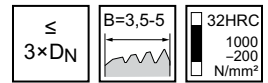
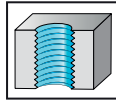
Prototex® X-pert P



– For long-chipping materials

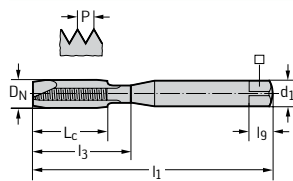
UNC
ASME B1.1

2B



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

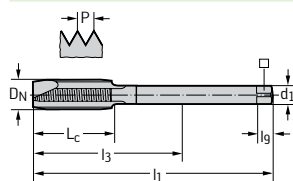
DIN 2184-1



Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	l _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P22310-UNC2	UNC #2-56	2,184	45	7	12	2,8	2,1	5	3
	P22310-UNC4	UNC #4-40	2,845	56	9	18	3,5	2,7	6	3
	P22310-UNC5	UNC #5-40	3,175	56	10	18	3,5	2,7	6	3
P2231005-UNC6	P22310-UNC6	UNC #6-32	3,505	56	11	20	4	3	6	3
	P22310-UNC8	UNC #8-32	4,166	63	12	21	4,5	3,4	6	3
	P22310-UNC10	UNC #10-24	4,826	70	13	25	6	4,9	8	3
	P22310-UNC12	UNC #12-24	5,486	80	15	30	6	4,9	8	3
	P22310-UNC1/4	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3
	P22310-UNC5/16	UNC 5/16-18	7,938	90	18	35	8	6,2	9	3
	P22310-UNC3/8	UNC 3/8-16	9,525	100	20	39	10	8	11	3

DIN 2184-1



Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	l _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	P22360-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	3
P2236005-UNC1/2	P22360-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	3
	P22360-UNC9/16	UNC 9/16-12	14,288	110	25	81	11	9	12	3
P2236005-UNC5/8	P22360-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	3
P2236005-UNC3/4	P22360-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	3
	P22360-UNC7/8	UNC 7/8-9	22,225	140	30	93	18	14,5	17	3
	P22360-UNC1	UNC 1"-8	25,4	160	36	113	18	14,5	17	3
	P22360-UNC1.1/4	UNC 1.1/4-7	31,75	180	42	115	22	18	21	4
	P22360-UNC1.1/8	UNC 1.1/8-7	28,575	180	42	115	22	18	21	4
	P22360-UNC1.1/2	UNC 1.1/2-6	38,1	200	48	131	28	22	25	4

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

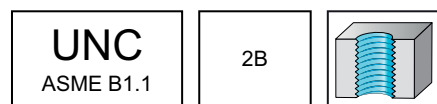
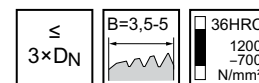
HSS-E machine taps

mm

Prototex® X-pert M

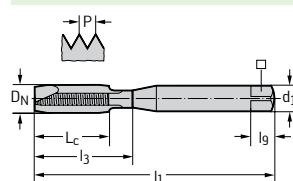


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●	●	●	●	●	●
VAP	●	●●	●	●	●	●	●

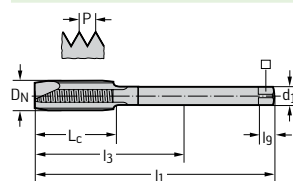
DIN 2184-1



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
M2221305-UNC2	M22213-UNC2	UNC #2-56	2,184	45	7	12	2,8	2,1	5	2
M2221305-UNC3	M22213-UNC3	UNC #3-48	2,515	50	8	12,5	2,8	2,1	5	2
M2221305-UNC4	M22213-UNC4	UNC #4-40	2,845	56	9	18	3,5	2,7	6	2
M2221305-UNC5	M22213-UNC5	UNC #5-40	3,175	56	10	18	3,5	2,7	6	2
M2221305-UNC6	M22213-UNC6	UNC #6-32	3,505	56	11	20	4	3	6	2
M2221305-UNC8	M22213-UNC8	UNC #8-32	4,166	63	12	21	4,5	3,4	6	3
M2221305-UNC10	M22213-UNC10	UNC #10-24	4,826	70	13	25	6	4,9	8	3
	M22213-UNC12	UNC #12-24	5,486	80	15	30	6	4,9	8	3
M2221305-UNC1/4	M22213-UNC1/4	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	M22263-UNC5/16	UNC 5/16-18	7,938	90	18	67	6	4,9	8	3
M2226305-UNC3/8	M22263-UNC3/8	UNC 3/8-16	9,525	100	20	77	7	5,5	8	3
	M22263-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	3
M2226305-UNC1/2	M22263-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
	M22263-UNC9/16	UNC 9/16-12	14,288	110	25	81	11	9	12	4
	M22263-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4
	M22263-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	4
	M22263-UNC7/8	UNC 7/8-9	22,225	140	30	93	18	14,5	17	4
	M22263-UNC1	UNC 1"-8	25,4	160	36	113	18	14,5	17	4

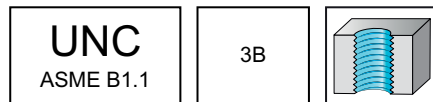
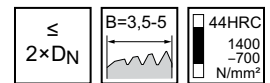
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

Prototex® TiNi



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 2184-1		Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
 Parallel shank		2220706-UNC2	22207-UNC2	UNC #2-56	2,184	45	9	9	2,8	2,1	5	2
			22207-UNC4	UNC #4-40	2,845	56	10	10	3,5	2,7	6	2
			22207-UNC5	UNC #5-40	3,175	56	10	10	3,5	2,7	6	2
		2220706-UNC6	22207-UNC6	UNC #6-32	3,505	56	12	12	4	3	6	3
		2220706-UNC8	22207-UNC8	UNC #8-32	4,166	63	13	13	4,5	3,4	6	3
		2220706-UNC10	22207-UNC10	UNC #10-24	4,826	70	16	16	6	4,9	8	3
		2220706-UNC1/4	22207-UNC1/4	UNC 1/4-20	6,35	80	15	25	7	5,5	8	3
		2220706-UNC5/16	22207-UNC5/16	UNC 5/16-18	7,938	90	18	29,5	8	6,2	9	3
		2220706-UNC3/8	22207-UNC3/8	UNC 3/8-16	9,525	100	20	33,5	10	8	11	3

≤ UNC 10: Without reduced neck after the thread

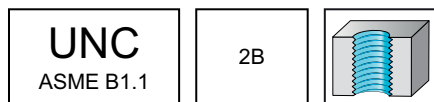
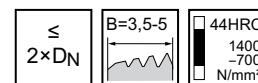
DIN 2184-1		Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
 Parallel shank		22257-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	4
		22257-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
		22257-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4
		22257-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	4

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

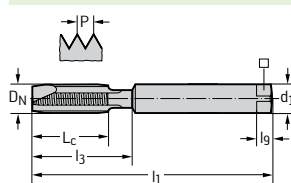
HSS-E PM machine taps

mm

Prototex® TiNi


	P	M	K	N	S	H	O
TiCN	●●	●●	●●	●●	●●	●●	●●
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 2184-1

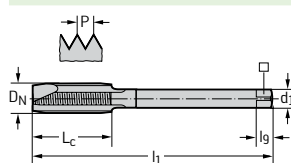


Parallel shank

Designation TiCN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2221706-UNC2	22217-UNC2	UNC #2-56	2,184	45	9	9	2,8	2,1	5	2
2221706-UNC4	22217-UNC4	UNC #4-40	2,845	56	10	10	3,5	2,7	6	2
2221706-UNC5	22217-UNC5	UNC #5-40	3,175	56	10	10	3,5	2,7	6	2
2221706-UNC6	22217-UNC6	UNC #6-32	3,505	56	12	12	4	3	6	3
2221706-UNC8	22217-UNC8	UNC #8-32	4,166	63	13	13	4,5	3,4	6	3
2221706-UNC10	22217-UNC10	UNC #10-24	4,826	70	16	16	6	4,9	8	3
2221706-UNC1/4	22217-UNC1/4	UNC 1/4-20	6,35	80	15	25	7	5,5	8	3
2221706-UNC5/16	22217-UNC5/16	UNC 5/16-18	7,938	90	18	29,5	8	6,2	9	3
2221706-UNC3/8	22217-UNC3/8	UNC 3/8-16	9,525	100	20	33,5	10	8	11	3

≤ UNC 10: Without reduced neck after the thread

DIN 2184-1



Parallel shank

Designation TiCN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2226706-UNC7/16	22267-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	4
2226706-UNC1/2	22267-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
2226706-UNC9/16	22267-UNC9/16	UNC 9/16-12	14,288	110	25	81	11	9	12	4
2226706-UNC5/8	22267-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4
2226706-UNC3/4	22267-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	4

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

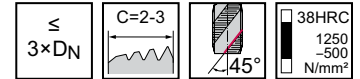
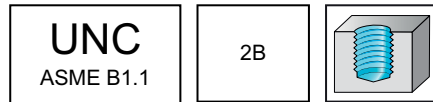
HSS-E PM machine taps

mm

Paradur® Eco Plus

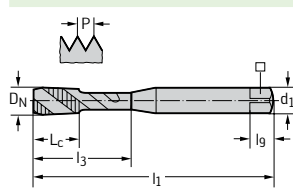


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1

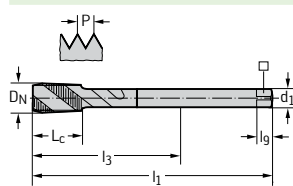


Parallel shank

UNC 2: Without thread taper

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2251302-UNC2	UNC #2-56	2,184	45	4	8,4	2,8	2,1	5	3
EP2251302-UNC4	UNC #4-40	2,845	56	6	11	3,5	2,7	6	3
EP2251302-UNC6	UNC #6-32	3,505	56	6,5	13,7	4	3	6	3
EP2251302-UNC8	UNC #8-32	4,166	63	7	17,8	4,5	3,4	6	3
EP2251302-UNC10	UNC #10-24	4,826	70	8	20,7	6	4,9	8	3
EP2251302-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2256302-UNC5/16	UNC 5/16-18	7,938	90	12	67	6	4,9	8	3
EP2256302-UNC3/8	UNC 3/8-16	9,525	100	15	77	7	5,5	8	3
EP2256302-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
EP2256302-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

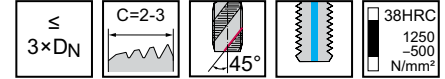
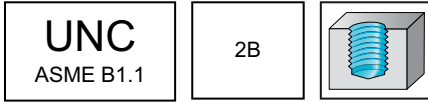
HSS-E PM machine taps

mm

Paradur® Eco Plus

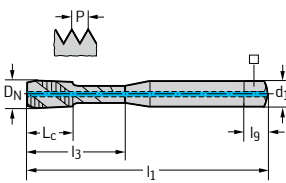


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

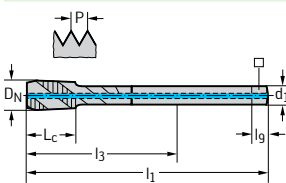
~DIN 2184-1



Parallel shank

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2251312-UNC1/4	UNC 1/4-20	6,35	80	10	27,3	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2256312-UNC5/16	UNC 5/16-18	7,938	90	12	67	6	4,9	8	3
EP2256312-UNC3/8	UNC 3/8-16	9,525	100	15	77	7	5,5	8	3
EP2256312-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
EP2256312-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4
EP2256312-UNC3/4	UNC 3/4-10	19,05	125	25	81	14	11	14	4

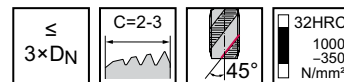
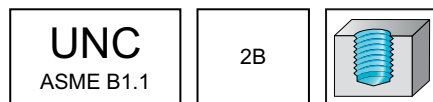
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

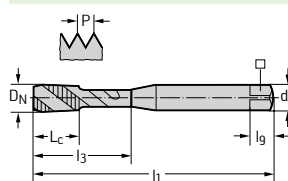
TC115 Perform 

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●			

DIN 371

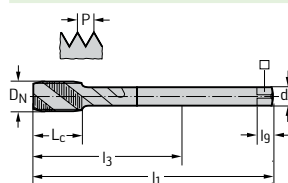


Parallel shank

Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA
TC115-UNC6-C0-	UNC #6-32	3,505	56	6,5	20	4	3	6	3	☠
TC115-UNC8-C0-	UNC #8-32	4,166	63	7	21	4,5	3,4	6	3	☠
TC115-UNC10-C0-	UNC #10-24	4,826	70	8	25	6	4,9	8	3	☠
TC115-UNC1/4-C0-	UNC 1/4-20	6,35	80	10	30	7	5,5	8	3	☠
TC115-UNC5/16-C0-	UNC 5/16-18	7,938	90	12	35	8	6,2	9	3	☠
TC115-UNC3/8-C0-	UNC 3/8-16	9,525	100	15	39	10	8	11	3	☠

Ordering example for the grade WY80AA: TC115-UNC1/4-C0-WY80AA

DIN 376



Parallel shank

Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AA
TC115-UNC1/2-L0-	UNC 1/2-13	12,7	110	18	83	9	7	10	3	☠
TC115-UNC5/8-L0-	UNC 5/8-11	15,875	110	20	68	12	9	12	3	☠
TC115-UNC3/4-L0-	UNC 3/4-10	19,05	125	25	81	14	11	14	4	☠

Ordering example for the grade WY80AA: TC115-UNC1/2-L0-WY80AA

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☠ machining conditions

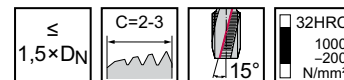
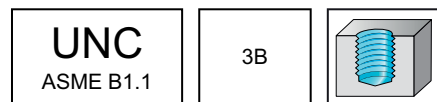
HSS-E machine taps

mm

Paradur® N

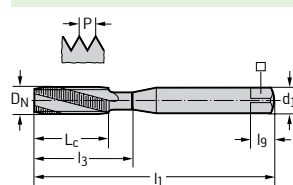


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●	●●	●●	●	●	●

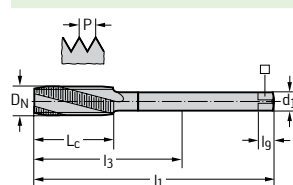
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
22400-UNC2	UNC #2-56	2,184	45	4	12	2,8	2,1	5	3
22400-UNC4	UNC #4-40	2,845	56	6	18	3,5	2,7	6	3
22400-UNC6	UNC #6-32	3,505	56	6,5	20	4	3	6	3
22400-UNC8	UNC #8-32	4,166	63	7	21	4,5	3,4	6	3
22400-UNC1/4	UNC 1/4-20	6,35	80	10	30	7	5,5	8	3
22400-UNC5/16	UNC 5/16-18	7,938	90	12	35	8	6,2	9	3
22400-UNC3/8	UNC 3/8-16	9,525	100	15	39	10	8	11	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
22450-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	3
22450-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	3
22450-UNC3/4	UNC 3/4-10	19,05	125	25	81	14	11	14	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

mm

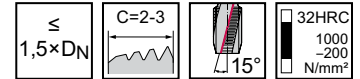
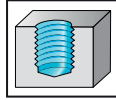
Paradur® N



– For long-chipping materials

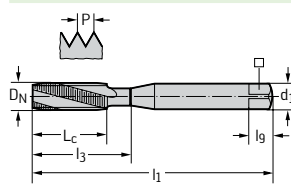
UNC
ASME B1.1

2B



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			

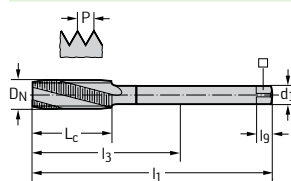
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
22410-UNC1	UNC #1-64	1,854	45	4	9	2,8	2,1	5	3
22410-UNC2	UNC #2-56	2,184	45	4	12	2,8	2,1	5	3
22410-UNC4	UNC #4-40	2,845	56	6	18	3,5	2,7	6	3
22410-UNC6	UNC #6-32	3,505	56	6,5	20	4	3	6	3
22410-UNC8	UNC #8-32	4,166	63	7	21	4,5	3,4	6	3
22410-UNC10	UNC #10-24	4,826	70	8	25	6	4,9	8	3
22410-UNC12	UNC #12-24	5,486	80	10	30	6	4,9	8	3
22410-UNC1/4	UNC 1/4-20	6,35	80	10	30	7	5,5	8	3
22410-UNC5/16	UNC 5/16-18	7,938	90	12	35	8	6,2	9	3
22410-UNC3/8	UNC 3/8-16	9,525	100	15	39	10	8	11	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
22460-UNC7/16	UNC 7/16-14	11,113	100	15	76	8	6,2	9	3
22460-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	3
22460-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	3
22460-UNC3/4	UNC 3/4-10	19,05	125	25	81	14	11	14	4
22460-UNC7/8	UNC 7/8-9	22,225	140	25	93	18	14,5	17	4
22460-UNC1	UNC 1"-8	25,4	160	30	113	18	14,5	17	4

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

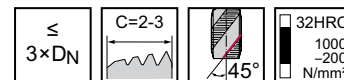
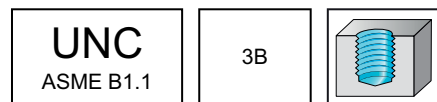
HSS-E machine taps

mm

Paradur® X-pert P

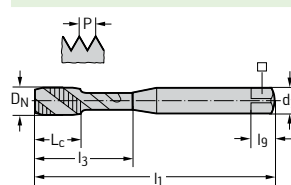


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

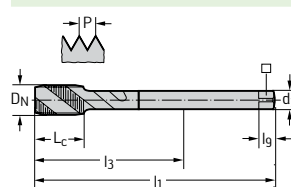
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P22509-UNC2	UNC #2-56	2,184	45	4	12	2,8	2,1	5	3
P22509-UNC3	UNC #3-48	2,515	50	4	12,5	2,8	2,1	5	3
P22509-UNC4	UNC #4-40	2,845	56	6	18	3,5	2,7	6	3
P22509-UNC6	UNC #6-32	3,505	56	6,5	20	4	3	6	3
P22509-UNC8	UNC #8-32	4,166	63	7	21	4,5	3,4	6	3
P22509-UNC10	UNC #10-24	4,826	70	8	25	6	4,9	8	3
P22509-UNC1/4	UNC 1/4-20	6,35	80	10	30	7	5,5	8	3
P22509-UNC5/16	UNC 5/16-18	7,938	90	12	35	8	6,2	9	3
P22509-UNC3/8	UNC 3/8-16	9,525	100	15	39	10	8	11	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	mm	l ₉ mm	N
P22559-UNC5/16	UNC 5/16-18	7,938	90	12	6	4,9	8	3
P22559-UNC3/8	UNC 3/8-16	9,525	100	15	7	5,5	8	3
P22559-UNC7/16	UNC 7/16-14	11,113	100	15	8	6,2	9	3
P22559-UNC1/2	UNC 1/2-13	12,7	110	18	9	7	10	4
P22559-UNC9/16	UNC 9/16-12	14,288	110	20	11	9	12	4
P22559-UNC5/8	UNC 5/8-11	15,875	110	20	12	9	12	4
P22559-UNC3/4	UNC 3/4-10	19,05	125	25	14	11	14	4
P22559-UNC7/8	UNC 7/8-9	22,225	140	25	18	14,5	17	4
P22559-UNC1	UNC 1"-8	25,4	160	30	18	14,5	17	4
P22559-UNC1.1/4	UNC 1.1/4-7	31,75	180	35	22	18	21	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

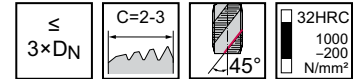
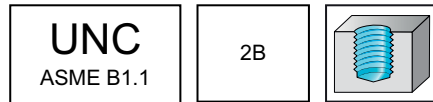
HSS-E machine taps

mm

Paradur® X-pert P

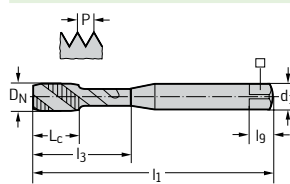


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

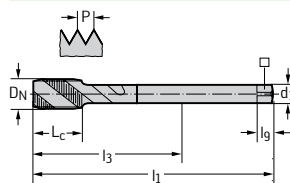
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P22519-UNC2	UNC #2-56	2,184	45	4	12	2,8	2,1	5	3
P22519-UNC3	UNC #3-48	2,515	50	4	12,5	2,8	2,1	5	3
P22519-UNC4	UNC #4-40	2,845	56	6	18	3,5	2,7	6	3
P22519-UNC5	UNC #5-40	3,175	56	6	18	3,5	2,7	6	3
P22519-UNC6	UNC #6-32	3,505	56	6,5	20	4	3	6	3
P22519-UNC8	UNC #8-32	4,166	63	7	21	4,5	3,4	6	3
P22519-UNC10	UNC #10-24	4,826	70	8	25	6	4,9	8	3
P22519-UNC12	UNC #12-24	5,486	80	10	30	6	4,9	8	3
P22519-UNC1/4	UNC 1/4-20	6,35	80	10	30	7	5,5	8	3
P22519-UNC5/16	UNC 5/16-18	7,938	90	12	35	8	6,2	9	3
P22519-UNC3/8	UNC 3/8-16	9,525	100	15	39	10	8	11	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P22569-UNC7/16	UNC 7/16-14	11,113	100	15	76	8	6,2	9	3
P22569-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
P22569-UNC9/16	UNC 9/16-12	14,288	110	20	81	11	9	12	4
P22569-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4
P22569-UNC3/4	UNC 3/4-10	19,05	125	25	81	14	11	14	4
P22569-UNC7/8	UNC 7/8-9	22,225	140	25	93	18	14,5	17	4
P22569-UNC1	UNC 1"-8	25,4	160	30	113	18	14,5	17	4
P22569-UNC1.1/8	UNC 1.1/8-7	28,575	180	35	115	22	18	21	4
P22569-UNC1.1/4	UNC 1.1/4-7	31,75	180	35	115	22	18	21	4
P22569-UNC1.1/2	UNC 1.1/2-6	38,1	200	40	131	28	22	25	4

WALTER
SELECT

●● Primary application ● Other application

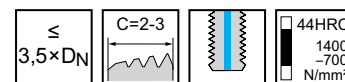
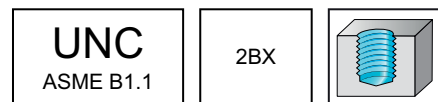
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

TC130 Supreme mm

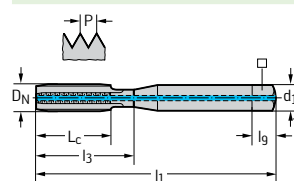


– WY80AA: Good Performance



	P	M	K	N	S	H	O
WY80AA	●●		●●	●●			●

DIN 2184-1

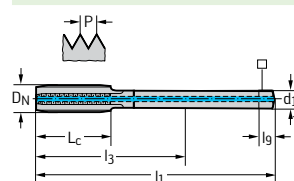


Parallel shank

Designation	DN-P	DN mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AA
TC130-UNC1/4-C1-	UNC 1/4-20	6,35	80	15	30	7	5,5	8	3	☹
TC130-UNC5/16-C1-	UNC 5/16-18	7,938	90	18	35	8	6,2	9	3	☹
TC130-UNC3/8-C1-	UNC 3/8-16	9,525	100	20	39	10	8	11	3	☹

Ordering example for the grade WY80AA: TC130-UNC1/4-C1-WY80AA

DIN 2184-1



Parallel shank

Designation	DN-P	DN mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AA
TC130-UNC1/2-L1-	UNC 1/2-13	12,7	110	23	83	9	7	10	3	☹
TC130-UNC5/8-L1-	UNC 5/8-11	15,875	110	25	68	12	9	12	3	☹
TC130-UNC3/4-L1-	UNC 3/4-10	19,05	125	30	81	14	11	14	3	☹
TC130-UNC1-L1-	UNC 1"-8	25,4	160	36	113	18	14,5	17	4	☹

Ordering example for the grade WY80AA: TC130-UNC1-L1-WY80AA

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E machine taps

mm

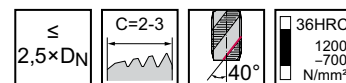
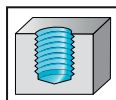
Paradur® X-pert M



– For long-chipping materials

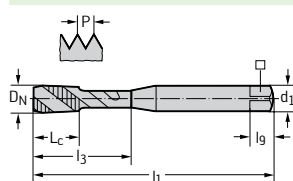
UNC
ASME B1.1

2B



	P	M	K	N	S	H	O
TIN	●	●●	●	●	●	●	●
VAP	●	●●	●	●	●	●	●

DIN 2184-1

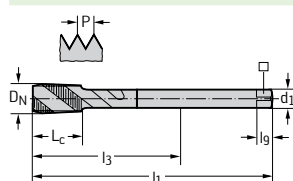


Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M2251305-UNC2	M22513-UNC2	UNC #2-56	2,184	45	4	12	2,8	2,1	5	3
M2251305-UNC3	M22513-UNC3	UNC #3-48	2,515	50	4	12,5	2,8	2,1	5	3
M2251305-UNC4	M22513-UNC4	UNC #4-40	2,845	56	6	18	3,5	2,7	6	3
M2251305-UNC5	M22513-UNC5	UNC #5-40	3,175	56	6	18	3,5	2,7	6	3
M2251305-UNC6	M22513-UNC6	UNC #6-32	3,505	56	6,5	20	4	3	6	3
M2251305-UNC8	M22513-UNC8	UNC #8-32	4,166	63	7	21	4,5	3,4	6	3
M2251305-UNC10	M22513-UNC10	UNC #10-24	4,826	70	8	25	6	4,9	8	3
M2251305-UNC12	M22513-UNC12	UNC #12-24	5,486	80	10	30	6	4,9	8	3
M2251305-UNC1/4	M22513-UNC1/4	UNC 1/4-20	6,35	80	10	30	7	5,5	8	3

UNC 2: Without thread taper

DIN 2184-1



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M2256305-UNC5/16	M22563-UNC5/16	UNC 5/16-18	7,938	90	12	67	6	4,9	8	3
M2256305-UNC3/8	M22563-UNC3/8	UNC 3/8-16	9,525	100	15	77	7	5,5	8	3
M2256305-UNC7/16	M22563-UNC7/16	UNC 7/16-14	11,113	100	15	76	8	6,2	9	3
M2256305-UNC1/2	M22563-UNC1/2	UNC 1/2-13	12,7	110	18	83	9	7	10	4
M2256305-UNC9/16	M22563-UNC9/16	UNC 9/16-12	14,288	110	20	81	11	9	12	4
M2256305-UNC5/8	M22563-UNC5/8	UNC 5/8-11	15,875	110	20	68	12	9	12	4
M2256305-UNC3/4	M22563-UNC3/4	UNC 3/4-10	19,05	125	25	81	14	11	14	4
M2256305-UNC7/8	M22563-UNC7/8	UNC 7/8-9	22,225	140	25	93	18	14,5	17	4
M2256305-UNC1	M22563-UNC1	UNC 1"-8	25,4	160	30	113	18	14,5	17	4
	M22563-UNC1.1/8	UNC 1.1/8-7	28,575	180	35	115	22	18	21	5
	M22563-UNC1.1/4	UNC 1.1/4-7	31,75	180	35	115	22	18	21	5
	M22563-UNC1.1/2	UNC 1.1/2-6	38,1	200	40	131	28	22	25	5

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

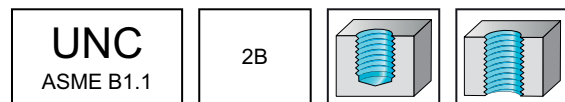
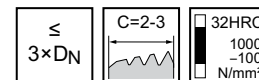
HSS-E PM machine taps

mm

Paradur® Eco CI

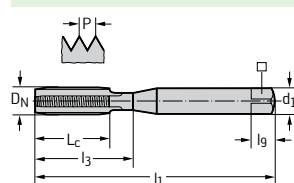


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
NID			●●	●●			●●

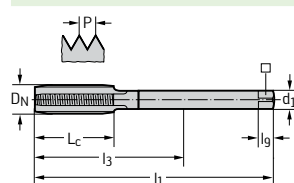
DIN 2184-1



Parallel shank

Designation NID	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E22314-UNC6	UNC #6-32	3,505	56	11	20	4	3	6	3
E22314-UNC8	UNC #8-32	4,166	63	12	21	4,5	3,4	6	3
E22314-UNC10	UNC #10-24	4,826	70	13	25	6	4,9	8	4
E22314-UNC1/4	UNC 1/4-20	6,35	80	15	30	7	5,5	8	4

DIN 2184-1



Parallel shank

Designation NID	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E22364-UNC5/16	UNC 5/16-18	7,938	90	18	67	6	4,9	8	4
E22364-UNC3/8	UNC 3/8-16	9,525	100	20	77	7	5,5	8	4
E22364-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	4
E22364-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
E22364-UNC9/16	UNC 9/16-12	14,288	110	25	81	11	9	12	4
E22364-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4
E22364-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	4
E22364-UNC7/8	UNC 7/8-9	22,225	140	30	93	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

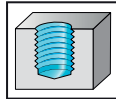
Paradur® X-pert N



– For long-chipping materials

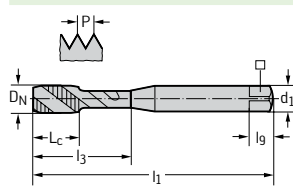
UNC
ASME B1.1

2B



	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
N22516-UNC2	UNC #2-56	2,184	45	4	12	2,8	2,1	5	2
N22516-UNC4	UNC #4-40	2,845	56	6	18	3,5	2,7	6	2
N22516-UNC6	UNC #6-32	3,505	56	6,5	20	4	3	6	2
N22516-UNC8	UNC #8-32	4,166	63	7	21	4,5	3,4	6	2
N22516-UNC10	UNC #10-24	4,826	70	8	25	6	4,9	8	2
N22516-UNC1/4	UNC 1/4-20	6,35	80	10	30	7	5,5	8	2
N22516-UNC5/16	UNC 5/16-18	7,938	90	12	35	8	6,2	9	2
N22516-UNC3/8	UNC 3/8-16	9,525	100	15	39	10	8	11	2

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

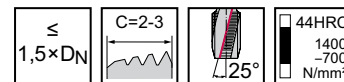
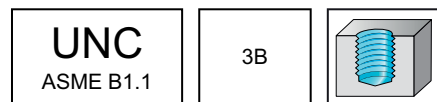
HSS-E PM machine taps

mm

Paradur® Ni

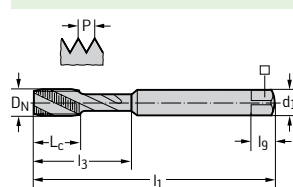


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●				●●		

~DIN 2184-1



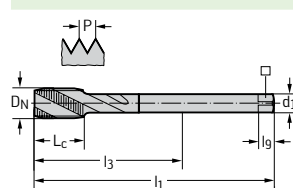
Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
224104-UNC2	UNC #2-56	2,184	45	9	9	2,8	2,1	5	3
224104-UNC4	UNC #4-40	2,845	56	10	10	3,5	2,7	6	3
224104-UNC6	UNC #6-32	3,505	56	12	12	4	3	6	3
224104-UNC8	UNC #8-32	4,166	63	13	13	4,5	3,4	6	3
224104-UNC1/4	UNC 1/4-20	6,35	80	15	25	7	5,5	8	3
224104-UNC5/16	UNC 5/16-18	7,938	90	18	29,5	8	6,2	9	3
224104-UNC3/8	UNC 3/8-16	9,525	100	20	33,5	10	8	11	4

≤ UNC 8: Without reduced neck after the thread

C1

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
224604-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	4
224604-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
224604-UNC9/16	UNC 9/16-12	14,288	110	25	81	11	9	12	4
224604-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	5

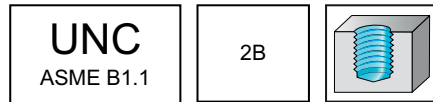
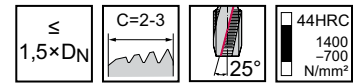
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

Paradur® Ni



	P	M	K	N	S	H	O
TICN	●				●●		
uncoated	●				●●		

~DIN 2184-1		Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
 Parallel shank			224102-UNC2	UNC #2-56	2,184	45	9	9	2,8	2,1	5	3
			224102-UNC3	UNC #3-48	2,515	50	9	9	2,8	2,1	5	3
		22410206-UNC4	224102-UNC4	UNC #4-40	2,845	56	10	10	3,5	2,7	6	3
		22410206-UNC5		UNC #5-40	3,175	56	10	10	3,5	2,7	6	3
			224102-UNC6	UNC #6-32	3,505	56	12	12	4	3	6	3
		22410206-UNC8	224102-UNC8	UNC #8-32	4,166	63	13	13	4,5	3,4	6	3
		22410206-UNC10	224102-UNC10	UNC #10-24	4,826	70	16	16	6	4,9	8	3
		22410206-UNC1/4	224102-UNC1/4	UNC 1/4-20	6,35	80	15	25	7	5,5	8	3
		22410206-UNC5/16	224102-UNC5/16	UNC 5/16-18	7,938	90	18	29,5	8	6,2	9	3
		22410206-UNC3/8	224102-UNC3/8	UNC 3/8-16	9,525	100	20	33,5	10	8	11	4

≤ UNC 10: Without reduced neck after the thread

DIN 2184-1		Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
 Parallel shank			224602-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	4
		22460206-UNC1/2	224602-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
		22460206-UNC5/8	224602-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4
		22460206-UNC3/4	224602-UNC3/4	UNC 3/4-10	19,05	125	30	81	14	11	14	5

WALTER
SELECT

●● Primary application ● Other application

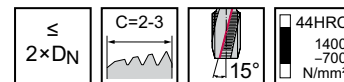
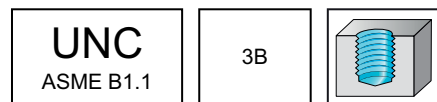
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E PM machine taps

mm

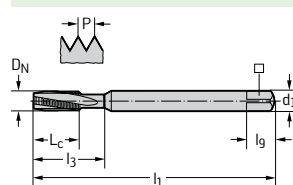
Paradur® Ti

- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1



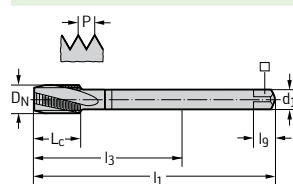
Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
224164-UNC6	UNC #6-32	3,505	56	12	12	4	3	6	3
224164-UNC8	UNC #8-32	4,166	63	13	13	4,5	3,4	6	3
224164-UNC10	UNC #10-24	4,826	70	16	16	6	4,9	8	3
224164-UNC1/4	UNC 1/4-20	6,35	80	15	25	7	5,5	8	3
224164-UNC5/16	UNC 5/16-18	7,938	90	18	29,5	8	6,2	9	3
224164-UNC3/8	UNC 3/8-16	9,525	100	20	33,5	10	8	11	3

Parallel shank

≤ UNC 10: Without reduced neck after the thread

C1

DIN 2184-1



Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
224664-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	4
224664-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4

Parallel shank

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

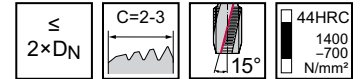
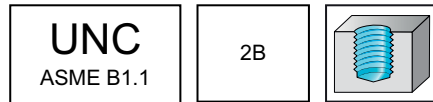
HSS-E PM machine taps

mm

Paradur® Ti



- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1		Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	22416-UNC6	UNC #6-32		3,505	56	12	12	4	3	6	3
	22416-UNC8	UNC #8-32		4,166	63	13	13	4,5	3,4	6	3
	22416-UNC10	UNC #10-24		4,826	70	16	16	6	4,9	8	3
	22416-UNC12	UNC #12-24		5,486	80	15	23	6	4,9	8	3
	22416-UNC1/4	UNC 1/4-20		6,35	80	15	25	7	5,5	8	3
	22416-UNC5/16	UNC 5/16-18		7,938	90	18	29,5	8	6,2	9	3
	22416-UNC3/8	UNC 3/8-16		9,525	100	20	33,5	10	8	11	3

≤ UNC 10: Without reduced neck after the thread

DIN 2184-1		Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	22466-UNC7/16	UNC 7/16-14		11,113	100	20	76	8	6,2	9	4
	22466-UNC1/2	UNC 1/2-13		12,7	110	23	83	9	7	10	4
	22466-UNC5/8	UNC 5/8-11		15,875	110	25	68	12	9	12	4

Parallel shank

C1

WALTER
SELECT

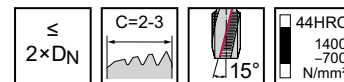
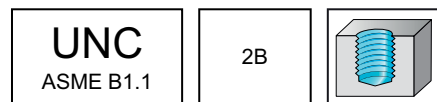
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E PM machine taps

mm

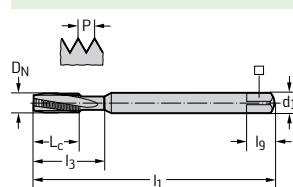
Paradur® Ti

- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1



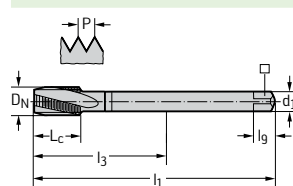
Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h ₉ mm	mm	l _g mm	N
22416-UNC6	UNC #6-32	3,505	56	12	12	4	3	6	3
22416-UNC8	UNC #8-32	4,166	63	13	13	4,5	3,4	6	3
22416-UNC10	UNC #10-24	4,826	70	16	16	6	4,9	8	3
22416-UNC12	UNC #12-24	5,486	80	15	23	6	4,9	8	3
22416-UNC1/4	UNC 1/4-20	6,35	80	15	25	7	5,5	8	3
22416-UNC5/16	UNC 5/16-18	7,938	90	18	29,5	8	6,2	9	3
22416-UNC3/8	UNC 3/8-16	9,525	100	20	33,5	10	8	11	3

≤ UNC 10: Without reduced neck after the thread

C1

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h ₉ mm	mm	l _g mm	N
22466-UNC7/16	UNC 7/16-14	11,113	100	20	76	8	6,2	9	4
22466-UNC1/2	UNC 1/2-13	12,7	110	23	83	9	7	10	4
22466-UNC5/8	UNC 5/8-11	15,875	110	25	68	12	9	12	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

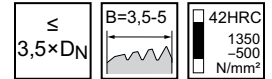
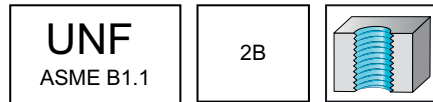
HSS-E PM machine taps

mm

Prototex® Eco Plus

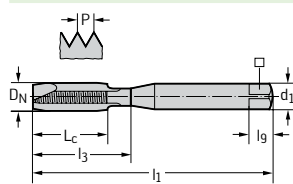


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

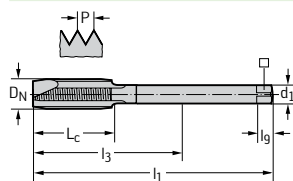
DIN 2184-1



Parallel shank

Designation THL	D _N -P	D _N mm	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2321302-UNF4	UNF #4-48	2,845		56	9	18	3,5	2,7	6	3
EP2321302-UNF6	UNF #6-40	3,505		56	11	20	4	3	6	3
EP2321302-UNF8	UNF #8-36	4,166		63	12	21	4,5	3,4	6	3
EP2321302-UNF10	UNF #10-32	4,826		70	13	25	6	4,9	8	3
EP2321302-UNF1/4	UNF 1/4-28	6,35		80	15	30	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation THL	D _N -P	D _N mm	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
EP2326302-UNF5/16	UNF 5/16-24	7,938		90	18	67	6	4,9	8	3
EP2326302-UNF3/8	UNF 3/8-24	9,525		100	20	77	7	5,5	8	3
EP2326302-UNF1/2	UNF 1/2-20	12,7		100	21	73	9	7	10	4
EP2326302-UNF5/8	UNF 5/8-18	15,875		100	21	58	12	9	12	4

C1

WALTER
SELECT

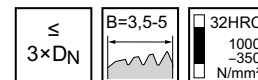
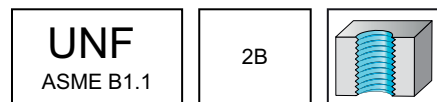
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

TC216 Perform mm

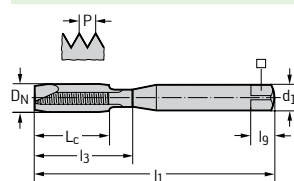


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●	●●	●●	●●

DIN 371

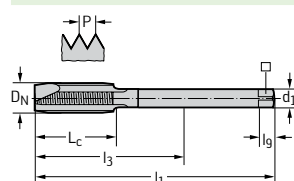


Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC216-UNF6-C0-	UNF #6-40	3,505	56	11	20	4	3	6	3	●●
TC216-UNF10-C0-	UNF #10-32	4,826	70	13	25	6	4,9	8	3	●●
TC216-UNF1/4-C0-	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3	●●
TC216-UNF5/16-C0-	UNF 5/16-24	7,938	90	18	35	8	6,2	9	3	●●
TC216-UNF3/8-C0-	UNF 3/8-24	9,525	100	20	39	10	8	11	3	●●

Parallel shank

Ordering example for the grade WY80AA: TC216-UNF1/4-C0-WY80AA

DIN 376



Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC216-UNF7/16-L0-	UNF 7/16-20	11,113	100	20	76	8	6,2	9	3	●●
TC216-UNF1/2-L0-	UNF 1/2-20	12,7	100	21	73	9	7	10	4	●●

Parallel shank

Ordering example for the grade WY80AA: TC216-UNF1/2-L0-WY80AA

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

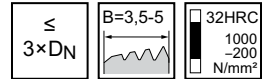
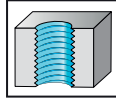
Prototex® X-pert P



– For long-chipping materials

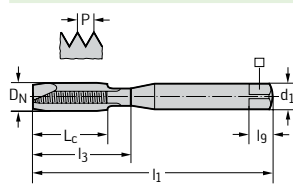
UNF
ASME B1.1

3B



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1-B



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P23200-UNF4	UNF #4-48	2,845	56	9	18	3,5	2,7	6	2
P23200-UNF6	UNF #6-40	3,505	56	11	20	4	3	6	2
P23200-UNF8	UNF #8-36	4,166	63	12	21	4,5	3,4	6	2
P23200-UNF10	UNF #10-32	4,826	70	13	25	6	4,9	8	2
P23200-UNF12	UNF #12-28	5,486	80	15	30	6	4,9	8	3
P23200-UNF1/4	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

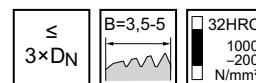
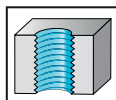
Prototex® X-pert P



- For long-chipping materials

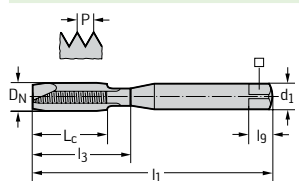
UNF
ASME B1.1

2B



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 2184-1

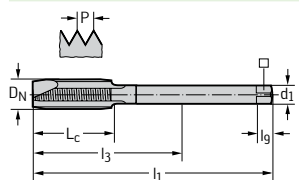


Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	l _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	P23210-UNF0	UNF #0-80	1,524	40	8	8	2,5	2,1	5	2
	P23210-UNF1	UNF #1-72	1,854	45	6	9	2,8	2,1	5	2
	P23210-UNF2	UNF #2-64	2,184	45	7	12	2,8	2,1	5	2
	P23210-UNF3	UNF #3-56	2,515	50	8	12,5	2,8	2,1	5	2
	P23210-UNF4	UNF #4-48	2,845	56	9	18	3,5	2,7	6	2
	P23210-UNF6	UNF #6-40	3,505	56	11	20	4	3	6	2
	P23210-UNF8	UNF #8-36	4,166	63	12	21	4,5	3,4	6	2
	P23210-UNF10	UNF #10-32	4,826	70	13	25	6	4,9	8	2
	P23210-UNF12	UNF #12-28	5,486	80	15	30	6	4,9	8	3
P2321005-UNF1/4	P23210-UNF1/4	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3

UNF 0: Without reduced neck after the thread

DIN 2184-1



Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P2336005-UNF5/16	P23360-UNF5/16	UNF 5/16-24	7,938	90	18	67	6	4,9	8	3
P2336005-UNF3/8	P23360-UNF3/8	UNF 3/8-24	9,525	100	20	77	7	5,5	8	3
P2336005-UNF7/16	P23360-UNF7/16	UNF 7/16-20	11,113	100	20	76	8	6,2	9	3
P2336005-UNF1/2	P23360-UNF1/2	UNF 1/2-20	12,7	100	21	73	9	7	10	4
	P23360-UNF9/16	UNF 9/16-18	14,288	100	21	71	11	9	12	4
P2336005-UNF5/8	P23360-UNF5/8	UNF 5/8-18	15,875	100	21	58	12	9	12	4
P2336005-UNF3/4	P23360-UNF3/4	UNF 3/4-16	19,05	110	24	66	14	11	14	4
	P23360-UNF7/8	UNF 7/8-14	22,225	125	24	78	18	14,5	17	4
	P23360-UNF1	UNF 1"-12	25,4	140	26	93	18	14,5	17	4
	P23360-UNF1.1/4	UNF 1.1/4-12	31,75	150	26	85	22	18	21	4
	P23360-UNF1.1/8	UNF 1.1/8-12	28,575	150	26	85	22	18	21	4
	P23360-UNF1.1/2	UNF 1.1/2-12	38,1	170	28	101	28	22	25	4
	P23360-UNF1.3/8	UNF 1.3/8-12	34,925	170	28	101	28	22	25	4

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

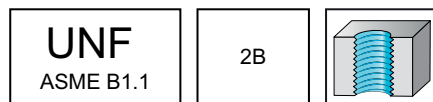
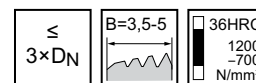
HSS-E machine taps

mm

Prototex® X-pert M

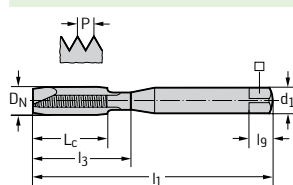


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●	●	●	●	●	●
VAP	●	●●	●	●	●	●	●

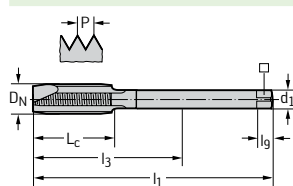
DIN 2184-1



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	l _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
	M23213-UNF5	UNF #5-44	3,175	56	10	18	3,5	2,7	6	2
	M23213-UNF6	UNF #6-40	3,505	56	11	20	4	3	6	2
	M23213-UNF8	UNF #8-36	4,166	63	12	21	4,5	3,4	6	2
M2321305-UNF10	M23213-UNF10	UNF #10-32	4,826	70	13	25	6	4,9	8	3
	M23213-UNF12	UNF #12-28	5,486	80	15	30	6	4,9	8	3
M2321305-UNF1/4	M23213-UNF1/4	UNF 1/4-28	6,35	80	15	30	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	l _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M2326305-UNF5/16	M23263-UNF5/16	UNF 5/16-24	7,938	90	18	67	6	4,9	8	3
M2326305-UNF3/8	M23263-UNF3/8	UNF 3/8-24	9,525	100	20	77	7	5,5	8	3
M2326305-UNF7/16	M23263-UNF7/16	UNF 7/16-20	11,113	100	20	76	8	6,2	9	3
M2326305-UNF1/2	M23263-UNF1/2	UNF 1/2-20	12,7	100	21	73	9	7	10	4
	M23263-UNF9/16	UNF 9/16-18	14,288	100	21	71	11	9	12	4
	M23263-UNF5/8	UNF 5/8-18	15,875	100	21	58	12	9	12	4
	M23263-UNF3/4	UNF 3/4-16	19,05	110	24	66	14	11	14	4
	M23263-UNF7/8	UNF 7/8-14	22,225	125	24	78	18	14,5	17	4
	M23263-UNF1	UNF 1"-12	25,4	140	26	93	18	14,5	17	4

