TOOLS FOR THREADS

FANAR®

2017 BEST CHOICE

MACHINE TAPS | DIES

Tool Factory FANAR Joint Stock Company is a leading manufacturer of cutting tools for threading. Near 50 years we focus on innovation, quality and continuous development. In the last two years FANAR made several investments in modern machinery for the production of taps and measuring devices. We definitely improved the quality management achieving strong increase in quality stability of taps.

We are producer with global reach

Our tools are distributed to more than 40 countries.More and more recognizable brand of producer of the highest quality allows for further international expansion.Looking for tools of the highest quality thread take advantage of our global distribution network.The current list of official distributors available on the www.fanar.eu

Dear Clients
we give you to use compacted version of the catalogue of our products The BEST CHOICE for 2017.
We wish you a successful and reliable cooperation with our company.

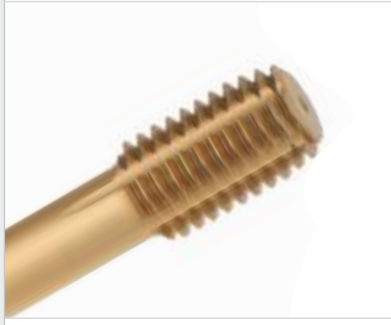
page

HIGH PERFORMANCE TAPS NORM : DIN 371 / 376 / 374

MASTERTAP APPLICATION P M K N S

HIGH PERFORMANCE TAPS NORM : DIN 371 / 376 / 374

800X	APPLICATION:	P M K N
800	APPLICATION:	P
INOX	APPLICATION:	M
FAN-1200	APPLICATION:	P M K N
1400	APPLICATION:	P M K
GG	APPLICATION:	K
GAL	APPLICATION:	N



FORMING TAPS NORM: DIN 371 / 376 / 374 (~2174)

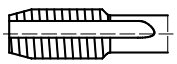
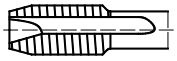
WGN APPLICATION: P M N S

MACHINE SCREWING DIES NORM: DIN 22568

800 SPN	APPLICATION:	P N
INOX	APPLICATION:	P M N
INOX+	APPLICATION:	P M N

TECHNICAL INFORMATIONS

Execution	
IK	Internal cooling
IKR	Radial internal cooling
SR	Oil flutes
SPN	Spiral point

Execution-flutes		
		Straight flutes
B		Straight flutes with spiral point
R		Right spiral flutes

Material	
HSS	High speed molibden steel
HSSE	High speed cobalt steel
HSSE PM	High speed powder steel. *Applied up to 16mm diameter, over for request*
VHM	Micrograin solid carbide

Detailed information about materials on the website on **www.fanar.eu** the bookmark "Technical information"

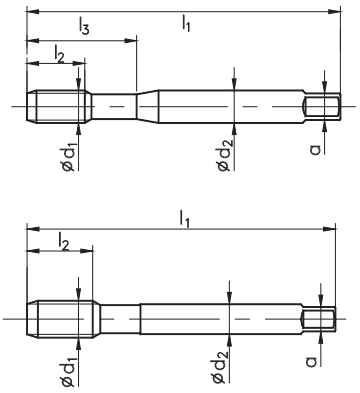
Annealed	A			
Tempered	QT			
Hardened and tempered	HT			
Precipitation hardened	PH			

Group				Rm	HB	
P		**Steel**				
	P1	Non-alloyed steel	Free cutting steel	A	750	220	P1
	P2		C ≤ 0,55 %	A	650	190	P2
	P3		C > 0,55 %	A	650	190	P3
	P4		C ≤ 0,55 %	QT	700	210	P4
	P5		C > 0,55 %	QT	1000	300	P5
	P6	Low-alloyed steel		A	600	175	P6
	P7			QT	1000	300	P7
	P8			QT	1200	380	P8
	P9			QT	1400	420	P9
	P10	High-alloyed steel and high-alloyed tool steel		A	700	210	P10
	P11			A	1000	300	P11
	P12			HT	1400	420	P12
	P13	Stainless steel	Ferritic/martensitic	A	700	210	P13
	P14		Martensitic	QT	1100	330	P14
M		**Stainless steel**				
	M1	**Stainless steel**	Austenitic		700	210	M1
	M2		Austenitic	PH	1000	300	M2
	M3		Duplex		800	240	M3
K		**Cast iron**				
	K1	Grey cast iron	Ferritic		600	180	K1
	K2		Pearlitic		820	240	K2
	K3	Malleable cast iron	Ferritic		675	200	K3
	K4		Pearlitic		870	260	K4
	K5	Cast iron with spheroidal graphite	Ferritic		520	155	K5
	K6		Pearlitic		900	270	K6
N		**Non -ferrous metals**				
	N1	Aluminium wrought alloys			-	30	N1
	N2			PH	345	10	N2
	N3	Cast aluminium alloys	Si ≤ 12%		260	75	N3
	N4		Si ≤ 12%	PH	300	90	N4
	N5		Si> 12 %		450	130	N5
	N6	Magnesium alloys			250	70	N6
	N7	Copper and copper alloys	Non-alloyedBrass		350	100	N7
	N8		bronzeCu-alloys		300	90	N8
	N9		short-chipping		400	110	N9
	N10		High-strength		1000	300	N10
S		**Superalloys and titanium**				
	S1	Heat-resistant alloys	Fe-based	A	675	200	S1
	S2			PH	950	280	S2
	S3		Ni / Co base	A	850	250	S3
	S4			PH	1200	350	S4
	S5			C	1100	320	S5
	S6	Titanium alloys	Pure titanium		675	200	S6
	S7		α and β alloys		1250	375	S7
	S8		β alloys		1400	410	S8
H		**Hard materials**				
	H1	Hardened steel		HT		50 HRC	H1
	H2			HT		55 HRC	H2
	H3			HT		60 HRC	H3
	H4	Hardened cast iron		HT		55 HRC	H4