C1

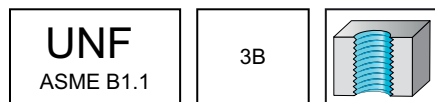
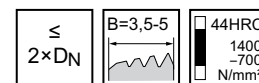
WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

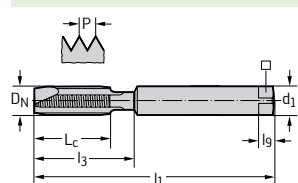
HSS-E PM machine taps

mm

Prototex® TiNi


	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 2184-1



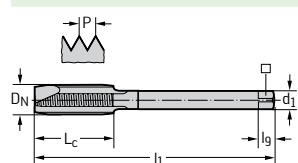
Parallel shank

Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	23207-UNF4	UNF #4-48	2,845	56	10	10	3,5	2,7	6	2
	23207-UNF5	UNF #5-44	3,175	56	10	10	3,5	2,7	6	2
	23207-UNF6	UNF #6-40	3,505	56	12	12	4	3	6	3
2320706-UNF10	23207-UNF10	UNF #10-32	4,826	70	16	16	6	4,9	8	3
2320706-UNF1/4	23207-UNF1/4	UNF 1/4-28	6,35	80	15	25	7	5,5	8	3
2320706-UNF5/16	23207-UNF5/16	UNF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
2320706-UNF3/8	23207-UNF3/8	UNF 3/8-24	9,525	100	20	33,5	10	8	11	3

≤ UNF 10: Without reduced neck after the thread

C1

DIN 2184-1



Parallel shank

Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2325706-UNF7/16	23257-UNF7/16	UNF 7/16-20	11,113	100	20	76	8	6,2	9	4
2325706-UNF1/2	23257-UNF1/2	UNF 1/2-20	12,7	100	23	73	9	7	10	4
2325706-UNF5/8	23257-UNF5/8	UNF 5/8-18	15,875	100	25	58	12	9	12	4

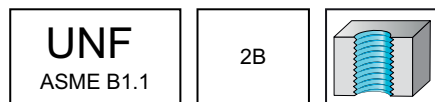
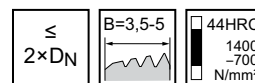
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

Prototex® TiNi



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 2184-1	Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	2321706-UNF5	23217-UNF5	UNF #5-44	3,175	56	10	10	3,5	2,7	6	2
		23217-UNF6	UNF #6-40	3,505	56	12	12	4	3	6	3
	2321706-UNF10	23217-UNF10	UNF #10-32	4,826	70	16	16	6	4,9	8	3
	2321706-UNF1/4	23217-UNF1/4	UNF 1/4-28	6,35	80	15	25	7	5,5	8	3
	2321706-UNF5/16	23217-UNF5/16	UNF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
	2321706-UNF3/8	23217-UNF3/8	UNF 3/8-24	9,525	100	20	33,5	10	8	11	3
Parallel shank											

≤ UNF 10: Without reduced neck after the thread

DIN 2184-1	Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	2326706-UNF7/16	23267-UNF7/16	UNF 7/16-20	11,113	100	20	76	8	6,2	9	4
	2326706-UNF1/2	23267-UNF1/2	UNF 1/2-20	12,7	100	23	73	9	7	10	4
	2326706-UNF5/8	23267-UNF5/8	UNF 5/8-18	15,875	100	25	58	12	9	12	4
Parallel shank											

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

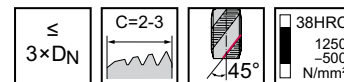
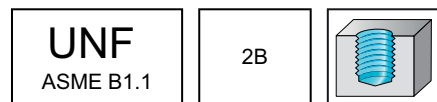
HSS-E PM machine taps

mm

Paradur® Eco Plus



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●	●●	●●	●●

~DIN 2184-1		Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	EP2351302-UNF4	UNF #4-48		2,845	56	6	11	3,5	2,7	6	3
	EP2351302-UNF6	UNF #6-40		3,505	56	6,5	13,1	4	3	6	3
	EP2351302-UNF8	UNF #8-36		4,166	63	7	17,4	4,5	3,4	6	3
	EP2351302-UNF10	UNF #10-32		4,826	70	8	20,7	6	4,9	8	3
	EP2351302-UNF1/4	UNF 1/4-28		6,35	80	10	25,9	7	5,5	8	3

Parallel shank

DIN 2184-1		Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	EP2356302-UNF5/16	UNF 5/16-24		7,938	90	12	67	6	4,9	8	3
	EP2356302-UNF3/8	UNF 3/8-24		9,525	100	15	77	7	5,5	8	3
	EP2356302-UNF1/2	UNF 1/2-20		12,7	100	13	73	9	7	10	4
	EP2356302-UNF5/8	UNF 5/8-18		15,875	100	15	58	12	9	12	4

Parallel shank

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

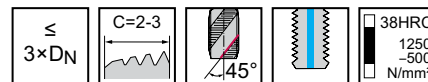
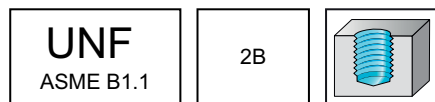
HSS-E PM machine taps

mm

Paradur® Eco Plus



– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

~DIN 2184-1		Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		EP2351312-UNF1/4	UNF 1/4-28	6,35	80	10	25,9	7	5,5	8	3
Parallel shank											

DIN 2184-1		Designation THL	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		EP2356312-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
		EP2356312-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
		EP2356312-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
		EP2356312-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4
Parallel shank											

C1

WALTER
SELECT

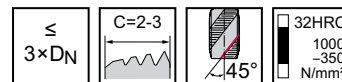
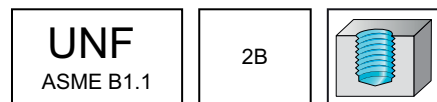
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

TC115 Perform mm

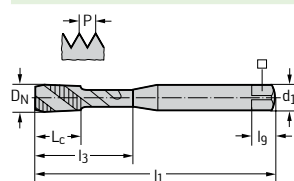


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●●	●●	●●	●●	●●	●●	●●

DIN 371

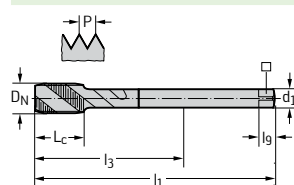


Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC115-UNF6-C0-	UNF #6-40	3,505	56	6,5	20	4	3	6	3	●●
TC115-UNF10-C0-	UNF #10-32	4,826	70	8	25	6	4,9	8	3	●●
TC115-UNF1/4-C0-	UNF 1/4-28	6,35	80	10	30	7	5,5	8	3	●●
TC115-UNF5/16-C0-	UNF 5/16-24	7,938	90	12	35	8	6,2	9	3	●●
TC115-UNF3/8-C0-	UNF 3/8-24	9,525	100	15	39	10	8	11	3	●●

Parallel shank

Ordering example for the grade WY80AA: TC115-UNF1/4-C0-WY80AA

DIN 376



Designation	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AA
TC115-UNF7/16-L0-	UNF 7/16-20	11,113	100	15	76	8	6,2	9	3	●●
TC115-UNF1/2-L0-	UNF 1/2-20	12,7	100	13	73	9	7	10	4	●●

Parallel shank

Ordering example for the grade WY80AA: TC115-UNF1/2-L0-WY80AA

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

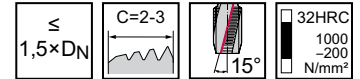
HSS-E machine taps

mm

Paradur® N

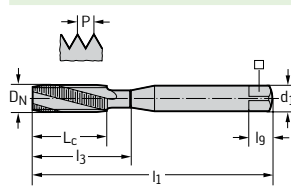


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			

DIN 2184-1

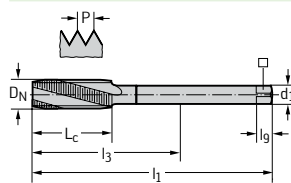


Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
23400-UNF0	UNF #0-80	1,524	40	6	6	2,5	2,1	5	3
23400-UNF4	UNF #4-48	2,845	56	6	18	3,5	2,7	6	3
23400-UNF8	UNF #8-36	4,166	63	7	21	4,5	3,4	6	3
23400-UNF10	UNF #10-32	4,826	70	8	25	6	4,9	8	3
23400-UNF12	UNF #12-28	5,486	80	10	30	6	4,9	8	3
23400-UNF1/4	UNF 1/4-28	6,35	80	10	30	7	5,5	8	3
23400-UNF5/16	UNF 5/16-24	7,938	90	12	35	8	6,2	9	3
23400-UNF3/8	UNF 3/8-24	9,525	100	15	39	10	8	11	3

UNF 0: Without reduced neck after the thread

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
23450-UNF5/16	UNF 5/16-24	7,938	90	13	67	6	4,9	8	3
23450-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
23450-UNF7/16	UNF 7/16-20	11,113	100	15	76	8	6,2	9	3
23450-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	3
23450-UNF9/16	UNF 9/16-18	14,288	100	15	71	11	9	12	4
23450-UNF3/4	UNF 3/4-16	19,05	110	17	66	14	11	14	4
23450-UNF7/8	UNF 7/8-14	22,225	125	18	78	18	14,5	17	4

C1

WALTER
SELECT

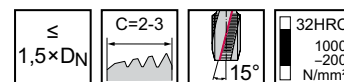
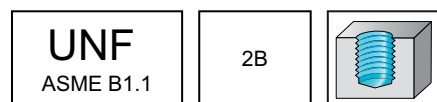
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

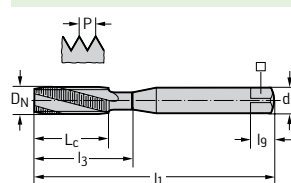
Paradur® N

– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

DIN 2184-1

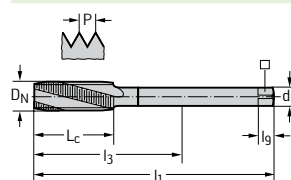


Parallel shank

Designation uncoated	D _N -P	D _N mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
23410-UNF0	UNF #0-80	1,524	40	6	6	2,5	2,1	5
23410-UNF1	UNF #1-72	1,854	45	4	9	2,8	2,1	5
23410-UNF2	UNF #2-64	2,184	45	4	12	2,8	2,1	5
23410-UNF4	UNF #4-48	2,845	56	6	18	3,5	2,7	6
23410-UNF8	UNF #8-36	4,166	63	7	21	4,5	3,4	6
23410-UNF10	UNF #10-32	4,826	70	8	25	6	4,9	8
23410-UNF12	UNF #12-28	5,486	80	10	30	6	4,9	8
23410-UNF1/4	UNF 1/4-28	6,35	80	10	30	7	5,5	8
23410-UNF5/16	UNF 5/16-24	7,938	90	12	35	8	6,2	9
23410-UNF3/8	UNF 3/8-24	9,525	100	15	39	10	8	11

UNF 0: Without reduced neck after the thread

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
23460-UNF5/16	UNF 5/16-24	7,938	90	13	67	6	4,9	8	3
23460-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
23460-UNF7/16	UNF 7/16-20	11,113	100	15	76	8	6,2	9	3
23460-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	3
23460-UNF9/16	UNF 9/16-18	14,288	100	15	71	11	9	12	4
23460-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4
23460-UNF3/4	UNF 3/4-16	19,05	110	17	66	14	11	14	4
23460-UNF7/8	UNF 7/8-14	22,225	125	18	78	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

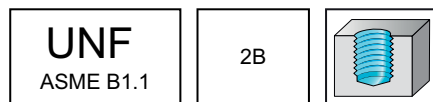
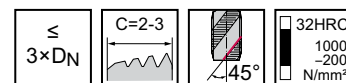
HSS-E machine taps

mm

Paradur® X-pert P

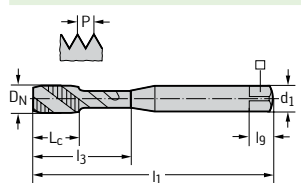


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

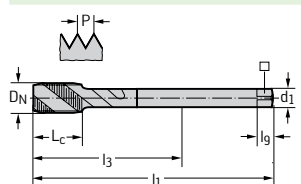
DIN 2184-1



Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
	P23519-UNF1	UNF #1-72	1,854	45	4	9	2,8	2,1	5	3
	P23519-UNF2	UNF #2-64	2,184	45	4	12	2,8	2,1	5	3
	P23519-UNF3	UNF #3-56	2,515	50	4	12,5	2,8	2,1	5	3
	P23519-UNF4	UNF #4-48	2,845	56	6	18	3,5	2,7	6	3
	P23519-UNF5	UNF #5-44	3,175	56	6	18	3,5	2,7	6	3
	P23519-UNF6	UNF #6-40	3,505	56	6,5	20	4	3	6	3
	P23519-UNF8	UNF #8-36	4,166	63	7	21	4,5	3,4	6	3
P2351905-UNF10	P23519-UNF10	UNF #10-32	4,826	70	8	25	6	4,9	8	3
	P23519-UNF12	UNF #12-28	5,486	80	10	30	6	4,9	8	3
P2351905-UNF1/4	P23519-UNF1/4	UNF 1/4-28	6,35	80	10	30	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	 mm	l _g mm	N
P2356905-UNF5/16	P23569-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
P2356905-UNF3/8	P23569-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
P2356905-UNF7/16	P23569-UNF7/16	UNF 7/16-20	11,113	100	15	76	8	6,2	9	3
P2356905-UNF1/2	P23569-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
P2356905-UNF9/16	P23569-UNF9/16	UNF 9/16-18	14,288	100	15	71	11	9	12	4
P2356905-UNF5/8	P23569-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4
P2356905-UNF3/4	P23569-UNF3/4	UNF 3/4-16	19,05	110	17	66	14	11	14	4
P2356905-UNF7/8	P23569-UNF7/8	UNF 7/8-14	22,225	125	18	78	18	14,5	17	4
	P23569-UNF1	UNF 1"-12	25,4	140	20	93	18	14,5	17	5
	P23569-UNF1.1/8	UNF 1.1/8-12	28,575	150	20	85	22	18	21	5
	P23569-UNF1.1/4	UNF 1.1/4-12	31,75	150	20	85	22	18	21	5
	P23569-UNF1.3/8	UNF 1.3/8-12	34,925	170	22	101	28	22	25	5
	P23569-UNF1.1/2	UNF 1.1/2-12	38,1	170	22	101	28	22	25	5

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

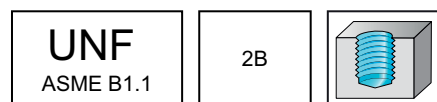
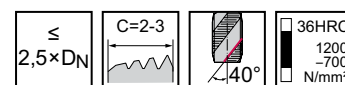
HSS-E machine taps

mm

Paradur® X-pert M

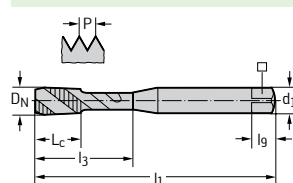


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●	●	●	●	●	●
VAP	●	●●	●	●	●	●	●

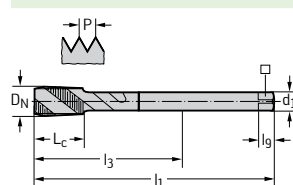
DIN 2184-1



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	M23513-UNF6	UNF #6-40	3,505	56	6,5	20	4	3	6	3
M2351305-UNF8	M23513-UNF8	UNF #8-36	4,166	63	7	21	4,5	3,4	6	3
M2351305-UNF10	M23513-UNF10	UNF #10-32	4,826	70	8	25	6	4,9	8	3
M2351305-UNF12	M23513-UNF12	UNF #12-28	5,486	80	10	30	6	4,9	8	3
M2351305-UNF1/4	M23513-UNF1/4	UNF 1/4-28	6,35	80	10	30	7	5,5	8	3

DIN 2184-1



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
M2356305-UNF5/16	M23563-UNF5/16	UNF 5/16-24	7,938	90	12	67	6	4,9	8	3
M2356305-UNF3/8	M23563-UNF3/8	UNF 3/8-24	9,525	100	15	77	7	5,5	8	3
M2356305-UNF7/16	M23563-UNF7/16	UNF 7/16-20	11,113	100	15	76	8	6,2	9	3
M2356305-UNF1/2	M23563-UNF1/2	UNF 1/2-20	12,7	100	13	73	9	7	10	4
M2356305-UNF9/16	M23563-UNF9/16	UNF 9/16-18	14,288	100	15	71	11	9	12	4
M2356305-UNF5/8	M23563-UNF5/8	UNF 5/8-18	15,875	100	15	58	12	9	12	4
M2356305-UNF3/4	M23563-UNF3/4	UNF 3/4-16	19,05	110	17	66	14	11	14	4
M2356305-UNF7/8	M23563-UNF7/8	UNF 7/8-14	22,225	125	18	78	18	14,5	17	4
M2356305-UNF1	M23563-UNF1	UNF 1"-12	25,4	140	20	93	18	14,5	17	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

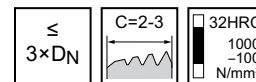
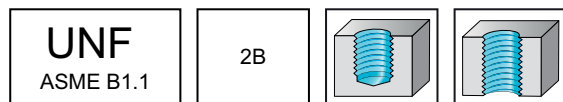
HSS-E PM machine taps

mm

Paradur® Eco CI

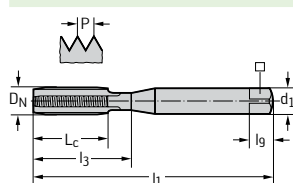


- For short-chipping materials
- Nitrided



	P	M	K	N	S	H	O
NID			●●	●●			●●

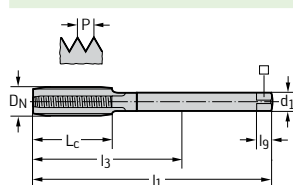
DIN 2184-1



Parallel shank

Designation NID	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
E23314-UNF10	UNF #10-32	4,826	70	13	25	6	4,9	8	4
E23314-UNF1/4	UNF 1/4-28	6,35	80	15	30	7	5,5	8	4

DIN 2184-1



Parallel shank

Designation NID	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
E23364-UNF5/16	UNF 5/16-24	7,938	90	18	67	6	4,9	8	4
E23364-UNF3/8	UNF 3/8-24	9,525	100	20	77	7	5,5	8	4
E23364-UNF7/16	UNF 7/16-20	11,113	100	20	76	8	6,2	9	4
E23364-UNF1/2	UNF 1/2-20	12,7	100	21	73	9	7	10	4
E23364-UNF9/16	UNF 9/16-18	14,288	100	21	71	11	9	12	4
E23364-UNF5/8	UNF 5/8-18	15,875	100	21	58	12	9	12	4
E23364-UNF3/4	UNF 3/4-16	19,05	110	24	66	14	11	14	4
E23364-UNF7/8	UNF 7/8-14	22,225	125	24	78	18	14,5	17	5

C1

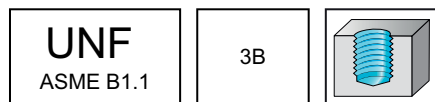
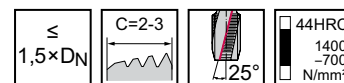
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

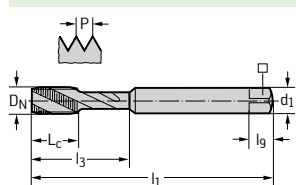
mm

Paradur® Ni



	P	M	K	N	S	H	O
TICN	●	●	●	●	●	●	●
uncoated	●	●	●	●	●	●	●

~DIN 2184-1



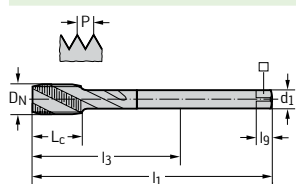
Parallel shank

Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	l _C mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
23410406-UNF8	234104-UNF8	UNF #8-36	4,166	63	13	42	4,5	3,4	6	3
23410406-UNF10	234104-UNF10	UNF #10-32	4,826	70	16	16	6	4,9	8	3
	234104-UNF12	UNF #12-28	5,486	80	15	23	6	4,9	8	3
23410406-UNF1/4	234104-UNF1/4	UNF 1/4-28	6,35	80	15	25	7	5,5	8	3
23410406-UNF5/16	234104-UNF5/16	UNF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
23410406-UNF3/8	234104-UNF3/8	UNF 3/8-24	9,525	100	20	33,5	10	8	11	4

≤ UNF 10: Without reduced neck after the thread

C1

DIN 2184-1



Parallel shank

Designation TICN	Designation uncoated	D _N -P	D _N mm	l ₁ mm	l _C mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
23460406-UNF7/16	234604-UNF7/16	UNF 7/16-20	11,113	100	20	76	8	6,2	9	4
23460406-UNF1/2	234604-UNF1/2	UNF 1/2-20	12,7	100	23	73	9	7	10	4
23460406-UNF5/8	234604-UNF5/8	UNF 5/8-18	15,875	100	25	58	12	9	12	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

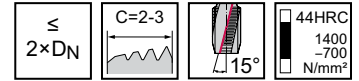
HSS-E PM machine taps

mm

Paradur® Ti

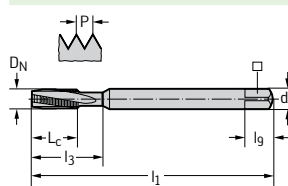


- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1

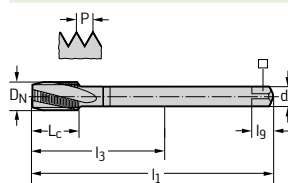


Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
234164-UNF10	UNF #10-32	4,826	70	16	16	6	4,9	8	3
234164-UNF1/4	UNF 1/4-28	6,35	80	15	25	7	5,5	8	3
234164-UNF5/16	UNF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
234164-UNF3/8	UNF 3/8-24	9,525	100	20	33,5	10	8	11	3

≤ UNF 10: Without reduced neck after the thread

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	mm	l _g mm	N
234664-UNF7/16	UNF 7/16-20	11,113	100	20	8	6,2	9	4
234664-UNF1/2	UNF 1/2-20	12,7	100	23	9	7	10	4
234664-UNF5/8	UNF 5/8-18	15,875	100	25	12	9	12	4

C1

WALTER
SELECT

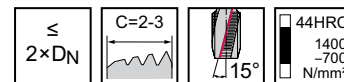
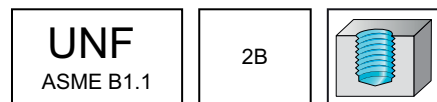
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

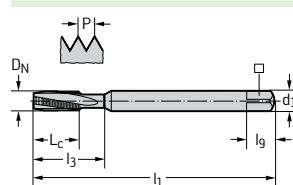
Paradur® Ti

- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1



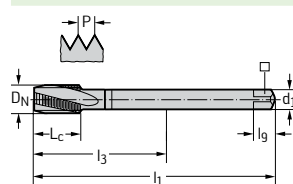
Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
23416-UNF6	UNF #6-40	3,505	56	12	35	4	3	6	3
23416-UNF10	UNF #10-32	4,826	70	16	16	6	4,9	8	3
23416-UNF1/4	UNF 1/4-28	6,35	80	15	25	7	5,5	8	3
23416-UNF5/16	UNF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
23416-UNF3/8	UNF 3/8-24	9,525	100	20	33,5	10	8	11	3

≤ UNF 10: Without reduced neck after the thread

C1

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
23466-UNF7/16	UNF 7/16-20	11,113	100	20	76	8	6,2	9	4
23466-UNF1/2	UNF 1/2-20	12,7	100	23	73	9	7	10	4
23466-UNF5/8	UNF 5/8-18	15,875	100	25	58	12	9	12	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

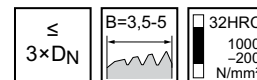
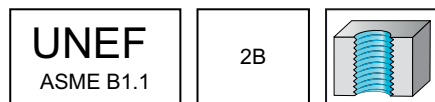
HSS-E machine taps

mm

Prototex® X-pert P

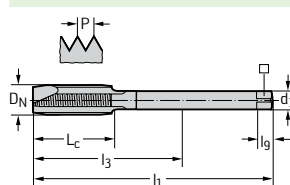


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P233602-UNE F1/4	UNE F 1/4-32	6,35	80	15	59	4,5	3,4	6	3
P233602-UNE F5/16	UNE F 5/16-32	7,938	90	18	67	6	4,9	8	3
P233602-UNE F3/8	UNE F 3/8-32	9,525	90	20	67	7	5,5	8	3
P233602-UNE F7/16	UNE F 7/16-28	11,113	90	20	66	8	6,2	9	3
P233602-UNE F1/2	UNE F 1/2-28	12,7	100	21	73	9	7	10	4
P233602-UNE F9/16	UNE F 9/16-24	14,288	100	21	71	11	9	12	4
P233602-UNE F5/8	UNE F 5/8-24	15,875	100	21	58	12	9	12	4
P233602-UNE F11/16	UNE F 11/16-24	17,463	110	24	66	14	11	14	4
P233602-UNE F3/4	UNE F 3/4-20	19,05	110	24	66	14	11	14	4
P233602-UNE F7/8	UNE F 7/8-20	22,225	125	24	78	18	14,5	17	4

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

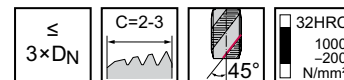
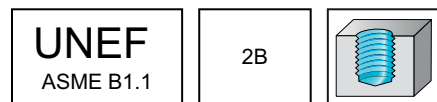
HSS-E machine taps

mm

Paradur® X-pert P

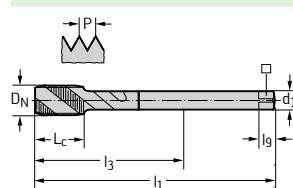


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P235692-UNE F1/4	UNE F 1/4-32	6,35	80	10	59	4,5	3,4	6	3
P235692-UNE F5/16	UNE F 5/16-32	7,938	90	12	67	6	4,9	8	3
P235692-UNE F3/8	UNE F 3/8-32	9,525	90	12	67	7	5,5	8	3
P235692-UNE F7/16	UNE F 7/16-28	11,113	90	15	66	8	6,2	9	3
P235692-UNE F1/2	UNE F 1/2-28	12,7	100	13	73	9	7	10	4
P235692-UNE F9/16	UNE F 9/16-24	14,288	100	15	71	11	9	12	4
P235692-UNE F5/8	UNE F 5/8-24	15,875	100	15	58	12	9	12	4
P235692-UNE F11/16	UNE F 11/16-24	17,463	110	17	66	14	11	14	4
P235692-UNE F3/4	UNE F 3/4-20	19,05	110	17	66	14	11	14	4
P235692-UNE F7/8	UNE F 7/8-20	22,225	125	18	78	18	14,5	17	4
P235692-UNE F1	UNE F 1"-20	25,4	140	20	93	18	14,5	17	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

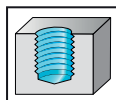
Paradur® X-pert P



– For long-chipping materials

UN-8
ASME B1.1

2B


 $\leq$
3×DN

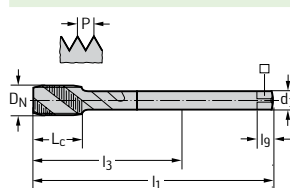
C=2-3

45°

32HRC
1000
–200
N/mm²

	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P265676-UN1.1/8	UN 1.1/8-8	28,575	180	30	22	18	21	5
P265676-UN1.1/4	UN 1.1/4-8	31,75	180	30	22	18	21	5
P265676-UN1.3/8	UN 1.3/8-8	34,925	200	30	28	22	25	5
P265676-UN1.1/2	UN 1.1/2-8	38,1	200	30	28	22	25	5
P265676-UN1.5/8	UN 1.5/8-8	41,275	200	33	32	24	27	6
P265676-UN1.3/4	UN 1.3/4-8	44,45	200	33	36	29	32	6
P265676-UN1.7/8	UN 1.7/8-8	47,625	225	36	36	29	32	6
P265676-UN2	UN 2"-8	50,8	225	36	40	32	35	6
P265676-UN2.1/4	UN 2.1/4-8	57,15	250	36	45	35	38	6

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

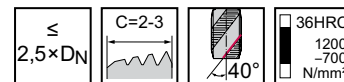
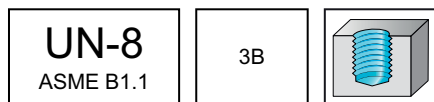
HSS-E machine taps

mm

Paradur® X-pert M

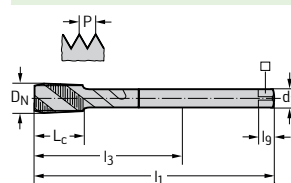


– For long-chipping materials



	P	M	K	N	S	H	O
VAP	●	●●					

DIN 2184-1-C



Parallel shank

Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	mm	l ₉ mm	N
M225532-UN1.1/8	UN 1.1/8-8	28,575	180	30	22	18	21	4
M225532-UN1.1/4	UN 1.1/4-8	31,75	180	30	22	18	21	4
M225532-UN1.3/8	UN 1.3/8-8	34,925	200	30	28	22	25	5

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

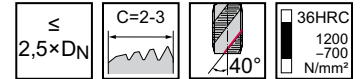
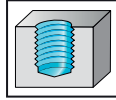
Paradur® X-pert M



– For long-chipping materials

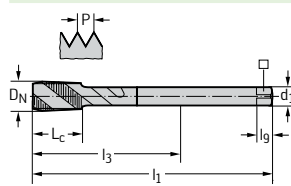
UN-8
ASME B1.1

2B



	P	M	K	N	S	H	O
VAP	●	●●					

DIN 2184-1



Parallel shank

Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	□ mm	l _g mm	N
M225632-UN1.1/8	UN 1.1/8-8	28,575	180	30	22	18	21	4
M225632-UN1.1/4	UN 1.1/4-8	31,75	180	30	22	18	21	4
M225632-UN1.3/8	UN 1.3/8-8	34,925	200	30	28	22	25	5
M225632-UN1.1/2	UN 1.1/2-8	38,1	200	30	28	22	25	5
M225632-UN1.5/8	UN 1.5/8-8	41,275	200	33	32	24	27	5
M225632-UN1.3/4	UN 1.3/4-8	44,45	200	33	36	29	32	6
M225632-UN1.7/8	UN 1.7/8-8	47,625	225	36	36	29	32	6
M225632-UN2	UN 2"-8	50,8	225	36	40	32	35	6

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

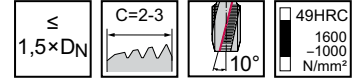
HSS-E PM machine taps

mm

Paradur® Ni 10



- External diameter, rounded
- For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	2041014-MJ3	MJ 3	0,5	56	8	35	3,5	2,7	6	3
	2041014-MJ4	MJ 4	0,7	63	10,5	42	4,5	3,4	6	3
	2041014-MJ5	MJ 5	0,8	70	13	47	6	4,9	8	3
	2041014-MJ6	MJ 6	1	80	15,5	57	6	4,9	8	3

Parallel shank

Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

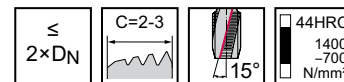
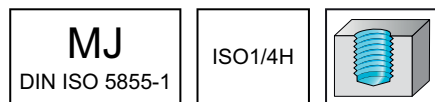
HSS-E PM machine taps

mm

Paradur® Ti



- Recommended with oil
- External diameter, rounded



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
	204164-MJ3	MJ 3	0,5	56	10	10	3,5	2,7	6	3
	204164-MJ4	MJ 4	0,7	63	13	13	4,5	3,4	6	3
	204164-MJ5	MJ 5	0,8	70	16	16	6	4,9	8	3
	204164-MJ6	MJ 6	1	80	15	23	6	4,9	8	3
	204164-MJ8	MJ 8	1,25	90	18	29,5	8	6,2	9	3
	204164-MJ10	MJ 10	1,5	100	20	33,5	10	8	11	3

Parallel shank

≤ MJ 5: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

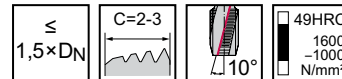
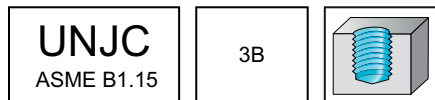
HSS-E PM machine taps

mm

Paradur® Ni 10



- External diameter, rounded
- For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1	Designation		D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	□ mm	l _g mm	N
	uncoated	D _N -P							
	224101-UNJC4	UNJC #4-40	2,845	56	8	3,5	2,7	6	3
	224101-UNJC6	UNJC #6-32	3,505	56	10	4	3	6	3
	224101-UNJC8	UNJC #8-32	4,166	63	11	4,5	3,4	6	3
	224101-UNJC10	UNJC #10-24	4,826	70	13,5	6	4,9	8	3
	224101-UNJC1/4	UNJC 1/4-20	6,35	80	17,5	7	5,5	8	3
	224101-UNJC5/16	UNJC 5/16-18	7,938	90	21	8	6,2	9	3
	224101-UNJC3/8	UNJC 3/8-16	9,525	100	25	10	8	11	3

≤ UNC 10: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

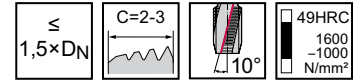
HSS-E PM machine taps

mm

Paradur® Ni 10



- External diameter, rounded
- For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1		Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	□ mm	l _g mm	N
	234101-UNJF6	UNJF #6-40		3,505	56	9,5	4	3	6	3
	234101-UNJF8	UNJF #8-36		4,166	63	11	4,5	3,4	6	3
	234101-UNJF10	UNJF #10-32		4,826	70	12,5	6	4,9	8	3
	234101-UNJF1/4	UNJF 1/4-28		6,35	80	16	7	5,5	8	3
	234101-UNJF5/16	UNJF 5/16-24		7,938	90	20	8	6,2	9	3
	234101-UNJF3/8	UNJF 3/8-24		9,525	100	23	10	8	11	3
Parallel shank										

≤ UNJF 10: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

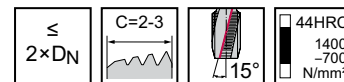
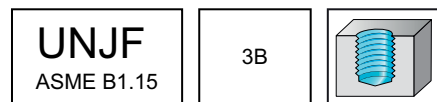
HSS-E PM machine taps

mm

Paradur® Ti Plus



- Recommended with emulsion
- External diameter, rounded



	P	M	K	N	S	H	O
ACN					●●		

~DIN 2184-1										
Designation ACN	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	
2340663-UNJF10	UNJF #10-32	4,826	70	16	16	6	4,9	8	3	
2340663-UNJF1/4	UNJF 1/4-28	6,35	80	15	25	7	5,5	8	3	
2340663-UNJF5/16	UNJF 5/16-24	7,938	90	18	29,5	8	6,2	9	3	
2340663-UNJF3/8	UNJF 3/8-24	9,525	100	20	33,5	10	8	11	3	

Parallel shank

UNJF 10: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

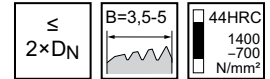
HSS-E PM machine taps

mm

Prototex® TiNi Plus

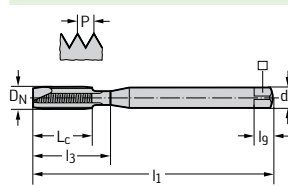


- Recommended with emulsion
- External diameter, rounded



	P	M	K	N	S	H	O
ACN					●●		

~DIN 2184-1



Designation ACN	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
2320763-UNJF10	UNJF #10-32	4,826	70	16	16	6	4,9	8	3
2320763-UNJF1/4	UNJF 1/4-28	6,35	80	15	25	7	5,5	8	3
2320763-UNJF5/16	UNJF 5/16-24	7,938	90	18	29,5	8	6,2	9	3
2320763-UNJF3/8	UNJF 3/8-24	9,525	100	20	33,5	10	8	11	3

Parallel shank

UNJF 10: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

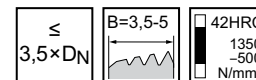
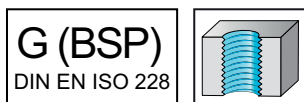
HSS-E PM machine taps

mm

Prototex® Eco Plus

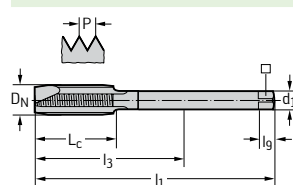


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 5156



Parallel shank

Designation THL	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2426302-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3
EP2426302-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4
EP2426302-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4
EP2426302-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4
EP2426302-G5/8	G 5/8-14	22,911	14	125	24	78	18	14,5	17	4
EP2426302-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	5
EP2426302-G1	G 1"-11	33,249	11	160	28	93	25	20	23	5

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

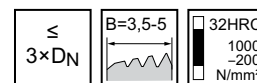
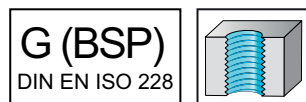
HSS-E machine taps

mm

Prototex® X-pert P

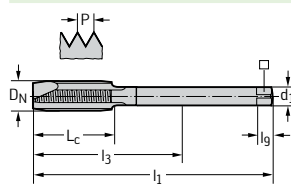


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 5156



Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P2436005-G1/8	P24360-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3
P2436005-G1/4	P24360-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	3
P2436005-G3/8	P24360-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4
P2436005-G1/2	P24360-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4
	P24360-G5/8	G 5/8-14	22,911	14	125	24	78	18	14,5	17	4
P2436005-G3/4	P24360-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	4
	P24360-G7/8	G 7/8-14	30,201	14	150	26	85	22	18	21	4
P2436005-G1	P24360-G1	G 1"-11	33,249	11	160	28	93	25	20	23	4
	P24360-G1.1/4	G 1.1/4-11	41,91	11	170	28	72	32	24	27	4
	P24360-G1.1/2	G 1.1/2-11	47,803	11	190	30	87	36	29	32	5
	P24360-G2	G 2"-11	59,614	11	220	34	87	45	35	38	5

l₉ dimensions in accordance with DIN 10

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

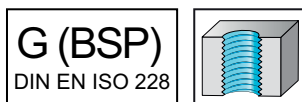
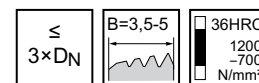
HSS-E machine taps

mm

Prototex® X-pert M

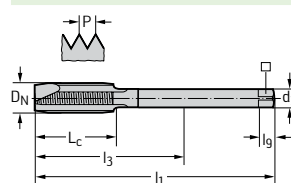


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●					
VAP	●	●●					

DIN 5156



Parallel shank

Designation TIN	Designation VAP	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
M2426305-G1/8	M24263-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3
M2426305-G1/4	M24263-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4
M2426305-G3/8	M24263-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4
M2426305-G1/2	M24263-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4
M2426305-G3/4	M24263-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	4
M2426305-G1	M24263-G1	G 1"-11	33,249	11	160	28	93	25	20	23	5

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

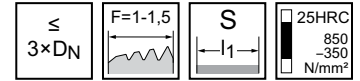
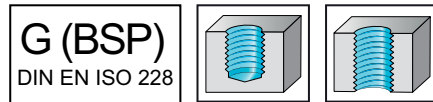
HSS-E taps, short

mm

KMB Ms

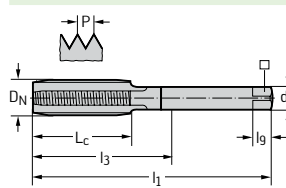


– For short-chipping materials



	P	M	K	N	S	H	O
uncoated				●●			●

DIN 5157

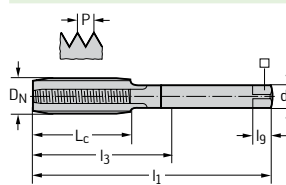


Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
24165-G1/8	G 1/8-28	9,728	28	63	20	40	7	5,5	8	3
24165-G1/4	G 1/4-19	13,157	19	70	20	41	11	9	12	4
24165-G3/8	G 3/8-19	16,662	19	70	20	28	12	9	12	4
24165-G1/2	G 1/2-14	20,955	14	80	22	35	16	12	15	6
24165-G3/4	G 3/4-14	26,441	14	90	22	27	20	16	19	6
24165-G1	G 1"-11	33,249	11	100	25	33	25	20	23	6

Parallel shank

Thread machining allowance 0.05 mm

DIN 5157



Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
24195-G1/8	G 1/8-28	9,728	28	63	20	40	7	5,5	8	3
24195-G1/4	G 1/4-19	13,157	19	70	20	41	11	9	12	4
24195-G3/8	G 3/8-19	16,662	19	70	20	28	12	9	12	4
24195-G1/2	G 1/2-14	20,955	14	80	22	35	16	12	15	6
24195-G3/4	G 3/4-14	26,441	14	90	22	27	20	16	19	6

Parallel shank

Thread machining allowance 0.1 mm

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

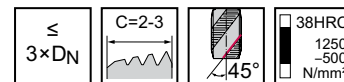
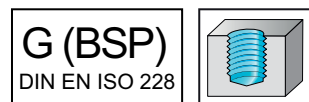
HSS-E PM machine taps

mm

Paradur® Eco Plus

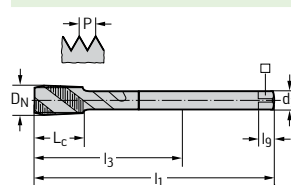


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●●	●●			

DIN 5156



Parallel shank

Designation THL	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
EP2456302-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3
EP2456302-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	12	4
EP2456302-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	12	4
EP2456302-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	15	4
EP2456302-G5/8	G 5/8-14	22,911	14	125	18	78	18	14,5	17	4
EP2456302-G3/4	G 3/4-14	26,441	14	140	20	77	20	16	19	5
EP2456302-G1	G 1"-11	33,249	11	160	22	93	25	20	23	5

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

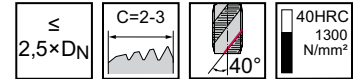
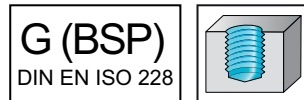
HSS-E machine taps

mm

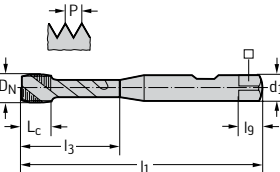
Paradur® Synchrospeed



- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
THL	●●	●●	●●	●	●		●

~DIN 5156												
	Designation THL	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _C mm	l ₃ mm	d ₁ h6 mm	 mm	l _g mm	N	
	S2456302-G1/8	G 1/8-28	9,728	28	90	9,5	39	10	8	11	3	
	S2456302-G1/4	G 1/4-19	13,157	19	100	14	46	14	11	14	3	
	S2456302-G3/8	G 3/8-19	16,662	19	100	14	62,5	16	12	15	4	
	S2456302-G1/2	G 1/2-14	20,955	14	125	19	50	20	16	19	4	
Parallel shank												

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine taps

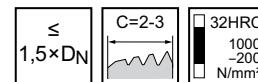
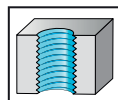
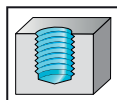
mm

Paradur® H



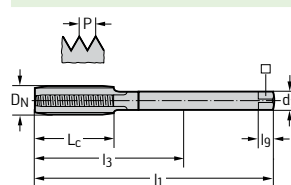
– For long- and short-chipping materials

G (BSP)
DIN EN ISO 228



	P	M	K	N	S	H	O
uncoated			●	●●			●

DIN 5156



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
24361-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3
24361-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4
24361-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4
24361-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4
24361-G5/8	G 5/8-14	22,911	14	125	24	78	18	14,5	17	4
24361-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	4
24361-G1	G 1"-11	33,249	11	160	28	93	25	20	23	4
24361-G1.1/4	G 1.1/4-11	41,91	11	170	28	72	32	24	27	4
24361-G1.1/2	G 1.1/2-11	47,803	11	190	30	87	36	29	32	6
24361-G2	G 2"-11	59,614	11	220	34	87	45	35	38	6
24361-G2.1/2	G 2.1/2-11	75,184	11	275	38	138	50	39	42	6

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

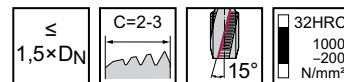
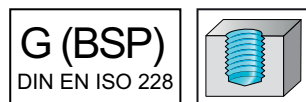
HSS-E machine taps

mm

Paradur® N

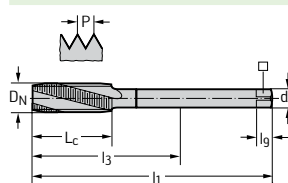


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			

DIN 5156



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
24460-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	3
24460-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4
24460-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	4
24460-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	4
24460-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	4
24460-G1	G 1"-11	33,249	11	160	28	93	25	20	23	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

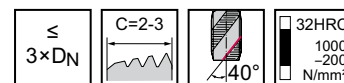
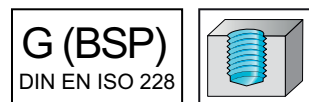
HSS-E machine taps

mm

Paradur® X-pert P

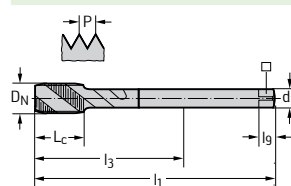


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●			●			●
uncoated	●●			●			●

DIN 5156



Parallel shank

Designation TIN	Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P2456905-G1/8	P24569-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3
P2456905-G1/4	P24569-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	12	4
P2456905-G3/8	P24569-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	12	4
P2456905-G1/2	P24569-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	15	4
	P24569-G5/8	G 5/8-14	22,911	14	125	18	78	18	14,5	17	4
P2456905-G3/4	P24569-G3/4	G 3/4-14	26,441	14	140	20	77	20	16	19	5
	P24569-G7/8	G 7/8-14	30,201	14	150	20	85	22	18	21	5
P2456905-G1	P24569-G1	G 1"-11	33,249	11	160	22	93	25	20	23	5
	P24569-G1.1/8	G 1.1/8-11	37,897	11	170	22	101	28	22	25	5
	P24569-G1.1/4	G 1.1/4-11	41,91	11	170	22	72	32	24	27	6
	P24569-G1.1/2	G 1.1/2-11	47,803	11	190	24	87	36	29	32	6
	P24569-G1.3/4	G 1.3/4-11	53,746	11	190	26	60	40	32	35	6
	P24569-G2	G 2"-11	59,614	11	220	28	87	45	35	38	6

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

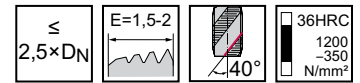
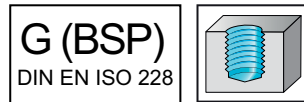
HSS-E machine taps

mm

Paradur® STE

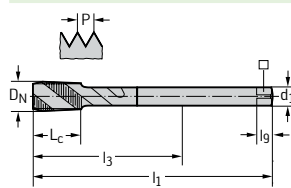


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●	●	●	●	●	●	●
uncoated	●	●	●	●	●	●	●

DIN 5156



Parallel shank

Designation THL	Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
2456062-G1/8	245606-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	4
2456062-G1/4	245606-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	12	5
2456062-G3/8	245606-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	12	5
2456062-G1/2	245606-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	15	5

C1

WALTER
SELECT

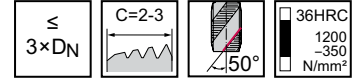
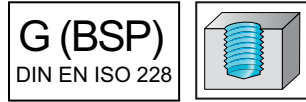
● ● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E (-PM) machine taps

TC142 Supreme

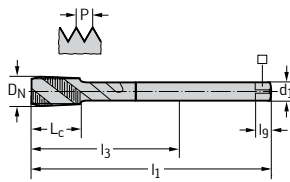


- WY80FC: Best chip control
- WW60RB: Best wear resistance



	P	M	K	N	S	H	O
WY80FC	●	●●					

DIN 5156



Parallel shank

Designation	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80FC
TC142-G1/8-L0-	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3	☹
TC142-G1/4-L0-	G 1/4-19	13,157	19	100	15	71	11	9	12	4	☹

Ordering example for the grade WY80FC: TC142-G1/4-L0-WY80FC

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

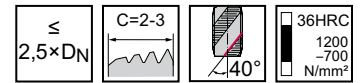
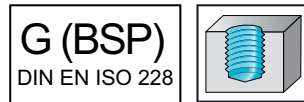
HSS-E machine taps

mm

Paradur® X-pert M

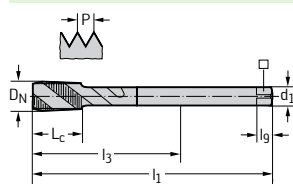


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●	●●					
VAP	●	●●					

DIN 5156



Parallel shank

Designation TIN	Designation VAP	D_N -P	D_N mm	Threads per inch	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_9 mm	N
M2456305-G1/8	M24563-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	3
M2456305-G1/4	M24563-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	4
M2456305-G3/8	M24563-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	4
M2456305-G1/2	M24563-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	4
	M24563-G5/8	G 5/8-14	22,911	14	125	18	78	18	14,5	4
M2456305-G3/4	M24563-G3/4	G 3/4-14	26,441	14	140	20	77	20	16	5
	M24563-G7/8	G 7/8-14	30,201	14	150	20	85	22	18	5
M2456305-G1	M24563-G1	G 1"-11	33,249	11	160	22	93	25	20	5

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

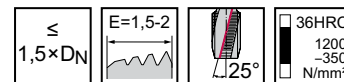
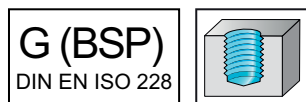
HSS-E machine taps

mm

Paradur Inox® 25

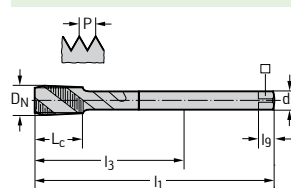


– For long-chipping materials



	P	M	K	N	S	H	O
TIN	●●	●●					

DIN 5156



Parallel shank

Designation TIN	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
2456315-G1/4	G 1/4-19	13,157	19	100	18	71	11	9	12	5
2456315-G3/8	G 3/8-19	16,662	19	100	22	58	12	9	12	5
2456315-G1/2	G 1/2-14	20,955	14	125	25	80	16	12	15	6
2456315-G3/4	G 3/4-14	26,441	14	140	28	77	20	16	19	6

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

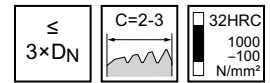
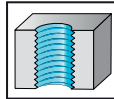
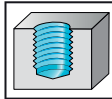
mm

Paradur® Eco CI



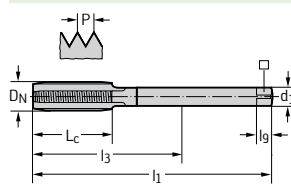
- For short-chipping materials
- Nitrided

G (BSP)
DIN EN ISO 228



	P	M	K	N	S	H	O
TICN			●●	●●			●●
NID			●●	●●			●●

DIN 5156



Parallel shank

Designation NID	Designation TICN	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E24364-G1/8	E2436406-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	4
E24364-G1/4	E2436406-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	4
E24364-G3/8	E2436406-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	5
E24364-G1/2	E2436406-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	5
E24364-G3/4	E2436406-G3/4	G 3/4-14	26,441	14	140	26	77	20	16	19	6
E24364-G1	E2436406-G1	G 1"-11	33,249	11	160	28	93	25	20	23	6
E24364-G1.1/4	E2436406-G1.1/4	G 1.1/4-11	41,91	11	170	28	72	32	24	27	6
	E2436406-G1.1/2	G 1.1/2-11	47,803	11	190	30	87	36	29	32	6

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

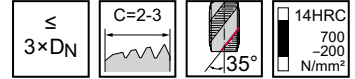
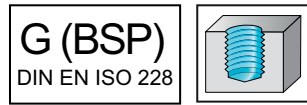
HSS-E machine taps

mm

Paradur® X-pert N

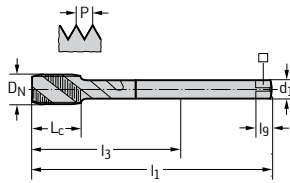


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 5156											
Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	
N24566-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3	



Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

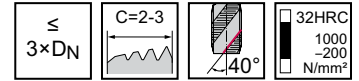
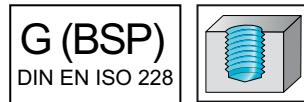
HSS-E machine taps

mm

Paradur® Uni

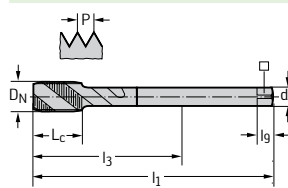


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●	●			

DIN 5156



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
7456770-G1/8	G 1/8-28	9,728	28	90	12	67	7	5,5	8	3
7456770-G1/4	G 1/4-19	13,157	19	100	15	71	11	9	12	4
7456770-G3/8	G 3/8-19	16,662	19	100	15	58	12	9	12	4
7456770-G1/2	G 1/2-14	20,955	14	125	18	80	16	12	15	4
7456770-G3/4	G 3/4-14	26,441	14	140	20	77	20	16	19	5
7456770-G1	G 1"-11	33,249	11	160	22	93	25	20	23	5

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

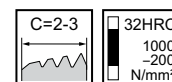
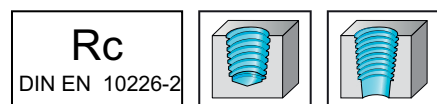
HSS-E machine taps

mm

Paradur® H

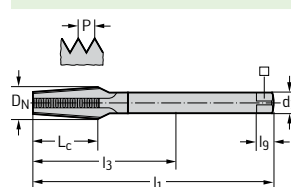


– For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated			●	●●			●

PWZ-NORM



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
24167-RC1/8	Rc 1/8-28	9,728	28	90	13	67	7	5,5	6	4
24167-RC1/4	Rc 1/4-19	13,157	19	100	20	71	11	9	9	4
24167-RC3/8	Rc 3/8-19	16,662	19	110	20	68	12	9	9	4
24167-RC1/2	Rc 1/2-14	20,955	14	125	26	80	16	12	12	5
24167-RC3/4	Rc 3/4-14	26,441	14	140	26	77	20	16	16	5
24167-RC1	Rc 1"-11	33,249	11	150	32	83	25	20	20	5
24167-RC1.1/4	Rc 1.1/4-11	41,91	11	160	32	62	32	24	24	6
24167-RC1.1/2	Rc 1.1/2-11	47,803	11	180	32	77	36	29	29	6

Taper ratio 1:16

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

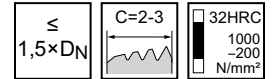
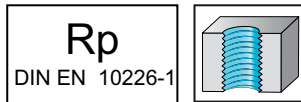
HSS-E machine taps

mm

Paradur® H

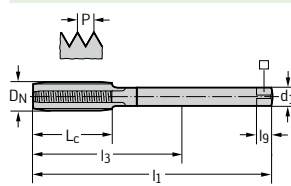


– For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated			●	●●			●

DIN 5156



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
243612-RP1/8	Rp 1/8-28	9,728	28	90	20	67	7	5,5	8	3
243612-RP1/4	Rp 1/4-19	13,157	19	100	21	71	11	9	12	4
243612-RP3/8	Rp 3/8-19	16,662	19	100	21	58	12	9	12	4
243612-RP1/2	Rp 1/2-14	20,955	14	125	24	80	16	12	15	4
243612-RP3/4	Rp 3/4-14	26,441	14	140	26	77	20	16	19	4
243612-RP1	Rp 1"-11	33,249	11	160	28	93	25	20	23	4
243612-RP1.1/2	Rp 1.1/2-11	47,803	11	190	30	87	36	29	32	6

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

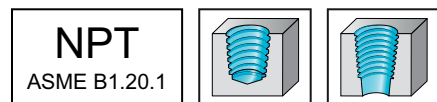
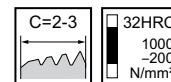
HSS-E machine taps

mm

Paradur® H

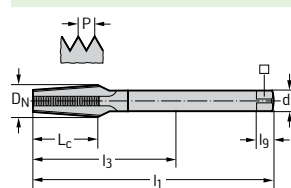


– For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated			●	●●			●

PWZ-NORM



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
25167-NPT1/16	NPT 1/16-27	7,717	27	80	14	56	8	6,2	6	3
25167-NPT1/8	NPT 1/8-27	10,065	27	90	14	61	11	9	9	3
25167-NPT1/4	NPT 1/4-18	13,372	18	100	20	56	14	11	11	3
25167-NPT3/8	NPT 3/8-18	16,812	18	110	20	65	16	12	12	4
25167-NPT1/2	NPT 1/2-14	20,947	14	125	26	78	18	14,5	15	4
25167-NPT3/4	NPT 3/4-14	26,292	14	140	26	75	22	18	18	5
25167-NPT1	NPT 1"-11.5	32,914	11,5	150	31	81	28	22	22	5
25167-NPT1.1/4	NPT 1.1/4-11.5	41,67	11,5	160	31	62	32	24	24	5
25167-NPT1.1/2	NPT 1.1/2-11.5	47,74	11,5	160	31	57	36	29	29	6
25167-NPT2	NPT 2"-11.5	59,778	11,5	180	31	47	45	35	35	7

Taper ratio 1:16

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

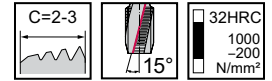
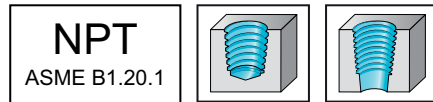
HSS-E machine taps

mm

Paradur® N

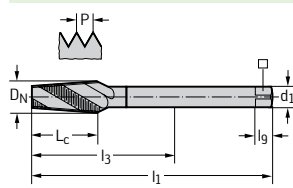


– For long-chipping materials



	P	M	K	N	S	H	O
VAP	●●		●●	●●			

PWZ-NORM



Parallel shank

Taper ratio 1:16

Designation VAP	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
25460-NPT1/16	NPT 1/16-27	7,717	27	80	14	56	8	6,2	6	3
25460-NPT1/8	NPT 1/8-27	10,065	27	90	14	61	11	9	9	3
25460-NPT1/4	NPT 1/4-18	13,372	18	100	20	56	14	11	11	3
25460-NPT3/8	NPT 3/8-18	16,812	18	110	20	65	16	12	12	4
25460-NPT1/2	NPT 1/2-14	20,947	14	125	26	78	18	14,5	15	4
25460-NPT3/4	NPT 3/4-14	26,292	14	140	26	75	22	18	18	5
25460-NPT1	NPT 1"-11.5	32,914	11,5	150	31	81	28	22	22	5

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

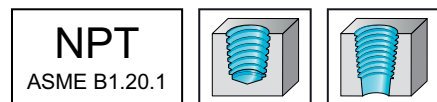
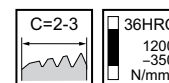
HSS-E machine taps

mm

Paradur Inox®

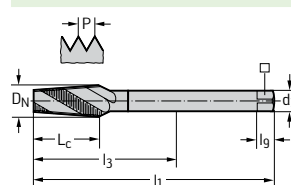


– For long-chipping materials



	P	M	K	N	S	H	O
THL	●●	●●	●				
VAP	●●	●●	●				

PWZ-NORM



Parallel shank

Taper ratio 1:16

Designation THL	Designation VAP	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	25567-NPT1/16	NPT 1/16-27	7,717	27	80	14	56	8	6,2	6	3
2556702-NPT1/8	25567-NPT1/8	NPT 1/8-27	10,065	27	90	14	61	11	9	9	4
2556702-NPT1/4	25567-NPT1/4	NPT 1/4-18	13,372	18	100	20	56	14	11	11	4
2556702-NPT3/8	25567-NPT3/8	NPT 3/8-18	16,812	18	110	20	65	16	12	12	5
2556702-NPT1/2	25567-NPT1/2	NPT 1/2-14	20,947	14	125	26	78	18	14,5	15	5
	25567-NPT3/4	NPT 3/4-14	26,292	14	140	26	75	22	18	18	5
	25567-NPT1	NPT 1"-11.5	32,914	11,5	150	31	81	28	22	22	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

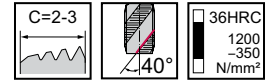
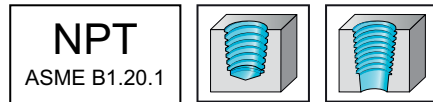
HSS-E machine taps

mm

Paradur Inox® 40

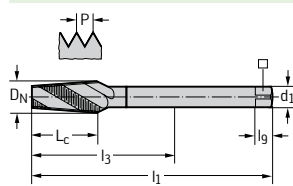


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●●	●	●			

PWZ-NORM



Parallel shank

Taper ratio 1:16

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
255630-NPT1/8	NPT 1/8-27	10,065	27	90	14	61	11	9	9	3
255630-NPT1/4	NPT 1/4-18	13,372	18	100	20	56	14	11	11	3
255630-NPT3/8	NPT 3/8-18	16,812	18	110	20	65	16	12	12	4
255630-NPT1/2	NPT 1/2-14	20,947	14	125	26	78	18	14,5	15	4

C1

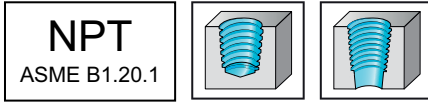
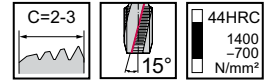
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

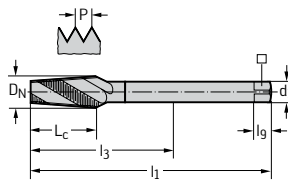
mm

Paradur® Ni



	P	M	K	N	S	H	O
TICN	●				●●		
uncoated	●				●●		

PWZ-NORM



Parallel shank

Taper ratio 1:16

Designation TICN	Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
2546706-NPT1/16	25467-NPT1/16	NPT 1/16-27	7,717	27	80	14	56	8	6,2	6	3
2546706-NPT1/8	25467-NPT1/8	NPT 1/8-27	10,065	27	90	14	61	11	9	9	4
2546706-NPT1/4	25467-NPT1/4	NPT 1/4-18	13,372	18	100	20	56	14	11	11	4
2546706-NPT3/8	25467-NPT3/8	NPT 3/8-18	16,812	18	110	20	65	16	12	12	5
2546706-NPT1/2	25467-NPT1/2	NPT 1/2-14	20,947	14	125	26	78	18	14,5	15	5
2546706-NPT3/4	25467-NPT3/4	NPT 3/4-14	26,292	14	140	26	75	22	18	18	5
2546706-NPT1	25467-NPT1	NPT 1"-11.5	32,914	11,5	150	31	81	28	22	22	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

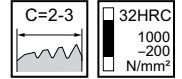
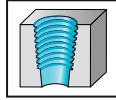
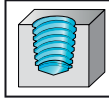
Paradur® H



– For long- and short-chipping materials

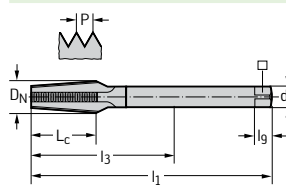
NPTF

ASME B1.20.3



	P	M	K	N	S	H	O
uncoated			●	●●			●

PWZ-NORM



Parallel shank

Taper ratio 1:16

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
26167-NPTF1/16	NPTF 1/16-27	7,635	27	80	14	56	8	6,2	6	3
26167-NPTF1/8	NPTF 1/8-27	9,982	27	90	14	61	11	9	9	3
26167-NPTF1/4	NPTF 1/4-18	13,313	18	100	20	56	14	11	11	3
26167-NPTF3/8	NPTF 3/8-18	16,752	18	110	20	65	16	12	12	4
26167-NPTF1/2	NPTF 1/2-14	20,921	14	125	26	78	18	14,5	15	4
26167-NPTF3/4	NPTF 3/4-14	26,267	14	140	26	75	22	18	18	5
26167-NPTF1	NPTF 1"-11.5	32,839	11,5	150	31	81	28	22	22	5

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

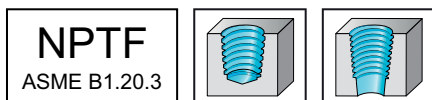
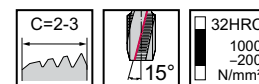
HSS-E machine taps

mm

Paradur® N

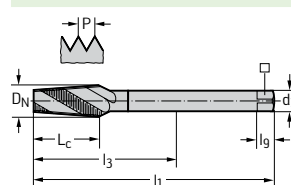


– For long-chipping materials



	P	M	K	N	S	H	O
VAP	●●		●●	●●			

PWZ-NORM



Designation VAP	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
26460-NPTF1/16	NPTF 1/16-27	7,635	27	80	14	56	8	6,2	6	3
26460-NPTF1/8	NPTF 1/8-27	9,982	27	90	14	61	11	9	9	3
26460-NPTF1/4	NPTF 1/4-18	13,313	18	100	20	56	14	11	11	3
26460-NPTF3/8	NPTF 3/8-18	16,752	18	110	20	65	16	12	12	4
26460-NPTF1/2	NPTF 1/2-14	20,921	14	125	26	78	18	14,5	15	4
26460-NPTF3/4	NPTF 3/4-14	26,267	14	140	26	75	22	18	18	5

Parallel shank

Taper ratio 1:16

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

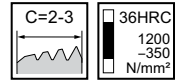
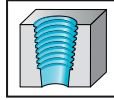
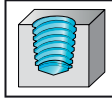
Paradur Inox®



– For long-chipping materials

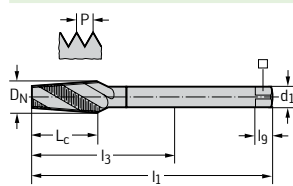
NPTF

ASME B1.20.3



	P	M	K	N	S	H	O
VAP	●●	●●	●				

PWZ-NORM



Designation VAP	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
26567-NPTF1/16	NPTF 1/16-27	7,635	27	80	14	56	8	6,2	6	3
26567-NPTF1/8	NPTF 1/8-27	9,982	27	90	14	61	11	9	9	4
26567-NPTF1/4	NPTF 1/4-18	13,313	18	100	20	56	14	11	11	4
26567-NPTF1/2	NPTF 1/2-14	20,921	14	125	26	78	18	14,5	15	5

Parallel shank

Taper ratio 1:16

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

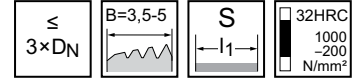
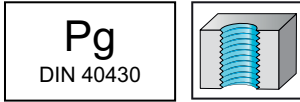
HSS-E taps, short

mm

KMB H

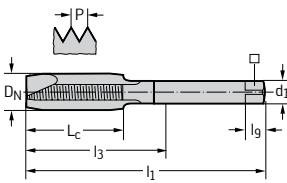


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			●

DIN 40432



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
27160-PG7	Pg 7-20	12,5	20	70	20	43	9	7	10	4
27160-PG9	Pg 9-18	15,2	18	70	20	28	12	9	12	4
27160-PG11	Pg 11-18	18,6	18	80	22	36	14	11	14	4
27160-PG13.5	Pg 13.5-18	20,4	18	80	22	35	16	12	15	4
27160-PG16	Pg 16-18	22,5	18	80	22	33	18	14,5	17	4
27160-PG21	Pg 21-16	28,3	16	90	22	25	22	18	21	4

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

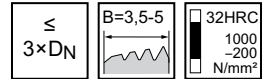
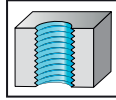
Prototex® X-pert P



– For long-chipping materials

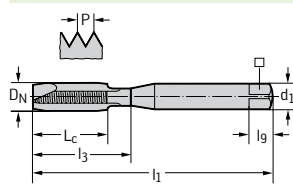
BSW
BS 84

mc



	P	M	K	N	S	H	O
uncoated	●●			●			●

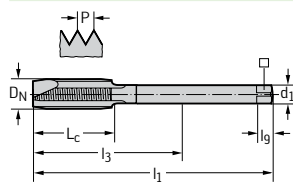
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P28210-BSW1/8	BSW 1/8-40	3,175	40	56	10	18	3,5	2,7	6	2
P28210-BSW3/16	BSW 3/16-24	4,763	24	70	13	25	6	4,9	8	2
P28210-BSW1/4	BSW 1/4-20	6,35	20	80	15	30	7	5,5	8	3
P28210-BSW5/16	BSW 5/16-18	7,938	18	90	18	35	8	6,2	9	3
P28210-BSW3/8	BSW 3/8-16	9,525	16	100	20	39	10	8	11	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
P28360-BSW7/16	BSW 7/16-14	11,113	14	100	20	76	8	6,2	9	3
P28360-BSW1/2	BSW 1/2-12	12,7	12	110	23	83	9	7	10	3
P28360-BSW5/8	BSW 5/8-11	15,875	11	110	25	68	12	9	12	3
P28360-BSW3/4	BSW 3/4-10	19,05	10	125	30	81	14	11	14	4
P28360-BSW7/8	BSW 7/8-9	22,225	9	140	30	93	18	14,5	17	4
P28360-BSW1	BSW 1"-8	25,4	8	160	36	113	18	14,5	17	4

C1

WALTER
SELECT

●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

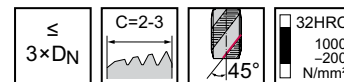
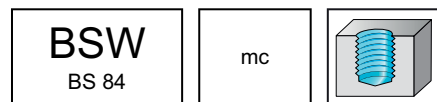
HSS-E machine taps

mm

Paradur® X-pert P

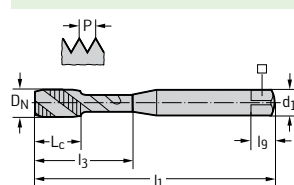


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

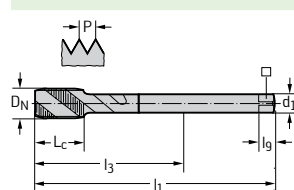
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P28519-BSW1/8	BSW 1/8-40	3,175	40	56	6	18	3,5	2,7	6	3
P28519-BSW3/16	BSW 3/16-24	4,763	24	70	8	25	6	4,9	8	3
P28519-BSW1/4	BSW 1/4-20	6,35	20	80	10	30	7	5,5	8	3
P28519-BSW5/16	BSW 5/16-18	7,938	18	90	12	35	8	6,2	9	3
P28519-BSW3/8	BSW 3/8-16	9,525	16	100	15	39	10	8	11	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P28569-BSW7/16	BSW 7/16-14	11,113	14	100	15	76	8	6,2	9	3
P28569-BSW1/2	BSW 1/2-12	12,7	12	110	18	83	9	7	10	3
P28569-BSW5/8	BSW 5/8-11	15,875	11	110	20	68	12	9	12	4
P28569-BSW3/4	BSW 3/4-10	19,05	10	125	25	81	14	11	14	4
P28569-BSW7/8	BSW 7/8-9	22,225	9	140	25	93	18	14,5	17	4
P28569-BSW1	BSW 1"-8	25,4	8	160	30	113	18	14,5	17	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

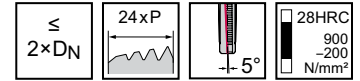
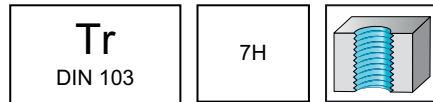
HSS-E trapezoidal taps

mm

TMB

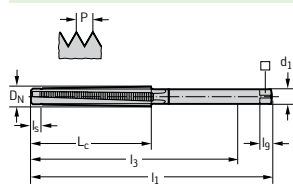


- Left-hand helix
- For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			●

PWZ-NORM



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
29100-TR8X1.5	Tr 8x1.5	1,5	90	45	67	6	4,9	8	3
29100-TR10X2	Tr 10x2	2	135	60	112	7	5,5	8	3
29100-TR10X3	Tr 10x3	3	145	90	122	7	5,5	8	3
29100-TR12X3	Tr 12x3	3	175	90	151	8	6,2	9	3
29100-TR14X3	Tr 14x3	3	180	90	152	10	8	11	3
29100-TR14X4	Tr 14x4	4	215	120	187	10	8	11	3
29100-TR16X4	Tr 16x4	4	220	120	191	11	9	12	3
29100-TR18X4	Tr 18x4	4	225	120	183	12	9	12	3
29100-TR20X4	Tr 20x4	4	230	120	186	14	11	14	3
29100-TR22X5	Tr 22x5	5	265	150	220	16	12	15	3
29100-TR24X5	Tr 24x5	5	275	150	228	18	14,5	17	3
29100-TR26X5	Tr 26x5	5	295	150	232	20	16	19	3

C1

WALTER
SELECT

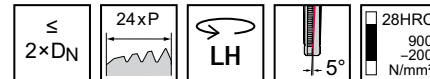
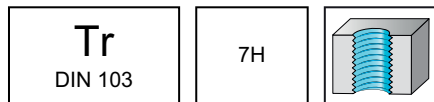
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E trapezoidal taps

mm

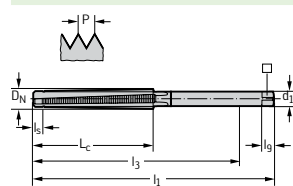
TMB


- Right-hand helix
- For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated	●●		●●	●●			●

PWZ-NORM



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
29900-TR12X3	Tr 12x3	3	175	90	151	8	6,2	9	3
29900-TR16X4	Tr 16x4	4	220	120	191	11	9	12	3

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

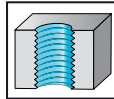
Prototex® X-pert P



– For long-chipping materials

EgM
DIN 8140

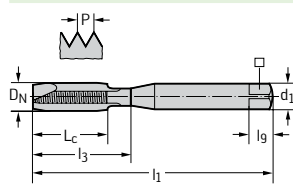
6H mod


 $\leq 3 \times D_N$
 $B=3,5-5$

 32HRC
1000
-200
N/mm²

	P	M	K	N	S	H	O
uncoated	●●			●			●

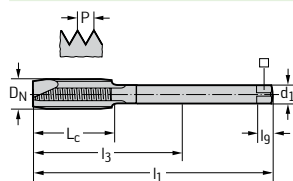
DIN 40435



Parallel shank

Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	$\square$ mm	l_g mm	N
P203009-EGM2.5	EGM 2.5	0,45	56	9	18	3,5	2,7	6	3
P203009-EGM3	EGM 3	0,5	63	12	21	4,5	3,4	6	3
P203009-EGM4	EGM 4	0,7	70	13	25	6	4,9	8	3
P203009-EGM5	EGM 5	0,8	80	15	30	6	4,9	8	3
P203009-EGM6	EGM 6	1	90	18	35	8	6,2	9	3
P203009-EGM8	EGM 8	1,25	100	20	39	10	8	11	3

DIN 40435



Parallel shank

Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	$\square$ mm	l_g mm	N
P203509-EGM10	EGM 10	1,5	100	21	73	9	7	10	3
P203509-EGM12	EGM 12	1,75	110	25	81	11	9	12	3
P203509-EGM16	EGM 16	2	125	30	81	14	11	14	4

C1

**WALTER
SELECT**

 ●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

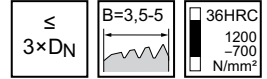
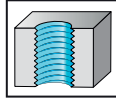
Prototex® X-pert M



– For long-chipping materials

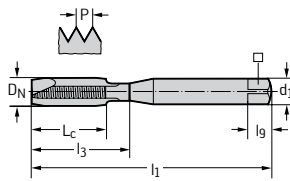
EgM
DIN 8140

6H mod



	P	M	K	N	S	H	O
VAP	●	●●					

DIN 40435



Parallel shank

Designation VAP	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
M203009-EGM2.5	EGM 2.5	0,45	56	9	18	3,5	2,7	6	2
M203009-EGM3	EGM 3	0,5	63	12	21	4,5	3,4	6	2
M203009-EGM4	EGM 4	0,7	70	13	25	6	4,9	8	3
M203009-EGM5	EGM 5	0,8	80	15	30	6	4,9	8	3
M203009-EGM6	EGM 6	1	90	18	35	8	6,2	9	3
M203009-EGM8	EGM 8	1,25	100	20	39	10	8	11	3

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

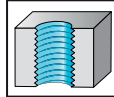
Prototex® TiNi



- Recommended with oil
- For long-chipping materials

EgM
LN 9499

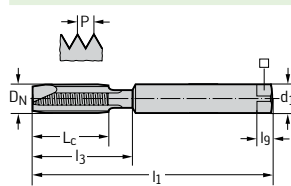
ISO1/4H


 $\leq 2 \times D_N$
 $B=3,5-5$

 44HRC
1400
~700
N/mm²

	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 40435



Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	$\square$ mm	l_9 mm	N
20207-EGM4	EGM 4	0,7	70	16	16	6	4,9	8	3
20207-EGM5	EGM 5	0,8	80	15	23	6	4,9	8	3
20207-EGM6	EGM 6	1	90	18	29	8	6,2	9	3
20207-EGM8	EGM 8	1,25	100	20	33	10	8	11	3

Parallel shank

EGM 4: Without reduced neck after the thread

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

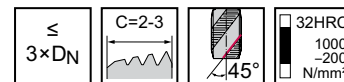
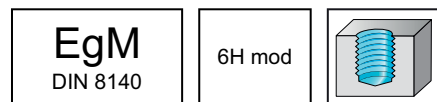
HSS-E machine taps

mm

Paradur® X-pert P

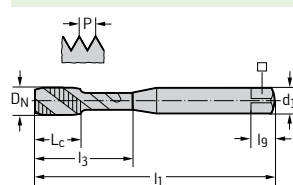


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●			●

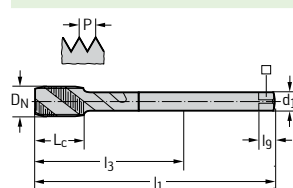
DIN 40435



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P205099-EGM2.5	EGM 2.5	0,45	56	6	18	3,5	2,7	6	3
P205099-EGM3	EGM 3	0,5	63	7	21	4,5	3,4	6	3
P205099-EGM4	EGM 4	0,7	70	8	25	6	4,9	8	3
P205099-EGM5	EGM 5	0,8	80	10	30	6	4,9	8	3
P205099-EGM6	EGM 6	1	90	12	35	8	6,2	9	3
P205099-EGM8	EGM 8	1,25	100	15	39	10	8	11	3

DIN 40435



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
P205599-EGM10	EGM 10	1,5	100	13	73	9	7	10	4
P205599-EGM12	EGM 12	1,75	110	20	81	11	9	12	4
P205599-EGM14	EGM 14	2	110	20	68	12	9	12	4
P205599-EGM16	EGM 16	2	125	25	81	14	11	14	4
P205599-EGM20	EGM 20	2,5	160	25	113	18	14,5	17	4
P205599-EGM24	EGM 24	3	160	30	97	20	16	19	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

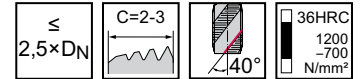
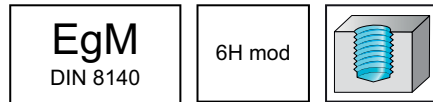
HSS-E machine taps

mm

Paradur® X-pert M

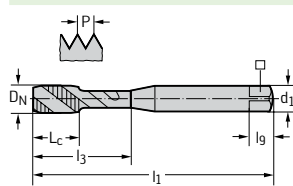


– For long-chipping materials



	P	M	K	N	S	H	O
VAP	●	●●	●	●	●	●	●

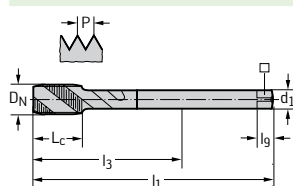
DIN 40435



Parallel shank

Designation VAP	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M205049-EGM2.5	EGM 2.5	0,45	56	6	18	3,5	2,7	6	3
M205049-EGM3	EGM 3	0,5	63	7	21	4,5	3,4	6	3
M205049-EGM4	EGM 4	0,7	70	8	25	6	4,9	8	3
M205049-EGM5	EGM 5	0,8	80	10	30	6	4,9	8	3
M205049-EGM6	EGM 6	1	90	12	35	8	6,2	9	3
M205049-EGM8	EGM 8	1,25	100	15	39	10	8	11	3

DIN 40435



Parallel shank

Designation VAP	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M205549-EGM10	EGM 10	1,5	100	13	73	9	7	10	4
M205549-EGM12	EGM 12	1,75	110	20	81	11	9	12	4
M205549-EGM14	EGM 14	2	110	20	68	12	9	12	4
M205549-EGM16	EGM 16	2	125	25	81	14	11	14	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

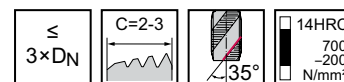
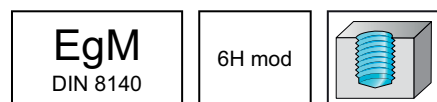
HSS-E machine taps

mm

Paradur® X-pert N

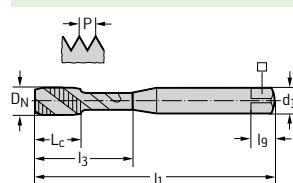


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

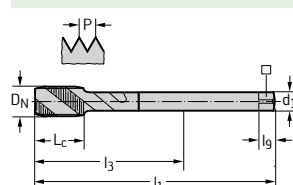
DIN 40435



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
N205069-EGM2.5	EGM 2.5	0,45	56	6	18	3,5	2,7	6	2
N205069-EGM3	EGM 3	0,5	63	7	21	4,5	3,4	6	2
N205069-EGM4	EGM 4	0,7	70	8	25	6	4,9	8	2
N205069-EGM5	EGM 5	0,8	80	10	30	6	4,9	8	3
N205069-EGM6	EGM 6	1	90	12	35	8	6,2	9	3
N205069-EGM8	EGM 8	1,25	100	15	39	10	8	11	3

DIN 40435



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
N205569-EGM10	EGM 10	1,5	100	13	73	9	7	10	3
N205569-EGM12	EGM 12	1,75	110	20	81	11	9	12	3
N205569-EGM16	EGM 16	2	125	25	81	14	11	14	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

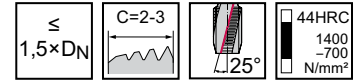
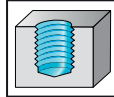
Paradur® Ni



– For long-chipping materials

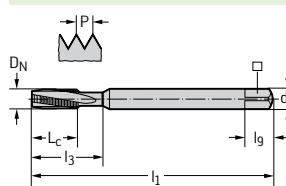
EgM
LN 9499

ISO1/4H



	P	M	K	N	S	H	O
uncoated	●●		●●	●	●		

~DIN 40435



Parallel shank

Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_9 mm	N
204089-EGM4	EGM 4	0,7	70	16	16	6	4,9	8 3
204089-EGM5	EGM 5	0,8	80	15	23	6	4,9	8 3
204089-EGM6	EGM 6	1	90	18	29	8	6,2	9 3
204089-EGM8	EGM 8	1,25	100	20	33,5	10	8	11 4

EGM 4: Without reduced neck after the thread

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

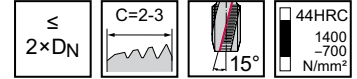
HSS-E PM machine taps

mm

Paradur® Ti



- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 40435	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	204069-EGM4	EGM 4	0,7	70	16	16	6	4,9	8	3
	204069-EGM5	EGM 5	0,8	80	15	23	6	4,9	8	3
	204069-EGM6	EGM 6	1	90	18	29	8	6,2	9	3
	204069-EGM8	EGM 8	1,25	100	20	33,5	10	8	11	3

Parallel shank

EGM 4: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

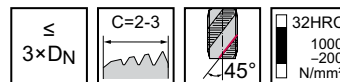
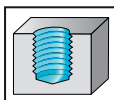
Paradur® X-pert P



– For long-chipping materials

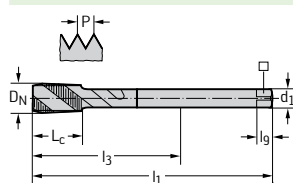
EgMF
DIN 8140

6H mod



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 40435



Parallel shank

Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	l_9 mm	N
P215599-EGM8X1	EGMF 8x1	1	90	12	67	7	5,5	3
P215599-EGM10X1	EGMF 10x1	1	100	13	73	9	7	3
P215599-EGM12X1.5	EGMF 12x1.5	1,5	100	15	71	11	9	4
P215599-EGM14X1.5	EGMF 14x1.5	1,5	100	15	58	12	9	4
P215599-EGM16X1.5	EGMF 16x1.5	1,5	110	17	66	14	11	4

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

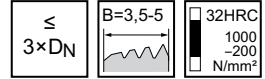
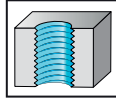
Prototex® X-pert P



– For long-chipping materials

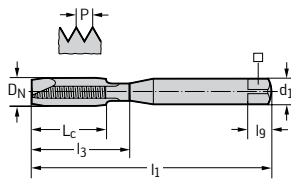
EgUNC
NASM 33537

3B



	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
P223009-EGUNC6	EGUNC #6-32	4,536	70	13	25	6	4,9	8	3
P223009-EGUNC8	EGUNC #8-32	5,197	80	15	30	6	4,9	8	3
P223009-EGUNC10	EGUNC #10-24	6,201	80	15	30	7	5,5	8	3
P223009-EGUNC1/4	EGUNC 1/4-20	8	90	18	35	8	6,2	9	3

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

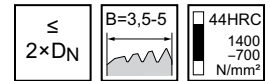
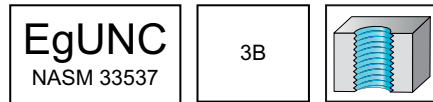
HSS-E PM machine taps

mm

Prototex® TiNi

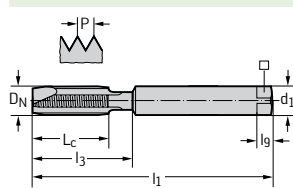


- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

DIN 2184-1



Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
222079-EGUNC4	EGUNC #4-40	3,67	63	13	13	4,5	3,4	6	3
222079-EGUNC6	EGUNC #6-32	4,536	70	16	16	6	4,9	8	3
222079-EGUNC8	EGUNC #8-32	5,197	80	15	23	6	4,9	8	3

Parallel shank

≤ EGUNC 6: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

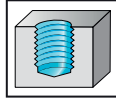
Paradur® X-pert P



– For long-chipping materials

EgUNC
NASM 33537

3B


 $\leq 3 \times D_N$

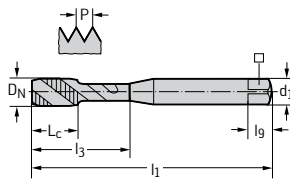
C=2-3

45°

32HRC
1000
-200
N/mm²

	P	M	K	N	S	H	O
uncoated	●●			●			●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P225099-EGUNC6	EGUNC #6-32	4,536	70	8	25	6	4,9	8	3
P225099-EGUNC8	EGUNC #8-32	5,197	80	10	30	6	4,9	8	3
P225099-EGUNC10	EGUNC #10-24	6,201	80	10	30	7	5,5	8	3
P225099-EGUNC1/4	EGUNC 1/4-20	8	90	12	35	8	6,2	9	3

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

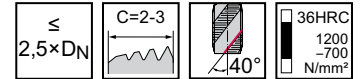
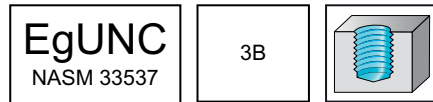
HSS-E machine taps

mm

Paradur® X-pert M

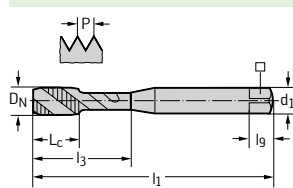


– For long-chipping materials



	P	M	K	N	S	H	O
VAP	●	●●	●	●	●	●	●

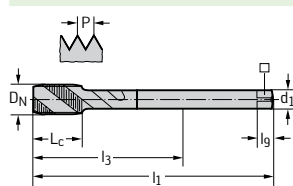
DIN 2184-1



Parallel shank

Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
M225049-EGUNC4	EGUNC #4-40	3,67	63	7	21	4,5	3,4	6	3
M225049-EGUNC6	EGUNC #6-32	4,536	70	8	25	6	4,9	8	3
M225049-EGUNC8	EGUNC #8-32	5,197	80	10	30	6	4,9	8	3
M225049-EGUNC10	EGUNC #10-24	6,201	80	10	30	7	5,5	8	3
M225049-EGUNC1/4	EGUNC 1/4-20	8	90	12	35	8	6,2	9	3

DIN 2184-1



Parallel shank

Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
M225549-EGUNC5/16	EGUNC 5/16-18	9,771	100	15	77	7	5,5	8	3
M225549-EGUNC3/8	EGUNC 3/8-16	11,587	100	13	73	9	7	10	3
M225549-EGUNC1/2	EGUNC 1/2-13	15,238	110	20	68	12	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

HSS-E machine taps

mm

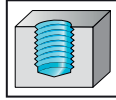
Paradur® X-pert N



– For long-chipping materials

EgUNC
NASM 33537

3B


 $\leq 3 \times D_N$

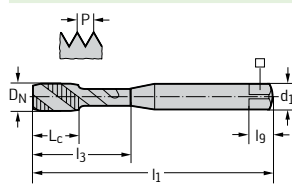
C=2-3

 $\angle 35^\circ$

14HRC
700
-200
N/mm²

	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
N225069-EGUNC6	EGUNC #6-32	4,536	70	8	25	6	4,9	8	2
N225069-EGUNC8	EGUNC #8-32	5,197	80	10	30	6	4,9	8	2
N225069-EGUNC10	EGUNC #10-24	6,201	80	10	30	7	5,5	8	2
N225069-EGUNC1/4	EGUNC 1/4-20	8	90	12	35	8	6,2	9	2

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

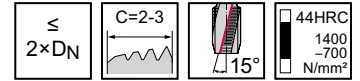
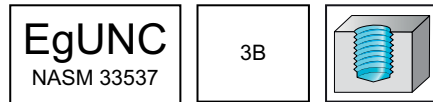
HSS-E PM machine taps

mm

Paradur® Ti



- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1		Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
	224069-EGUNC4	EGUNC #4-40		3,67	63	13	13	4,5	3,4	6	3
	224069-EGUNC6	EGUNC #6-32		4,536	70	16	16	6	4,9	8	3
	224069-EGUNC8	EGUNC #8-32		5,197	80	15	23	6	4,9	8	3

Parallel shank

≤ EGUNC 6: Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine taps

mm

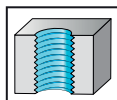
Prototex® X-pert P



– For long-chipping materials

EgUNF
NASM 33537

3B

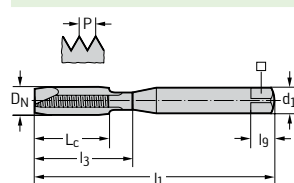

 $\leq 3 \times D_N$

B=3,5-5

32HRC
1000
-200
N/mm²

	P	M	K	N	S	H	O
uncoated	●●			●			●

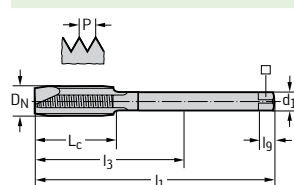
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P233009-EGUNF6	EGUNF #6-40	4,33	70	13	25	6	4,9	8	3
P233009-EGUNF10	EGUNF #10-32	5,857	80	15	30	6	4,9	8	3
P233009-EGUNF8	EGUNF #8-36	5,083	80	15	30	6	4,9	8	3
P233009-EGUNF1/4	EGUNF 1/4-28	7,528	90	18	35	8	6,2	9	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P233509-EGUNF5/16	EGUNF 5/16-24	9,313	90	20	67	7	5,5	8	3
P233509-EGUNF3/8	EGUNF 3/8-24	10,9	90	20	66	8	6,2	9	3
P233509-EGUNF7/16	EGUNF 7/16-20	12,763	100	21	73	9	7	10	4
P233509-EGUNF1/2	EGUNF 1/2-20	14,35	100	21	71	11	9	12	4

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

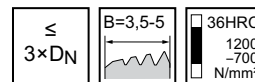
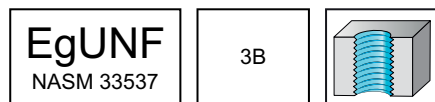
HSS-E machine taps

mm

Prototex® X-pert M

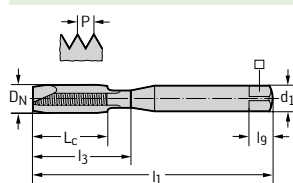


– For long-chipping materials



	P	M	K	N	S	H	O
VAP	●	●●					

DIN 2184-1



Parallel shank

Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
M233009-EGUNF10	EGUNF #10-32	5,857	80	15	30	6	4,9	8	3
M233009-EGUNF8	EGUNF #8-36	5,083	80	15	30	6	4,9	8	3
M233009-EGUNF1/4	EGUNF 1/4-28	7,528	90	18	35	8	6,2	9	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

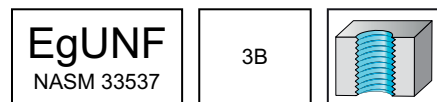
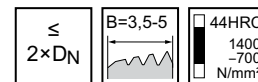
HSS-E PM machine taps

mm

Prototex® TiNi



- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●●	●●	●●	●●	●●	●●

~DIN 2184-1	Designation									
	uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	232079-EGUNF10	EGUNF #10-32	5,857	80	15	23	6	4,9	8	3
	232079-EGUNF1/4	EGUNF 1/4-28	7,528	90	18	29,5	8	6,2	9	3
	232079-EGUNF5/16	EGUNF 5/16-24	9,313	100	20	33,5	10	8	11	3
Parallel shank										

DIN 2184-1	Designation									
	uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
	232579-EGUNF3/8	EGUNF 3/8-24	10,9	100	20	76	8	6,2	9	3
Parallel shank										

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

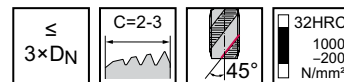
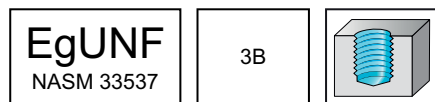
HSS-E machine taps

mm

Paradur® X-pert P

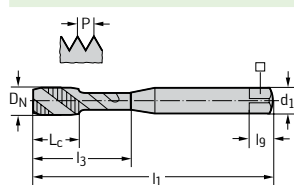


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●	●	●	●	●	●	●

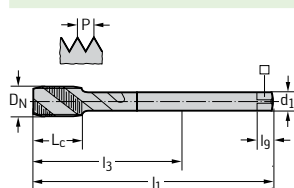
DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
P235099-EGUNF6	EGUNF #6-40	4,33	70	8	25	6	4,9	8	3
P235099-EGUNF8	EGUNF #8-36	5,083	80	10	30	6	4,9	8	3
P235099-EGUNF10	EGUNF #10-32	5,857	80	10	30	6	4,9	8	3
P235099-EGUNF1/4	EGUNF 1/4-28	7,528	90	12	35	8	6,2	9	3

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	d ₁ h9 mm	□ mm	l _g mm	N
P235599-EGUNF5/16	EGUNF 5/16-24	9,313	90	12	7	5,5	8	3
P235599-EGUNF3/8	EGUNF 3/8-24	10,9	90	15	8	6,2	9	3
P235599-EGUNF7/16	EGUNF 7/16-20	12,763	100	13	9	7	10	4
P235599-EGUNF1/2	EGUNF 1/2-20	14,35	100	15	11	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

HSS-E machine taps

mm

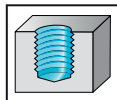
Paradur® X-pert M



– For long-chipping materials

EgUNF
NASM 33537

3B


 $\leq 2,5 \times D_N$

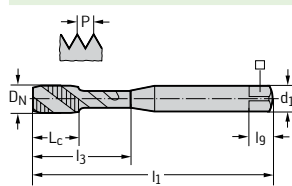
C=2-3

40°

36HRC
1200
~700
N/mm²

	P	M	K	N	S	H	O
VAP	●	●●					

DIN 2184-1



Parallel shank

Designation VAP	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
M235049-EGUNF10	EGUNF #10-32	5,857	80	10	30	6	4,9	8	3
M235049-EGUNF1/4	EGUNF 1/4-28	7,528	90	12	35	8	6,2	9	3

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

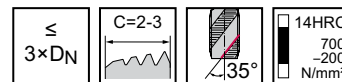
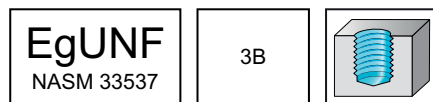
HSS-E machine taps

mm

Paradur® X-pert N

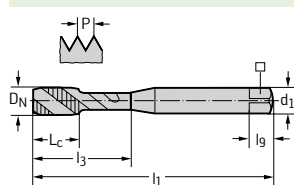


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated				●●	●		●

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
N235069-EGUNF10	EGUNF #10-32	5,857	80	10	30	6	4,9	8	2
N235069-EGUNF1/4	EGUNF 1/4-28	7,528	90	12	35	8	6,2	9	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E PM machine taps

mm

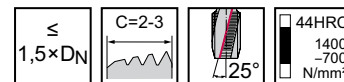
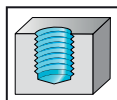
Paradur® Ni