ISO Metric thread DIN-13

HSSE PM

HL



MASTERTAP

	B-HL	B-IKR-HL	C-R45-HL	C-R45-IK-HL	E-R45-HL	E-R45-IK-HL
						
Material groups	P 1÷14 M 1÷3 K 1÷6 N 1÷10 S 1÷3 6	P 1÷14 M 1÷3 K 1÷6 N 1÷10 S 1÷3 6	P 1÷8 13÷14 10÷11 M 1÷3 K 1÷6 N 1÷10 S 1÷3 6	P 1÷8 13÷14 10÷11 M 1÷3 K 1÷6 N 1÷10 S 1÷3 6	P 1÷8 13÷14 10÷11 M 1÷3 K 1÷6 N 1÷10 S 1÷3 6	P 1÷8 13÷14 10÷11 M 1÷3 K 1÷6 N 1÷10 S 1÷3 6
Hole type	 < 3d	 < 3d	 < 2,5d	 < 2,5d	 < 2,5d	 < 2,5d
Coating	HL	HL	HL	HL	HL	HL
Chamfer	B / 4-5P	B / 4-5P	C / 2-3P	C / 2-3P	E / 1,5-2P	E / 1,5-2P
Tolerance	6HX	6HX	6HX	6HX	6HX	6HX

M

M Ød1	P	l1	l2	l3	Ød2	a	d	INDEX	C4-118M01	C4-118M61	C4-528M01	C4-528M51	C4-718M01	C4-718M51
DIN 371														
M 2	0,4	45	8	12	2,8	2,1	1,6	0020	●		●			
M 2,5	0,45	50	5	14	2,8	2,1	2,05	0025	●		●			
M 2,6	0,45	50	5	14	2,8	2,1	2,1	0026	●		●			
M 3	0,5	56	5	18	3,5	2,7	2,5	0030	●		●			
M 4	0,7	63	7	21	4,5	3,4	3,3	0040	●		●			
M 5	0,8	70	8	25	6	4,9	4,2	0050	●	●	●	●	●	●
M 6	1	80	10	30	6	4,9	5	0060	●	●	●	●	●	●
M 8	1,25	90	13	35	8	6,2	6,8	0080	●	●	●	●	●	●
M 10	1,5	100	15	39	10	8	8,5	0100	●	●	●	●	●	●
DIN 376									D4-118M01	D4-118M61	D4-528M01	D4-528M51	D4-718M01	D4-718M51
M 12	1,75	110	18		9	7	10,2	0120	●	●	●	●	●	●
M 14	2	110	20		11	9	12	0140	●	●	●	●	●	●
M 16	2	110	20		12	9	14	0160	●	●	●	●	●	●

MF

MF Ød1	P	l1	l2	Ød2	a	d	INDEX	D4-118M01	D4-118M61	D4-528M01	D4-528M51	D4-718M01	D4-718M51
DIN 374													
M 8 x 1	1	90	10	6	4,9	7,0	0083	●	○	●	○	●	○
M 10 x 1	1	90	10	7	5,5	9,0	0103	●	○	●	○	●	○
M 10 x 1,25	1,25	100	15	7	5,5	8,8	0104	●	○	●	○	●	○
M 12 x 1,5	1,5	100	15	9	7	10,5	0125	●	○	●	○	●	○
M 14 x 1,5	1,5	100	15	11	9	12,5	0145	●	○	●	○	●	○
M 16 x 1,5	1,5	100	15	12	9	14,5	0165	●	○	●	○	●	○

Vc (m/min)

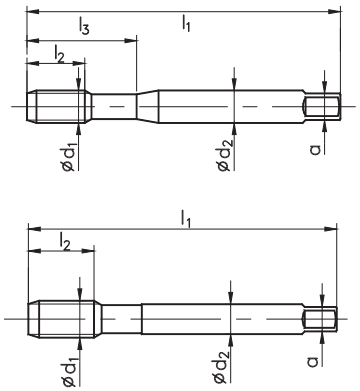
P	Rm < 1200	10-40	20-50	10-40	20-50	10-40	20-50
	Rm < 1400	5-15	5-15				
M		5-15	5-25	5-15	5-25	5-15	5-25
K		10-30	10-50	10-30	10-50	10-30	10-50
N		10-30	10-50	10-30	10-30	10-30	10-50
S	Rm < 1200	1-8	1-8	1-8	1-8	1-8	1-8