– For long-chipping materials

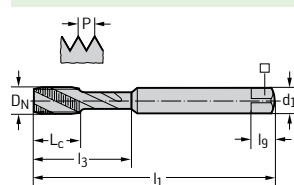
EgUNF
NASM 33537

3B



	P	M	K	N	S	H	O
uncoated	●●		●●	●●	●		

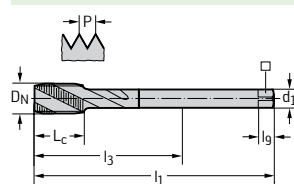
~DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
234079-EGUNF10	EGUNF #10-32	5,857	80	15	23	6	4,9	8	3
234079-EGUNF1/4	EGUNF 1/4-28	7,528	90	18	29,5	8	6,2	9	3
234079-EGUNF5/16	EGUNF 5/16-24	9,313	100	20	33,5	10	8	11	4

DIN 2184-1



Parallel shank

Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
234579-EGUNF3/8	EGUNF 3/8-24	10,9	100	20	76	8	6,2	9	4

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

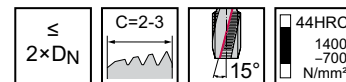
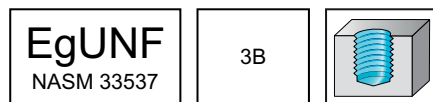
HSS-E PM machine taps

mm

Paradur® Ti



- Recommended with oil
- For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●●			●	●●		

~DIN 2184-1		Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		234069-EGUNF10	EGUNF #10-32	5,857	80	15	23	6	4,9	8	3
		234069-EGUNF1/4	EGUNF 1/4-28	7,528	90	18	29,5	8	6,2	9	3
		234069-EGUNF5/16	EGUNF 5/16-24	9,313	100	20	33,5	10	8	11	3
Parallel shank											

DIN 2184-1		Designation uncoated	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
		234569-EGUNF3/8	EGUNF 3/8-24	10,9	100	20	76	8	6,2	9	4
Parallel shank											

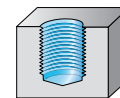
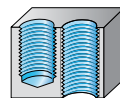
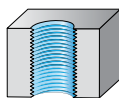
C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

Solid carbide taps

Machining



Thread depth

 $2 \times D_N$
 $2 \times D_N$
 $2 \times D_N$
 $3 \times D_N$
 $1,5 \times D_N$


Designation

Prototex® HSC

TC388 Supreme

TC389 Supreme

Paradur® HS

Paradur® N

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

UNC / UNF / UN-8

✓

G / Rc / Rp

✓

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6HX

6HX / NORMAL

6HX

2B / 6H

6H

Coolant supply

Precision cooling

External

External

External

External

Chamfer form

B

C

D

C

C

Coating / grade

TiCN

WJ30TU

WE10TU

TiCN / uncoated

TiCN / uncoated

Cutting tool material

VHM

VHM

VHM

VHM

VHM

P Steel

●●

●●

M Stainless steel

K Cast iron

●●

●

●●

N NF metals

●●

●●

S Materials with difficult cutting properties

●

●

●

H Hard materials

●●

●●

●

O Other

●●

●

Page in catalogue

C 280

C 288

C 289

C 286

C 282



QR code

www.walter-tools.com/woc/

prototex-hsc

TC388

TC389

paradur-hs

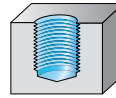
paradur-n

WALTER SELECT

●● Primary application ● Other application

Solid carbide taps

Machining



Thread depth

2 x D_N3 x D_N3 x D_N3,5 x D_N3,5 x D_N

Designation	Paradrur® HSC	Paradrur® Engine	Paradrur® HS	Paradrur® GG	Paradrur® N
Thread type					
M	✓	✓	✓	✓	✓
MF	✓	✓		✓	
UNC / UNF / UN-8					
G / Rc / Rp					
MJ / UNJC / UNJF					
NPT / NPTF					
Pg / BSW / Tr					
Indexable inserts basic shape					
Tolerance	6HX	6HX	6H	6HX	6H
Coolant supply	axial	axial	axial	axial	axial
Chamfer form	C	E	C	C	C
Coating / grade	TICN	uncoated	TICN	TAFT / uncoated	uncoated
Cutting tool material	VHM	VHM	VHM	VHM	VHM
P Steel	●●				
M Stainless steel					
K Cast iron	●●	●●	●	●●	●●
N NF metals		●●	●●	●	●●
S Materials with difficult cutting properties			●		
H Hard materials	●●		●		
O Other			●●	●	●
Page in catalogue	C 281	C 285	C 287	C 284	C 283
QR code					
	paradrur-hsc	paradrur-engine	paradrur-hs	paradrur-gg	paradrur-n

www.walter-tools.com/woc/

WALTER SELECT

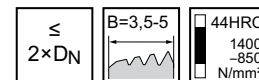
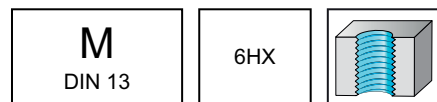
●● Primary application ● Other application

Solid carbide machine taps

mm

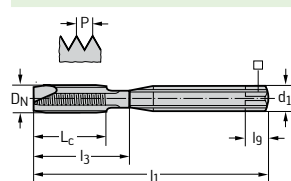
Prototex® HSC

- For long-chipping materials
- Cooling grooves on the shank



	P	M	K	N	S	H	O
TICN	●●		●●				

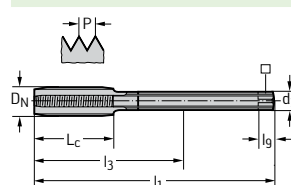
DIN 371



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
8021006-M6	M 6	1	80	19	30	6	4,9	8	3
8021006-M8	M 8	1,25	90	22	35	8	6,2	9	4
8021006-M10	M 10	1,5	100	24	39	10	8	11	4

DIN 376



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
8026006-M12	M 12	1,75	110	23	83	9	7	10	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

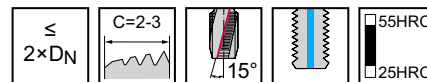
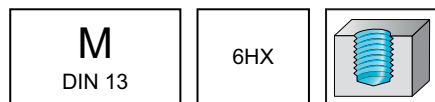
Solid carbide machine taps

mm

Paradur® HSC

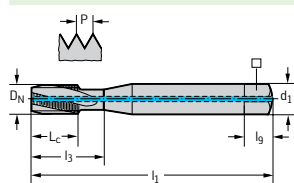


– For long- and short-chipping materials



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●

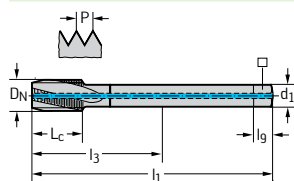
DIN 371



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
8041056-M6	M 6	1	80	15	30	6	4,9	8	3
8041056-M8	M 8	1,25	90	20	35	8	6,2	9	3
8041056-M10	M 10	1,5	100	25	39	10	8	11	3

DIN 376



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
8046056-M12	M 12	1,75	110	23	83	9	7	10	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

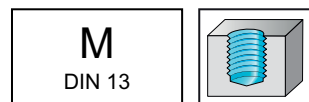
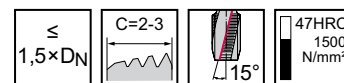
Solid carbide machine taps

mm

Paradur® N



– For long- and short-chipping materials



	P	M	K	N	S	H	O
TICN	●●		●●	●●			●
uncoated	●●		●●	●●			●

~DIN 371	Designation TICN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
	8041006-M3	80410-M3	M 3	0,5	56	10	10	3,5	2,7	6	3
	8041006-M4	80410-M4	M 4	0,7	63	13	13	4,5	3,4	6	3
	8041006-M5	80410-M5	M 5	0,8	70	16	16	6	4,9	8	3
	8041006-M6	80410-M6	M 6	1	80	19	30	6	4,9	8	3
	8041006-M8	80410-M8	M 8	1,25	90	22	35	8	6,2	9	3
		80410-M10	M 10	1,5	100	24	39	10	8	11	3

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

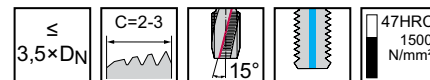
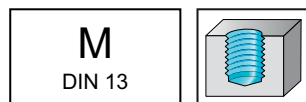
Solid carbide machine taps

mm

Paradur® N

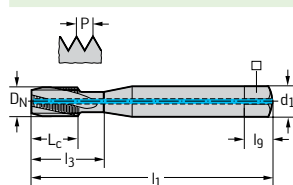


– For long- and short-chipping materials



	P	M	K	N	S	H	O
uncoated			●●	●●			●

DIN 371

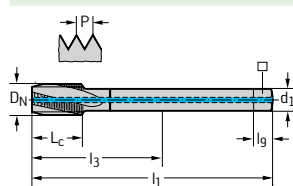


Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
804101-M5	M 5	0,8	70	16	16	6	4,9	8	3
804101-M6	M 6	1	80	19	30	6	4,9	8	3
804101-M8	M 8	1,25	90	22	35	8	6,2	9	3
804101-M10	M 10	1,5	100	24	39	10	8	11	3

M 5: Without reduced neck after the thread

DIN 376



Parallel shank

Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
804601-M12	M 12	1,75	110	23	83	9	7	10	3

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

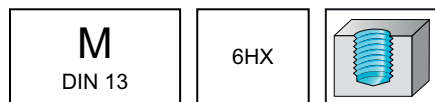
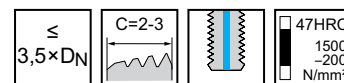
Solid carbide machine taps

mm

Paradur® GG

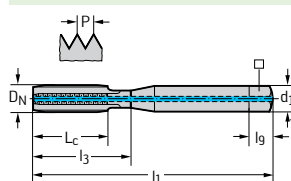


– For short-chipping materials



	P	M	K	N	S	H	O
TAPT			●●	●			●
uncoated			●●	●			●

DIN 371



Parallel shank

M 5: Without reduced neck after the thread

Designation TAPT	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	mm	l _g mm	N
8031417-M5	803141-M5	M 5	0,8	70	16	16	6	4,9	8	4
8031417-M6	803141-M6	M 6	1	80	19	30	6	4,9	8	4
8031417-M8	803141-M8	M 8	1,25	90	22	35	8	6,2	9	4
8031417-M10	803141-M10	M 10	1,5	100	24	39	10	8	11	4

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

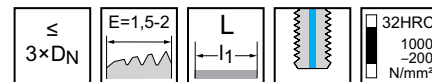
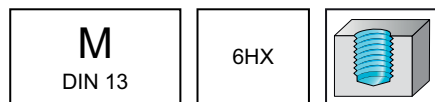
Solid carbide machine taps

mm

Paradur® Engine



– Suitable coating according to requirements



	P	M	K	N	S	H	O
uncoated			●●	●●			

~DIN 371 L										
	Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	l_g mm	l_9 mm	N
	8031310-M6	M 6	1	80	15	30	6	4,9	8	3
	8031310-M7	M 7	1	100	15	30	7	5,5	8	3
	8031310-M8	M 8	1,25	120	18	35	8	6,2	9	3
	8031310-M10	M 10	1,5	140	20	39	10	8	11	3

Parallel shank

~DIN 376 L										
	Designation uncoated	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	l_g mm	l_9 mm	N
	8036310-M12	M 12	1,75	140	23	113	9	7	10	4

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

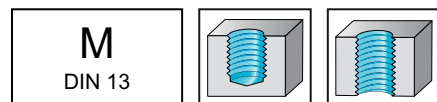
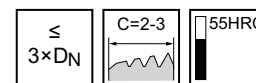
Solid carbide machine taps

mm

Paradur® HS



– For short-chipping materials



	P	M	K	N	S	H	O
TICN			●	●●	●	●	●●
uncoated			●	●●	●	●	●●

~DIN 371	Designation TICN	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
	8031106-M3	80311-M3	M 3	0,5	56	10	35	3,5	2,7	6	3
	8031106-M4	80311-M4	M 4	0,7	63	13	42	4,5	3,4	6	3
	8031106-M5	80311-M5	M 5	0,8	70	16	47	6	4,9	8	3
	8031106-M6	80311-M6	M 6	1	80	20	57	6	4,9	8	3
	8031106-M8	80311-M8	M 8	1,25	90	25	66	8	6,2	9	3
	8031106-M10		M 10	1,5	100	30	72	10	8	11	3
	8031106-M12		M 12	1,75	110	36	68	12	9	12	3
Parallel shank											

Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

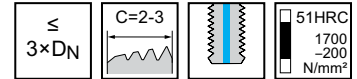
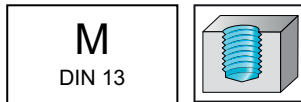
Solid carbide machine taps

mm

Paradur® HS



– For short-chipping materials



	P	M	K	N	S	H	O
TICN			●	●●	●	●	●●

~DIN 371										
	Designation	D_N	P	l_1	L_c	l_3	d_1	$\square$	l_g	N
	TICN	mm	mm	mm	mm	mm	h6 mm	mm	mm	
	8031116-M5	M 5	0,8	70	16	16	6	4,9	8	3
	8031116-M6	M 6	1	80	19	30	6	4,9	8	3
	8031116-M7	M 7	1	80	19	30	7	5,5	8	3
	8031116-M8	M 8	1,25	90	22	35	8	6,2	9	3
	8031116-M10	M 10	1,5	100	24	39	10	8	11	3

Parallel shank

M 5: Without reduced neck after the thread

C1

WALTER
SELECT

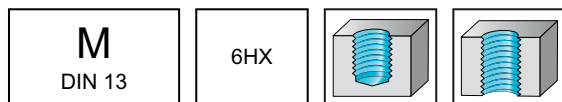
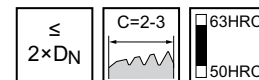
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide machine taps

TC388 Supreme



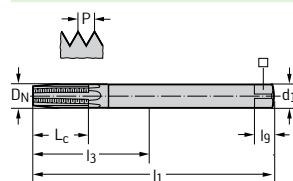
- Taps for hardened materials
- Drill core hole at upper tolerance end



	P	M	K	N	S	H	O
WJ30TU					●	●●	

~DIN 371

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N	WJ30TU
TC388-M3-C0-	M 3	0,5	56	8	35	3,5	2,7	6	4	☺
TC388-M4-C0-	M 4	0,7	63	11	42	4,5	3,4	6	5	☺
TC388-M5-C0-	M 5	0,8	70	13,5	47	6	4,9	8	5	☺
TC388-M6-C0-	M 6	1	80	16,5	57	6	4,9	8	5	☺
TC388-M8-C0-	M 8	1,25	90	21,5	66	8	6,2	9	5	☺
TC388-M10-C0-	M 10	1,5	100	27	72	10	8	11	5	☺
TC388-M12-C0-	M 12	1,75	110	32	68	12	9	12	6	☺
TC388-M16-C0-	M 16	2	110	41	65	16	12	15	6	☺



Parallel shank

Without reduced neck after the thread
Ordering example for the grade WJ30TU: TC388-M10-C0-WJ30TU

C1

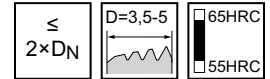
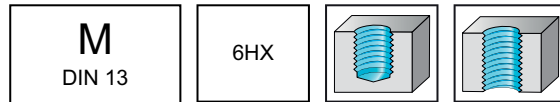
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide machine taps

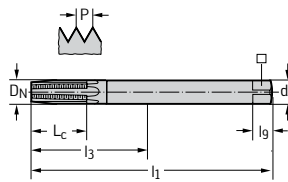
TC389 Supreme 

- Taps for hardened materials
- Drill core hole at upper tolerance end



	P	M	K	N	S	H	O
WE10TU					●	●●	

~DIN 371										
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N	WE10TU
TC389-M3-CD-	M 3	0,5	56	9	35	3,5	2,7	6	4	☺
TC389-M4-CD-	M 4	0,7	63	12	42	4,5	3,4	6	5	☺
TC389-M5-CD-	M 5	0,8	70	14,5	47	6	4,9	8	5	☺
TC389-M6-CD-	M 6	1	80	18	57	6	4,9	8	5	☺
TC389-M8-CD-	M 8	1,25	90	23,5	66	8	6,2	9	5	☺
TC389-M10-CD-	M 10	1,5	100	29	72	10	8	11	5	☺
TC389-M12-CD-	M 12	1,75	110	34,5	68	12	9	12	6	☺
TC389-M16-CD-	M 16	2	110	44	65	16	12	15	6	☺



Parallel shank

Without reduced neck after the thread
 Ordering example for the grade WE10TU: TC389-M10-CD-WE10TU

C1

**WALTER
SELECT**

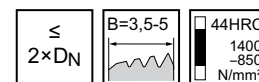
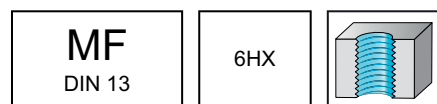
●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide machine taps

mm

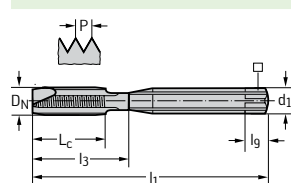
Prototex® HSC

- For long-chipping materials
- Cooling grooves on the shank



TICN	P	M	K	N	S	H	O
	●●		●●				

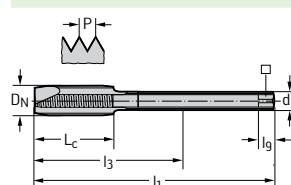
DIN 371



Parallel shank

Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
8121006-M8X1	MF 8x1	1	90	22	35	8	6,2	9	4
8121006-M10X1	MF 10x1	1	90	24	39	10	8	11	4

DIN 374



Parallel shank

Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
8126006-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	5
8126006-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	5
8126006-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	5

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

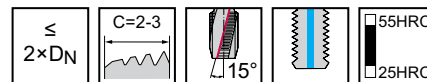
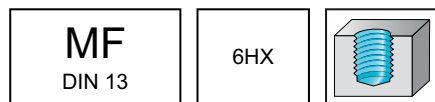
Solid carbide machine taps

mm

Paradur® HSC



– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●

~DIN 371

Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
8141056-M6X0.75	MF 6x0.75	0,75	80	15	30	6	4,9	8	3
8141056-M8X1	MF 8x1	1	90	20	35	8	6,2	9	3
8141056-M10X1	MF 10x1	1	90	25	39	10	8	11	3

DIN 374

Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
8146056-M12X1	MF 12x1	1	100	20	73	9	7	10	3
8146056-M12X1.5	MF 12x1.5	1,5	100	20	73	9	7	10	4
8146056-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	4
8146056-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	4

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

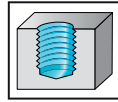
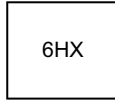
Solid carbide machine taps

mm

Paradur® GG

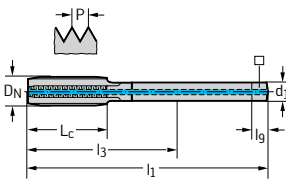


– For short-chipping materials



	P	M	K	N	S	H	O
TAPT			●●	●			●

DIN 374



Parallel shank

Designation TAPT	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	$\square$ mm	l_9 mm	N
8136417-M8X1	MF 8x1	1	90	12	67	6	4,9	8	4
8136417-M10X1	MF 10x1	1	90	14	67	7	5,5	8	4
8136417-M12X1.5	MF 12x1.5	1,5	100	20	73	9	7	10	4

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

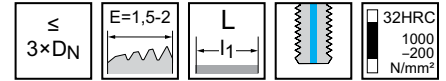
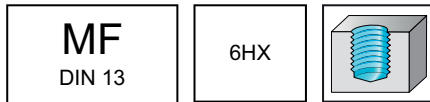
Solid carbide machine taps

mm

Paradur® Engine



- Suitable coating according to requirements
- For short-chipping materials



	P	M	K	N	S	H	O
uncoated			●●	●●			

~DIN 374 L	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
	8136310-M10X1	MF 10x1	1	140	20	117	7	5,5	8	4
	8136310-M12X1.25	MF 12x1.25	1,25	140	21	113	9	7	10	4
	8136310-M12X1.5	MF 12x1.5	1,5	140	21	113	9	7	10	4
	8136310-M16X1.5	MF 16x1.5	1,5	140	21	98	12	9	12	4

Parallel shank

C1

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

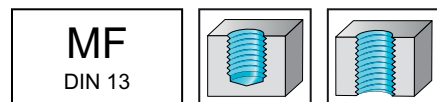
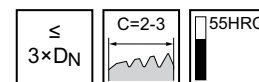
Solid carbide machine taps

mm

Paradur® HS



– For short-chipping materials



	P	M	K	N	S	H	O
uncoated			●	●●	●	●	●●

~DIN 371	Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
	81311-M8X1	MF 8x1	1	90	25	66	8	6,2	9	4
	81311-M10X1	MF 10x1	1	90	30	62	10	8	11	4
	81311-M14X1.5	MF 14x1.5	1,5	100	21	56	14	11	14	4
	81311-M16X1.5	MF 16x1.5	1,5	100	21	55	16	12	15	4

Parallel shank

Without reduced neck after the thread

C1

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide machine taps

mm

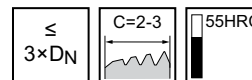
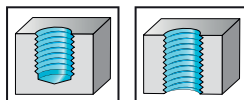
Paradur® HS



– For short-chipping materials

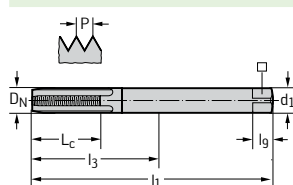
UNC
ASME B1.1

2B



	P	M	K	N	S	H	O
TICN			●	●●	●	●	●●

~DIN 2184-1



Designation TICN	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N
8231106-UNC10	UNC #10-24	4,826	70	16	16	6	4,9	8	3
8231106-UNC1/4	UNC 1/4-20	6,35	80	20	20	7	5,5	8	3
8231106-UNC5/16	UNC 5/16-18	7,938	90	25	25	8	6,2	9	3
8231106-UNC3/8	UNC 3/8-16	9,525	100	30	30	10	8	11	3

Parallel shank

Without reduced neck after the thread

C1

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

Solid carbide machine taps

mm

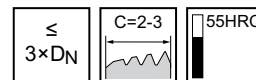
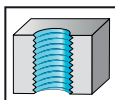
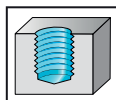
Paradur® HS



– For short-chipping materials

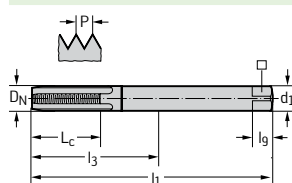
UNF
ASME B1.1

2B



	P	M	K	N	S	H	O
TICN			●●	●●	●	●	●●

~DIN 2184-1



Designation TICN	D _N -P	D _N mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
8331106-UNF10	UNF #10-32	4,826	70	16	47	6	4,9	8	3
8331106-UNF1/4	UNF 1/4-28	6,35	80	20	57	7	5,5	8	3
8331106-UNF3/8	UNF 3/8-24	9,525	90	30	62	10	8	11	3

Parallel shank

Without reduced neck after the thread

C1

WALTER
SELECT

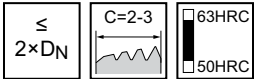
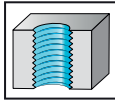
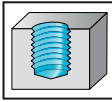
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide machine taps
TC388 Supreme



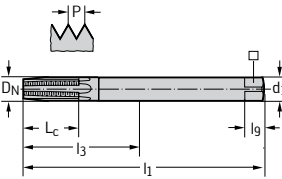
- Taps for hardened materials
- Drill core hole at upper tolerance end

G (BSP)
DIN EN ISO 228



	P	M	K	N	S	H	O
WJ30TU					●	●●	

~DIN 371											
Designation	D _N -P	D _N mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	 mm	l ₉ mm	N	WJ30TU
TC388-G1/8-C0-	G 1/8-28	9,728	28	90	23,5	62	10	8	11	5	☺
TC388-G1/4-C0-	G 1/4-19	13,157	19	100	32,5	56	14	11	14	6	☺



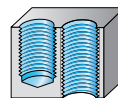
Parallel shank

Without reduced neck after the thread

Ordering example for the grade WJ30TU: TC388-G1/4-C0-WJ30TU

HSS-E and solid carbide thread formers

Machining



Thread depth

 $2 \times D_N$
 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$
 $3 \times D_N$


Designation

Protodyn® Eco LM

Protodyn® C

TC410 Advance

TC420 Supreme

TC430 Supreme

Thread type

M

✓

✓

✓

✓

✓

MF

UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6HX

6GX / 6HX

6GX / 6HX / 7GX

6GX / 6HX

6HX

Coolant supply

External

External

External

External

External

Chamfer form

C

C

C / D

C

C

Coating / grade

CRN

NID / uncoated

WY80AD

WW60AD / WW60BA

WW60EL

Cutting tool material

HSS-E

HSS-E

HSS-E

HSS-E-PM

HSS-E-PM

P Steel

●

●

●●

●●

●●

M Stainless steel

●

●

●●

●

●

K Cast iron

●

●

●

●

●

N NF metals

●●

●●

●●

●●

●

S Materials with difficult cutting properties

●●

●●

●

●

●

H Hard materials

O Other

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C 302

C 310

C 323

QR code



www.walter-tools.com/woc/

protodyn-eco-lm

protodyn-c

TC410

TC420

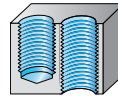
TC430

WALTER SELECT

●● Primary application ● Other application

HSS-E and solid carbide thread formers

Machining



Thread depth

3 x D_N3,5 x D_N3,5 x D_N3,5 x D_N3,5 x D_N

Designation

TC470 Supreme

Protodyn® S
Synchrospeed

Protodyn® SC

Protodyn® SF

TC410 Advance

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

✓

UNC / UNF / UN-8

✓

G / Rc / Rp

✓

✓

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6HX

6HX

6GX / 6HX

6HX / NORMAL

2BX / 6GX / 6HX /
7GX / NORMAL

Coolant supply

External

External / radial

External

External

External

Chamfer form

C

C

C

C

C

Coating / grade

WG20EL

TICN / TIN

NID / uncoated

TICN

WY80AD

Cutting tool material

VHM

HSS-E

HSS-E

HSS-E

HSS-E

P Steel

●●

●●

●

●●

●●

M Stainless steel

●●

●●

●●

K Cast iron

●

●

N NF metals

●

●●

●

●●

●●

S Materials with difficult cutting properties

●

●

●

H Hard materials

O Other

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C 334

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C 307

QR code


www.walter-tools.com/woc/

TC470

protodyn-s-synchrospeed

protodyn-sc

protodyn-sf

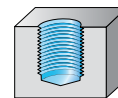
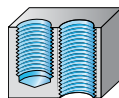
TC410

WALTER SELECT

●● Primary application ● Other application

HSS-E and solid carbide thread formers

Machining



Thread depth

 $3,5 \times D_N$
 $3,5 \times D_N$
 $3,5 \times D_N$
 $3,5 \times D_N$
 $3,5 \times D_N$


Designation

TC420 Supreme

TC430 Supreme

TC440 Supreme

TC470 Supreme

TC410 Advance

Thread type

M

✓

✓

✓

✓

MF

✓

✓

✓

✓

✓

UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6GX / 6HX

6GX / 6HX

6HX

6HX

6GX

Coolant supply

External / radial

External / radial

External / radial

External / radial

External

Chamfer form

C

C

C

C

E

Coating / grade

WW60AD / WW60BA

WW60AD / WW60EL

WY80AD

WG20EL

WY80AD

Cutting tool material

HSS-E-PM

HSS-E-PM

HSS-E

VHM

HSS-E

P Steel

●●

●●

●

●●

●●

M Stainless steel

●●

●

●●

●

●

K Cast iron

●

●

●

●

●

N NF metals

●●

●

●

●

●●

S Materials with difficult cutting properties

●

●

●

●

●

H Hard materials

O Other

Page in catalogue

C 315

C 324

C 328

C 338

C 343

QR code



www.walter-tools.com/woc/

TC420

TC430

TC440

TC470

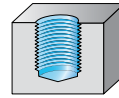
TC410

WALTER SELECT

●● Primary application ● Other application

HSS-E and solid carbide thread formers

Machining



Thread depth

3,5 x D_N3,5 x D_N3,5 x D_N3,5 x D_N

Designation

TC420 Supreme

TC430 Supreme

TC440 Supreme

TC470 Supreme

Thread type

M

✓

✓

✓

✓

MF

✓

✓

✓

UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

Tolerance

6GX / 6HX

6HX

6HX

6HX

Coolant supply

External / axial

axial

axial

axial

Chamfer form

C / E

C

C

C / E

Coating / grade

WW60AD / WW60BA

WW60AD / WW60EL

WY80AD

WG20EL

Cutting tool material

HSS-E-PM

HSS-E-PM

HSS-E

VHM

P Steel

●●

●●

●

●●

M Stainless steel

●●

●

●●

K Cast iron

●

●

●

N NF metals

●●

●

●

●

S Materials with difficult cutting properties

●

●

H Hard materials

O Other

Page in catalogue

C 311

C 325

C 329

C 339

QR code


www.walter-tools.com/woc/

TC420

TC430

TC440

TC470

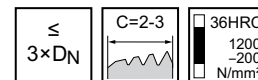
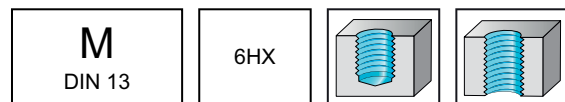
WALTER SELECT

●● Primary application ● Other application

HSS-E machine thread formers

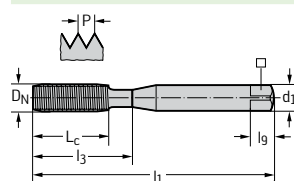
TC410 Advance mm


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●	●	●●	●		

DIN 2174

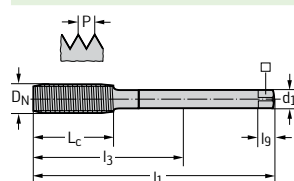


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M1-C0-	M 1	0,25	40	5	5	2,5	2,1	5	3	☹
TC410-M1.1-C0-	M 1.1	0,25	40	5	5	2,5	2,1	5	3	☹
TC410-M1.2-C0-	M 1.2	0,25	40	5	5	2,5	2,1	5	3	☹
TC410-M1.4-C0-	M 1.4	0,3	40	7	7	2,5	2,1	5	3	☹
TC410-M1.6-C0-	M 1.6	0,35	40	7	7	2,5	2,1	5	3	☹
TC410-M1.7-C0-	M 1.7	0,35	40	7	7	2,5	2,1	5	3	☹
TC410-M1.8-C0-	M 1.8	0,35	40	7	7	2,5	2,1	5	3	☹
TC410-M2-C0-	M 2	0,4	45	6	11	2,8	2,1	5	3	☹
TC410-M2.2-C0-	M 2.2	0,45	45	7	12	2,8	2,1	5	3	☹
TC410-M2.3-C0-	M 2.3	0,4	45	7	12	2,8	2,1	5	3	☹
TC410-M2.5-C0-	M 2.5	0,45	50	8	13	2,8	2,1	5	3	☹
TC410-M2.6-C0-	M 2.6	0,45	50	8	14	2,8	2,1	5	3	☹
TC410-M3-C0-	M 3	0,5	56	9	18	3,5	2,7	6	4	☹
TC410-M3.5-C0-	M 3.5	0,6	56	11	20	4	3	6	4	☹
TC410-M4-C0-	M 4	0,7	63	12	21	4,5	3,4	6	5	☹
TC410-M5-C0-	M 5	0,8	70	13	25	6	4,9	8	5	☹
TC410-M6-C0-	M 6	1	80	15	30	6	4,9	8	5	☹
TC410-M7-C0-	M 7	1	80	15	30	7	5,5	8	5	☹
TC410-M8-C0-	M 8	1,25	90	18	35	8	6,2	9	5	☹
TC410-M10-C0-	M 10	1,5	100	20	39	10	8	11	6	☹

Ordering example for the grade WY80AD: TC410-M1-C0-WY80AD

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M12-L0-	M 12	1,75	110	23	83	9	7	10	6	☹
TC410-M14-L0-	M 14	2	110	25	81	11	9	12	6	☹
TC410-M16-L0-	M 16	2	110	25	68	12	9	12	6	☹
TC410-M18-L0-	M 18	2,5	125	30	81	14	11	14	7	☹
TC410-M20-L0-	M 20	2,5	140	30	95	16	12	15	7	☹
TC410-M24-L0-	M 24	3	160	36	113	18	14,5	17	8	☹

Ordering example for the grade WY80AD: TC410-M12-L0-WY80AD

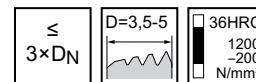
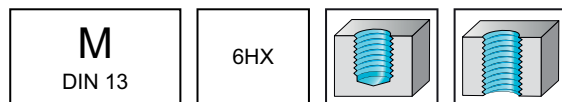
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E machine thread formers

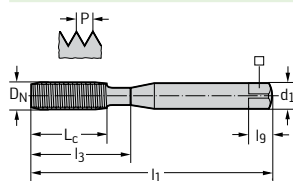
TC410 Advance 

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●	●	●●	●		

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC410-M2-CD-	M 2	0,4	45	6	11	2,8	2,1	5	3	☼
TC410-M3-CD-	M 3	0,5	56	9	18	3,5	2,7	6	4	☼
TC410-M4-CD-	M 4	0,7	63	12	21	4,5	3,4	6	5	☼
TC410-M5-CD-	M 5	0,8	70	13	25	6	4,9	8	5	☼
TC410-M6-CD-	M 6	1	80	15	30	6	4,9	8	5	☼
TC410-M8-CD-	M 8	1,25	90	18	35	8	6,2	9	5	☼

Ordering example for the grade WY80AD: TC410-M2-CD-WY80AD

C2

WALTER
SELECT

●● Primary application ● Other application

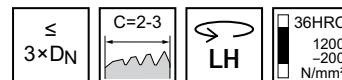
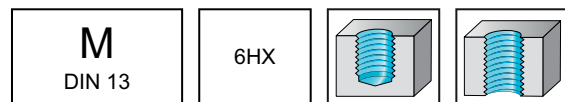
Best tool for → Good = 😊 → Average = 😐 → Poor = ☼ machining conditions

HSS-E machine thread formers

TC410 Advance mm



– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●●	●●	●●	●●	●●	●●

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M3-CL-	M 3	0,5	56	9	18	3,5	2,7	6	4	●●
TC410-M4-CL-	M 4	0,7	63	12	21	4,5	3,4	6	5	●●
TC410-M5-CL-	M 5	0,8	70	13	25	6	4,9	8	5	●●
TC410-M6-CL-	M 6	1	80	15	30	6	4,9	8	5	●●
TC410-M8-CL-	M 8	1,25	90	18	35	8	6,2	9	5	●●
TC410-M10-CL-	M 10	1,5	100	20	39	10	8	11	6	●●

Ordering example for the grade WY80AD: TC410-M10-CL-WY80AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M12-LL-	M 12	1,75	110	23	83	9	7	10	6	●●
TC410-M16-LL-	M 16	2	110	25	68	12	9	12	6	●●

Ordering example for the grade WY80AD: TC410-M12-LL-WY80AD

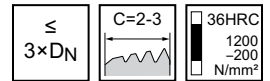
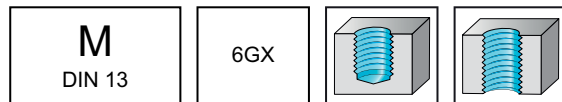
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine thread formers

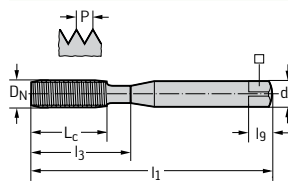
TC410 Advance 

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●	●	●●	●		

DIN 2174

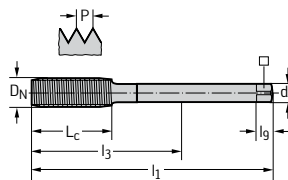


Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M2-E0-	M 2	0,4	45	6	11	2,8	2,1	5	3	☒
TC410-M2.5-E0-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	☒
TC410-M3-E0-	M 3	0,5	56	9	18	3,5	2,7	6	4	☒
TC410-M3.5-E0-	M 3.5	0,6	56	11	20	4	3	6	4	☒
TC410-M4-E0-	M 4	0,7	63	12	21	4,5	3,4	6	5	☒
TC410-M5-E0-	M 5	0,8	70	13	25	6	4,9	8	5	☒
TC410-M6-E0-	M 6	1	80	15	30	6	4,9	8	5	☒
TC410-M8-E0-	M 8	1,25	90	18	35	8	6,2	9	5	☒
TC410-M10-E0-	M 10	1,5	100	20	39	10	8	11	6	☒

Ordering example for the grade WY80AD: TC410-M10-E0-WY80AD

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M12-N0-	M 12	1,75	110	23	83	9	7	10	6	☒

Ordering example for the grade WY80AD: TC410-M12-N0-WY80AD

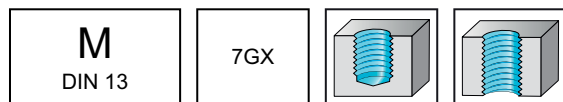
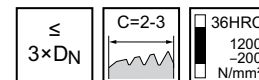
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☒ machining conditions

HSS-E machine thread formers

TC410 Advance


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●	●	●●	●		

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AD
TC410-M2-F0-	M 2	0,4	45	6	11	2,8	2,1	5	3	☹
TC410-M2.5-F0-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	☹
TC410-M3-F0-	M 3	0,5	56	9	18	3,5	2,7	6	4	☹
TC410-M4-F0-	M 4	0,7	63	12	21	4,5	3,4	6	5	☹
TC410-M5-F0-	M 5	0,8	70	13	25	6	4,9	8	5	☹
TC410-M6-F0-	M 6	1	80	15	30	6	4,9	8	5	☹
TC410-M8-F0-	M 8	1,25	90	18	35	8	6,2	9	5	☹
TC410-M10-F0-	M 10	1,5	100	20	39	10	8	11	6	☹

Ordering example for the grade WY80AD: TC410-M10-F0-WY80AD

C2

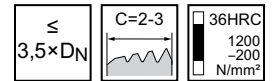
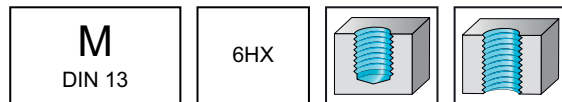
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E machine thread formers

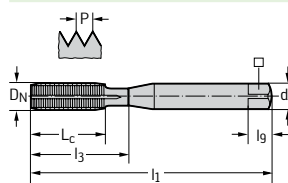
TC410 Advance 

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●●	●●	●●	●		

DIN 2174

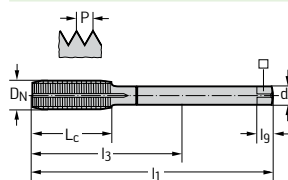


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M2-C6-	M 2	0,4	45	6	11	2,8	2,1	5	3	✱
TC410-M2.5-C6-	M 2.5	0,45	50	8	13	2,8	2,1	5	3	✱
TC410-M3-C6-	M 3	0,5	56	9	18	3,5	2,7	6	4	✱
TC410-M3.5-C6-	M 3.5	0,6	56	11	20	4	3	6	4	✱
TC410-M4-C6-	M 4	0,7	63	12	21	4,5	3,4	6	5	✱
TC410-M5-C6-	M 5	0,8	70	13	25	6	4,9	8	5	✱
TC410-M6-C6-	M 6	1	80	15	30	6	4,9	8	5	✱
TC410-M7-C6-	M 7	1	80	15	30	7	5,5	8	5	✱
TC410-M8-C6-	M 8	1,25	90	18	35	8	6,2	9	5	✱
TC410-M10-C6-	M 10	1,5	100	20	39	10	8	11	6	✱

Ordering example for the grade WY80AD: TC410-M10-C6-WY80AD

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M12-L6-	M 12	1,75	110	23	83	9	7	10	6	✱
TC410-M14-L6-	M 14	2	110	25	81	11	9	12	6	✱
TC410-M16-L6-	M 16	2	110	25	68	12	9	12	6	✱
TC410-M18-L6-	M 18	2,5	125	30	81	14	11	14	7	✱
TC410-M20-L6-	M 20	2,5	140	30	95	16	12	15	7	✱
TC410-M24-L6-	M 24	3	160	36	113	18	14,5	17	8	✱

Ordering example for the grade WY80AD: TC410-M12-L6-WY80AD

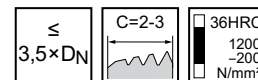
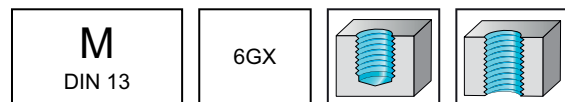
WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine thread formers

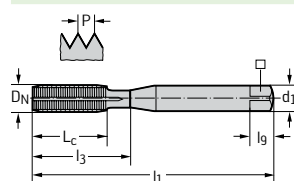
TC410 Advance


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●●	●●	●●	●		

DIN 2174

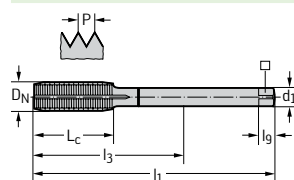


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M2-E6-	M 2	0,4	45	6	11	2,8	2,1	5	3	●●
TC410-M2.5-E6-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	●●
TC410-M3-E6-	M 3	0,5	56	9	18	3,5	2,7	6	4	●●
TC410-M3.5-E6-	M 3.5	0,6	56	11	20	4	3	6	4	●●
TC410-M4-E6-	M 4	0,7	63	12	21	4,5	3,4	6	5	●●
TC410-M5-E6-	M 5	0,8	70	13	25	6	4,9	8	5	●●
TC410-M6-E6-	M 6	1	80	15	30	6	4,9	8	5	●●
TC410-M8-E6-	M 8	1,25	90	18	35	8	6,2	9	5	●●
TC410-M10-E6-	M 10	1,5	100	20	39	10	8	11	6	●●

Ordering example for the grade WY80AD: TC410-M10-E6-WY80AD

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M12-N6-	M 12	1,75	110	23	83	9	7	10	6	●●

Ordering example for the grade WY80AD: TC410-M12-N6-WY80AD

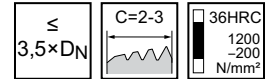
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine thread formers

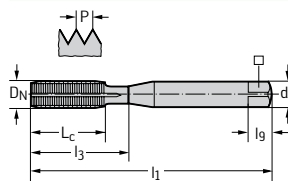
TC410 Advance mm

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●●	●●	●●	●		

DIN 2174

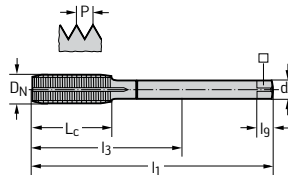


Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M2-F6-	M 2	0,4	45	6	11	2,8	2,1	5	3	☼
TC410-M2.5-F6-	M 2.5	0,45	50	8	14	2,8	2,1	5	3	☼
TC410-M3-F6-	M 3	0,5	56	9	18	3,5	2,7	6	4	☼
TC410-M4-F6-	M 4	0,7	63	12	21	4,5	3,4	6	5	☼
TC410-M5-F6-	M 5	0,8	70	13	25	6	4,9	8	5	☼
TC410-M6-F6-	M 6	1	80	15	30	6	4,9	8	5	☼
TC410-M8-F6-	M 8	1,25	90	18	35	8	6,2	9	5	☼
TC410-M10-F6-	M 10	1,5	100	20	39	10	8	11	6	☼

Ordering example for the grade WY80AD: TC410-M10-F6-WY80AD

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M12-P6-	M 12	1,75	110	23	83	9	7	10	6	☼

Ordering example for the grade WY80AD: TC410-M12-P6-WY80AD

WALTER
SELECT

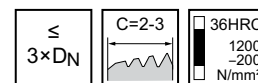
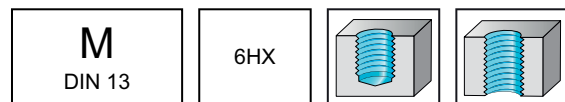
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☼ machining conditions

HSS-E-PM machine thread formers

TC420 Supreme

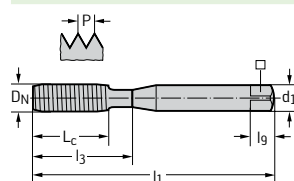


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●	●	●●	●		
WW60BA	●●	●	●	●●	●		

DIN 2174

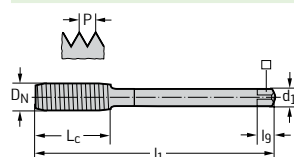


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M2-C0-	M 2	0,4	45	4	11	2,8	2,1	5	3	●●	●●
TC420-M2.5-C0-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●●	●●
TC420-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	4	●●	●●
TC420-M3.5-C0-	M 3.5	0,6	56	7	20	4	3	6	4	●●	●●
TC420-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	5	●●	●●
TC420-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-C0-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-C0-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Ordering example for the grade WW60AD: TC420-M10-C0-WW60AD

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M12-L0-	M 12	1,75	110	16	83	9	7	10	6	●●	●●
TC420-M14-L0-	M 14	2	110	20	81	11	9	12	6	●●	●●
TC420-M16-L0-	M 16	2	110	20	68	12	9	12	6	●●	●●
TC420-M20-L0-	M 20	2,5	140	25	95	16	12	15	7	●●	●●

Ordering example for the grade WW60AD: TC420-M12-L0-WW60AD

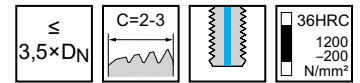
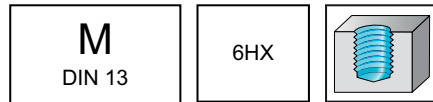
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E-PM machine thread formers

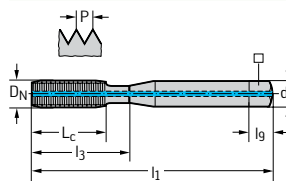
TC420 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174

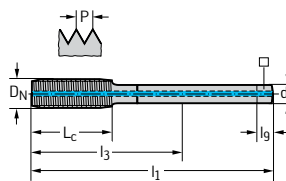


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M5-C1-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-C1-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-C1-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M10-C1-WW60AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M12-L1-	M 12	1,75	110	16	83	9	7	10	6	●●	●●
TC420-M14-L1-	M 14	2	110	20	81	11	9	12	6	●●	●●
TC420-M16-L1-	M 16	2	110	20	68	12	9	12	6	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M12-L1-WW60AD

WALTER
SELECT

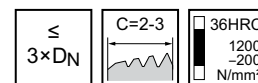
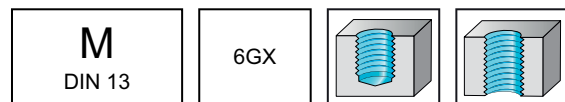
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

TC420 Supreme

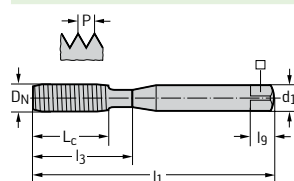


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●	●	●●	●		
WW60BA	●●	●	●	●●	●		

DIN 2174

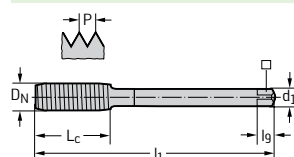


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M2-E0-	M 2	0,4	45	4	11	2,8	2,1	5	3	●●	●●
TC420-M2.5-E0-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●●	●●
TC420-M3-E0-	M 3	0,5	56	6	18	3,5	2,7	6	4	●●	●●
TC420-M3.5-E0-	M 3.5	0,6	56	7	20	4	3	6	4	●●	
TC420-M4-E0-	M 4	0,7	63	7	21	4,5	3,4	6	5	●●	●●
TC420-M5-E0-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-E0-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-E0-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-E0-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Ordering example for the grade WW60AD: TC420-M10-E0-WW60AD

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60AD
TC420-M12-N0-	M 12	1,75	110	16	83	9	7	10	6	●●
TC420-M14-N0-	M 14	2	110	20	81	11	9	12	6	●●
TC420-M16-N0-	M 16	2	110	20	68	12	9	12	6	●●

Ordering example for the grade WW60AD: TC420-M12-N0-WW60AD

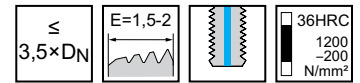
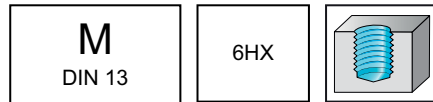
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

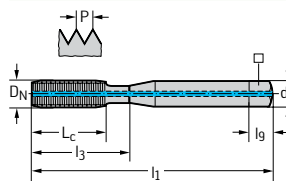
TC420 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●●	●●	●●	●●	●●
WW60BA	●●	●●	●●	●●	●●	●●	●●

DIN 2174

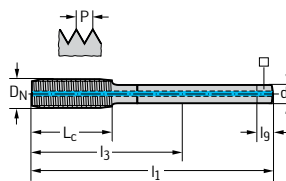


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M5-CF-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-CF-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-CF-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-CF-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M10-CF-WW60AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD
TC420-M12-LF-	M 12	1,75	110	16	83	9	7	10	6	●●
TC420-M16-LF-	M 16	2	110	20	68	12	9	12	6	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M12-LF-WW60AD

WALTER
SELECT

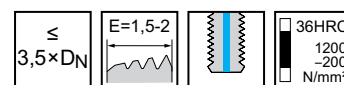
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

TC420 Supreme

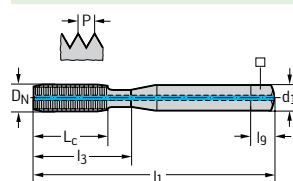


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●●	●●	●●	●●	●●
WW60BA	●●	●●	●●	●●	●●	●●	●●

DIN 2174

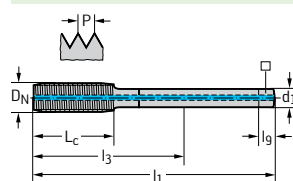


Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M5-EF-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-EF-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-EF-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-EF-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M10-EF-WW60AD

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD
TC420-M12-NF-	M 12	1,75	110	16	83	9	7	10	6	●●
TC420-M16-NF-	M 16	2	110	20	68	12	9	12	6	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M12-NF-WW60AD

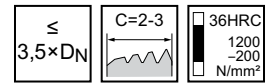
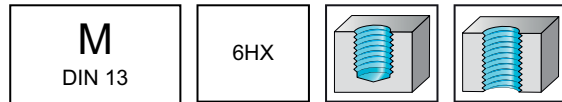
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

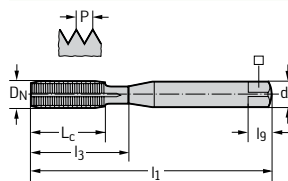
TC420 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174

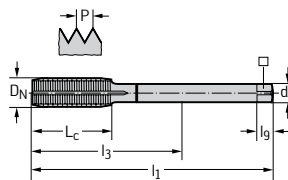


Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M2-C6-	M 2	0,4	45	4	11	2,8	2,1	5	3	●●	●●
TC420-M2.5-C6-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●●	●●
TC420-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	4	●●	●●
TC420-M3.5-C6-	M 3.5	0,6	56	7	20	4	3	6	4	●●	●●
TC420-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	5	●●	●●
TC420-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-C6-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-C6-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Ordering example for the grade WW60AD: TC420-M10-C6-WW60AD

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M12-L6-	M 12	1,75	110	16	83	9	7	10	6	●●	●●
TC420-M14-L6-	M 14	2	110	20	81	11	9	12	6	●●	●●
TC420-M16-L6-	M 16	2	110	20	68	12	9	12	6	●●	●●
TC420-M20-L6-	M 20	2,5	140	25	95	16	12	15	7	●●	●●

Ordering example for the grade WW60AD: TC420-M12-L6-WW60AD

WALTER
SELECT

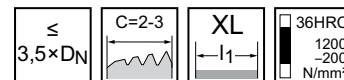
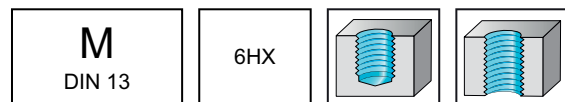
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

TC420 Supreme

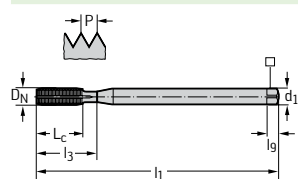


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●●	●●	●		

~DIN 371 XL

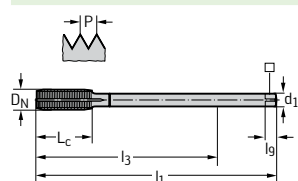


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60AD
TC420-M3-CH-	M 3	0,5	125	6	18	3,5	2,7	6	4	☹
TC420-M4-CH-	M 4	0,7	125	7	21	4,5	3,4	6	5	☹
TC420-M5-CH-	M 5	0,8	140	8	25	6	4,9	8	5	☹
TC420-M6-CH-	M 6	1	160	10	30	6	4,9	8	5	☹

Parallel shank

Ordering example for the grade WW60AD: TC420-M3-CH-WW60AD

~DIN 376 XL



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WW60AD
TC420-M8-LH-	M 8	1,25	180	13	157	6	4,9	8	5	☹
TC420-M10-LH-	M 10	1,5	200	15	177	7	5,5	8	6	☹
TC420-M12-LH-	M 12	1,75	220	16	193	9	7	10	6	☹
TC420-M16-LH-	M 16	2	220	20	178	12	9	12	6	☹

Parallel shank

Ordering example for the grade WW60AD: TC420-M10-LH-WW60AD

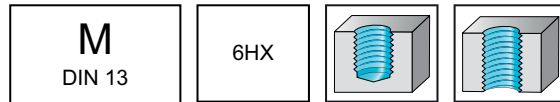
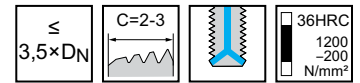
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E-PM machine thread formers

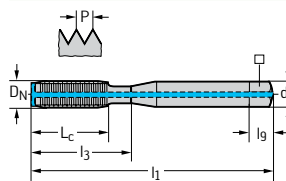
TC420 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174

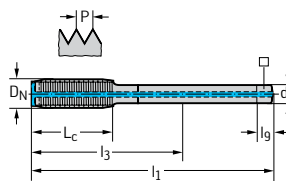


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M5-C2-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-C2-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-C2-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M10-C2-WW60AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M12-L2-	M 12	1,75	110	16	83	9	7	10	6	●●	●●
TC420-M14-L2-	M 14	2	110	20	81	11	9	12	6	●●	●●
TC420-M16-L2-	M 16	2	110	20	68	12	9	12	6	●●	●●
TC420-M20-L2-	M 20	2,5	140	25	95	16	12	15	7	●●	●●
TC420-M24-L2-	M 24	3	160	30	113	18	14,5	17	8	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC420-M12-L2-WW60AD

WALTER
SELECT

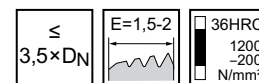
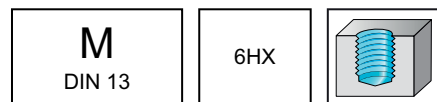
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

TC420 Supreme

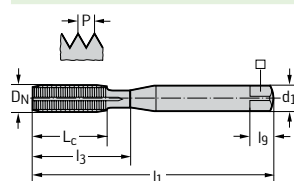


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174

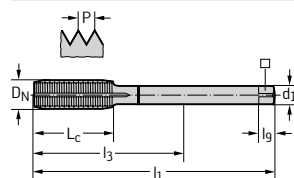


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M2-CE-	M 2	0,4	45	4	11	2,8	2,1	5	3	●●	●●
TC420-M2.5-CE-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●●	●●
TC420-M3-CE-	M 3	0,5	56	6	18	3,5	2,7	6	4	●●	●●
TC420-M3.5-CE-	M 3.5	0,6	56	7	20	4	3	6	4	●●	●●
TC420-M4-CE-	M 4	0,7	63	7	21	4,5	3,4	6	5	●●	●●
TC420-M5-CE-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-CE-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-CE-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-CE-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Ordering example for the grade WW60AD: TC420-M10-CE-WW60AD

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M12-LE-	M 12	1,75	110	16	83	9	7	10	6	●●	●●
TC420-M14-LE-	M 14	2	110	20	81	11	9	12	6	●●	●●
TC420-M16-LE-	M 16	2	110	20	68	12	9	12	6	●●	●●

Ordering example for the grade WW60AD: TC420-M12-LE-WW60AD

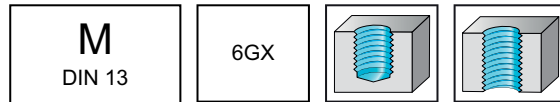
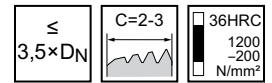
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

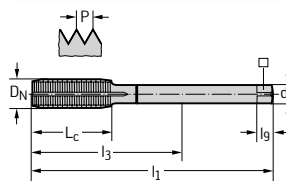
TC420 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174

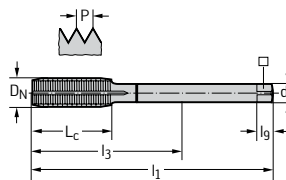


Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M2-E6-	M 2	0,4	45	4	11	2,8	2,1	5	3	✖	✖
TC420-M2.5-E6-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	✖	✖
TC420-M3-E6-	M 3	0,5	56	6	18	3,5	2,7	6	4	✖	✖
TC420-M3.5-E6-	M 3.5	0,6	56	7	20	4	3	6	4	✖	✖
TC420-M4-E6-	M 4	0,7	63	7	21	4,5	3,4	6	5	✖	✖
TC420-M5-E6-	M 5	0,8	70	8	25	6	4,9	8	5	✖	✖
TC420-M6-E6-	M 6	1	80	10	30	6	4,9	8	5	✖	✖
TC420-M8-E6-	M 8	1,25	90	12	35	8	6,2	9	5	✖	✖
TC420-M10-E6-	M 10	1,5	100	15	39	10	8	11	6	✖	✖

Ordering example for the grade WW60AD: TC420-M10-E6-WW60AD

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD
TC420-M12-N6-	M 12	1,75	110	16	83	9	7	10	6	✖
TC420-M14-N6-	M 14	2	110	20	81	11	9	12	6	✖
TC420-M16-N6-	M 16	2	110	20	68	12	9	12	6	✖

Ordering example for the grade WW60AD: TC420-M12-N6-WW60AD

WALTER
SELECT

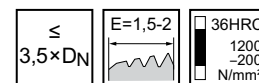
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E-PM machine thread formers

TC420 Supreme mm



– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M2-EE-	M 2	0,4	45	4	11	2,8	2,1	5	3	●●	●●
TC420-M2.5-EE-	M 2.5	0,45	50	4	14	2,8	2,1	5	3	●●	●●
TC420-M3-EE-	M 3	0,5	56	6	18	3,5	2,7	6	4	●●	●●
TC420-M4-EE-	M 4	0,7	63	7	21	4,5	3,4	6	5	●●	●●
TC420-M5-EE-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC420-M6-EE-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC420-M8-EE-	M 8	1,25	90	12	35	8	6,2	9	5	●●	●●
TC420-M10-EE-	M 10	1,5	100	15	39	10	8	11	6	●●	●●

Ordering example for the grade WW60AD: TC420-M10-EE-WW60AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD
TC420-M12-NE-	M 12	1,75	110	16	83	9	7	10	6	●●
TC420-M14-NE-	M 14	2	110	20	81	11	9	12	6	●●
TC420-M16-NE-	M 16	2	110	20	68	12	9	12	6	●●

Ordering example for the grade WW60AD: TC420-M12-NE-WW60AD

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

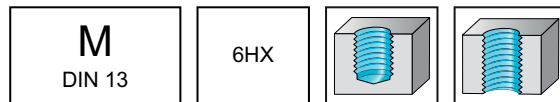
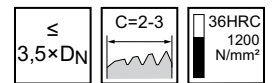
HSS-E machine thread formers

mm

Protodyn® S Synchrospeed



- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●●	●●	●●
TICN	●●	●●	●●	●●	●●	●●	●●

~DIN 2174	Designation TICN	Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
	S2061306-M3	S2061305-M3	M 3	0,5	70	3	18	6	4,9	8	3
	S2061306-M4	S2061305-M4	M 4	0,7	70	4	21	6	4,9	8	3
	S2061306-M5	S2061305-M5	M 5	0,8	70	5	25	6	4,9	8	4
	S2061306-M6	S2061305-M6	M 6	1	80	6	30	6	4,9	8	4
	S2061306-M8	S2061305-M8	M 8	1,25	90	8	35	8	6,2	9	5
	S2061306-M10	S2061305-M10	M 10	1,5	100	9	39	10	8	11	5

Parallel shank

~DIN 2174	Designation TICN	Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
	S2066306-M12	S2066305-M12	M 12	1,75	110	11	42	12	9	12	5

Parallel shank

C2

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

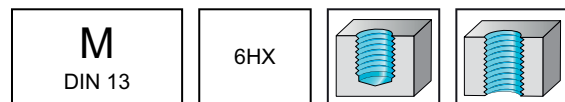
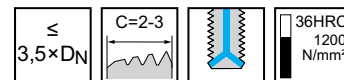
HSS-E machine thread formers

mm

Protodyn® S Synchrospeed



- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●		

~DIN 2174	Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
	S2061345-M4	M 4	0,7	70	4	21	6	4,9	8	3
	S2061345-M5	M 5	0,8	70	5	25	6	4,9	8	4
	S2061345-M6	M 6	1	80	6	30	6	4,9	8	4
	S2061345-M8	M 8	1,25	90	8	35	8	6,2	9	5
	S2061345-M10	M 10	1,5	100	9	39	10	8	11	5

Parallel shank

~DIN 2174	Designation TIN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
	S2066345-M12	M 12	1,75	110	11	42	12	9	12	5

Parallel shank

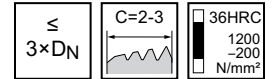
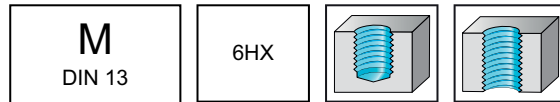
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E-PM machine thread formers

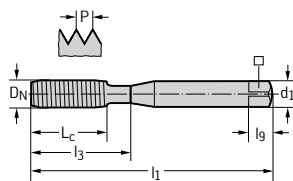
TC430 Supreme 

- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60EL	●●	●	●	●			

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60EL
TC430-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	4	☼
TC430-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	5	☼
TC430-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	5	☼
TC430-M6-C0-	M 6	1	80	10	30	6	4,9	8	5	☼
TC430-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	6	☼
TC430-M10-C0-	M 10	1,5	100	15	39	10	8	11	7	☼

Ordering example for the grade WW60EL: TC430-M10-C0-WW60EL

C2

WALTER
SELECT

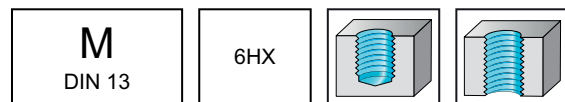
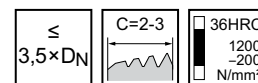
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☼ machining conditions

HSS-E-PM machine thread formers

TC430 Supreme mm



- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60AD	●●	●	●	●	●	●	●
WW60EL	●●	●	●	●	●	●	●

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60EL
TC430-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	4	●●	●●
TC430-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	5	●●	●●
TC430-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC430-M6-C6-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC430-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	6	●●	●●
TC430-M10-C6-	M 10	1,5	100	15	39	10	8	11	7	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC430-M10-C6-WW60AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60EL
TC430-M12-L6-	M 12	1,75	110	16	83	9	7	10	8	●●	●●
TC430-M16-L6-	M 16	2	110	20	68	12	9	12	8	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC430-M12-L6-WW60AD

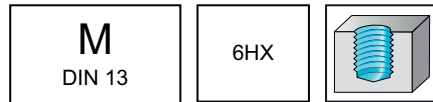
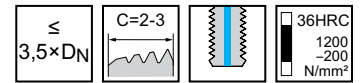
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

TC430 Supreme 

- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60AD	●●	●	●	●	●	●	●
WW60EL	●●	●	●	●	●	●	●

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60EL
TC430-M5-C1-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC430-M6-C1-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC430-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	6	●●	●●
TC430-M10-C1-	M 10	1,5	100	15	39	10	8	11	7	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC430-M10-C1-WW60AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60EL
TC430-M12-L1-	M 12	1,75	110	16	83	9	7	10	8	●●	●●
TC430-M16-L1-	M 16	2	110	20	68	12	9	12	8	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC430-M12-L1-WW60AD

C2

WALTER
SELECT

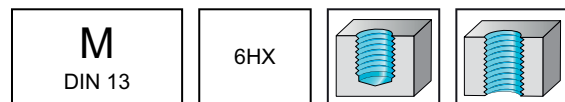
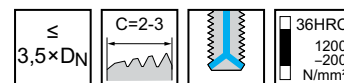
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

TC430 Supreme mm



- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60AD	●●	●	●	●	●	●	●
WW60EL	●●	●	●	●	●	●	●

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60EL
TC430-M5-C2-	M 5	0,8	70	8	25	6	4,9	8	5	●●	●●
TC430-M6-C2-	M 6	1	80	10	30	6	4,9	8	5	●●	●●
TC430-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	6	●●	●●
TC430-M10-C2-	M 10	1,5	100	15	39	10	8	11	7	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC430-M10-C2-WW60AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60EL
TC430-M12-L2-	M 12	1,75	110	16	83	9	7	10	8	●●	●●
TC430-M16-L2-	M 16	2	110	20	68	12	9	12	8	●●	●●

Parallel shank

Ordering example for the grade WW60AD: TC430-M12-L2-WW60AD

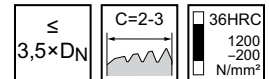
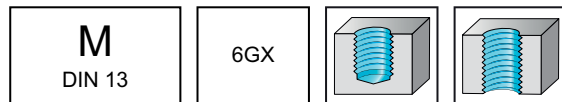
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

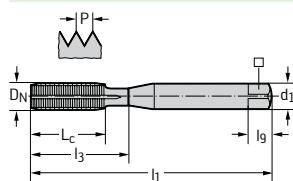
TC430 Supreme 

- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60AD	●●	●	●	●	●	●	●

DIN 2174

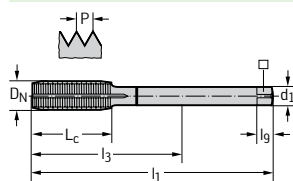


Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC430-M8-E6-	M 8	1,25	90	12	35	8	6,2	9	6	☒
TC430-M10-E6-	M 10	1,5	100	15	39	10	8	11	7	☒

Ordering example for the grade WW60AD: TC430-M10-E6-WW60AD

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60AD
TC430-M12-N6-	M 12	1,75	110	16	83	9	7	10	8	☒
TC430-M16-N6-	M 16	2	110	20	68	12	9	12	8	☒

Ordering example for the grade WW60AD: TC430-M12-N6-WW60AD

WALTER
SELECT

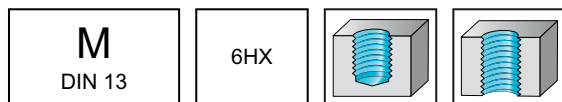
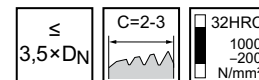
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☒ machining conditions

HSS-E machine thread formers

TC440 Supreme



- For long-chipping materials
- For stainless steels when using emulsion



	P	M	K	N	S	H	O
WY80AD	●	●●	●	●	●	●	●

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC440-M2-C6-	M 2	0,4	45	6	6	2,8	2,1	5	3	●
TC440-M2.5-C6-	M 2.5	0,45	50	8	8	2,8	2,1	5	3	●
TC440-M3-C6-	M 3	0,5	56	6	18	3,5	2,7	6	3	●
TC440-M4-C6-	M 4	0,7	63	7	21	4,5	3,4	6	3	●
TC440-M5-C6-	M 5	0,8	70	8	25	6	4,9	8	4	●
TC440-M6-C6-	M 6	1	80	10	30	6	4,9	8	5	●
TC440-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	5	●
TC440-M10-C6-	M 10	1,5	100	15	39	10	8	11	5	●

Ordering example for the grade WY80AD: TC440-M12-L6-WY80AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC440-M12-L6-	M 12	1,75	110	16	83	9	7	10	5	●

Bestellbeispiel für die Sorte WY80AD: TC440-M12-L6-WY80AD

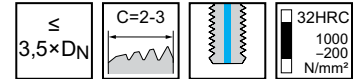
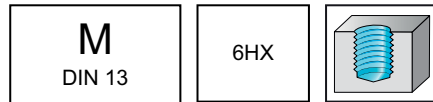
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine thread formers

TC440 Supreme mm

- For long-chipping materials
- For stainless steels when using emulsion



	P	M	K	N	S	H	O
WY80AD	●	●●	●	●	●	●	●

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC440-M5-C1-	M 5	0,8	70	8	25	6	4,9	8	4	●
TC440-M6-C1-	M 6	1	80	10	30	6	4,9	8	5	●
TC440-M8-C1-	M 8	1,25	90	12	35	8	6,2	9	5	●
TC440-M10-C1-	M 10	1,5	100	15	39	10	8	11	5	●

Parallel shank

Ordering example for the grade WY80AD: TC440-M10-C1-WY80AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC440-M12-L1-	M 12	1,75	110	16	83	9	7	10	5	●

Parallel shank

Ordering example for the grade WY80AD: TC440-M12-L1-WY80AD

WALTER
SELECT

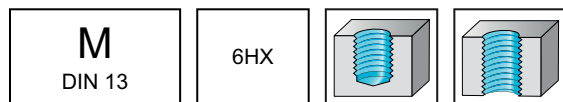
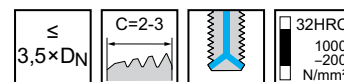
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine thread formers

TC440 Supreme mm



- For long-chipping materials
- For stainless steels when using emulsion



	P	M	K	N	S	H	O
WY80AD	●	●●	●	●	●	●	●

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC440-M5-C2-	M 5	0,8	70	8	25	6	4,9	8	4	●
TC440-M6-C2-	M 6	1	80	10	30	6	4,9	8	5	●
TC440-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	5	●
TC440-M10-C2-	M 10	1,5	100	15	39	10	8	11	5	●

Parallel shank

Ordering example for the grade WY80AD: TC440-M10-C2-WY80AD

DIN 2174

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WY80AD
TC440-M12-L2-	M 12	1,75	110	16	83	9	7	10	5	●

Parallel shank

Ordering example for the grade WY80AD: TC440-M12-L2-WY80AD

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

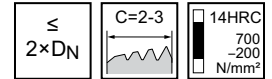
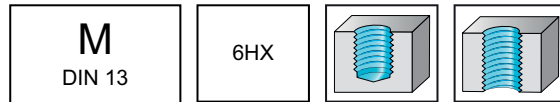
HSS-E machine thread formers

mm

Protodyn® Eco LM

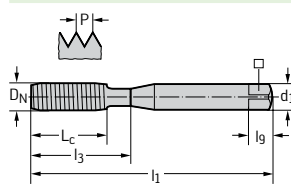


– For long-chipping materials



	P	M	K	N	S	H	O
CRN	●			●●	●●		

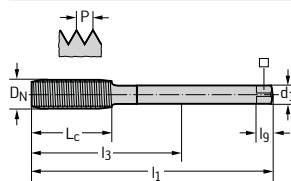
DIN 2174



Parallel shank

Designation CRN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E2061604-M2	M 2	0,4	45	6	11	2,8	2,1	5	3
E2061604-M2.5	M 2.5	0,45	50	8	14	2,8	2,1	5	3
E2061604-M3	M 3	0,5	56	9	18	3,5	2,7	6	3
E2061604-M4	M 4	0,7	63	12	21	4,5	3,4	6	3
E2061604-M5	M 5	0,8	70	13	25	6	4,9	8	4
E2061604-M6	M 6	1	80	15	30	6	4,9	8	4
E2061604-M8	M 8	1,25	90	18	35	8	6,2	9	4
E2061604-M10	M 10	1,5	100	20	39	10	8	11	4

DIN 2174



Parallel shank

Designation CRN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
E2066604-M12	M 12	1,75	110	23	83	9	7	10	4

C2

WALTER
SELECT

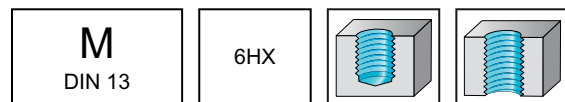
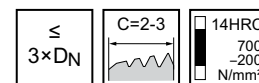
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

HSS-E machine thread formers

mm

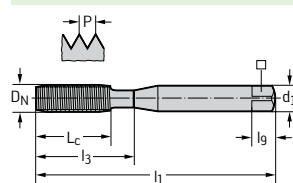
Protodyn® C


– For long-chipping materials



	P	M	K	N	S	H	O
NID	●						
uncoated	●						

DIN 2174



Parallel shank

Designation NID	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
D70611-M1	D7061100-M1	M 1	0,25	40	6	6	2,5	2,1	5	3
D70611-M1.2	D7061100-M1.2	M 1.2	0,25	40	6	6	2,5	2,1	5	3
D70611-M1.4	D7061100-M1.4	M 1.4	0,3	40	7	7	2,5	2,1	5	3
D70611-M1.6	D7061100-M1.6	M 1.6	0,35	40	8	8	2,5	2,1	5	3
D70611-M2	D7061100-M2	M 2	0,4	45	6	11	2,8	2,1	5	3
D70611-M2.5	D7061100-M2.5	M 2.5	0,45	50	8	13	2,8	2,1	5	3
D70611-M3	D7061100-M3	M 3	0,5	56	9	18	3,5	2,7	6	4
	D7061100-M3.5	M 3.5	0,6	56	11	20	4	3	6	4
D70611-M4	D7061100-M4	M 4	0,7	63	12	21	4,5	3,4	6	5
D70611-M5	D7061100-M5	M 5	0,8	70	13	25	6	4,9	8	5
D70611-M6	D7061100-M6	M 6	1	80	15	30	6	4,9	8	5
D70611-M8	D7061100-M8	M 8	1,25	90	18	35	8	6,2	9	5
D70611-M10	D7061100-M10	M 10	1,5	100	20	39	10	8	11	5

≤ M 1.4: 5HX

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

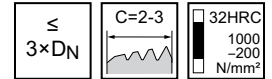
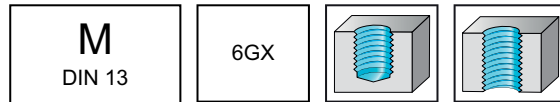
HSS-E machine thread formers

mm

Protodyn® C

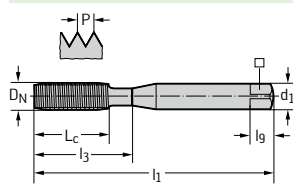


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●						

DIN 2174



Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
D7063100-M3	M 3	0,5	56	9	18	3,5	2,7	6	4
D7063100-M4	M 4	0,7	63	12	21	4,5	3,4	6	5
D7063100-M6	M 6	1	80	15	30	6	4,9	8	5
D7063100-M8	M 8	1,25	90	18	35	8	6,2	9	5
D7063100-M10	M 10	1,5	100	20	39	10	8	11	5

Parallel shank

C2

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

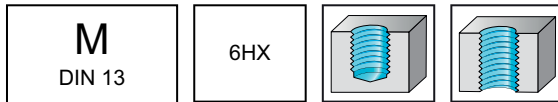
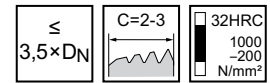
HSS-E machine thread formers

mm

Protodyn® SC

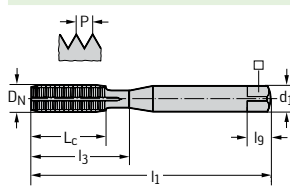


– For long-chipping materials



	P	M	K	N	S	H	O
NID	●			●			
uncoated	●			●			

DIN 2174



Parallel shank

Designation NID	Designation uncoated	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
D70617-M3	D7061700-M3	M 3	0,5	56	9	18	3,5	2,7	6	4
D70617-M3.5		M 3.5	0,6	56	11	20	4	3	6	4
D70617-M4	D7061700-M4	M 4	0,7	63	12	21	4,5	3,4	6	5
D70617-M5	D7061700-M5	M 5	0,8	70	13	25	6	4,9	8	5
D70617-M6	D7061700-M6	M 6	1	80	15	30	6	4,9	8	5
D70617-M8	D7061700-M8	M 8	1,25	90	18	35	8	6,2	9	5
D70617-M10	D7061700-M10	M 10	1,5	100	20	39	10	8	11	5

C2

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

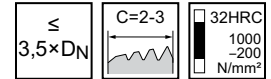
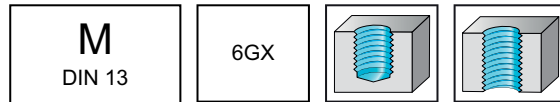
HSS-E machine thread formers

mm

Protodyn® SC

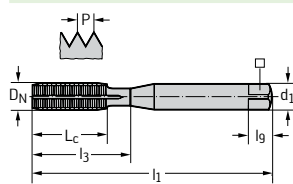


– For long-chipping materials



	P	M	K	N	S	H	O
uncoated	●			●			

DIN 2174



Parallel shank

Designation uncoated	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N
D7063700-M3	M 3	0,5	56	9	18	3,5	2,7	6	4
D7063700-M4	M 4	0,7	63	12	21	4,5	3,4	6	5
D7063700-M5	M 5	0,8	70	13	25	6	4,9	8	5
D7063700-M6	M 6	1	80	15	30	6	4,9	8	5

C2

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

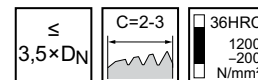
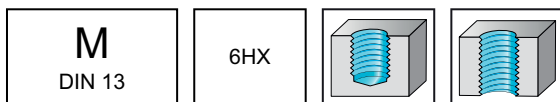
HSS-E machine thread formers

mm

Protodyn® SF

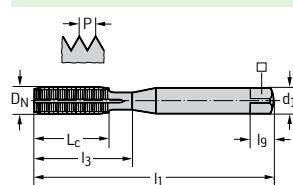


– For long-chipping materials



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●		

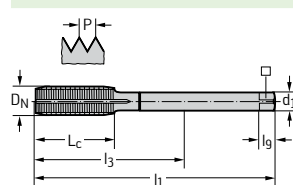
DIN 2174



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
D7061706-M3	M 3	0,5	56	9	18	3,5	2,7	6	4
D7061706-M4	M 4	0,7	63	12	21	4,5	3,4	6	5
D7061706-M5	M 5	0,8	70	13	25	6	4,9	8	5
D7061706-M6	M 6	1	80	15	30	6	4,9	8	5
D7061706-M8	M 8	1,25	90	18	35	8	6,2	9	5
D7061706-M10	M 10	1,5	100	20	39	10	8	11	5

DIN 2174



Parallel shank

Designation TICN	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N
D7066706-M12	M 12	1,75	110	23	83	9	7	10	5
D7066706-M14	M 14	2	110	25	81	11	9	12	6
D7066706-M16	M 16	2	110	25	68	12	9	12	6

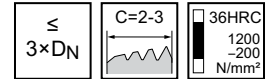
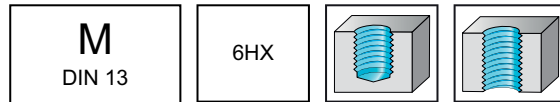
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide machine thread formers

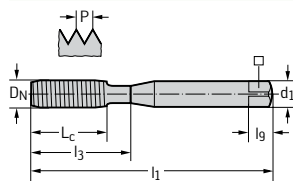
TC470 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WG20EL	●●		●	●			

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N	WG20EL
TC470-M3-C0-	M 3	0,5	56	10	10	3,5	2,7	6	4	☹
TC470-M4-C0-	M 4	0,7	63	13	13	4,5	3,4	6	5	☹
TC470-M5-C0-	M 5	0,8	70	16	16	6	4,9	8	5	☹
TC470-M6-C0-	M 6	1	80	10	30	6	4,9	8	5	☹
TC470-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	6	☹
TC470-M10-C0-	M 10	1,5	100	15	39	10	8	11	7	☹

Ordering example for the grade WG20EL: TC470-M10-C0-WG20EL

C2

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide machine thread formers

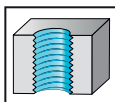
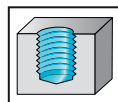
TC470 Supreme



– For long-chipping materials

M
DIN 13

6HX



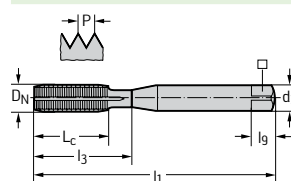
≤
3,5×D_N

C=2-3

36HRC
1200
-200
N/mm²

	P	M	K	N	S	H	O
WG20EL	●●		●	●			

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N	WG20EL
TC470-M4-C6-	M 4	0,7	63	13	13	4,5	3,4	6	5	☺
TC470-M5-C6-	M 5	0,8	70	16	16	6	4,9	8	5	☺
TC470-M6-C6-	M 6	1	80	10	30	6	4,9	8	5	☺
TC470-M8-C6-	M 8	1,25	90	12	35	8	6,2	9	6	☺
TC470-M10-C6-	M 10	1,5	100	15	39	10	8	11	7	☺

Parallel shank

Ordering example for the grade WG20EL: TC470-M10-C6-WG20EL

C2

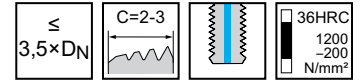
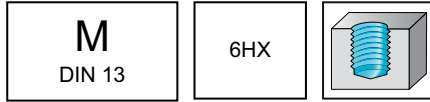
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide machine thread formers

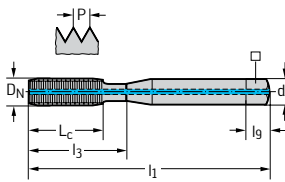
TC470 Supreme 

- For long-chipping materials



	P	M	K	N	S	H	O
WG20EL	●●		●	●			

DIN 2174



Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	 mm	l ₉ mm	N	WG20EL
TC470-M5-C5-	M 5	0,8	70	16	16	6	4,9	8	5	
TC470-M6-C5-	M 6	1	80	10	30	6	4,9	8	5	
TC470-M8-C5-	M 8	1,25	90	12	35	8	6,2	9	6	
TC470-M10-C5-	M 10	1,5	100	15	39	10	8	11	7	

Parallel shank

Ordering example for the grade WG20EL: TC470-M10-C5-WG20EL

C2

WALTER
SELECT

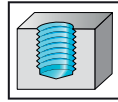
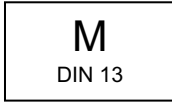
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide machine thread formers

TC470 Supreme

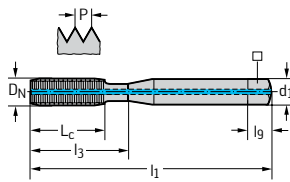


– For long-chipping materials



	P	M	K	N	S	H	O
WG20EL	●●		●	●			

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N	WG20EL
TC470-M5-CE-	M 5	0,8	70	16	16	6	4,9	8	5	☹
TC470-M6-CE-	M 6	1	80	10	30	6	4,9	8	5	☹
TC470-M8-CE-	M 8	1,25	90	12	35	8	6,2	9	6	☹
TC470-M10-CE-	M 10	1,5	100	15	39	10	8	11	7	☹

Ordering example for the grade WG20EL: TC470-M10-CE-WG20EL

C2

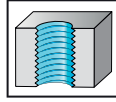
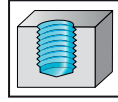
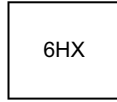
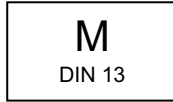
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide machine thread formers

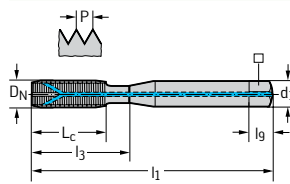
TC470 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WG20EL	●●		●	●			

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N	WG20EL
TC470-M6-C2-	M 6	1	80	10	30	6	4,9	8	5	☹
TC470-M8-C2-	M 8	1,25	90	12	35	8	6,2	9	6	☹
TC470-M10-C2-	M 10	1,5	100	15	39	10	8	11	7	☹

Ordering example for the grade WG20EL: TC470-M10-C2-WG20EL

C2

WALTER
SELECT

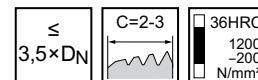
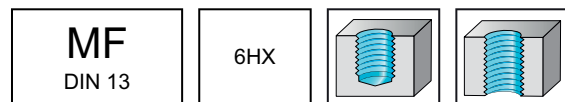
●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

HSS-E machine thread formers

TC410 Advance mm

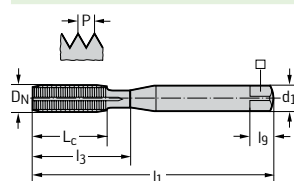


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●●	●●	●●	●●	●●	●●

DIN 2174

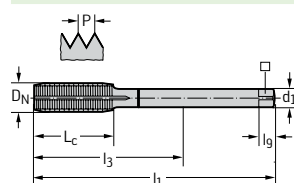


Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M4X0.5-C6-	MF 4x0.5	0,5	63	12	21	4,5	3,4	6	5	●●
TC410-M5X0.5-C6-	MF 5x0.5	0,5	70	13	25	6	4,9	8	5	●●
TC410-M6X0.5-C6-	MF 6x0.5	0,5	80	15	30	6	4,9	8	5	●●
TC410-M6X0.75-C6-	MF 6x0.75	0,75	80	15	30	6	4,9	8	5	●●
TC410-M7X0.75-C6-	MF 7x0.75	0,75	80	15	30	7	5,5	8	5	●●

Parallel shank

Ordering example for the grade WY80AD: TC410-M4X0.5-C6-WY80AD

DIN 2174



Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-M8X0.5-L6-	MF 8x0.5	0,5	80	15	57	6	4,9	8	5	●●
TC410-M8X0.75-L6-	MF 8x0.75	0,75	80	15	57	6	4,9	8	5	●●
TC410-M8X1-L6-	MF 8x1	1	90	18	67	6	4,9	8	5	●●
TC410-M10X1-L6-	MF 10x1	1	90	20	67	7	5,5	8	6	●●
TC410-M10X1.25-L6-	MF 10x1.25	1,25	100	20	77	7	5,5	8	6	●●
TC410-M12X1-L6-	MF 12x1	1	100	21	73	9	7	10	6	●●
TC410-M12X1.25-L6-	MF 12x1.25	1,25	100	21	73	9	7	10	6	●●
TC410-M12X1.5-L6-	MF 12x1.5	1,5	100	21	73	9	7	10	6	●●
TC410-M14X1.5-L6-	MF 14x1.5	1,5	100	21	71	11	9	12	6	●●
TC410-M16X1.5-L6-	MF 16x1.5	1,5	100	21	58	12	9	12	6	●●
TC410-M18X1.5-L6-	MF 18x1.5	1,5	110	24	66	14	11	14	7	●●
TC410-M20X1.5-L6-	MF 20x1.5	1,5	125	24	80	16	12	15	7	●●
TC410-M20X2-L6-	MF 20x2	2	140	30	95	16	12	15	7	●●
TC410-M22X1.5-L6-	MF 22x1.5	1,5	125	24	78	18	14,5	17	7	●●
TC410-M24X1.5-L6-	MF 24x1.5	1,5	140	26	93	18	14,5	17	8	●●
TC410-M24X2-L6-	MF 24x2	2	140	26	93	18	14,5	17	8	●●
TC410-M27X1.5-L6-	MF 27x1.5	1,5	140	26	77	20	16	19	8	●●
TC410-M27X2-L6-	MF 27x2	2	140	26	77	20	16	19	8	●●
TC410-M30X1.5-L6-	MF 30x1.5	1,5	150	26	85	22	18	21	8	●●
TC410-M30X2-L6-	MF 30x2	2	150	26	85	22	18	21	8	●●

Ordering example for the grade WY80AD: TC410-M10X1-L6-WY80AD

**WALTER
SELECT**

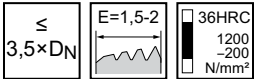
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine thread formers
TC410 Advance

mm



– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●	●	●●	●		

DIN 2174										
Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC410-M10X1-NE-	MF 10x1	1	90	20	67	7	5,5	8	6	☹
TC410-M12X1.5-NE-	MF 12x1.5	1,5	100	21	73	9	7	10	6	☹
TC410-M14X1.5-NE-	MF 14x1.5	1,5	100	21	71	11	9	12	7	☹
TC410-M16X1.5-NE-	MF 16x1.5	1,5	100	21	58	12	9	12	7	☹

Parallel shank

Ordering example for the grade WY80AD: TC410-M10X1-NE-WY80AD

HSS-E-PM machine thread formers

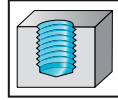
TC420 Supreme



– For long-chipping materials

MF
DIN 13

6HX



$\leq$
 $3,5 \times D_N$

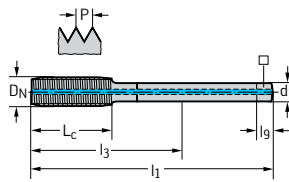
$C=2-3$



36HRC
1200
200
N/mm²

	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		

DIN 2174



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h9 mm	$\square$ mm	l_g mm	N	WW60AD
TC420-M8X1-L1-	MF 8x1	1	90	12	67	6	4,9	8	5	☹
TC420-M10X1-L1-	MF 10x1	1	90	12	67	7	5,5	8	6	☹
TC420-M12X1.5-L1-	MF 12x1.5	1,5	100	13	73	9	7	10	6	☹
TC420-M14X1.5-L1-	MF 14x1.5	1,5	100	15	71	11	9	12	6	☹

Parallel shank

Ordering example for the grade WW60AD: TC420-M10X1-L1-WW60AD

C2

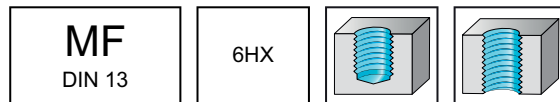
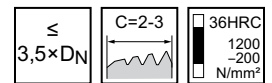
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E-PM machine thread formers

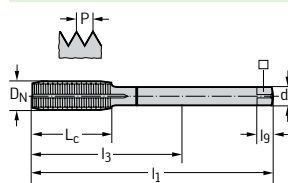
TC420 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h ₉ mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M8X1-L6-	MF 8x1	1	90	12	67	6	4,9	8	5	☹	☹
TC420-M10X1-L6-	MF 10x1	1	90	12	67	7	5,5	8	6	☹	☹
TC420-M12X1-L6-	MF 12x1	1	100	13	73	9	7	10	6	☹	☹
TC420-M12X1.5-L6-	MF 12x1.5	1,5	100	13	73	9	7	10	6	☹	☹
TC420-M14X1-L6-	MF 14x1	1	100	15	71	11	9	12	6	☹	☹
TC420-M14X1.25-L6-	MF 14x1.25	1,25	100	15	71	11	9	12	6	☹	
TC420-M14X1.5-L6-	MF 14x1.5	1,5	100	15	71	11	9	12	6	☹	☹
TC420-M16X1.5-L6-	MF 16x1.5	1,5	100	15	58	12	9	12	6	☹	☹

Ordering example for the grade WW60AD: TC420-M10X1-L6-WW60AD

C2

WALTER
SELECT

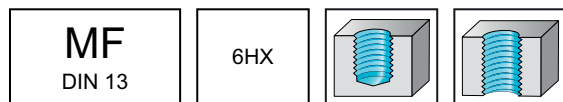
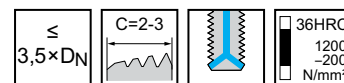
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E-PM machine thread formers

TC420 Supreme

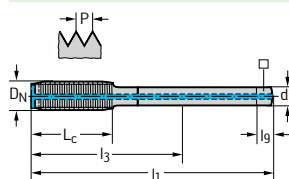


– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	5	●●	●●
TC420-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	6	●●	●●
TC420-M12X1-L2-	MF 12x1	1	100	13	73	9	7	10	6	●●	●●
TC420-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	6	●●	●●
TC420-M14X1.5-L2-	MF 14x1.5	1,5	100	15	71	11	9	12	6	●●	●●
TC420-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	6	●●	●●

Ordering example for the grade WW60AD: TC420-M10X1-L2-WW60AD

C2

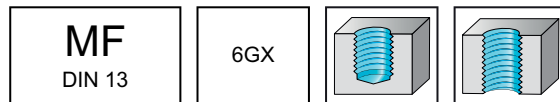
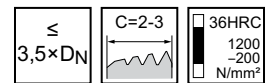
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

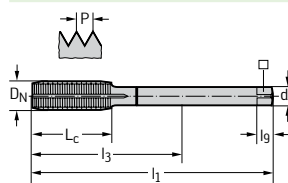
TC420 Supreme 

– For long-chipping materials



	P	M	K	N	S	H	O
WW60AD	●●	●●	●	●●	●		
WW60BA	●●	●●	●	●●	●		

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60BA
TC420-M8X1-N6-	MF 8x1	1	90	12	67	6	4,9	8	5	☹	☹
TC420-M10X1-N6-	MF 10x1	1	90	12	67	7	5,5	8	6	☹	☹
TC420-M12X1-N6-	MF 12x1	1	100	13	73	9	7	10	6	☹	☹
TC420-M12X1.5-N6-	MF 12x1.5	1,5	100	13	73	9	7	10	6	☹	
TC420-M14X1.5-N6-	MF 14x1.5	1,5	100	15	71	11	9	12	6	☹	☹
TC420-M16X1.5-N6-	MF 16x1.5	1,5	100	15	58	12	9	12	6	☹	☹

Ordering example for the grade WW60AD: TC420-M10X1-N6-WW60AD

C2

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

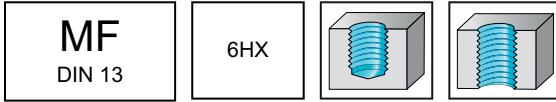
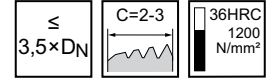
HSS-E machine thread formers

mm

Protodyn® S Synchrospeed

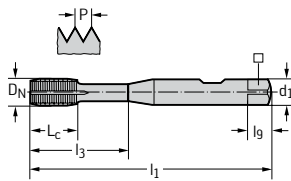


- For long-chipping materials
- Only for synchronous machining (rigid tapping)



	P	M	K	N	S	H	O
TIN	●●	●●	●●	●●	●		

~DIN 2174



Parallel shank

Designation TIN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l _g mm	N
S2166305-M8X1	MF 8x1	1	90	6	35	8	6,2	9	5
S2166305-M10X1	MF 10x1	1	90	6	39	10	8	11	5

C2

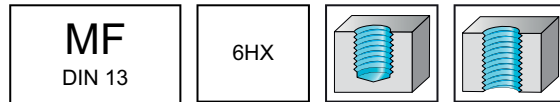
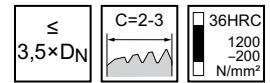
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

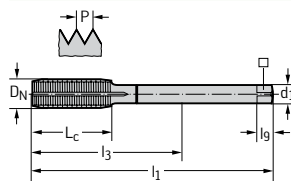
TC430 Supreme 

- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60EL	●●	●	●	●	●	●	●
WW60AD	●●	●	●	●	●	●	●

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60EL	WW60AD
TC430-M8X1-L6-	MF 8x1	1	90	12	67	6	4,9	8	6	☒	☒
TC430-M10X1-L6-	MF 10x1	1	90	12	67	7	5,5	8	7	☒	☒
TC430-M10X1.25-L6-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	☒	☒
TC430-M12X1.25-L6-	MF 12x1.25	1,25	100	13	73	9	7	10	8	☒	☒
TC430-M12X1.5-L6-	MF 12x1.5	1,5	100	13	73	9	7	10	8	☒	☒
TC430-M14X1.5-L6-	MF 14x1.5	1,5	100	15	71	11	9	12	8	☒	☒
TC430-M16X1.5-L6-	MF 16x1.5	1,5	100	15	58	12	9	12	8	☒	☒

Ordering example for the grade WW60EL: TC430-M10X1-L6-WW60EL

C2

WALTER
SELECT

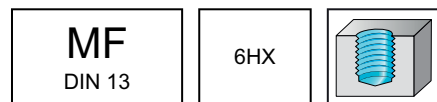
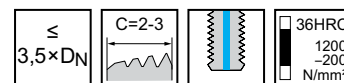
●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☒ machining conditions

HSS-E-PM machine thread formers

TC430 Supreme

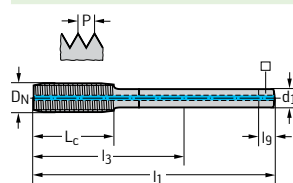


- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60EL	●●	●	●	●	●	●	●
WW60AD	●●	●	●	●	●	●	●

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l _g mm	N	WW60EL	WW60AD
TC430-M8X1-L1-	MF 8x1	1	90	12	67	6	4,9	8	6	●●	●
TC430-M10X1-L1-	MF 10x1	1	90	12	67	7	5,5	8	7	●●	●
TC430-M10X1.25-L1-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	●●	●●
TC430-M12X1-L1-	MF 12x1	1	100	13	73	9	7	10	8	●●	●
TC430-M12X1.25-L1-	MF 12x1.25	1,25	100	13	73	9	7	10	8	●●	●●
TC430-M12X1.5-L1-	MF 12x1.5	1,5	100	13	73	9	7	10	8	●●	●●
TC430-M14X1.5-L1-	MF 14x1.5	1,5	100	15	71	11	9	12	8	●●	●●
TC430-M16X1.5-L1-	MF 16x1.5	1,5	100	15	58	12	9	12	8	●●	●●

Ordering example for the grade WW60EL: TC430-M10X1-L1-WW60EL

C2

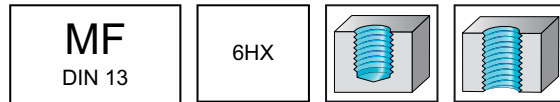
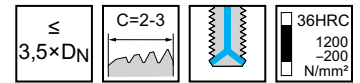
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E-PM machine thread formers

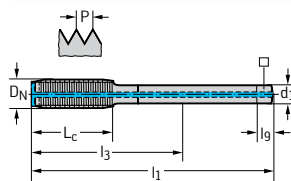
TC430 Supreme 

- For long-chipping materials
- ISO M only with oil



	P	M	K	N	S	H	O
WW60AD	●●	●	●	●	●	●	●
WW60EL	●●	●	●	●	●	●	●

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WW60AD	WW60EL
TC430-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	6	☹	☹
TC430-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	7	☹	☹
TC430-M10X1.25-L2-	MF 10x1.25	1,25	100	15	77	7	5,5	8	7	☹	☹
TC430-M12X1-L2-	MF 12x1	1	100	13	73	9	7	10	8	☹	☹
TC430-M12X1.25-L2-	MF 12x1.25	1,25	100	13	73	9	7	10	8	☹	☹
TC430-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	8	☹	☹
TC430-M14X1.5-L2-	MF 14x1.5	1,5	100	15	71	11	9	12	8	☹	☹
TC430-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	8	☹	☹

Ordering example for the grade WW60AD: TC430-M10X1-L2-WW60AD

C2

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E machine thread formers

mm

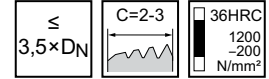
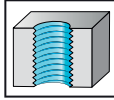
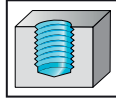
Protodyn® SF



– For long-chipping materials

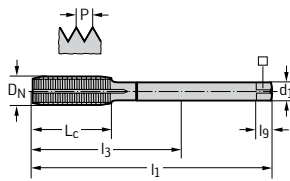
MF
DIN 13

6HX



TICN	P	M	K	N	S	H	O
	●●	●●	●●	●●	●		

DIN 2174



Parallel shank

Designation TICN	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N
D7166706-M8X1	MF 8x1	1	90	18	67	6	4,9	8	5
D7166706-M10X1	MF 10x1	1	90	20	67	7	5,5	8	5
D7166706-M10X1.25	MF 10x1.25	1,25	100	20	77	7	5,5	8	5
D7166706-M12X1	MF 12x1	1	100	21	73	9	7	10	5
D7166706-M12X1.5	MF 12x1.5	1,5	100	21	73	9	7	10	5
D7166706-M14X1.5	MF 14x1.5	1,5	100	21	71	11	9	12	6
D7166706-M16X1.5	MF 16x1.5	1,5	100	21	58	12	9	12	6

C2

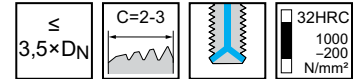
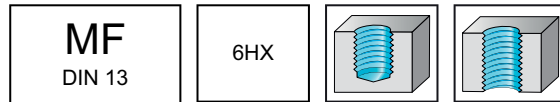
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

HSS-E machine thread formers

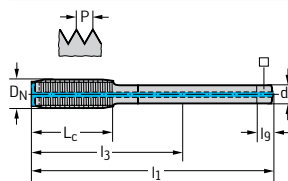
TC440 Supreme 

- For long-chipping materials
- For stainless steels when using emulsion



	P	M	K	N	S	H	O
WY80AD	●	●●	●	●	●	●	●

DIN 2174



Parallel shank

Designation	D _N	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC440-M8X1-L2-	MF 8x1	1	90	12	67	6	4,9	8	5	☹
TC440-M10X1-L2-	MF 10x1	1	90	12	67	7	5,5	8	5	☹
TC440-M12X1.5-L2-	MF 12x1.5	1,5	100	13	73	9	7	10	5	☹
TC440-M14X1.5-L2-	MF 14x1.5	1,5	100	15	58	11	9	12	6	☹
TC440-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	6	☹
TC440-M18X1.5-L2-	MF 18x1.5	1,5	110	17	66	14	11	14	6	☹

Ordering example for the grade WY80AD: TC440-M10X1-L2-WY80AD

C2

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide machine thread formers

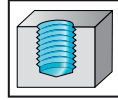
TC470 Supreme



– For long-chipping materials

MF
DIN 13

6HX



$\leq$
 $3,5 \times D_N$

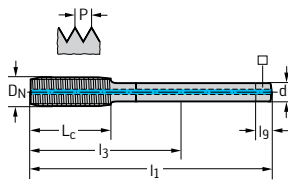
$C=2-3$



36HRC
1200
200
N/mm²

	P	M	K	N	S	H	O
WG20EL	●●		●	●			

DIN 2174



Designation	D_N	P mm	l_1 mm	L_c mm	l_3 mm	d_1 h6 mm	$\square$ mm	l_g mm	N	WG20EL
TC470-M10X1-L5-	MF 10x1	1	90	14	67	7	5,5	8	7	☹
TC470-M12X1.5-L5-	MF 12x1.5	1,5	100	13	73	9	7	10	8	☹
TC470-M16X1.5-L5-	MF 16x1.5	1,5	100	15	58	12	9	12	8	☹

Parallel shank

Ordering example for the grade WG20EL: TC470-M10X1-L5-WG20EL

C2

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide machine thread formers

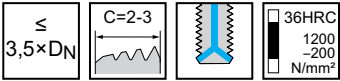
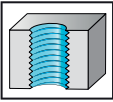
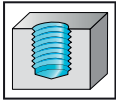
TC470 Supreme



– For long-chipping materials

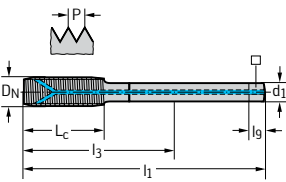
MF
DIN 13

6HX



	P	M	K	N	S	H	O
WG20EL	●●		●	●			

DIN 2174



Parallel shank

Designation	DN	P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h6 mm	□ mm	l ₉ mm	N	WG20EL
TC470-M16X1.5-L2-	MF 16x1.5	1,5	100	15	58	12	9	12	8	☹

Ordering example for the grade WG20EL: TC470-M16X1.5-L2-WG20EL

WALTER
SELECT

Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

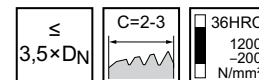
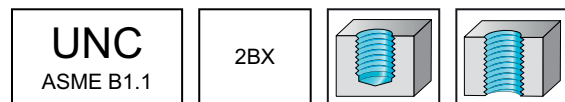
●● Primary application ● Other application

HSS-E machine thread formers

TC410 Advance mm



– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●●	●●	●●	●		

DIN 2184-1

Designation	D _N -P	D _N -P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-UNC2-C6-	UNC #2-56	2,184	45	7	12	2,8	2,1	5	3	☹
TC410-UNC4-C6-	UNC #4-40	2,845	56	9	18	3,5	2,7	6	3	☹
TC410-UNC6-C6-	UNC #6-32	3,505	56	11	20	4	3	6	4	☹
TC410-UNC8-C6-	UNC #8-32	4,166	63	12	21	4,5	3,4	6	5	☹
TC410-UNC10-C6-	UNC #10-24	4,826	70	13	25	6	4,9	8	5	☹
TC410-UNC1/4-C6-	UNC 1/4-20	6,35	80	15	30	7	5,5	8	5	☹
TC410-UNC5/16-C6-	UNC 5/16-18	7,938	90	18	35	8	6,2	9	5	☹
TC410-UNC3/8-C6-	UNC 3/8-16	9,525	100	20	39	10	8	11	5	☹

Ordering example for the grade WY80AD: TC410-UNC1/4-C6-WY80AD

DIN 2184-1

Designation	D _N -P	D _N -P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l ₉ mm	N	WY80AD
TC410-UNC7/16-L6-	UNC 7/16-14	11,113	100	20	76	8	6,2	9	6	☹
TC410-UNC1/2-L6-	UNC 1/2-13	12,7	110	23	83	9	7	10	6	☹
TC410-UNC5/8-L6-	UNC 5/8-11	15,875	110	25	68	12	9	12	6	☹

Ordering example for the grade WY80AD: TC410-UNC1/2-L6-WY80AD

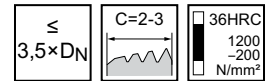
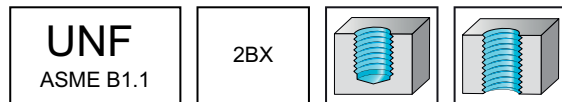
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

HSS-E machine thread formers

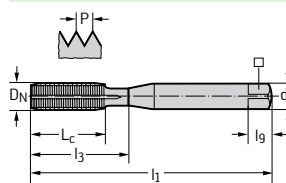
TC410 Advance 

– For long-chipping materials



	P	M	K	N	S	H	O
WY80AD	●●	●●	●●	●●	●		

DIN 2184-1

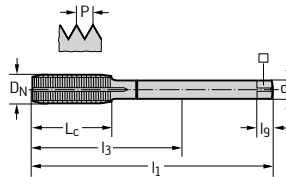


Parallel shank

Designation	D _N -P	D _N -P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AD
TC410-UNF2-C6-	UNF #2-64	2,184	45	7	12	2,8	2,1	5	3	☼
TC410-UNF4-C6-	UNF #4-48	2,845	56	9	18	3,5	2,7	6	3	☼
TC410-UNF6-C6-	UNF #6-40	3,505	56	11	20	4	3	6	4	☼
TC410-UNF8-C6-	UNF #8-36	4,166	63	12	21	4,5	3,4	6	5	☼
TC410-UNF10-C6-	UNF #10-32	4,826	70	13	25	6	4,9	8	5	☼
TC410-UNF1/4-C6-	UNF 1/4-28	6,35	80	15	30	7	5,5	8	5	☼
TC410-UNF5/16-C6-	UNF 5/16-24	7,938	90	18	35	8	6,2	9	5	☼
TC410-UNF3/8-C6-	UNF 3/8-24	9,525	90	20	39	10	8	11	5	☼

Ordering example for the grade WY80AD: TC410-UNF1/4-C6-WY80AD

DIN 2184-1



Parallel shank

Designation	D _N -P	D _N -P mm	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	mm	l _g mm	N	WY80AD
TC410-UNF7/16-L6-	UNF 7/16-20	11,113	100	20	76	8	6,2	9	6	☼
TC410-UNF1/2-L6-	UNF 1/2-20	12,7	100	21	73	9	7	10	6	☼
TC410-UNF5/8-L6-	UNF 5/8-18	15,875	100	21	58	12	9	12	6	☼

Ordering example for the grade WY80AD: TC410-UNF1/2-L6-WY80AD

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☼ machining conditions

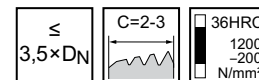
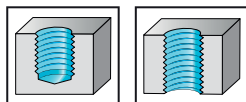
HSS-E machine thread formers

TC410 Advance



– For long-chipping materials

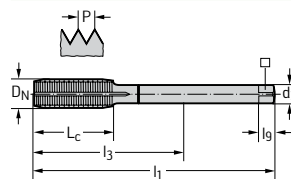
G (BSP)
DIN EN ISO 228



	P	M	K	N	S	H	O
WY80AD	●●	●●	●	●●	●		

DIN 2189

Designation	D _N -P	D _N -P mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N	WY80AD
TC410-G1/8-N6-	G 1/8-28	9,728	28	90	20	67	7	5,5	8	5	☹
TC410-G1/4-N6-	G 1/4-19	13,157	19	100	21	71	11	9	12	6	☹
TC410-G3/8-N6-	G 3/8-19	16,662	19	100	21	58	12	9	12	6	☹
TC410-G1/2-N6-	G 1/2-14	20,955	14	125	24	80	16	12	15	7	☹
TC410-G3/4-N6-	G 3/4-14	26,441	14	140	26	77	20	16	19	8	☹
TC410-G1-N6-	G 1"-11	33,249	11	160	28	93	25	20	23	8	☹



Parallel shank

Ordering example for the grade WY80AD: TC410-G1-N6-WY80AD

C2

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

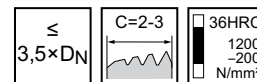
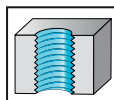
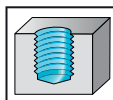
HSS-E machine thread formers

mm

Protodyn® SF

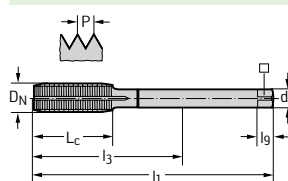


– For long-chipping materials

G (BSP)
DIN EN ISO 228


	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●		

DIN 2189



Parallel shank

Designation TICN	D _N -P	D _N -P mm	Threads per inch	l ₁ mm	L _c mm	l ₃ mm	d ₁ h9 mm	□ mm	l ₉ mm	N
D7466706-G1/8	G 1/8-28	9,728	28	90	20	67	7	5,5	8	5
D7466706-G1/4	G 1/4-19	13,157	19	100	21	71	11	9	12	6
D7466706-G3/8	G 3/8-19	16,662	19	100	21	58	12	9	12	6
D7466706-G1/2	G 1/2-14	20,955	14	125	24	80	16	12	15	7

C2

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

C2

Drill thread milling cutters

Machining



Thread depth

2 x D_N2 x D_N2 x D_N2,5 x D_N2,5 x D_N

NEW

NEW

NEW

NEW



Designation

TC685 Supreme

TMD

Thrill-tec™

TC685 Supreme

Thrill-tec™

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

✓

✓

UNC / UNF / UN-8

✓

✓

G / Rc / Rp

✓

✓

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

✓

✓

✓

✓

Additional services

Coolant supply

External / axial

axial

axial

External / axial

axial

Coating / grade

WB10RC

NHC / TAX

WB10TJ

WB10RC

WB10TJ

Cutting tool material

VHM

VHM

VHM

VHM

VHM

P Steel

●

●●

●

●●

M Stainless steel

●●

●●

K Cast iron

●

●●

●●

●

●●

N NF metals

●●

●●

●●

●●

S Materials with difficult cutting properties

●

●●

●

●●

H Hard materials

●●

●●

●●

O Other

●

●

Page in catalogue

C 368

C 362

C 363

C 370

C 364

QR code


www.walter-tools.com/woc/

TC685

tmd

TC645

TC685

TC645

WALTER SELECT

●● Primary application ● Other application

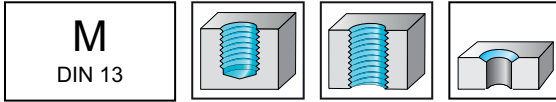
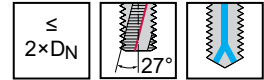
Solid carbide drill thread milling cutters

mm

TMD



- Drilling, countersinking and thread milling in one operation
- Drill thread milling cutters



M
DIN 13

	P	M	K	N	S	H	O
NHC				●●			
TAX			●●	●●			

Tool

Designation	P mm	D _c mm	D _a mm	L _c mm	L _{c3} mm	d ₄ mm	L _{c1} mm	L _{c2} mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
H5075011-M6	1	5	4,75	11	14,7	6,3	13,8	1	62	26	8	3
H5075011-M8	1,25	6,8	6,42	13,8	18,9	8,3	17,7	1,25	74	34	10	3
DIN 6535 HA												
H5075018-M6	1	5	4,75	11	14,7	6,3	13,8	1	62	26	8	3
H5075018-M8	1,25	6,8	6,42	13,8	18,9	8,3	17,7	1,25	74	34	10	3
H5075018-M10	1,5	8,5	8,07	18	23,7	10,3	22,2	1,5	80	35	12	3
DIN 6535 HA												

C3

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

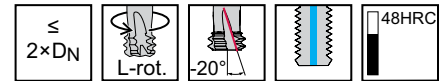
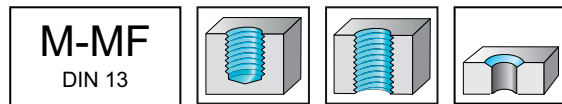
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™

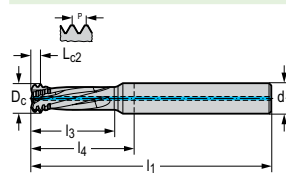


- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

Designation	D _N	D _c mm	L _{c2} mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
★ TC645-M4-A1D-	M 4	3,05	0,77	8	50	14	6	4	☹
★ TC645-M5-A1D-	M 5	3,9	0,89	10	50	14	6	4	☹
★ TC645-M6-A1D-	M 6	4,5	1,1	12	50	14	6	4	☹
★ TC645-M8-A1D-	M 8	6,2	1,39	16	63	27	8	4	☹
★ TC645-M10-A1D-	M 10	7,8	1,47	20	63	27	8	4	☹
★ TC645-M12-A1D-	M 12	8,7	1,95	24	72	32	10	4	☹

Maximum nominal thread diameter for fine thread: $D_c \times 1.94$ | Example: TC645-M8.. /6.2 mm $\times 1.94 = 12.03$ mm/MF 12 $\times$ 1.25 possible | Ordering example for the grade WB10TJ: TC645-M10-A1D-WB10TJ

C3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

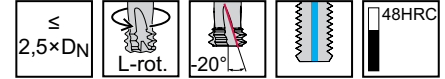
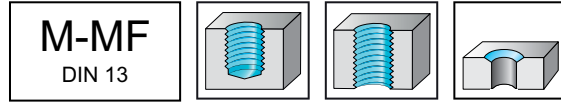
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool	Designation	D _N	D _c mm	L _{c2} mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HA	★ TC645-M4-A1E-	M 4	3,05	0,77	10	50	14	6	4	☹
	★ TC645-M5-A1E-	M 5	3,9	0,89	12,5	57	21	6	4	☹
	★ TC645-M6-A1E-	M 6	4,5	1,1	15	57	21	6	4	☹
	★ TC645-M8-A1E-	M 8	6,2	1,39	20	63	27	8	4	☹
	★ TC645-M10-A1E-	M 10	7,8	1,67	25	63	27	8	4	☹
	★ TC645-M12-A1E-	M 12	8,7	1,95	30	72	33	10	4	☹

Maximum nominal thread diameter for fine thread: $D_c \times 1.94$ | Example: TC645-M8.. /6.2 mm $\times 1.94 = 12.03$ mm/MF 12 $\times$ 1.25 possible | Ordering example for the grade WB10TJ: TC645-M10-A1E-WB10TJ

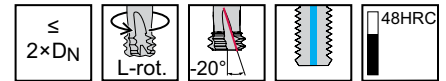
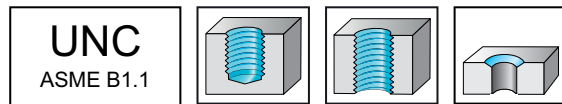
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	D _c mm	L _{c2} mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HA	★	TC645-UNC8-A1D-	UNC #8-32	3,1	0,87	8,331	50	14	6	4	☹
	★	TC645-UNC10-A1D-	UNC #10-24	3,5	1,14	9,652	50	14	6	4	☹
	★	TC645-UNC1/4-A1D-	UNC 1/4-20	4,6	1,38	12,7	57	21	6	4	☹
	★	TC645-UNC5/16-A1D-	UNC 5/16-18	5,9	1,55	15,875	57	21	6	4	☹
	★	TC645-UNC3/8-A1D-	UNC 3/8-16	7,2	1,75	19,05	63	27	8	4	☹
	★	TC645-UNC7/16-A1D-	UNC 7/16-14	8,5	2,01	22,225	72	32	10	4	☹
	★	TC645-UNC1/2-A1D-	UNC 1/2-13	9,2	2,17	25,4	72	32	10	4	☹

Ordering example for the grade WB10TJ: TC645-UNC1/2-A1D-WB10TJ

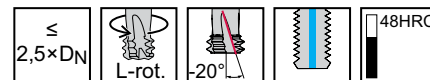
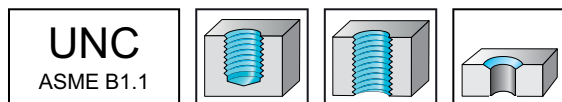
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™

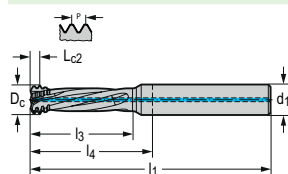


- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●	●●	●●

Tool



DIN 6535 HA

Designation	DN	Dc mm	Lc2 mm	l3 mm	l1 mm	l4 mm	d1 h6 mm	Z	WB10TJ
★ TC645-UNC8-A1E-	UNC #8-32	3,1	0,87	10,414	50	14	6	4	☹
★ TC645-UNC10-A1E-	UNC #10-24	3,5	1,14	12,065	57	21	6	4	☹
★ TC645-UNC1/4-A1E-	UNC 1/4-20	4,6	1,38	15,875	57	21	6	4	☹
★ TC645-UNC5/16-A1E-	UNC 5/16-18	5,9	1,55	19,844	57	22	6	4	☹
★ TC645-UNC3/8-A1E-	UNC 3/8-16	7,2	1,75	23,813	63	27	8	4	☹
★ TC645-UNC7/16-A1E-	UNC 7/16-14	8,5	2,01	27,781	72	32	10	4	☹
★ TC645-UNC1/2-A1E-	UNC 1/2-13	9,2	2,17	31,75	80	40	10	4	☹

Ordering example for the grade WB10TJ: TC645-UNC1/2-A1E-WB10TJ

C3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

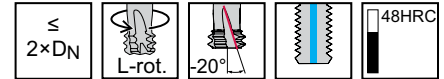
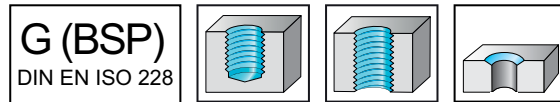
Orbital drill thread milling cutter

TC645 Supreme

Thrill-tec™



- Orbital drill thread milling cutters for universal application
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool

	Designation	D _N	Threads per inch	D _c mm	L _{c2} mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
	★ TC645-G1/16-A1D-	G 1/16-28	28	6,2	0,98	15,446	58	22	8	4	☹
	★ TC645-G1/8-A1D-	G 1/8-28	28	8,05	1,01	19,456	64	24	10	4	☹
	★ TC645-G1/4-A1D-	G 1/4-19	19	10,2	1,49	26,35	77	32	12	4	☹
DIN 6535 HA											

Ordering example for the grade WB10TJ: TC645-G1/16-A1D-WB10TJ

WALTER
SELECT

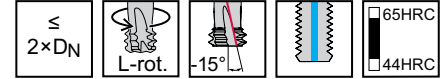
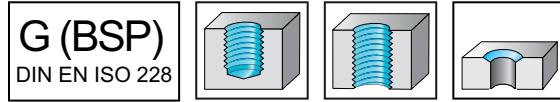
● ● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Orbital drill thread milling cutter

TC685 Supreme

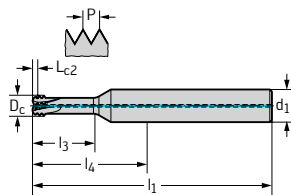


- Orbital drill thread milling cutters for hardened materials
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10RC	●		●		●	●	

Tool



DIN 6535 HA

Designation	D _N	P	D _c mm	L _{c2} mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10RC
★ TC685-G1/16-A1D-	G 1/16-28	28	6,2	0,98	15,446	63	27	8	4	☹
★ TC685-G1/8-A1D-	G 1/8-28	28	8,1	1,01	19,456	72	32	10	4	☹
★ TC685-G1/4-A1D-	G 1/4-19	19	10,4	1,49	26,35	83	38	12	4	☹
★ TC685-G1/2-A1D-	G 1/2-14	14	15,2	2,07	41,91	116	68	16	4	☹

Ordering example for the grade WB10RC: TC685-G1/16-A1D-WB10RC

C3

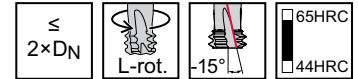
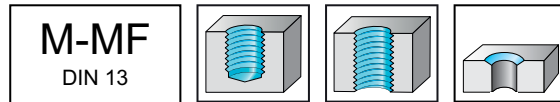
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹☹ machining conditions

Orbital drill thread milling cutter

TC685 Supreme 

- Orbital drill thread milling cutters for hardened materials
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10RC	●	●	●	●	●	●	●

Tool

	Designation	D _N	P mm	D _c mm	L _{c2} mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10RC
 DIN 6535 HA	★ TC685-M2-A0D-	M 2	0,4	1,55	0,44	4	57	21	6	4	☹
	★ TC685-M2.5-A0D-	M 2.5	0,45	1,95	0,5	5	57	21	6	4	☹
	TC685-M3-A0D-	M 3	0,5	2,35	0,55	6	50	14	6	4	☹
	TC685-M4-A0D-	M 4	0,7	3,1	0,77	8	50	14	6	4	☹
	TC685-M5-A0D-	M 5	0,8	3,9	0,89	10	57	21	6	4	☹
 DIN 6535 HA	TC685-M6-A1D-	M 6	1	4,6	1,11	12	57	21	6	4	☹
	TC685-M8-A1D-	M 8	1,25	6,2	1,39	16	63	27	8	4	☹
	TC685-M10-A1D-	M 10	1,5	7,8	1,68	20	63	27	8	4	☹
	TC685-M12-A1D-	M 12	1,75	9	1,96	24	72	32	10	4	☹
	TC685-M14-A1D-	M 14	2	10,5	2,25	28	83	38	12	4	☹
	TC685-M16-A1D-	M 16	2	12,5	2,28	32	92	44	16	4	☹
	★ TC685-M18-A1D-	M 18	2,5	13,5	2,81	36	115	67	16	4	☹
	★ TC685-M20-A1D-	M 20	2,5	15,4	2,84	40	115	67	16	4	☹

Maximum nominal thread diameter for fine thread: $D_c \times 1.94$ | Example: TC685-M8.. / $6.2 \text{ mm} \times 1.94 = 12.03 \text{ mm}$ / MF 12x1.25 possible | Ordering example for the grade WB10RC: TC685-M2-A0D-WB10RC

WALTER
SELECT

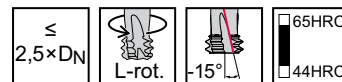
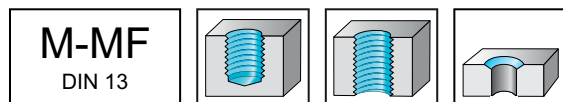
● ● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Orbital drill thread milling cutter

TC685 Supreme

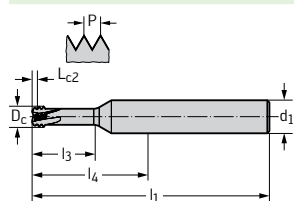


- Orbital drill thread milling cutters for hardened materials
- Chamfer, core hole and thread in one operation



	P	M	K	N	S	H	O
WB10RC	●	●	●	●	●	●	●

Tool



DIN 6535 HA

Designation	D _N	P mm	D _c mm	L _{c2} mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10RC
★ TC685-M2-A0E-	M 2	0,4	1,55	0,44	4	57	21	6	4	☹
★ TC685-M2.5-A0E-	M 2.5	0,45	1,95	0,5	5	57	21	6	4	☹
TC685-M3-A0E-	M 3	0,5	2,35	0,55	7,5	50	14	6	4	☹
TC685-M4-A0E-	M 4	0,7	3,1	0,77	10	57	21	6	4	☹
TC685-M5-A0E-	M 5	0,8	3,9	0,89	12,5	57	21	6	4	☹
TC685-M6-A1E-	M 6	1	4,6	1,11	15	57	21	6	4	☹
TC685-M8-A1E-	M 8	1,25	6,2	1,39	20	63	27	8	4	☹
TC685-M10-A1E-	M 10	1,5	7,8	1,68	25	63	27	8	4	☹
TC685-M12-A1E-	M 12	1,75	9	1,96	30	72	33	10	4	☹
TC685-M14-A1E-	M 14	2	10,5	2,25	35	83	38	12	4	☹
TC685-M16-A1E-	M 16	2	12,5	2,28	40	92	44	16	4	☹
★ TC685-M18-A1E-	M 18	2,5	13,5	2,81	36	115	67	16	4	☹
★ TC685-M20-A1E-	M 20	2,5	15,4	2,84	40	115	67	16	4	☹

Maximum nominal thread diameter for fine thread: D_c x 1.94 | Example: TC685-M8.. / 6.2 mm x 1.94 = 12.03 mm / MF 12x1.25 possible | Ordering example for the grade WB10RC: TC685-M2-A0E-WB10RC

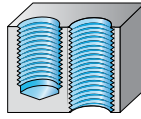
C3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Thread milling cutters with countersink

Machining



Thread depth

 $2 \times D_N$ 

Designation

TMC

Thread type

M



MF



UNC / UNF / UN-8

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape



Additional services



Coolant supply

External / axial

Coating / grade

TiCN / uncoated

Cutting tool material

VHM

P Steel



M Stainless steel



K Cast iron



N NF metals



S Materials with difficult cutting properties



H Hard materials

O Other



Page in catalogue

C 372

QR code


www.walter-tools.com/woc/

tmc

Solid carbide thread milling cutters

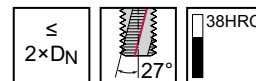
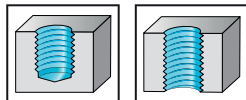
mm

TMC



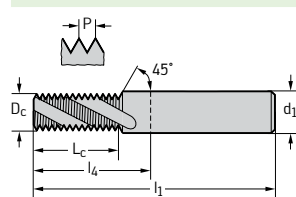
– Universal thread milling cutters with countersink

M-MF
DIN 13



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●		●
uncoated	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HA

Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
H5055006-M3	M 3	0,5	2,3	6	57	21	6	3
H505500-M3	M 3	0,5	2,3	6	57	21	6	3

C3

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

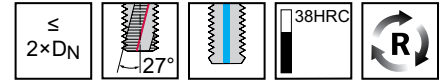
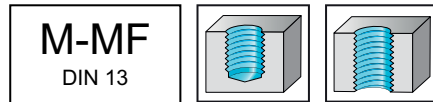
Solid carbide thread milling cutters

mm

TMC

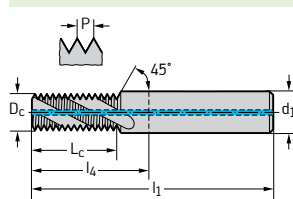


– Universal thread milling cutters with countersink



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●

Tool



DIN 6535 HA

Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
H5055016-M4	M 4	0,7	3,2	8,4	57	21	6	3
H5055016-M5	M 5	0,8	4,1	10,4	57	21	6	3
H5055016-M6	M 6	1	4,8	12	63	27	8	3
H5055016-M8	M 8	1,25	6,5	16,3	72	32	10	3
H5055016-M10	M 10	1,5	8,2	21	83	38	12	3
H5055016-M12	M 12	1,75	9,9	24,5	83	38	14	4
H5055016-M14	M 14	2	11,6	30	92	44	16	4
H5055016-M16	M 16	2	13,6	32	92	44	18	4

C3

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

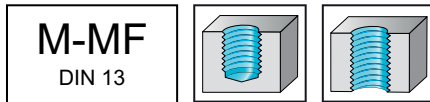
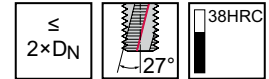
Solid carbide thread milling cutters

mm

TMC



– Universal thread milling cutters with countersink



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●

Tool	Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
DIN 6535 HB	H5055106-M3	M 3	0,5	2,3	6	57	21	6	3

C3

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

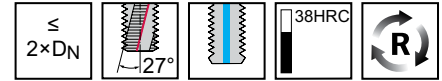
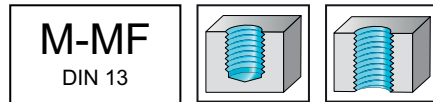
Solid carbide thread milling cutters

mm

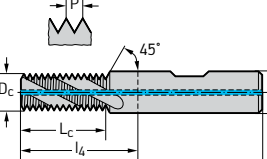
TMC



– Universal thread milling cutters with countersink



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	H5055116-M4	M 4	0,7	3,2	8,4	57	21	6	3	
	H5055116-M5	M 5	0,8	4,1	10,4	57	21	6	3	
	H5055116-M6	M 6	1	4,8	12	63	27	8	3	
	H5055116-M8	M 8	1,25	6,5	16,3	72	32	10	3	
	H5055116-M10	M 10	1,5	8,2	21	83	38	12	3	
	H5055116-M12	M 12	1,75	9,9	24,5	83	38	14	4	
	H5055116-M14	M 14	2	11,6	30	92	44	16	4	
	H5055116-M16	M 16	2	13,6	32	92	44	18	4	

DIN 6535 HB

DIN 6535 HB

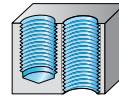
C3

WALTER
SELECT

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Thread milling cutters without countersink

Machining



Thread depth

1,5 x D_N

1,5 x D_N

1,5 x D_N

2 x D_N

2 x D_N


Designation

TC610 Supreme

TMG HRC

TMG Ni

TC611 Supreme

TC620 Supreme

Thread type

M

✓

✓

✓

✓

MF

✓

✓

✓

✓

UNC / UNF / UN-8

✓

✓

✓

G / Rc / Rp

✓

MJ / UNJC / UNJF

✓

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

✓

✓

✓

✓

✓

Additional services



Coolant supply

External / axial

External

External / axial

External / axial

axial

Coating / grade

WB10RD / WJ30RC

TAX

TICN

WB10RD / WJ30RC

WB10TJ

Cutting tool material

VHM

VHM

VHM

VHM

VHM

P Steel

●●

●●

●●

●●

●●

M Stainless steel

●●

●●

●●

●●

●●

K Cast iron

●●

●●

●●

●●

●●

N NF metals

●●

●●

●●

●●

●●

S Materials with difficult cutting properties

●●

●●

●●

●●

●●

H Hard materials

●●

●●

●●

●●

●●

O Other

●

●

●

●

●

Page in catalogue

C 378

C 390

C 407

C 382

C 380

QR code



www.walter-tools.com/woc/

TC610

tmg-hrc

tmg-ni

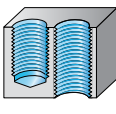
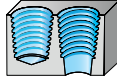
TC611

TC620

WALTER SELECT

●● Primary application ● Other application

Thread milling cutters without countersink

Machining			
Thread depth	$2 \times D_N$	$2,5 \times D_N$	



Designation	TME	TC620 Supreme	TMG
Thread type			
M	✓	✓	
MF	✓	✓	
UNC / UNF / UN-8		✓	
G / Rc / Rp			
MJ / UNJC / UNJF			
NPT / NPTF			✓
Pg / BSW / Tr			
Indexable inserts basic shape	✓	✓	
Additional services			
Coolant supply	External	axial	External
Coating / grade	TICN	WB10TJ	TICN
Cutting tool material	VHM	VHM	VHM
P Steel	●●	●●	●●
M Stainless steel	●●	●●	●●
K Cast iron	●●	●●	●●
N NF metals	●●	●●	●●
S Materials with difficult cutting properties	●●	●●	●●
H Hard materials			
O Other	●	●	●
Page in catalogue	C 392	C 384	C 413
QR code			
www.walter-tools.com/woc/	tme	TC620	tmg

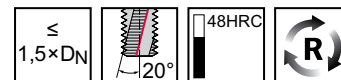
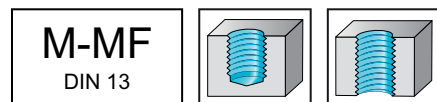
C3

Solid carbide thread milling cutters

TC610 Supreme

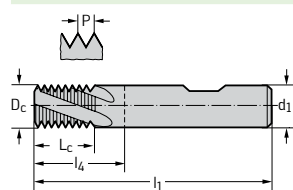


– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	DN	P mm	Dc mm	Lc mm	l1 mm	l4 mm	d1 h6 mm	Z	WJ30RC
TC610-M6-W0-	M 6	1	4,5	9	57	21	6	4	☺
TC610-M8-W0-	M 8	1,25	6	12,5	57	21	6	4	☺
TC610-M10-W0-	M 10	1,5	7,5	15	63	27	8	4	☺
TC610-M12-W0-	M 12	1,75	9,5	19,3	72	32	10	4	☺
TC610-M14-W0-	M 14	2	10	22	72	32	10	4	☺
TC610-M16-W0-	M 16	2	12	24	83	38	12	5	☺
TC610-M20-W0-	M 20	2,5	16	30	92	44	16	6	☺
TC610-M24-W0-	M 24	3	19	36	104	54	20	6	☺

Ordering example for the grade WJ30RC: TC610-M10-W0-WJ30RC

C3

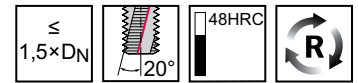
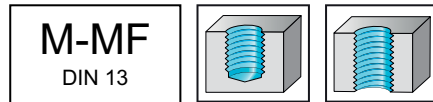
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide thread milling cutters

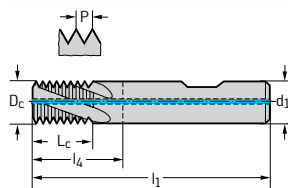
TC610 Supreme 

– Universal thread milling cutters



	P	M	K	N	S	H	O
WB10RD	●	●	●	●	●		●
WJ30RC	●	●	●	●	●		●

Tool



DIN 6535 HB

Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10RD	WJ30RC
TC610-M6-W1-	M 6	1	4,5	9	57	21	6	4	☺	☺
TC610-M8-W1-	M 8	1,25	6	12,5	57	21	6	4	☺	☺
TC610-M10-W1-	M 10	1,5	7,5	15	63	27	8	4	☺	☺
TC610-M12-W1-	M 12	1,75	9,5	19,3	72	32	10	4	☺	☺
TC610-M14-W1-	M 14	2	10	22	72	32	10	4		☺
TC610-M16-W1-	M 16	2	12	24	83	38	12	5	☺	☺
TC610-M20-W1-	M 20	2,5	16	30	92	44	16	6		☺
TC610-M24-W1-	M 24	3	19	36	104	54	20	6		☺

Ordering example for the grade WB10RD: TC610-M10-W1-WB10RD

C3

WALTER
SELECT

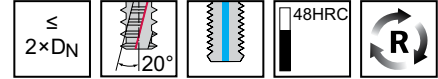
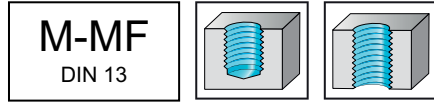
● ● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme

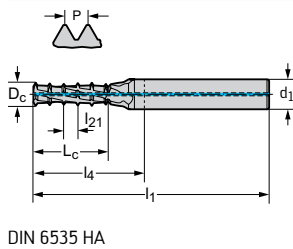


- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



Designation	D _N	P mm	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
TC620-M4-A1D-	M 4	0,7	3,1	1,4	8,4	21	57	6	3	☺
TC620-M5-A1D-	M 5	0,8	3,9	1,6	10,4	21	57	6	3	☺
TC620-M6-A1D-	M 6	1	4,7	2	12	21	57	6	4	☺
TC620-M8-A1D-	M 8	1,25	6,3	2,5	16,3	27	63	8	4	☺
TC620-M10-A1D-	M 10	1,5	7,9	3	21	27	63	8	4	☺
TC620-M12-A1D-	M 12	1,75	9,6	3,5	24,5	32	72	10	4	☺
TC620-M14-A1D-	M 14	2	11,2	4	28	38	83	12	4	☺
TC620-M16-A1D-	M 16	2	13,1	4	32	44	92	16	5	☺
TC620-M20-A1D-	M 20	2,5	16,4	5	40	58	106	18	5	☺

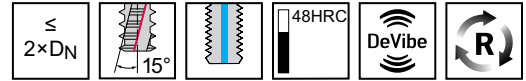
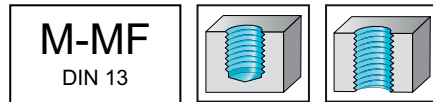
Ordering example for the grade WB10TJ: TC620-M10-A1D-WB10TJ

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	P mm	D _c mm	l _{z1} mm	L _c mm	l _k mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
		TC620-M8-W5D-	M 8	1,25	6,3	2,5	16,3	27	63	8	4	☹
		TC620-M10-W5D-	M 10	1,5	7,9	3	21	32	68	8	4	☹
		TC620-M12-W5D-	M 12	1,75	9,6	3,5	24,5	38	78	10	4	☹
		TC620-M14-W5D-	M 14	2	11,2	4	28	45	90	12	4	☹
		TC620-M16-W5D-	M 16	2	13,1	4	32	44	92	16	5	☹
		TC620-M18-W5D-	M 18	2,5	14,5	5	37,5	52	100	16	5	☹
		TC620-M20-W5D-	M 20	2,5	16,4	5	40	57	105	18	5	☹
DIN 6535 HB												

Ordering example for the grade WB10TJ: TC620-M10-W5D-WB10TJ

C3

**WALTER
SELECT**

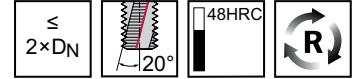
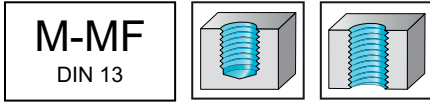
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide thread milling cutters

TC611 Supreme

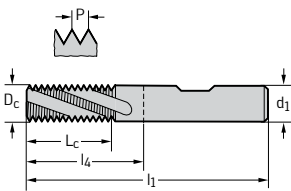


– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RC
TC611-M6-W0-	M 6	1	4,5	12	57	21	6	4	☹
TC611-M8-W0-	M 8	1,25	6	16,3	57	21	6	4	☹
TC611-M10-W0-	M 10	1,5	7,5	21	63	27	8	4	☹
TC611-M12-W0-	M 12	1,75	9,5	24,5	72	32	10	4	☹
TC611-M14-W0-	M 14	2	10	28	80	40	10	4	☹
TC611-M16-W0-	M 16	2	12	32	89	44	12	5	☹
TC611-M20-W0-	M 20	2,5	16	40	105	57	16	6	☹
TC611-M24-W0-	M 24	3	19	48	118	68	20	6	☹

Ordering example for the grade WJ30RC: TC611-M10-W0-WJ30RC

C3

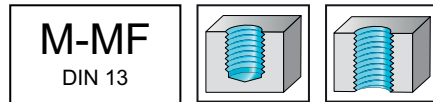
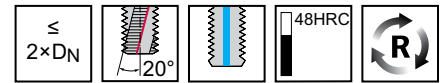
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide thread milling cutters

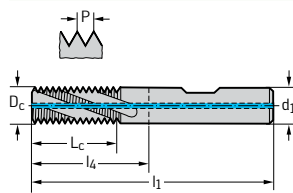
TC611 Supreme 

– Universal thread milling cutters



	P	M	K	N	S	H	O
WB10RD	●	●	●	●	●		●
WJ30RC	●	●	●	●	●		●

Tool



DIN 6535 HB

Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10RD	WJ30RC
TC611-M6-W1-	M 6	1	4,5	12	57	21	6	4	☺	☺
TC611-M8-W1-	M 8	1,25	6	16,3	57	21	6	4	☺	☺
TC611-M10-W1-	M 10	1,5	7,5	21	63	27	8	4	☺	☺
TC611-M12-W1-	M 12	1,75	9,5	24,5	72	32	10	4	☺	☺
TC611-M14-W1-	M 14	2	10	28	80	40	10	4		☺
TC611-M16-W1-	M 16	2	12	32	89	44	12	5	☺	☺
TC611-M20-W1-	M 20	2,5	16	40	105	57	16	6	☺	☺
TC611-M24-W1-	M 24	3	19	48	118	68	20	6		☺

Ordering example for the grade WB10RD: TC611-M10-W1-WB10RD

C3

WALTER
SELECT

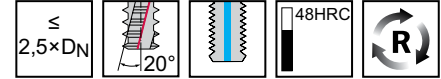
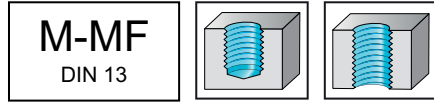
● ● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme

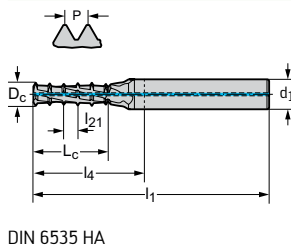


- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



Designation	D _N	P mm	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
TC620-M4-A1E-	M 4	0,7	3,1	2,1	10,5	21	57	6	3	☺
TC620-M5-A1E-	M 5	0,8	3,9	2,4	12,8	21	57	6	3	☺
TC620-M6-A1E-	M 6	1	4,7	3	15	21	57	6	4	☺
TC620-M8-A1E-	M 8	1,25	6,3	3,75	20	27	63	8	4	☺
TC620-M10-A1E-	M 10	1,5	7,9	4,5	27	36	72	8	4	☺
TC620-M12-A1E-	M 12	1,75	9,6	5,25	31,5	43	83	10	4	☺
TC620-M14-A1E-	M 14	2	11,2	6	36	55	100	12	4	☺
TC620-M16-A1E-	M 16	2	13,1	6	42	58	106	16	5	☺
TC620-M20-A1E-	M 20	2,5	16,4	7,5	52,5	68	116	18	5	☺

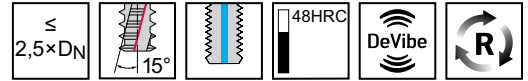
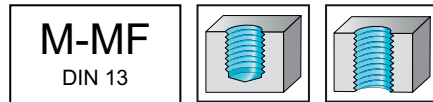
Ordering example for the grade WB10TJ: TC620-M10-A1E-WB10TJ

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	P mm	D _c mm	l _{z1} mm	L _c mm	l _k mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
		TC620-M8-W5E-	M 8	1,25	6,3	3,75	20	32	68	8	4	☺
		TC620-M10-W5E-	M 10	1,5	7,9	4,5	27	39	75	8	4	☺
		TC620-M12-W5E-	M 12	1,75	9,6	5,25	31,5	45	85	10	4	☺
		TC620-M14-W5E-	M 14	2	11,2	6	36	55	100	12	4	☺
		TC620-M16-W5E-	M 16	2	13,1	6	42	58	106	16	5	☺
		TC620-M18-W5E-	M 18	2,5	14,5	7,5	45	60	108	16	5	☺
		TC620-M20-W5E-	M 20	2,5	16,4	7,5	52,5	67	115	18	5	☺
DIN 6535 HB												

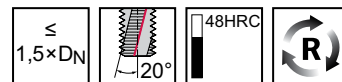
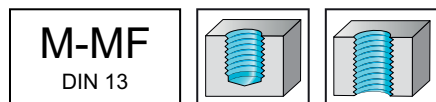
Ordering example for the grade WB10TJ: TC620-M10-W5E-WB10TJ

Solid carbide thread milling cutters

TC610 Supreme



– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●	●	●	●	●		●

Tool	Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RC
DIN 6535 HB	TC610-M6X0.5-W0-	MF 6X0,5	0,5	4,8	9	57	21	6	5	☹
	TC610-M8X0.75-W0-	MF 8X0.75	0,75	6	12	57	21	6	5	☹
	TC610-M8X1-W0-	MF 8X1	1	6	12	57	21	6	4	☹
	TC610-M10X0.5-W0-	MF 10X0.5	0,5	8	15	63	27	8	7	☹
	TC610-M10X1-W0-	MF 10X1	1	8	15	63	27	8	5	☹
	TC610-M12X1-W0-	MF 12X1	1	10	18	72	32	10	6	☹
	TC610-M12X1.25-W0-	MF 12X1.25	1,25	10	18,8	72	32	10	6	☹
	TC610-M12X1.5-W0-	MF 12X1.5	1,5	10	18	72	32	10	5	☹
	TC610-M14X1-W0-	MF 14X1	1	12	21	83	38	12	7	☹
	TC610-M14X1.5-W0-	MF 14X1.5	1,5	12	21	83	38	12	6	☹
	TC610-M16X1-W0-	MF 16X1	1	14	24	83	38	14	7	☹
	TC610-M16X1.5-W0-	MF 16X1.5	1,5	14	24	83	38	14	6	☹
	TC610-M18X1-W0-	MF 18X1	1	16	27	92	44	16	8	☹
	TC610-M18X1.5-W0-	MF 18X1.5	1,5	16	27	92	44	16	7	☹
	TC610-M20X2-W0-	MF 20X2	2	16	30	92	44	16	6	☹
	TC610-M24X2-W0-	MF 24X2	2	20	36	104	54	20	7	☹

Ordering example for the grade WJ30RC: TC610-M10X0.5-W0-WJ30RC

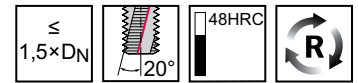
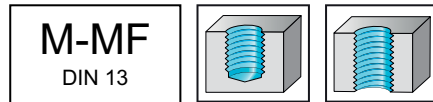
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide thread milling cutters

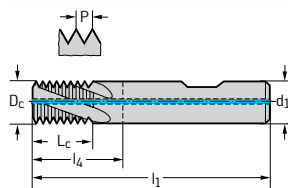
TC610 Supreme 

– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●
WB10RD	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	D _N	P mm	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RC	WB10RD
TC610-M6X0.5-W1-	MF 6X0.5	0,5	4,8	9	57	21	6	5	☹	
TC610-M8X0.75-W1-	MF 8X0.75	0,75	6	12	57	21	6	5	☹	☹
TC610-M8X1-W1-	MF 8X1	1	6	12	57	21	6	4	☹	
TC610-M10X0.5-W1-	MF 10X0.5	0,5	8	15	63	27	8	7	☹	
TC610-M10X1-W1-	MF 10X1	1	8	15	63	27	8	5	☹	☹
TC610-M12X1-W1-	MF 12X1	1	10	18	72	32	10	6	☹	☹
TC610-M12X1.25-W1-	MF 12X1.25	1,25	10	18,8	72	32	10	6	☹	
TC610-M12X1.5-W1-	MF 12X1.5	1,5	10	18	72	32	10	5	☹	☹
TC610-M14X1-W1-	MF 14X1	1	12	21	83	38	12	7	☹	☹
TC610-M14X1.5-W1-	MF 14X1.5	1,5	12	21	83	38	12	6	☹	☹
TC610-M16X1-W1-	MF 16X1	1	14	24	83	38	14	7	☹	
TC610-M16X1.5-W1-	MF 16X1.5	1,5	14	24	83	38	14	6	☹	☹
TC610-M18X1-W1-	MF 18X1	1	16	27	92	44	16	8	☹	
TC610-M18X1.5-W1-	MF 18X1.5	1,5	16	27	92	44	16	7	☹	☹
TC610-M20X2-W1-	MF 20X2	2	16	30	92	44	16	6	☹	☹
TC610-M24X2-W1-	MF 24X2	2	20	36	104	54	20	7	☹	

Ordering example for the grade WJ30RC: TC610-M10X0.5-W1-WJ30RC

C3

WALTER
SELECT

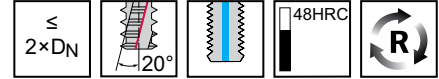
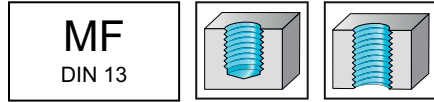
●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme

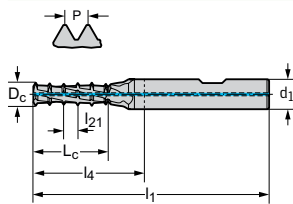


- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	D _N	P mm	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
TC620-M4X0.5-W1D-	MF 4X0.5	0,5	3,2	1	8	21	57	6	4	☺
TC620-M6X0.75-W1D-	MF 6X0.75	0,75	4,9	1,5	12	21	57	6	4	☺

Ordering example for the grade WB10TJ: TC620-M4X0.5-W1D-WB10TJ

C3

**WALTER
SELECT**

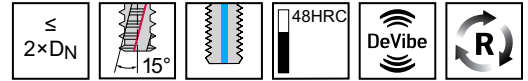
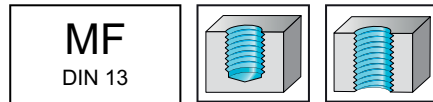
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool		Designation	D _N	P mm	D _c mm	l _{z1} mm	L _c mm	l _k mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HB		TC620-M8X1-W5D-	MF 8X1	1	6,5	2	16	27	63	8	4	☺
		TC620-M10X1.25W5D-	M10X1.25	1,25	8,2	2,5	20	32	72	10	5	☺
		TC620-M10X1-W5D-	MF 10X1	1	8,4	2	20	32	72	10	5	☺
		TC620-M12X1.5-W5D-	MF 12X1.5	1,5	9,8	3	24	38	78	10	5	☺
		TC620-M12X1.25W5D-	MF 12X1.25	1,25	10	2,5	25	38	78	10	5	☺
		TC620-M12X1-W5D-	MF 12X1	1	10,3	2	24	38	83	12	6	☺
		TC620-M14X1.5-W5D-	MF 14X1.5	1,5	11,7	3	28,5	44	89	12	5	☺
		TC620-M16X1.5-W5D-	MF 16X1.5	1,5	13,6	3	33	44	92	16	6	☺
		TC620-M18X1.5-W5D-	MF 18X1.5	1,5	15,5	3	36	52	100	16	6	☺
		TC620-M20X1.5-W5D-	MF 20X1.5	1,5	17,3	3	40,5	57	105	18	7	☺

Ordering example for the grade WB10TJ: TC620-M10X1-W5D-WB10TJ

C3

**WALTER
SELECT**

●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

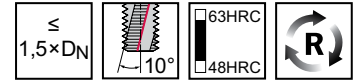
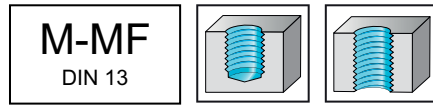
Solid carbide thread milling cutters

mm

TMG HRC



– Thread milling cutters for hardened materials



	P	M	K	N	S	H	O
TAX	●●	●●	●●	●●	●●	●●	●●

Tool	Designation	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	H5033008-M6	M 6	4,5	10	57	21	6	4
	H5033008-M8	M 8	6	12,5	57	21	6	5
	H5033008-M10	M 10	8	16,5	63	27	8	5
	H5033008-M12	M 12	9	19,3	72	32	10	5
	H5033008-M16	M 16	12	26	83	38	12	5
DIN 6535 HA								

C3

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

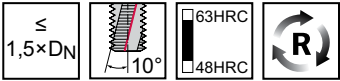
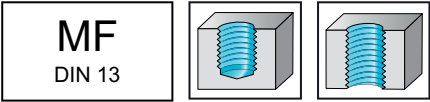
Solid carbide thread milling cutters

mm

TMG HRC



– Thread milling cutters for hardened materials



	P	M	K	N	S	H	O
TAX	●●	●	●●	●	●	●●	●

Tool		Designation	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	H5133008-M12X1	MF 12X1		10	20	72	32	10	5
	H5133008-M14X1.5	MF 14X1.5		12	27	83	38	12	6
DIN 6535 HA									

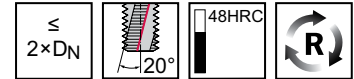
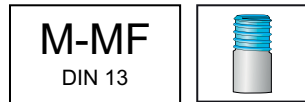
C3

Solid carbide thread milling cutters

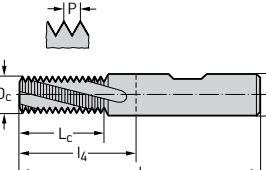
mm

TME


– Universal thread milling cutter for external thread



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	H5150106-M10X1	MF 10X1	10	16	72	32	10	4	
	H5150106-M12X1.5	MF 12X1.5	12	22,5	83	38	12	5	
	H5150106-M16X1	MF 16X1	16	30	92	44	16	6	
	H5150106-M16X1.25	MF 16X1.25	16	30	92	44	16	6	
	H5150106-M16X1.5	MF 16X1.5	16	30	92	44	16	6	
	H5150106-M16X2	MF 16X2	16	30	92	44	16	6	

DIN 6535 HB

DIN 6535 HB

C3

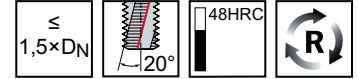
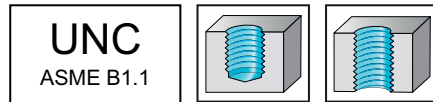
**WALTER
SELECT**

●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide thread milling cutters

TC610 Supreme 

– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool		Threads per inch	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RC
 DIN 6535 HB	TC610-UNC1/4-W0-	20	UNC 1/4-20	4,8	10,2	57	21	6	3	☹
	TC610-UNC5/16-W0-	18	UNC 5/16-18	5,5	12,7	57	21	6	4	☹
	TC610-UNC3/8-W0-	16	UNC 3/8-16	7,5	14,3	63	27	8	4	☹
	TC610-UNC7/16-W0-	14	UNC 7/16-14	8	18,1	63	27	8	4	☹
	TC610-UNC1/2-W0-	13	UNC 1/2-13	10	19,5	72	32	10	4	☹
	TC610-UNC9/16-W0-	12	UNC 9/16-12	10	19,5	72	32	10	4	☹
	TC610-UNC5/8-W0-	11	UNC 5/8-11	12	25,4	83	38	12	5	☹
	TC610-UNC3/4-W0-	10	UNC 3/4-10	14	30,5	90	45	14	5	☹
	TC610-UNC1-W0-	8	UNC 1"-8	18	38,1	104	54	20	5	☹

Ordering example for the grade WJ30RC: TC610-UNC1-W0-WJ30RC

C3

WALTER
SELECT

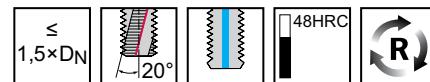
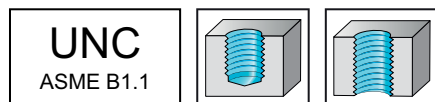
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide thread milling cutters

TC610 Supreme

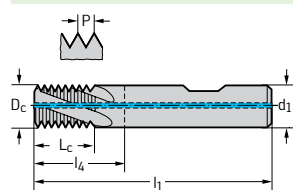


– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	Threads per inch	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RC
TC610-UNC1/4-W1-	20	UNC 1/4-20	4,8	10,2	57	21	6	3	☺
TC610-UNC5/16-W1-	18	UNC 5/16-18	5,5	12,7	57	21	6	4	☺
TC610-UNC3/8-W1-	16	UNC 3/8-16	7,5	14,3	63	27	8	4	☺
TC610-UNC7/16-W1-	14	UNC 7/16-14	8	18,1	63	27	8	4	☺
TC610-UNC1/2-W1-	13	UNC 1/2-13	10	19,5	72	32	10	4	☺
TC610-UNC9/16-W1-	12	UNC 9/16-12	10	19,5	72	32	10	4	☺
TC610-UNC5/8-W1-	11	UNC 5/8-11	12	25,4	83	38	12	5	☺
TC610-UNC3/4-W1-	10	UNC 3/4-10	14	30,5	90	45	14	5	☺
TC610-UNC7/8-W1-	9	UNC 7/8-9	16	33,9	98	50	16	5	☺
TC610-UNC1-W1-	8	UNC 1"-8	18	38,1	104	54	20	5	☺

Ordering example for the grade WJ30RC: TC610-UNC1-W1-WJ30RC

C3

WALTER
SELECT

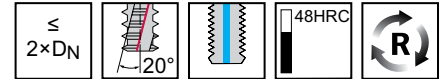
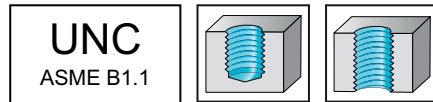
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

Tool		Designation	D _N	Threads per inch	D _c mm	l _{z1} mm	L _c mm	l _k mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
DIN 6535 HA		TC620-UNC8-A1D-	UNC #8-32	32	3,1	1,59	8,7	21	57	6	3	☹
		TC620-UNC10-A1D-	UNC #10-24	24	3,5	2,12	10,6	21	57	6	3	☹
		TC620-UNC1/4-A1D-	UNC 1/4-20	20	4,7	2,54	12,7	21	57	6	3	☹
		TC620-UNC5/16-A1D-	UNC 5/16-18	18	6,1	2,82	16,9	27	63	8	4	☹
		TC620-UNC3/8-A1D-	UNC 3/8-16	16	7,4	3,18	19,1	27	63	8	4	☹
		TC620-UNC1/2-A1D-	UNC 1/2-13	13	10,1	3,91	25,4	38	83	12	4	☹
		TC620-UNC5/8-A1D-	UNC 5/8-11	11	12,7	4,62	32,3	44	92	16	4	☹
		TC620-UNC3/4-A1D-	UNC 3/4-10	10	15,5	5,08	38,1	56	104	16	5	☹
		TC620-UNC7/8-A1D-	UNC 7/8-9	9	18	5,64	45,2	67	115	18	5	☹

Ordering example for the grade WB10TJ: TC620-UNC1/2-A1D-WB10TJ

C3

**WALTER
SELECT**

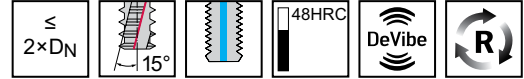
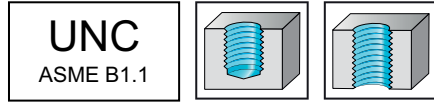
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	Threads per inch	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HB		TC620-UNC5/16-W5D-	UNC 5/16-18	18	6,1	2,82	16,9	27	63	8	4	☺
		TC620-UNC3/8-W5D-	UNC 3/8-16	16	7,4	3,18	19,1	32	68	8	4	☺
		TC620-UNC1/2-W5D-	UNC 1/2-13	13	10,1	3,91	25,4	38	83	12	4	☺
		TC620-UNC5/8-W5D-	UNC 5/8-11	11	12,7	4,62	32,3	52	100	16	4	☺
		TC620-UNC3/4-W5D-	UNC 3/4-10	10	15,5	5,08	38,1	52	100	16	5	☺

Ordering example for the grade WB10TJ: TC620-UNC1/2-W5D-WB10TJ

C3

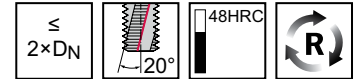
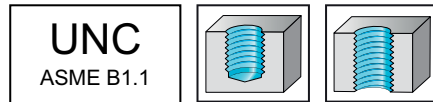
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide thread milling cutters

TC611 Supreme 

– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool	Designation	Threads per inch	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RC
 DIN 6535 HB	TC611-UNC1/4-W0-	20	UNC 1/4-20	4,8	12,7	57	21	6	3	☹
	TC611-UNC5/16-W0-	18	UNC 5/16-18	5,5	16,9	57	21	6	4	☹
	TC611-UNC3/8-W0-	16	UNC 3/8-16	7,5	19,1	63	27	8	4	☹
	TC611-UNC7/16-W0-	14	UNC 7/16-14	8	23,6	68	32	8	4	☹
	TC611-UNC1/2-W0-	13	UNC 1/2-13	10	25,4	76	36	10	4	☹
	TC611-UNC9/16-W0-	12	UNC 9/16-12	10	29,6	80	40	10	4	☹
	TC611-UNC5/8-W0-	11	UNC 5/8-11	12	32,3	90	45	12	5	☹
	TC611-UNC3/4-W0-	10	UNC 3/4-10	14	38,1	98	53	14	5	☹
	TC611-UNC7/8-W0-	9	UNC 7/8-9	16	45,2	108	60	16	5	☹
	TC611-UNC1-W0-	8	UNC 1"-8	18	50,8	116	68	20	5	☹

Ordering example for the grade WJ30RC: TC611-UNC1-W0-WJ30RC

C3

WALTER
SELECT

●● Primary application ● Other application

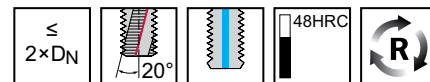
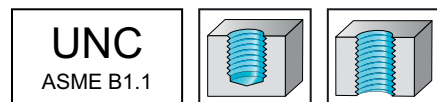
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide thread milling cutters

TC611 Supreme

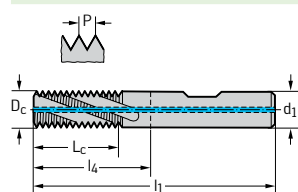


– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	Threads per inch	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RC
TC611-UNC1/4-W1-	20	UNC 1/4-20	4,8	12,7	57	21	6	3	☹
TC611-UNC5/16-W1-	18	UNC 5/16-18	5,5	16,9	57	21	6	4	☹
TC611-UNC3/8-W1-	16	UNC 3/8-16	7,5	19,1	63	27	8	4	☹
TC611-UNC7/16-W1-	14	UNC 7/16-14	8	23,6	68	32	8	4	☹
TC611-UNC1/2-W1-	13	UNC 1/2-13	10	25,4	76	36	10	4	☹
TC611-UNC9/16-W1-	12	UNC 9/16-12	10	29,6	80	40	10	4	☹
TC611-UNC5/8-W1-	11	UNC 5/8-11	12	32,3	90	45	12	5	☹
TC611-UNC3/4-W1-	10	UNC 3/4-10	14	38,1	98	53	14	5	☹
TC611-UNC7/8-W1-	9	UNC 7/8-9	16	45,2	108	60	16	5	☹
TC611-UNC1-W1-	8	UNC 1"-8	18	50,8	116	68	20	5	☹

Ordering example for the grade WJ30RC: TC611-UNC1-W1-WJ30RC

C3

WALTER
SELECT

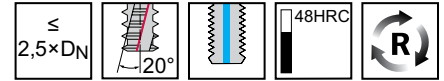
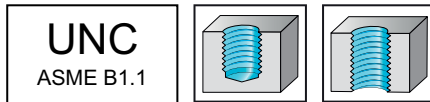
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

	Designation	D _N	Threads per inch	D _c mm	l _{z1} mm	L _c mm	l _k mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
	TC620-UNC8-W1E-	UNC #8-32	32	3,1	2,38	10,3	21	57	6	3	☹
	TC620-UNC10-W1E-	UNC #10-24	24	3,5	3,18	12,7	21	57	6	3	☹
	TC620-UNC1/4-W1E-	UNC 1/4-20	20	4,7	3,81	16,5	29	65	6	3	☹

DIN 6535 HB

Ordering example for the grade WB10TJ: TC620-UNC1/4-W1E-WB10TJ

C3

**WALTER
SELECT**

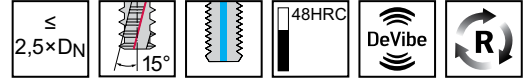
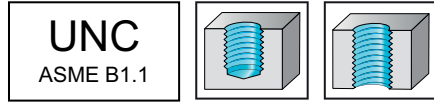
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●	●	●	●	●		●

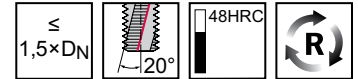
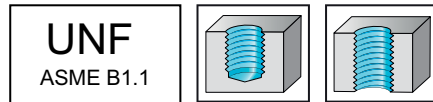
Tool		Designation	D _N	Threads per inch	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HB		TC620-UNC5/16-W5E-	UNC 5/16-18	18	6,1	4,23	21,2	34	70	8	4	☺
		TC620-UNC3/8-W5E-	UNC 3/8-16	16	7,4	4,76	23,8	36	72	8	4	☺
		TC620-UNC1/2-W5E-	UNC 1/2-13	13	10,1	5,86	31,3	47	92	12	4	☺
		TC620-UNC5/8-W5E-	UNC 5/8-11	11	12,7	6,93	41,6	60	108	16	4	☺
		TC620-UNC3/4-W5E-	UNC 3/4-10	10	15,5	7,62	48,3	62	110	16	5	☺

Ordering example for the grade WB10TJ: TC620-UNC1/2-W5E-WB10TJ

Solid carbide thread milling cutters

TC610 Supreme 

– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool		Threads per inch	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RC
 DIN 6535 HB	TC610-UNF10-W0-	32	UNF #10-32	3,6	7,9	57	21	6	3	☹
	TC610-UNF1/4-W0-	28	UNF 1/4-28	4,8	10	57	21	6	4	☹
	TC610-UNF5/16-W0-	24	UNF 5/16-24	6	12,7	57	21	6	4	☹
	TC610-UNF7/16-W0-	20	UNF 7/16-20	8	17,8	63	27	8	4	☹
	TC610-UNF9/16-W0-	18	UNF 9/16-18	10	22,6	72	32	10	5	☹
	TC610-UNF3/4-W0-	16	UNF 3/4-16	14	28,6	88	43	14	6	☹

Ordering example for the grade WJ30RC: TC610-UNF1/4-W0-WJ30RC

C3

WALTER
SELECT

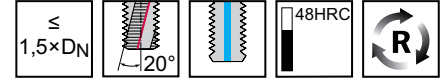
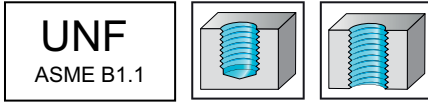
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide thread milling cutters

TC610 Supreme

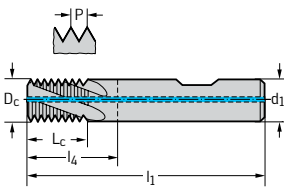


– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	Threads per inch	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WJ30RC
TC610-UNF10-W1-	32	UNF #10-32	3,6	7,9	57	21	6	3	☺
TC610-UNF1/4-W1-	28	UNF 1/4-28	4,8	10	57	21	6	4	☺
TC610-UNF5/16-W1-	24	UNF 5/16-24	6	12,7	57	21	6	4	☺
TC610-UNF7/16-W1-	20	UNF 7/16-20	8	17,8	63	27	8	4	☺
TC610-UNF9/16-W1-	18	UNF 9/16-18	10	22,6	72	32	10	5	☺
TC610-UNF3/4-W1-	16	UNF 3/4-16	14	28,6	88	43	14	6	☺

Ordering example for the grade WJ30RC: TC610-UNF1/4-W1-WJ30RC

C3

**WALTER
SELECT**

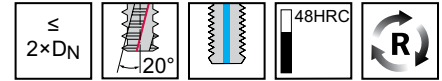
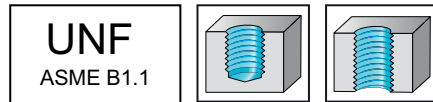
●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme



- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool											
	Designation	D _N	Threads per inch	D _c mm	l _{z1} mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
	TC620-UNF10-W1D-	UNF #10-32	32	3,7	1,59	10,3	21	57	6	3	☹
	TC620-UNF1/4-W1D-	UNF 1/4-28	28	5,1	1,81	12,7	21	57	6	4	☹

DIN 6535 HB

Ordering example for the grade WB10TJ: TC620-UNF1/4-W1D-WB10TJ

C3

**WALTER
SELECT**

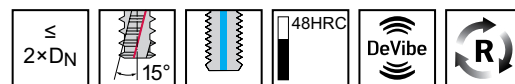
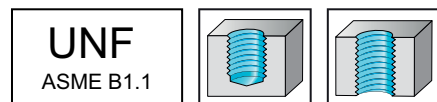
●● Primary application ● Other application
 Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Multiple-row thread milling cutters

TC620 Supreme

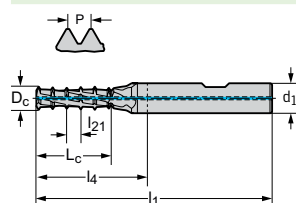


- Universal multiple-row thread milling cutters
- For high cutting speeds and high feeds per tooth



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	D _N	Threads per inch	D _c mm	l ₂₁ mm	L _c mm	l ₄ mm	l ₁ mm	d ₁ h6 mm	Z	WB10TJ
TC620-UNF5/16-W5D-	UNF 5/16-24	24	6,4	2,12	15,9	27	63	8	4	☹
TC620-UNF3/8-W5D-	UNF 3/8-24	24	7,9	2,12	19,1	31	67	8	5	☹
TC620-UNF7/16-W5D-	UNF 7/16-20	20	9,2	2,54	22,9	32	72	10	5	☹
TC620-UNF1/2-W5D-	UNF 1/2-20	20	10,7	2,54	25,4	38	83	12	5	☹
TC620-UNF9/16-W5D-	UNF 9/16-18	18	12	2,82	29,6	45	90	12	5	☹
TC620-UNF5/8-W5D-	UNF 5/8-18	18	13,5	2,82	32,5	48	96	16	6	☹
TC620-UNF3/4-W5D-	UNF 3/4-16	16	16,4	3,18	38,1	56	104	18	6	☹

Ordering example for the grade WB10TJ: TC620-UNF1/2-W5D-WB10TJ

C3

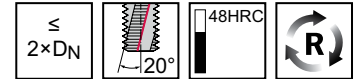
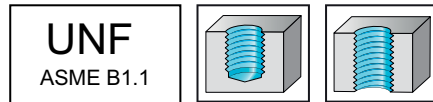
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = ☹ → Poor = ☹ / ★ machining conditions

Solid carbide thread milling cutters

TC611 Supreme 

– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool		Threads per inch	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RC
 DIN 6535 HB	TC611-UNF10-W0-	32	UNF #10-32	3,6	10,3	57	21	6	3	☹
	TC611-UNF1/4-W0-	28	UNF 1/4-28	4,8	12,7	57	21	6	4	☹
	TC611-UNF5/16-W0-	24	UNF 5/16-24	6	15,9	57	21	6	4	☹
	TC611-UNF7/16-W0-	20	UNF 7/16-20	8	22,9	68	32	8	4	☹
	TC611-UNF9/16-W0-	18	UNF 9/16-18	10	29,6	80	40	10	5	☹
	TC611-UNF3/4-W0-	16	UNF 3/4-16	14	38,1	98	53	14	6	☹

Ordering example for the grade WJ30RC: TC611-UNF1/4-W0-WJ30RC

C3

WALTER
SELECT

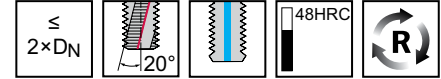
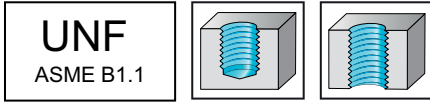
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide thread milling cutters

TC611 Supreme

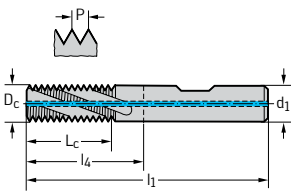


– Universal thread milling cutters



	P	M	K	N	S	H	O
WJ30RC	●●	●●	●●	●●	●●		●

Tool



DIN 6535 HB

Designation	Threads per inch	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RC
TC611-UNF10-W1-	32	UNF #10-32	3,6	10,3	57	21	6	3	☺
TC611-UNF1/4-W1-	28	UNF 1/4-28	4,8	12,7	57	21	6	4	☺
TC611-UNF5/16-W1-	24	UNF 5/16-24	6	15,9	57	21	6	4	☺
TC611-UNF7/16-W1-	20	UNF 7/16-20	8	22,9	68	32	8	4	☺
TC611-UNF9/16-W1-	18	UNF 9/16-18	10	29,6	80	40	10	5	☺
TC611-UNF3/4-W1-	16	UNF 3/4-16	14	38,1	98	53	14	6	☺

Ordering example for the grade WJ30RC: TC611-UNF1/4-W1-WJ30RC

C3

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

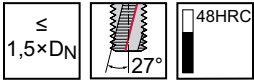
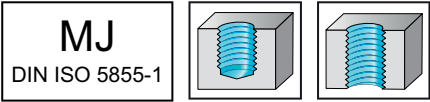
Solid carbide thread milling cutters

mm

TMG Ni



– Thread milling cutters for nickel alloys



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●

Tool								
	Designation	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	H5036006-MJ4	MJ 4	3	6,3	54	18	6	3
	H5036006-MJ5	MJ 5	3,9	8	54	18	6	3
	H5036006-MJ6	MJ 6	4,8	9	54	20	6	3
DIN 6535 HA								

C3

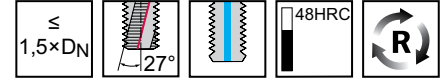
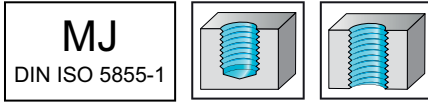
Solid carbide thread milling cutters

mm

TMG Ni

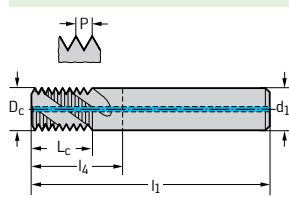


– Thread milling cutters for nickel alloys



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●

Tool



DIN 6535 HA

Designation	DN	Dc mm	Lc mm	l1 mm	l4 mm	d1 h6 mm	Z
H5036016-MJ8	MJ 8	6,3	12,5	58	22	8	4
H5036016-MJ10	MJ 10	7,5	15	58	22	8	4

C3

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

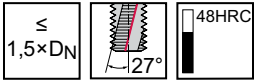
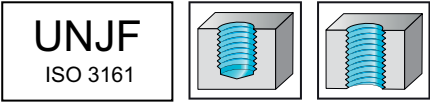
Solid carbide thread milling cutters

mm

TMG Ni



– Thread milling cutters for nickel alloys



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●	●●		●

Tool		Designation	Threads per inch	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
		H5336006-UNJF10	32	UNJF #10-32	3,6	7,9	54	18	6	3
		H5336006-UNJF1/4	28	UNJF 1/4-28	4,8	10	54	18	6	3
DIN 6535 HA										

C3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

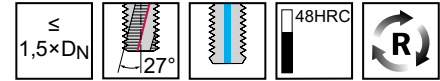
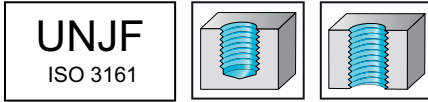
Solid carbide thread milling cutters

mm

TMG Ni

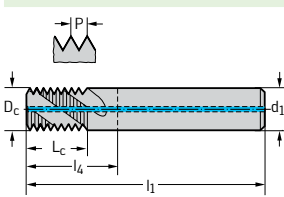


– Thread milling cutters for nickel alloys



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●●	●●

Tool



DIN 6535 HA

Designation	Threads per inch	DN	Dc mm	Lc mm	l1 mm	l4 mm	d1 h6 mm	Z
H5336016-UNJF5/16	24.0	UNJF 5/16-24	6,2	12,7	58	22	8	3
H5336016-UNJF3/8	24.0	UNJF 3/8-24	8	14,8	58	22	8	3
H5336016-UNJF7/16	20.0	UNJF 7/16-20	9,2	17,8	72	26	10	4
H5336016-UNJF1/2	20.0	UNJF 1/2-20	10,5	19,1	73	28	12	4

C3

WALTER
SELECT

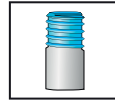
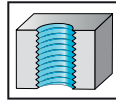
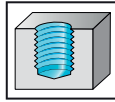
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide thread milling cutters

TC610 Supreme 

– Universal thread milling cutters

G (BSP)
DIN EN ISO 228

Rp
DIN EN 10226-1

 $\leq 1,5 \times D_N$

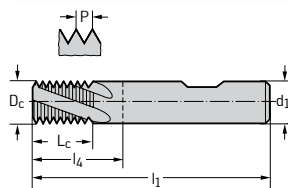

48HRC



WJ30RC

P	M	K	N	S	H	O
●●	●●	●●	●●	●●		●

Tool



Designation	Threads per inch	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RC
TC610-G1/8-W0-	28	G 1/8-28	6	15,4	57	21	6	5	☺
TC610-G1/4-W0-	19	G 1/4-19	10	20,1	72	32	10	5	☺
TC610-G3/8-W0-	19	G 3/8-19	14	25,4	83	38	14	7	☺
TC610-G1/2-W0-	14	G 1/2-14	16	32,7	96	44	16	6	☺
TC610-G1X20-W0-	11	G 1"-11	20	50,8	120	75	20	6	☺

DIN 6535 HB

Ordering example for the grade WJ30RC: TC610-G1/2-W0-WJ30RC

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

Solid carbide thread milling cutters

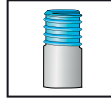
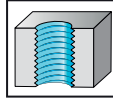
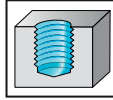
TC610 Supreme



– Universal thread milling cutters

G (BSP)
DIN EN ISO 228

Rp
DIN EN 10226-1



$\leq 1,5 \times D_N$



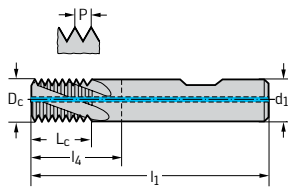
48HRC



WJ30RC

P	M	K	N	S	H	O
●●	●●	●●	●●	●●	●●	●●

Tool



DIN 6535 HB

Designation	Threads per inch	D_N	D_c mm	L_c mm	l_1 mm	l_4 mm	d_1 h6 mm	Z	WJ30RC
TC610-G1/8-W1-	28	G 1/8-28	6	15,4	57	21	6	5	☺
TC610-G1/4-W1-	19	G 1/4-19	10	20,1	72	32	10	5	☺
TC610-G3/8-W1-	19	G 3/8-19	14	25,4	83	38	14	7	☺
TC610-G1/2-W1-	14	G 1/2-14	16	32,7	96	44	16	6	☺
TC610-G1X20-W1-	11	G 1"-11	20	50,8	120	75	20	6	☺

Ordering example for the grade WJ30RC: TC610-G1/2-W1-WJ30RC

C3

**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = ☺ → Average = ☹ → Poor = ☹ machining conditions

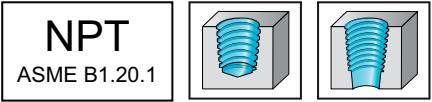
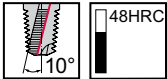
Solid carbide thread milling cutters

mm

TMG



– Universal thread milling cutters



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
		H5551106-NPT1/16	NPT 1/16-27	5,5	11,03	57	21	6	3
		H5551106-NPT1/8	NPT 1/8-27	7,9	11,03	58	22	8	3
		H5551106-NPT1/4-3/8	NPT 1/4-3/8-18	9,9	15,21	66	26	10	3
		H5551106-NPT1/2-3/4	NPT 1/2-3/4-14	15,9	19,55	82	34	16	4
		H5551106-NPT1-2	NPT 1-2-1/2	19,9	26,02	92	42	20	5
DIN 6535 HB									

C3

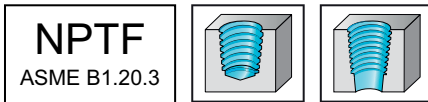
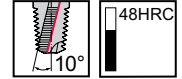
Solid carbide thread milling cutters

mm

TMG



– Universal thread milling cutters



	P	M	K	N	S	H	O
TICN	●●	●●	●●	●●	●●	●	●

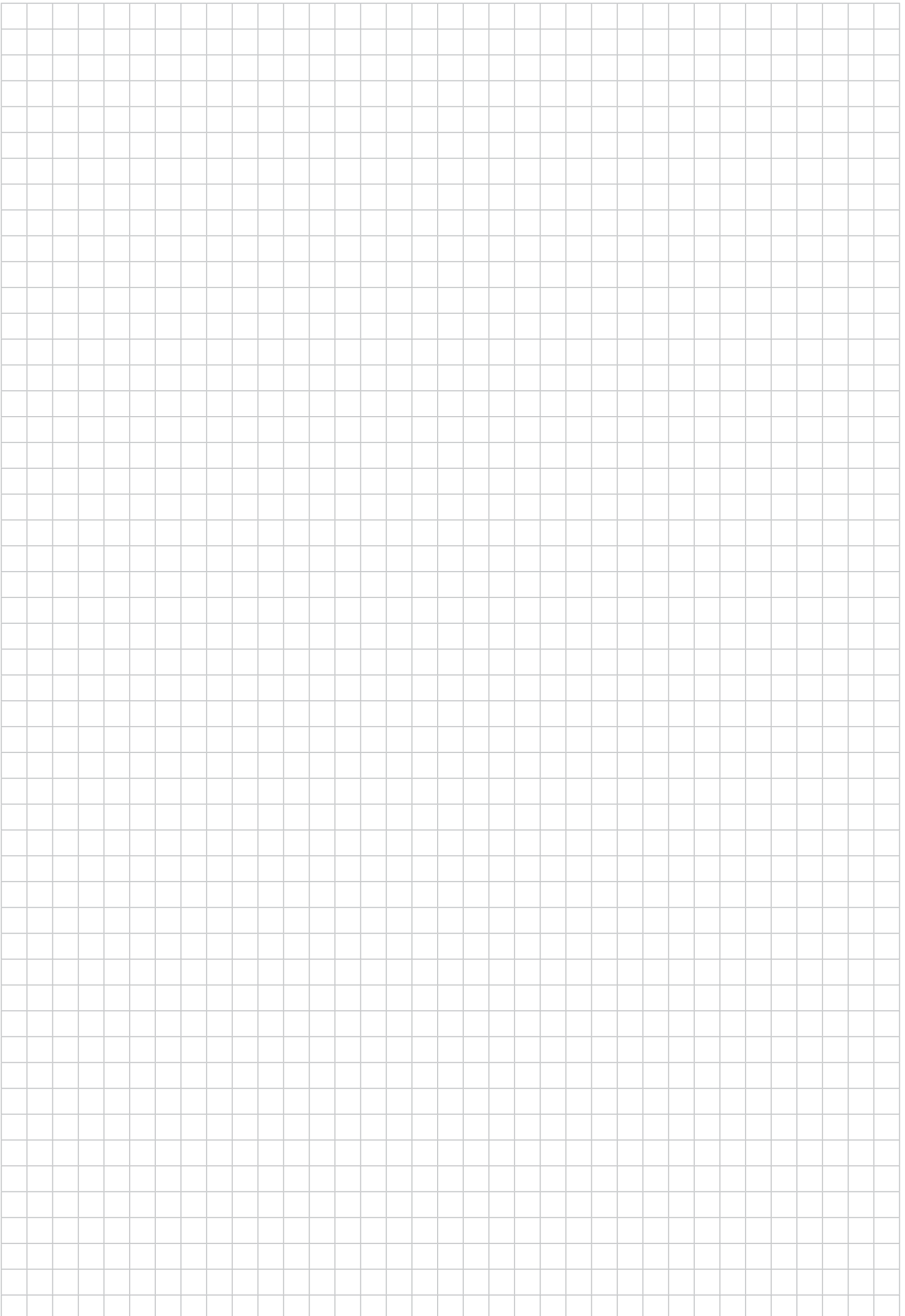
Tool	Designation	D _N	D _c mm	L _c mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	H5651106-NPTF1/16	NPTF 1/16-27	5,5	11,03	57	21	6	3
	H5651106-NPTF1/8	NPTF 1/8-27	7,9	11,03	58	22	8	3
	H5651106-NPTF1/4-3/8	NPTF 1/4-3/8-18	9,9	15,21	66	26	10	3
	H5651106-NPTF1/2-3/4	NPTF 1/2-3/4-14	15,9	19,55	82	34	16	4
	H5651106-NPTF1-2	NPTF 1-2-1/2	19,9	26,02	92	42	20	5

DIN 6535 HB

C3

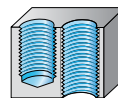
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions



Orbital thread milling cutters

Machining



Thread depth

 $2 \times D_N$
 $2 \times D_N$
 $2,5 \times D_N$
 $3 \times D_N$
 $4 \times D_N$

NEW

NEW

NEW



Designation

TC630 Supreme

TMO HRC

TC630 Supreme

TC630 Supreme

TC630 Supreme

Thread type

M

✓

✓

✓

✓

✓

MF

✓

✓

✓

✓

✓

UNC / UNF / UN-8

✓

✓

✓

G / Rc / Rp

MJ / UNJC / UNJF

NPT / NPTF

Pg / BSW / Tr

Indexable inserts basic shape

✓

✓

✓

✓

✓

Additional services

Coolant supply

External / axial

External

External

External / axial

axial

Coating / grade

WB10RA / WB10TJ

TAX

WB10TJ

WB10TJ

WB10TJ

Cutting tool material

VHM

VHM

VHM

VHM

VHM

P Steel

●●

●●

●●

●●

●●

M Stainless steel

●●

●●

●●

●●

●●

K Cast iron

●●

●●

●●

●●

●●

N NF metals

●●

●●

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S Materials with difficult cutting properties

●●

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H Hard materials

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O Other

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Page in catalogue

C 417

C 424

C 425

C 419

C 422

QR code


www.walter-tools.com/woc/

TC630

tmo-hrc

TC630

TC630

TC630

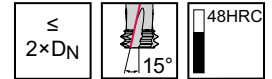
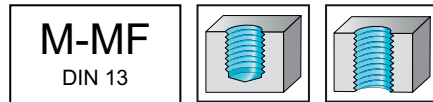
WALTER SELECT

●● Primary application ● Other application

Solid carbide orbital thread mills

TC630 Supreme 

– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool	Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HA	★ TC630-M1.2-A0D-	M 1.2	0,25	0,9	0,25	2,525	38	10	3	4	✖
	★ TC630-M1.4-A0D-	M 1.4	0,3	1,05	0,3	2,95	38	10	3	4	✖
	TC630-M1.6-A0D-	M 1.6	0,35	1,2	0,7	3,73	38	10	3	4	✖
	TC630-M1.8-A0D-	M 1.8	0,35	1,35	0,7	3,78	38	10	3	4	✖
	TC630-M2-A0D-	M 2	0,4	1,55	1,2	4,6	57	21	6	4	✖
	TC630-M2.2-A0D-	M 2.2	0,45	1,65	1,35	4,63	57	21	6	4	✖
	TC630-M2.5-A0D-	M 2.5	0,45	1,95	1,35	5,68	57	21	6	4	✖
	TC630-M3-A0D-	M 3	0,5	2,3	1,5	6,75	57	21	6	4	✖
	TC630-M3.5-A0D-	M 3.5	0,6	2,7	1,8	7,3	57	21	6	4	✖
	TC630-M4-A0D-	M 4	0,7	3,1	2,1	9,05	57	21	6	4	✖
	TC630-M4.5-A0D-	M 4.5	0,75	3,5	2,25	9,38	57	21	6	4	✖
	TC630-M5-A0D-	M 5	0,8	4	2,4	11,2	57	21	6	4	✖
	TC630-M6-A0D-	M 6	1	4,8	3	13,5	57	21	6	4	✖
	TC630-M8-A0D-	M 8	1,25	6,4	3,75	17,9	63	27	8	4	✖
	TC630-M10-A0D-	M 10	1,5	8,2	4,5	22,3	72	32	10	5	✖
	TC630-M12-A0D-	M 12	1,75	9,75	5,25	26,7	72	32	10	5	✖

Ordering example for the grade WB10TJ: TC630-M1.2-A0D-WB10TJ

C3

WALTER
SELECT

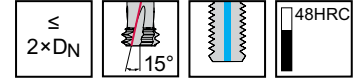
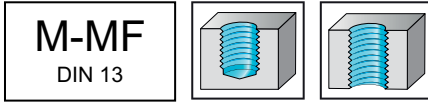
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

	Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HA	TC630-M5-A1D-	M 5	0,8	4	2,4	11,2	57	21	6	4	☹
	TC630-M6-A1D-	M 6	1	4,8	3	13,5	57	21	6	4	☹
	TC630-M8-A1D-	M 8	1,25	6,4	3,75	17,9	63	27	8	4	☹
	TC630-M10-A1D-	M 10	1,5	8,2	4,5	22,3	72	32	10	5	☹
	TC630-M12-A1D-	M 12	1,75	9,75	5,25	26,7	72	32	10	5	☹

Ordering example for the grade WB10TJ: TC630-M10-A1D-WB10TJ

C3

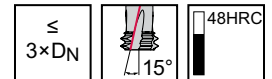
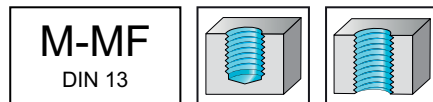
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme 

– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
DIN 6535 HA	★	TC630-M1.2-A0F-	M 1.2	0,25	0,9	0,25	3,725	38	10	3	4	☹
	★	TC630-M1.4-A0F-	M 1.4	0,3	1,05	0,3	4,35	38	10	3	4	☹
		TC630-M1.6-A0F-	M 1.6	0,35	1,2	0,7	5,33	38	10	3	4	☹
		TC630-M1.8-A0F-	M 1.8	0,35	1,35	0,7	5,58	38	10	3	4	☹
		TC630-M2-A0F-	M 2	0,4	1,55	1,2	6,6	57	21	6	4	☹
		TC630-M2.2-A0F-	M 2.2	0,45	1,65	1,35	6,83	57	21	6	4	☹
		TC630-M2.5-A0F-	M 2.5	0,45	1,95	1,35	8,18	57	21	6	4	☹
		TC630-M3-A0F-	M 3	0,5	2,3	1,5	9,75	57	21	6	4	☹
		TC630-M3.5-A0F-	M 3.5	0,6	2,7	1,8	10,8	57	21	6	4	☹
		TC630-M4-A0F-	M 4	0,7	3,1	2,1	13,05	57	21	6	4	☹
		TC630-M4.5-A0F-	M 4.5	0,75	3,5	2,25	13,88	57	21	6	4	☹
		TC630-M5-A0F-	M 5	0,8	4	2,4	16,2	57	21	6	4	☹
		TC630-M6-A0F-	M 6	1	4,8	3	19,5	57	22	6	4	☹
		TC630-M8-A0F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	☹

Ordering example for the grade WB10TJ: TC630-M1.2-A0F-WB10TJ

C3

WALTER
SELECT

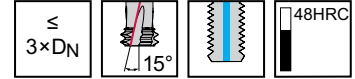
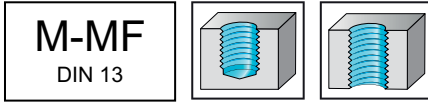
●● Primary application ● Other application
 Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool

	Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
	TC630-M5-A1F-	M 5	0,8	4	2,4	16,2	57	21	6	4	☹
	TC630-M6-A1F-	M 6	1	4,8	3	19,5	57	22	6	4	☹
	TC630-M8-A1F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	☹

DIN 6535 HA

Ordering example for the grade WB10TJ: TC630-M5-A1F-WB10TJ

C3

**WALTER
SELECT**

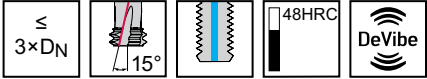
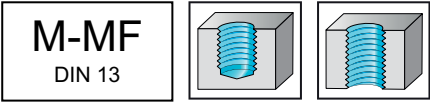
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



- Universal orbital thread milling cutters
- Best running smoothness due to Walter DeVibe technology



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HA		TC630-M8-A5F-	M 8	1,25	6,4	3,75	25,88	63	29	8	4	☹
		TC630-M10-A5F-	M 10	1,5	8,2	4,5	30,75	72	34	10	5	☹
		TC630-M12-A5F-	M 12	1,75	9,75	5,25	36,88	80	40	10	5	☹
		TC630-M14-A5F-	M 14	2	11,4	6	43	92	47	12	5	☹
		TC630-M16-A5F-	M 16	2	13,3	6	49	102	54	16	6	☹
		TC630-M18-A5F-	M 18	2,5	14,75	7,5	55,25	108	60	16	6	☹

Ordering example for the grade WB10TJ: TC630-M10-A5F-WB10TJ

WALTER
SELECT

●● Primary application ● Other application

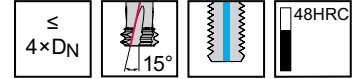
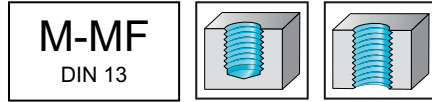
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●	●●	●●

Tool	Designation	D _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
	★ TC630-M3-A1H-	2,3	12,25	44	16	4	4	✖
DIN 6535 HA								

Ordering example for the grade WB10TJ: TC630-M3-A1H-WB10TJ

C3

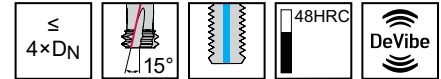
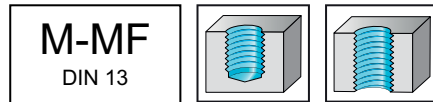
**WALTER
SELECT**

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme 

- Universal orbital thread milling cutters
- Best running smoothness due to Walter DeVibe technology



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool	Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h8 mm	Z	WB10TJ
 DIN 6535 HA	★ TC630-M4-A5H-	M 4	0,7	3,1	2,1	16,35	57	21	6	4	☠
	★ TC630-M5-A5H-	M 5	0,8	4	2,4	20,4	57	21	6	4	☠
	★ TC630-M6-A5H-	M 6	1	4,8	3	24,5	65	29	6	4	☠
	TC630-M8-A5H-	M 8	1,25	6,4	3,75	32,63	72	36	8	4	☠
	TC630-M10-A5H-	M 10	1,5	8,2	4,5	40,75	85	45	10	5	☠
	TC630-M12-A5H-	M 12	1,75	9,75	5,25	48,88	92	52	10	5	☠
	TC630-M16-A5H-	M 16	2	13,3	6	65	115	70	16	6	☠

Ordering example for the grade WB10TJ: TC630-M10-A5H-WB10TJ

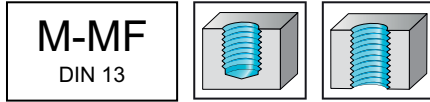
Solid carbide orbital thread mills

mm

TMO HRC



– Orbital thread milling cutters for hardened materials



	P	M	K	N	S	H	O
TAX	●●	●	●●	●	●	●●	●

Tool		P mm	D _c mm	L _c mm	l ₃ mm	d ₂ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z
	Designation									
	H5083008-M2	0,4	1,55	0,6	4,6	0,98	57	21	6	3
	H5083008-M2.5	0,45	1,95	0,68	5,675	1,3	57	21	6	3
	H5083008-M3	0,5	2,3	0,75	6,75	1,6	57	21	6	3
	H5083008-M4	0,7	3,1	1,05	9,05	2,1	57	21	6	3
	H5083008-M5	0,8	4	1,2	11,2	2,9	57	21	6	4
DIN 6535 HA	H5083008-M6	1	4,8	1,5	13,5	3,4	57	21	6	4

C3

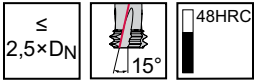
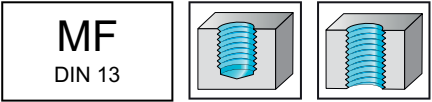
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

Solid carbide orbital thread mills
TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N	P mm	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
	DIN 6535 HA	TC630-M5X0.5-A0E-	M 5X0.5	0,5	4,3	1,5	12,75	57	21	6	4	☹
		TC630-M6X0.75-A0E-	M 6X0.75	0,75	5	2,25	15,38	57	21	6	4	☹
		TC630-M10X1-A0E-	M 10X1	1	8,55	3	25,5	72	32	10	5	☹
		TC630-M10X1.25A0E-	M 10X1.25	1,25	8,35	3,75	25,63	72	32	10	5	☹
		TC630-M14X1-A0E-	M 14X1	1	12	3	35,5	83	38	12	5	☹
		TC630-M14X1.5-A0E-	M 14X1.5	1,5	11,9	4,5	35,75	83	38	12	5	☹

Ordering example for the grade WB10TJ: TC630-M10X1-A0E-WB10TJ

C3

WALTER
SELECT

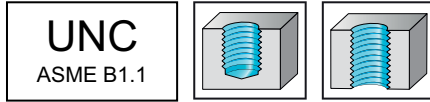
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
 DIN 6535 HA		TC630-UNC1-A0D-	UNC #1-64	64	1,4	0,79	3,91	38	10	3	4	☹
		TC630-UNC2-A0D-	UNC #2-56	56	1,6	1,36	4,59	57	21	6	4	☹
		TC630-UNC4-A0D-	UNC #4-40	40	2,1	1,91	6,7	57	21	6	4	☹
		TC630-UNC6-A0D-	UNC #6-32	32	2,6	2,38	8,3	57	21	6	4	☹
		TC630-UNC8-A0D-	UNC #8-32	32	3,25	2,38	8,73	57	21	6	4	☹
		TC630-UNC10-A0D-	UNC #10-24	24	3,55	3,18	11,3	57	21	6	4	☹

Ordering example for the grade WB10TJ: TC630-UNC1-A0D-WB10TJ

C3

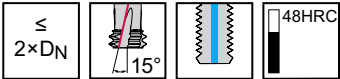
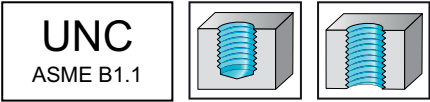
WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills
TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool											WB10TJ
	Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	
	TC630-UNC1/4-A1D-	UNC 1/4-20	20	4,85	3,81	14,7	57	21	6	4	☹
	TC630-UNC5/16-A1D-	UNC 5/16-18	18	6,2	4,23	18,1	63	27	8	4	☹
DIN 6535 HA											

Ordering example for the grade WB10TJ: TC630-UNC1/4-A1D-WB10TJ

WALTER
SELECT

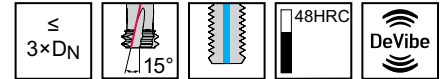
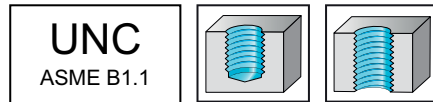
●● Primary application ● Other application

Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

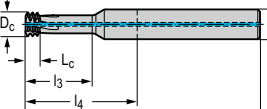
Solid carbide orbital thread mills

TC630 Supreme 

- Universal orbital thread milling cutters
- Best running smoothness due to Walter DeVibe technology



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool											
	Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
	TC630-UNC5/16-A5F-	UNC 5/16-18	18	6,2	4,23	25,95	63	29	8	4	
	TC630-UNC3/8-A5F-	UNC 3/8-16	16	7,55	4,76	29,37	68	32	8	5	
	TC630-UNC1/2-A5F-	UNC 1/2-13	13	10,25	5,86	39,08	89	44	12	5	
	TC630-UNC5/8-A5F-	UNC 5/8-11	11	12,9	6,93	48,78	103	55	16	5	
	TC630-UNC3/4-A5F-	UNC 3/4-10	10	15,7	7,62	58,42	110	62	16	6	
DIN 6535 HA											

DIN 6535 HA

Ordering example for the grade WB10TJ: TC630-UNC1/2-A5F-WB10TJ

C3

WALTER
SELECT

●● Primary application ● Other application

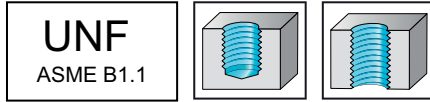
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool											
	Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
	TC630-UNF10-A0D-	UNF #10-32	32	3,85	2,38	10,9	57	21	6	4	
DIN 6535 HA											

Ordering example for the grade WB10TJ: TC630-UNF10-A0D-WB10TJ

C3

**WALTER
SELECT**

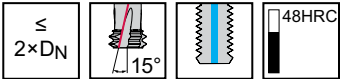
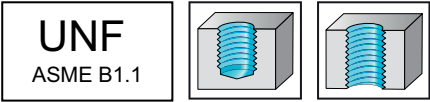
●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = 😞 machining conditions

Solid carbide orbital thread mills
TC630 Supreme

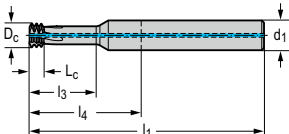
mm



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool												
		Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
		TC630-UNF1/4-A1D-	UNF 1/4-28	28	5,25	2,72	14,1	57	21	6	4	
		TC630-UNF5/16-A1D-	UNF 5/16-24	24	6,55	3,18	17,5	63	27	8	4	
		TC630-UNF3/8-A1D-	UNF 3/8-24	24	8	3,18	20,7	63	27	8	5	
DIN 6535 HA												

Ordering example for the grade WB10TJ: TC630-UNF1/4-A1D-WB10TJ

WALTER
SELECT

●● Primary application ● Other application

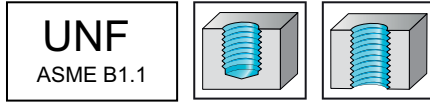
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



– Universal orbital thread milling cutters



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
DIN 6535 HA	★	TC630-UNF0-A0F-	UNF #0-80	80	1,15	0,32	4,735	38	10	3	4	●●
		TC630-UNF1-A0F-	UNF #1-72	72	1,4	0,71	5,74	38	10	3	4	●●
		TC630-UNF5-A0F-	UNF #5-44	44	2,45	1,73	9,82	57	21	6	4	●●
		TC630-UNF6-A0F-	UNF #6-40	40	2,75	1,91	11,5	57	21	6	4	●●
		TC630-UNF8-A0F-	UNF #8-36	36	3,25	2,12	12,85	57	21	6	4	●●
		TC630-UNF10-A0F-	UNF #10-32	32	3,85	2,38	15,7	57	21	6	4	●●
		TC630-UNF1/4-A0F-	UNF 1/4-28	28	5,25	2,72	20,45	57	22	6	4	●●
		TC630-UNF5/16-A0F-	UNF 5/16-24	24	6,55	3,18	25,4	63	28	8	4	●●

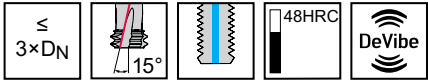
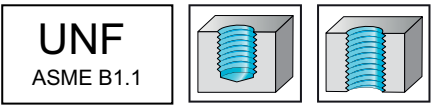
Ordering example for the grade WB10TJ: TC630-UNF0-A0F-WB10TJ

Solid carbide orbital thread mills

TC630 Supreme



- Universal orbital thread milling cutters
- Best running smoothness due to Walter DeVibe technology



	P	M	K	N	S	H	O
WB10TJ	●●	●●	●●	●●	●●		●

Tool		Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z	WB10TJ
		TC630-UNF7/16-A5F-	UNF 7/16-20	20	9,4	3,81	33,98	77	37	10	5	☹
		TC630-UNF9/16-A5F-	UNF 9/16-18	18	12	4,23	43,57	91	46	12	5	☹
		TC630-UNF3/4-A5F-	UNF 3/4-16	16	16,6	4,76	57,95	110	62	18	6	☹
DIN 6535 HA												

Ordering example for the grade WB10TJ: TC630-UNF3/4-A5F-WB10TJ

WALTER
SELECT

●● Primary application ● Other application

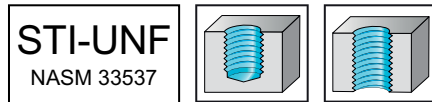
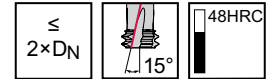
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹ machining conditions

Solid carbide orbital thread mills

TC630 Supreme



- Specialist for aerospace industry
- Ideal for engine components



	P	M	K	N	S	H	O
WB10RA	●	●●	●	●	●●		●

Tool												WB10RA
Designation	D _N -P	Threads per inch	D _c mm	L _c mm	l ₃ mm	l ₁ mm	l ₄ mm	d ₁ h6 mm	Z			
TC630-SUNF10-A0D-	STIUNF #10-32	32	4,85	2,38	12,12	57	21	6	4			☸
TC630-SUNF1/4-A0D-	STIUNF 1/4-28	28	6,3	2,72	15,52	63	27	8	4			☸
TC630-SUNF5/16A0D-	STIUNF 5/16-24	24	7,85	3,17	19,16	63	27	8	5			☸
TC630-SUNF3/8-A0D-	STIUNF 3/8-24	24	9,35	3,17	22,33	72	32	10	5			☸

DIN 6535 HA

Ordering example for the grade WB10RA: TC630-SUNF1/4-A0D-WB10RA

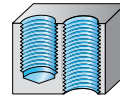
C3

WALTER
SELECT

●● Primary application ● Other application
Best tool for → Good = 😊 → Average = 😐 → Poor = ☹️ machining conditions

Thread milling cutters with indexable insert

Machining



Thread depth

1,5 x D_N2 x D_N2,5 x D_N3 x D_N

Designation	T2710	T2711	T2712	T2713
Thread type				
M	✓	✓	✓	✓
MF	✓	✓	✓	✓
UNC / UNF / UN-8	✓	✓	✓	✓
G / Rc / Rp			✓	✓
MJ / UNJC / UNJF				
NPT / NPTF				
Pg / BSW / Tr				
Indexable inserts basic shape	✓	✓	✓	✓
Additional services				
Coolant supply	radial	radial	radial	radial
Coating / grade				
Cutting tool material	Stahl	Stahl	Stahl	Stahl
P Steel	●●	●●	●●	●●
M Stainless steel	●●	●●	●●	●●
K Cast iron	●●	●●	●●	●●
N NF metals	●	●	●	●
S Materials with difficult cutting properties	●●	●●	●●	●●
H Hard materials	●	●	●	●
O Other	●	●	●	●
Page in catalogue				
	C 436	C 440	C 448	C 452
QR code				
				
	T2710	T2711	T2712	T2713

www.walter-tools.com/woc/

WALTER SELECT

●● Primary application ● Other application

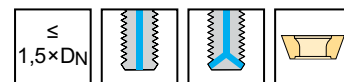
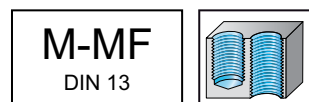
Indexable insert thread milling cutter

T2710

mm



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2710	●	●	●	●	●	●	●

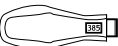
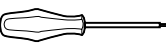
Tool	Designation	D _N	P _{max} mm	D _c mm	l ₂₁ mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	Number of cutting edges	Type
 DIN 1835 B	T2710-17-W16-3-06-2-15	M 20	2,5	16,5	15	33	88	16	3	6	P26300-06 ..
	T2710-19-W20-3-06-3-12	M 24	3	19	12	39,1	98	20	3	9	P26300-06 ..
 DIN 1835 B	T2710-24-W25-3-09-3-14	M 30	3,5	24	14	49,5	117	25	3	9	P26300-09 ..
	T2710-29-W32-3-09-3-16	M 36	4	29	16	58,5	131	32	3	9	P26300-11 ..
	T2710-35-W32-3-11-3-18	M 42	4,5	35	18	68,5	139	32	3	9	P26300-14 ..
	T2710-40-W40-3-14-3-20	M 48	5	40	20	79	163	40	3	9	P26300-14 ..
	T2710-44-W40-3-14-3-22	M 56	5,5	44	22	91	174	40	3	9	P26300-14 ..
	T2710-52-W40-4-14-3-24	M 64	6	52	24	103	185	40	4	12	P26300-14 ..

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	16,5–19	24–29	35	40–52
	Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,6 Nm	FS2111 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS1457 (T9IP) 2 Nm

Accessories

	D _c [mm]	16,5–19	24–35	40–52
	Torque screwdriver, analogue	FS2001	FS2001	FS2003
	Torque screwdriver, digital			FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2013 (T9IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1484 (T9IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P		M		K		N		S		H	
								HC	WSM37G	HC	WSM37S	HC	WSM37G	HC	WSM37S	HC	WSM37G	HC	WSM37S
	P26300-0601-D61	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D61	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3												
	P26300-1101-D61	11	0,1	1.40–2.9	18–9	10,85	3												
	P26300-1102-D61	11	0,2	3.00–4.5	8–6	10,71	3												
	P26300-1401-D61	14	0,1	1.40–2.9	18–9	13,87	3												
	P26300-1402-D61	14	0,2	3.00–5.2	8–5	13,72	3												
	P26300-1404-D61	14	0,4	5.50–6.4	5–4	13,43	3												
	P26300-0601-D67	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D67	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D67	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D67	09	0,2	3.00–4.3	8–6	9,34	3												
	P26300-1102-D67	11	0,2	3.00–4.5	8–6	10,71	3												
	P26300-1401-D67	14	0,1	1.40–2.9	18–9	13,87	3												
	P26300-1402-D67	14	0,2	3.00–5.2	8–5	13,72	3												
	P26300-1404-D67	14	0,4	5.50–6.4	5–4	13,43	3												

HC = beschichtetes Hartmetall

C3

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = → Good = → Moderate = 

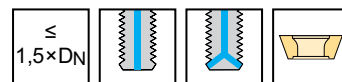
Indexable insert thread milling cutter

T2710

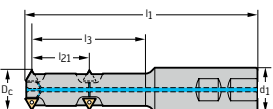
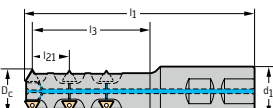
mm



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2710	●	●	●	●	●	●	●

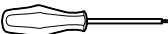
Tool		P _{max} T- PI in										Number of cutting edges	Type	
Designation	D _N	D _C mm	l ₂₁ mm	l ₃ mm	l ₁ mm	d ₁ mm	Z							
	T2710-18-W16-3-06-2-11.3	UNC 7/8-9	9	18	11,3	36,5	92	16	3	6	P26300-06 ..			
DIN 1835 B														
	T2710-20-W20-3-06-3-12.7	UNC 1-8	8	20	12,7	41,1	100	20	3	9	P26300-06 ..			
	T2710-26-W25-3-09-3-12.7	UN 1.1/4-8	8	26	12,7	52,2	119	25	3	9	P26300-09 ..			
	T2710-31-W32-3-09-3-19.1	UN 1.1/2-8	8	31	19,1	63,7	135	32	3	9				
DIN 1835 B	T2710-43-W40-4-09-3-25.4	UN 2-6	6	43	25,4	80,7	160	40	4	12				

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	18–20	26–43
	Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,6 Nm	FS2111 (T7IP) 0,9 Nm

Accessories

	D _c [mm]	18–20	26–43
	Torque screwdriver, analogue	FS2001	FS2001
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P		M		K		N		S		H	
								HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G
	P26300-0601-D61	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D61	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3												
	P26300-0601-D67	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D67	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D67	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D67	09	0,2	3.00–4.3	8–6	9,34	3												

HC = beschichtetes Hartmetall

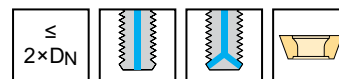
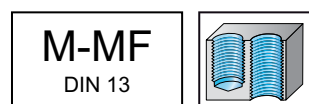
Indexable insert thread milling cutter

T2711

mm



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2711	●	●	●	●	●	●	●

Tool	Designation	D _N	P _{max} mm	D _c mm	l ₂₁ mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	Number of cutting edges	Type
 DIN 1835 B	T2711-13-W16-1-06	M 16	2	13		35	92	16	1	1	P26300-06 ..
	T2711-15-W16-2-06	M 18	2,5	14,5		39	95	16	2	2	P26300-06 ..
 DIN 1835 B	T2711-17-W16-3-06-2-20	M 20	2,5	16,5	20	43	98	16	3	6	P26300-06 ..
	T2711-19-W20-3-06-2-24	M 24	3	19	24	51	110	20	3	6	P26300-09 ..
	T2711-24-W25-3-09-2-31.5	M 30	3,5	24	31,5	64,5	132	25	3	6	P26300-14 ..
	T2711-52-W40-4-14-2-60	M 64	6	52	60	135	217	40	4	8	P26300-14 ..
 DIN 1835 B	T2711-29-W32-3-09-3-24	M 36	4	29	24	72,1	149	32	3	9	P26300-09 ..
	T2711-35-W32-3-11-3-27	M 42	4,5	35	27	89,5	160	32	3	9	P26300-11 ..
	T2711-40-W40-3-14-3-30	M 48	5	40	30	103	187	40	3	9	P26300-14 ..
	T2711-44-W40-3-14-3-33	M 56	5,5	44	33	119	202	40	3	9	P26300-14 ..

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good =

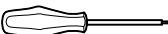
→ Good =

→ Moderate =

Assembly parts

D _c [mm]	13–19	24–29	35	40–52
 Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,6 Nm			
Clamping screw for indexable insert		FS2111 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS1457 (T9IP) 2 Nm

Accessories

D _c [mm]	13–19	24–35	40–52
 Torque screwdriver, analogue	FS2001	FS2001	FS2003
 Torque screwdriver, digital			FS2248
 Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2013 (T9IP)
 Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1484 (T9IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P	M	K	N	S	H
								HC	HC	HC	HC	HC	HC
	P26300-0601-D61	06	0,1	1.40–2.9	18–9	6,73	3						
	P26300-0602-D61	06	0,2	3.00–3.2	8–8	6,58	3						
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3						
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3						
	P26300-1401-D61	14	0,1	1.40–2.9	18–9	13,87	3						
	P26300-1402-D61	14	0,2	3.00–5.2	8–5	13,72	3						
	P26300-1404-D61	14	0,4	5.50–6.4	5–4	13,43	3						
	P26300-1101-D61	11	0,1	1.40–2.9	18–9	10,85	3						
	P26300-1102-D61	11	0,2	3.00–4.5	8–6	10,71	3						
	P26300-0601-D67	06	0,1	1.40–2.9	18–9	6,73	3						
	P26300-0602-D67	06	0,2	3.00–3.2	8–8	6,58	3						
	P26300-0901-D67	09	0,1	1.40–2.9	18–9	9,48	3						
	P26300-0902-D67	09	0,2	3.00–4.3	8–6	9,34	3						
	P26300-1401-D67	14	0,1	1.40–2.9	18–9	13,87	3						
	P26300-1402-D67	14	0,2	3.00–5.2	8–5	13,72	3						
	P26300-1404-D67	14	0,4	5.50–6.4	5–4	13,43	3						
	P26300-1102-D67	11	0,2	3.00–4.5	8–6	10,71	3						

HC = beschichtetes Hartmetall

C3

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = → Good = → Moderate = 

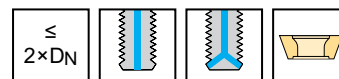
Indexable insert thread milling cutter

T2711

mm



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2711	●	●	●	●	●	●	●

Tool	Designation	D _N	P _{max} T- Pl in	D _c mm	l ₂₁ mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	Number of cutting edges	Type
 DIN 1835 B	T2711-16-W16-2-06	UNC 3/4-10	10	15,5		41	97	16	2	2	P26300-06 ..
 DIN 1835 B	T2711-18-W16-3-06-2-25.4	UNC 7/8-9	9	18	25,4	47,5	103	16	3	6	P26300-06 ..
	T2711-20-W20-3-06-2-25.4	UNC 1-8	8	20	25,4	53,9	113	20	3	6	
	T2711-26-W25-3-09-2-32.7	UNC 1 1/4-7	7	26	32,7	68	135	25	3	6	P26300-09 ..
 DIN 1835 B	T2711-31-W32-3-09-3-25.4	UNC 1 1/2-6	6	31	25,4	80,7	153	32	3	9	P26300-09 ..

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good =

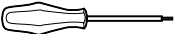
→ Good =

→ Moderate =

Assembly parts

	D _c [mm]	15,5–20	26–31
	Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,6 Nm	
	Clamping screw for indexable insert		FS2111 (T7IP) 0,9 Nm

Accessories

	D _c [mm]	15,5–20	26–31
	Torque screwdriver, analogue	FS2001	FS2001
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P		M		K		N		S		H	
								HC		HC		HC		HC		HC		HC	
								WSM37G	WSM37S	WSM37G	WSM37S	WSM37G	WSM37S	WSM37G	WSM37S	WSM37G	WSM37S	WSM37G	WSM37S
	P26300-0601-D61	06	0,1	1,40–2,9	18–9	6,73	3												
	P26300-0602-D61	06	0,2	3,00–3,2	8–8	6,58	3												
	P26300-0901-D61	09	0,1	1,40–2,9	18–9	9,48	3												
	P26300-0902-D61	09	0,2	3,00–4,3	8–6	9,34	3												
	P26300-0601-D67	06	0,1	1,40–2,9	18–9	6,73	3												
	P26300-0602-D67	06	0,2	3,00–3,2	8–8	6,58	3												
	P26300-0901-D67	09	0,1	1,40–2,9	18–9	9,48	3												
	P26300-0902-D67	09	0,2	3,00–4,3	8–6	9,34	3												

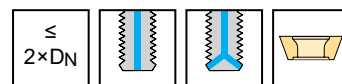
HC = beschichtetes Hartmetall

Indexable insert thread milling cutter

T2711 / T2712 inch



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2711	●	●	●	●	●	●	●
T2712	●	●	●	●	●	●	●

Tool	Designation	D _N	P _{max} T- Pl in	D _c inch	l ₂₁ inch	l ₃ inch	l ₁ inch	d ₁ inch	Z	Number of cutting edges	Type
 DIN 1835 B	T2711.20-W19-3-06-2-25.4	UNC 1	8	0,787	1,000	2,122	4,461	0,750	3	6	P26300-06 ..
	T2711.26-W26-3-09-2-32.7	UNC 1 1/4-7	7	1,024	1,286	2,677	5,299	1,000	3	6	P26300-09 ..
 DIN 1835 B	T2711.31-W31-3-09-3-25.4	UNC 1 1/2-6	6	1,22	1,000	3,177	5,892	1,250	3	9	P26300-09 ..
 DIN 1835 B	T2712.20-W19-3-06	UNC 1	8	0,787		2,618	4,953	0,750	3	3	P26300-06 ..
	T2712.23-W26-3-09	UNC 1 1/8	7	0,886		2,992	5,675	1,000	3	3	P26300-09 ..
	T2712.28-W31-3-09	UNC 1 3/8	6	1,083		3,622	6,482	1,250	3	3	

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

C3

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = ☺

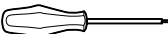
→ Good = ☹

→ Moderate = ☹

Assembly parts

	D _c [inch]	0,787	0,886–1,22
	Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,443 lbs	FS2111 (T7IP) 0,664 lbs

Accessories

	D _c [inch]	0,787	0,886–1,22
	Torque screwdriver, analogue	FS2002	FS2002
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)

Indexable inserts

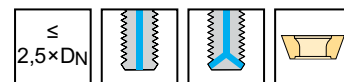
	Designation	Size	r inch	Pitch (P) inch	Lead (TPI) in	l inch	Number of cutting edges	P		M		K		N		S		H	
								HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G
	P26300-0601-D61	06	0,004	0,055–0,114	18–9	0,265	3												
	P26300-0602-D61	06	0,008	0,118–0,126	8–8	0,259	3												
	P26300-0901-D61	09	0,004	0,055–0,114	18–9	0,373	3												
	P26300-0902-D61	09	0,008	0,118–0,169	8–6	0,368	3												
	P26300-0601-D67	06	0,004	0,055–0,114	18–9	0,265	3												
	P26300-0602-D67	06	0,008	0,118–0,126	8–8	0,259	3												
	P26300-0901-D67	09	0,004	0,055–0,114	18–9	0,373	3												
	P26300-0902-D67	09	0,008	0,118–0,169	8–6	0,368	3												
	P26310-09G11-D61	09	0,008	0,091–0,091	11–11	0,368	3												

HC = beschichtetes Hartmetall

Indexable insert thread milling cutter

T2712 mm


- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2712	●	●	●	●	●	●	●

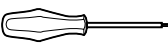
Tool	Designation	D _N	P _{max} mm	D _c mm	l ₂₁ mm	L _c mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	Number of cutting edges	Type
 DIN 1835 B	T2712-13-W16-1-06	M 16	2	13			43	100	16	1	1	P26300-06 ..
	T2712-17-W16-3-06	M 20	2,5	16,5			53	108	16	3	3	
	T2712-19-W20-3-06	M 24	3	19			63	123	20	3	3	
	T2712-24-W25-3-09	M 30	3,5	24			79,5	148	25	3	3	P26300-09 ..
	T2712-29-W32-3-09	M 36	4	29			94,5	167	32	3	3	
	T2712-35-W32-3-11	M 42	4,5	35			110,5	181	32	3	3	P26300-11 ..
	T2712-40-W40-3-14	M 48	5	40			127	211	40	3	3	P26300-14 ..
	T2712-44-W40-3-14	M 56	5,5	44			147	230	40	3	3	
 DIN 1835 B	T2712-52-W40-4-14	M 64	6	52			167	249	40	4	4	
	T2712-24-W25-3-09-2-31.5	M 30	3,5	24	31,5	63	79,5	147	25	3	6	P26300-09 ..
	T2712-29-W32-3-09-2-36	M 36	4	29	36	72	94,5	167	32	3	6	
	T2712-35-W32-3-11-2-40.5	M 42	4,5	35	40,5	81	110,5	180	32	3	6	P26300-11 ..
	T2712-40-W40-3-14-2-50	M 48	5	40	50	100	127	211	40	3	6	P26300-14 ..

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	13–19	24–29	35	40–52
	Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,6 Nm	FS2111 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS1457 (T9IP) 2 Nm

Accessories

	D _c [mm]	13–19	24–35	40–52
	Torque screwdriver, analogue	FS2001	FS2001	FS2003
	Torque screwdriver, digital			FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2013 (T9IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1484 (T9IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P		M		K		N		S		H	
								HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G
	P26300-0601-D61	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D61	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3												
	P26300-1101-D61	11	0,1	1.40–2.9	18–9	10,85	3												
	P26300-1102-D61	11	0,2	3.00–4.5	8–6	10,71	3												
	P26300-1401-D61	14	0,1	1.40–2.9	18–9	13,87	3												
	P26300-1402-D61	14	0,2	3.00–5.2	8–5	13,72	3												
	P26300-1404-D61	14	0,4	5.50–6.4	5–4	13,43	3												
	P26300-0601-D67	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D67	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D67	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D67	09	0,2	3.00–4.3	8–6	9,34	3												
	P26300-1102-D67	11	0,2	3.00–4.5	8–6	10,71	3												
	P26300-1401-D67	14	0,1	1.40–2.9	18–9	13,87	3												
	P26300-1402-D67	14	0,2	3.00–5.2	8–5	13,72	3												
	P26300-1404-D67	14	0,4	5.50–6.4	5–4	13,43	3												
	P26310-09G11-D61	09	0,2	2.30–2.3	11–11	9,34	3												
	P26310-14G11-D61	14	0,2	2.30–2.3	11–11	13,72	3												

HC = beschichtetes Hartmetall

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

→ Very good = → Good = → Moderate = 

Indexable insert thread milling cutter

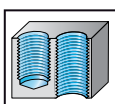
T2712


- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information

M-MF
DIN 13

**UNC/UNF
UN**
ASME B1.1

G (BSP)
DIN EN ISO 228


 $\leq 2,5 \times D_N$


	P	M	K	N	S	H	O
T2712	●	●	●	●	●	●	●

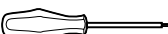
Tool	Designation	D_N	P_{max} mm	D_c mm	l_3 mm	l_1 mm	d_1 mm	Z	Number of cutting edges	Type
 DIN 1835 B	T2712-13-W16-1-06	M 16	2	13	43	100	16	1	1	P26300-06 ..
	T2712-17-W16-3-06	M 20	2,5	16,5	53	108	16	3	3	
	T2712-19-W20-3-06	M 24	3	19	63	123	20	3	3	
	T2712-24-W25-3-09	M 30	3,5	24	79,5	148	25	3	3	P26300-09 ..
	T2712-29-W32-3-09	M 36	4	29	94,5	167	32	3	3	
	T2712-35-W32-3-11	M 42	4,5	35	110,5	181	32	3	3	P26300-11 ..
	T2712-40-W40-3-14	M 48	5	40	127	211	40	3	3	P26300-14 ..
	T2712-44-W40-3-14	M 56	5,5	44	147	230	40	3	3	
	T2712-52-W40-4-14	M 64	6	52	167	249	40	4	4	

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	13–19	24–29	35	40–52
	Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,6 Nm	FS2111 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS1457 (T9IP) 2 Nm

Accessories

	D _c [mm]	13–19	24–35	40–52
	Torque screwdriver, analogue	FS2001	FS2001	FS2003
	Torque screwdriver, digital			FS2248
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2013 (T9IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1484 (T9IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P		M		K		N		S		H	
								HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G	HC	WSM37G
	P26300-0601-D61	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D61	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3												
	P26300-1101-D61	11	0,1	1.40–2.9	18–9	10,85	3												
	P26300-1102-D61	11	0,2	3.00–4.5	8–6	10,71	3												
	P26300-1401-D61	14	0,1	1.40–2.9	18–9	13,87	3												
	P26300-1402-D61	14	0,2	3.00–5.2	8–5	13,72	3												
	P26300-1404-D61	14	0,4	5.50–6.4	5–4	13,43	3												
	P26300-0601-D67	06	0,1	1.40–2.9	18–9	6,73	3												
	P26300-0602-D67	06	0,2	3.00–3.2	8–8	6,58	3												
	P26300-0901-D67	09	0,1	1.40–2.9	18–9	9,48	3												
	P26300-0902-D67	09	0,2	3.00–4.3	8–6	9,34	3												
	P26300-1102-D67	11	0,2	3.00–4.5	8–6	10,71	3												
	P26300-1401-D67	14	0,1	1.40–2.9	18–9	13,87	3												
	P26300-1402-D67	14	0,2	3.00–5.2	8–5	13,72	3												
	P26300-1404-D67	14	0,4	5.50–6.4	5–4	13,43	3												
	P26310-09G11-D61	09	0,2	2.30–2.3	11–11	9,34	3												
	P26310-14G11-D61	14	0,2	2.30–2.3	11–11	13,72	3												

HC = beschichtetes Hartmetall

WALTER SELECT

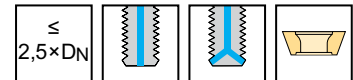
Stability of machine, workpiece and clamping arrangement

→ Very good = → Good = → Moderate = 

Indexable insert thread milling cutter

T2712 mm


- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2712	●	●	●	●	●	●	●

Tool

Designation	D _N	P _{max} Pl in	D _c mm	l ₂₁ mm	L _c mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	Number of cutting edges	Type
T2712-26-W25-3-09-2-32.7	UNC 1 1/4-7	7	26	32,7	65,3	84	151	25	3	6	P26300-09 ..
T2712-31-W32-3-09-2-38.1	UNC 1 1/2-6	6	31	38,1	76,2	99,8	172	32	3	6	

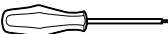
DIN 1835 B

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	26–31
	Clamping screw for indexable insert Tightening torque	FS2111 (T7IP) 0,9 Nm

Accessories

	D _c [mm]	26–31
	Torque screwdriver, analogue	FS2001
	Interchangeable blade	FS2011 (T7IP)
	Screwdriver	FS2088 (T7IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P	M	K	N	S	H
								HC	HC	HC	HC	HC	HC
								WSM37G	WSM37S	WSM37G	WSM37S	WSM37G	WSM37S
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3						
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3						
	P26300-0901-D67	09	0,1	1.40–2.9	18–9	9,48	3						
	P26300-0902-D67	09	0,2	3.00–4.3	8–6	9,34	3						

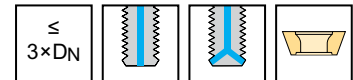
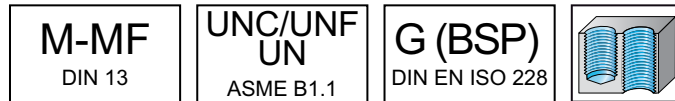
HC = beschichtetes Hartmetall

Indexable insert thread milling cutter

T2713



- Universal indexable insert thread milling cutter
- Radius correction values: Walter GPS/Technical information



	P	M	K	N	S	H	O
T2713	●	●	●	●	●	●	●

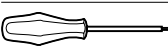
Tool	Designation	D _N	P _{max} mm	D _C mm	l ₃ mm	l ₁ mm	d ₁ mm	Z	Number of cutting edges	Type
 DIN 1835 B	T2713-17-W16-3-06	M 20	2,5	16,5	63	118	16	3	3	P26300-06 ..
	T2713-19-W20-3-06	M 24	3	19	75	135	20	3	3	
	T2713-24-W25-3-09	M 30	3,5	24	94,5	163	25	3	3	P26300-09 ..
	T2713-29-W32-3-09	M 36	4	29	112,5	185	32	3	3	
	T2713-35-W32-3-11	M 42	4,5	35	131,5	202	32	3	3	P26300-11 ..
	T2713-40-W40-3-14	M 48	5	40	151	235	40	3	3	P26300-14 ..
	T2713-44-W40-3-14	M 56	5,5	44	175	258	40	3	3	
 Walter Capto™ in acc. with ISO 26623	T2713-52-W40-4-14	M 64	6	52	199	281	40	4	4	
	T2713-60-C5-4-14	M 72	6	60	115	152	50	4	4	P26300-14 ..
	T2713-73-C6-5-14	M 85	6	73	125	170	63	5	5	
	T2713-94-C8-5-22	M 125	10	94	140	199	80	5	5	P26300-22 ..

Adjustable coolant supply: remove front-sided coolant screw for blind hole machining | Bodies and assembly parts are included in the scope of delivery

Assembly parts

	D _c [mm]	16,5–19	24–29	35	40–73	94
	Clamping screw for indexable insert Tightening torque	FS2147 (T6IP) 0,6 Nm	FS2111 (T7IP) 0,9 Nm	FS2061 (T7IP) 0,9 Nm	FS1457 (T9IP) 2 Nm	FS1495 (T20IP) 5 Nm
	Torque screwdriver, digital					FS2248

Accessories

	D _c [mm]	16,5–19	24–35	40–73	94
	Torque screwdriver, analogue	FS2001	FS2001	FS2003	FS2003
	Torque screwdriver, digital			FS2248	
	Interchangeable blade	FS2085 (T6IP)	FS2011 (T7IP)	FS2013 (T9IP)	FS2015 (T20IP)
	Screwdriver	FS2086 (T6IP)	FS2088 (T7IP)	FS1484 (T9IP)	FS1486 (T20IP)

Indexable inserts

	Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P	M	K	N	S	H
								HC	HC	HC	HC	HC	HC
	P26300-0601-D61	06	0,1	1.40–2.9	18–9	6,73	3						
	P26300-0602-D61	06	0,2	3.00–3.2	8–8	6,58	3						
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3						
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3						
	P26300-1101-D61	11	0,1	1.40–2.9	18–9	10,85	3						
	P26300-1102-D61	11	0,2	3.00–4.5	8–6	10,71	3						
	P26300-1401-D61	14	0,1	1.40–2.9	18–9	13,87	3						
	P26300-1402-D61	14	0,2	3.00–5.2	8–5	13,72	3						
	P26300-1404-D61	14	0,4	5.50–6.4	5–4	13,43	3						
	P26300-2204-D61	22	0,4	6.00–10.0	4–3	21,41	3						
	P26310-09G11-D61	09	0,2	2.30–2.3	11–11	9,34	3						
	P26310-14G11-D61	14	0,2	2.30–2.3	11–11	13,72	3						
	P26300-1401-D67	14	0,1	1.40–2.9	18–9	13,87	3						
	P26300-1402-D67	14	0,2	3.00–5.2	8–5	13,72	3						
	P26300-1404-D67	14	0,4	5.50–6.4	5–4	13,43	3						

HC = beschichtetes Hartmetall

C3

WALTER SELECT

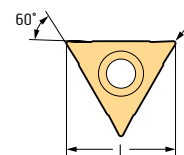
Stability of machine, workpiece and clamping arrangement

→ Very good = → Good = → Moderate = 

Thread milling cutter inserts – M, MF, UNC, UNF, UN

P26300

Tiger-tec® Gold



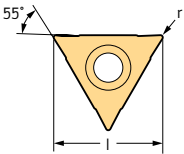
Indexable inserts

Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	l mm	Number of cutting edges	P	M	K	N	S	H
							HC	HC	HC	HC	HC	HC
							WSM37G	WSM37G	WSM37G	WSM37G	WSM37G	WSM37G
	P26300-0601-D67	06	0,1	1.40–2.9	18–9	6,73	3					
	P26300-0602-D67	06	0,2	3.00–3.2	8–8	6,58	3					
	P26300-0901-D67	09	0,1	1.40–2.9	18–9	9,48	3					
	P26300-0902-D67	09	0,2	3.00–4.3	8–6	9,34	3					
	P26300-1102-D67	11	0,2	3.00–4.5	8–6	10,71	3					
	P26300-1401-D67	14	0,1	1.40–2.9	18–9	13,87	3					
	P26300-1402-D67	14	0,2	3.00–5.2	8–5	13,72	3					
	P26300-1404-D67	14	0,4	5.50–6.4	5–4	13,43	3					
	P26300-0601-D61	06	0,1	1.40–2.9	18–9	6,73	3					
	P26300-0602-D61	06	0,2	3.00–3.2	8–8	6,58	3					
	P26300-0901-D61	09	0,1	1.40–2.9	18–9	9,48	3					
	P26300-0902-D61	09	0,2	3.00–4.3	8–6	9,34	3					
	P26300-1101-D61	11	0,1	1.40–2.9	18–9	10,85	3					
	P26300-1102-D61	11	0,2	3.00–4.5	8–6	10,71	3					
	P26300-1401-D61	14	0,1	1.40–2.9	18–9	13,87	3					
	P26300-1402-D61	14	0,2	3.00–5.2	8–5	13,72	3					
	P26300-1404-D61	14	0,4	5.50–6.4	5–4	13,43	3					
	P26300-2204-D61	22	0,4	6.00–10.0	4–3	21,41	3					

Ordering example for the grade WSM37G: P26300-0601-D67 WSM37G

HC = Coated carbide

Thread milling cutter inserts – G (BSP)
P26310
Tiger-tec® Gold

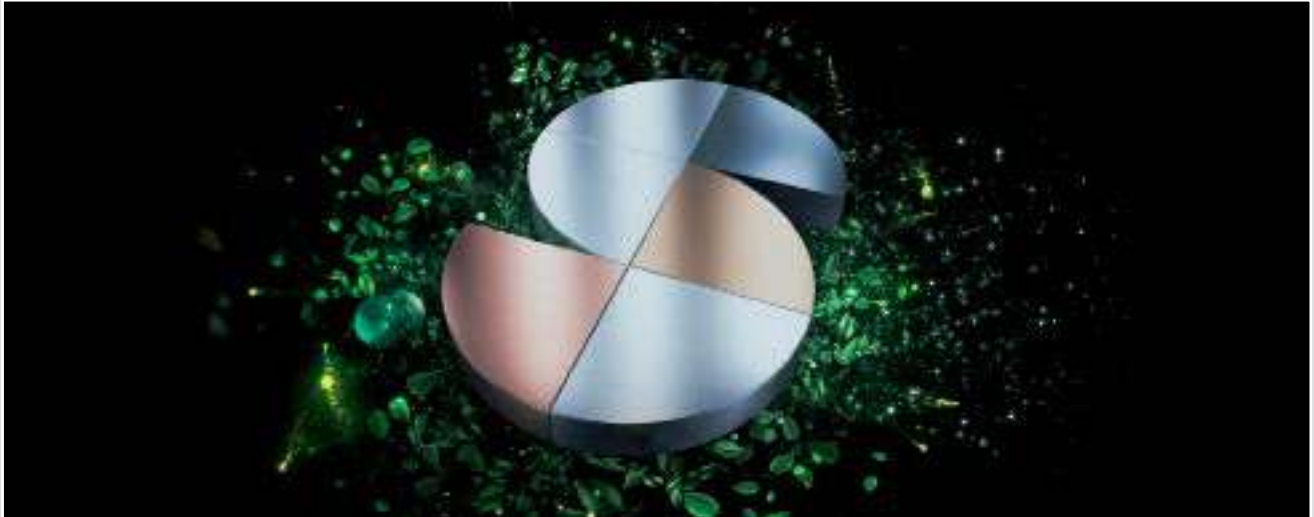


Indexable inserts								P	M	K	N	S	H
								HC	HC	HC	HC	HC	HC
								WSM37G	WSM37G	WSM37G	WSM37G	WSM37G	WSM37G
Designation	Size	r mm	Pitch (P) mm	Lead (TPI) in	I mm	Number of cutting edges							
	P26310-09G11-D61	09	0,2	2.30-2.3	11-11	9,34	3						
	P26310-14G11-D61	14	0,2	2.30-2.3	11-11	13,72	3						

Ordering example for the grade WSM37G: P26310-09G11-D61 WSM37G

HC = Coated carbide

C3



Sustainable products and services – certified and transparent

Walter is a company that takes responsibility for people and the environment. Sustainability is a central component of our corporate strategy. It pervades our products and business divisions and is reviewed and certified by independent third parties on a regular basis.

Proven to be produced to high standards

All processes, procedures, methods and instruments that we use are checked and certified by an independent body according to strict criteria. Occupational health and safety, quality assurance and environmentally friendly actions (e.g. through CO₂ compensation of our energy use) are examples of this. Our social commitment shows that Walter has a broader definition of responsibility.

Transparency throughout the entire process chain – for your peace of mind

The integrated management system at Walter includes the sustainable use of resources and production equipment as well as of people – our customers, partners and employees. So that you can count on all of our products meeting these requirements throughout the entire process chain, we apply our own benchmarks to our suppliers too.

Certification

The integrated management system at Walter includes certification in accordance with:

- ISO 9001 (Quality management)
- ISO 14001 (Environmental management)
- ISO 45001 (Occupational health and safety management)
- ISO 50001 (Energy management)
- Certified according to Ecovadis Gold Standard and NQC rating



You can find more information on Walter certification here:



Occupational health and safety

Walter protects its employees against health hazards. To prevent accidents, we continuously review our processes and take proactive measures as a precaution.



Environmental and energy management

Environmental protection is an important company objective for Walter. We use energy efficiently and deploy practical methods to sustainably reduce the consumption of energy, water and resources.



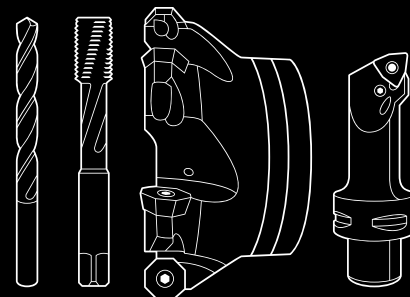
Quality management

Walter is continuously improving its products and processes. We ensure our product quality using effective measures and procedures – and check it on a regular basis with our comprehensive quality management system.

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