Example of order
C4-118M01-0080
Tap MasterTAP M8-6HX DIN-371 B HSSE-PM HL

ISO Metric thread DIN-13

HSSE

TN



	800X			800	
	C-TN	B-TN	C-R40-TN	B	C
					
Material groups	P 1÷7 10 13÷14; M 1÷3; K 1÷5; N 3÷5 7÷8	P 1÷7 10 13÷14; M 1÷3; K 1÷5; N 3÷5 7÷8	P 1÷7 10 13÷14; M 1÷3; K 1÷5; N 3÷5 7÷8	P 1÷4 6 10	P 1÷4 6 10
Hole type	 < 1,5d	 < 3d	 < 2,5d	 < 3d	 < 2,5d
Coating	TN	TN	TN	-	-
Chamfer	C / 2-3P	B / 4-5P	C / 2-3P	B / 4-5P	C / 2-3P
Tolerance	ISO2(6H)	ISO2(6H)	ISO2(6H)	ISO2(6H)	ISO2(6H)

M

M Ød1	P	l1	l2	l2 R40	l3	Ød2	a	d	INDEX	C2-123X01	C2-113X01	C2-513X01	C2-111101	C2-511101
DIN 371														
M 2	0,4	45	8	8	12	2,8	2,1	1,6	0020*				C4-111101 ●	C4-511101 ●
M 2,5	0,45	50	9	5	14	2,8	2,1	2,05	0025*				C4-111101 ●	C4-511101 ●
M 2,6	0,45	50	9	5	14	2,8	2,1	2,1	0026*				C4-111101 ●	C4-511101 ●
M 3	0,5	56	11	5	18	3,5	2,7	2,5	0030	●	●	●	●	●
M 4	0,7	63	13	7	21	4,5	3,4	3,3	0040	●	●	●	●	●
M 5	0,8	70	15	8	25	6	4,9	4,2	0050	●	●	●	●	●
M 6	1	80	17	10	30	6	4,9	5	0060	●	●	●	●	●
M 8	1,25	90	20	13	35	8	6,2	6,8	0080	●	●	●	●	●
M 10	1,5	100	20	15	39	10	8	8,5	0100	●	●	●	●	●
DIN 376										D2-123X01	D2-113X01	D2-513X01	D2-111101	D2-511101
M 12	1,75	110	29	18		9	7	10,2	0120	●	●	●	●	●
M 14	2	110	30	20		11	9	12	0140	●	●	●	●	●
M 16	2	110	32	20		12	9	14	0160	●	●	●	●	●

MF

MF Ød1	P	l1	l2	l2 R40	Ød2	a	d	INDEX	D2-123X01	D2-113X01	D2-513X01	D2-111101	D2-511101
DIN 374													
M 8 x 1	1	90	20	10	6	4,9	7,0	0083	●	●	●	●	●
M 10 x 1	1	90	20	10	7	5,5	9,0	0103	●	●	●	●	●
M 10 x 1,25	1,25	100	20	15	7	5,5	8,8	0104	●	●	●	●	●
M 12 x 1,5	1,5	100	20	15	9	7	10,5	0125	●	●	●	●	●
M 14 x 1,5	1,5	100	20	15	11	9	12,5	0145	●	●	●	●	●
M 16 x 1,5	1,5	100	20	15	12	9	14,5	0165	●	●	●	●	●

Vc (m/min)

P	Rm < 800	10-35	10-35	10-35	5-20	5-20
	Rm < 1000	5-20	5-20	5-20		
M		5-15	5-15	5-15		
K		5-15	5-15	5-15		
N		10-30	10-30	10-30		
S						

Example of order

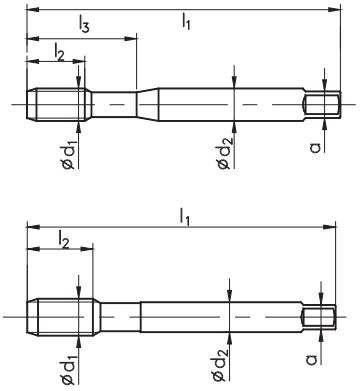
C2-123X01-0080
Tap 800X M8-6H DIN-371 C HSSE TN

* - HSSE-PM material

ISO Metric thread DIN-13

HSSE

HL



INOX

	B-HL	C-R40-HL	B	C-R40
				
Material groups	P 13÷14 M 1÷3	P 13÷14 M 1÷3	P 13÷14 M 1÷3	P 13÷14 M 1÷3
Hole type	 <3d	 <2,5d	 <3d	 <2,5d
Coating	HL	HL	-	-
Chamfer	B / 4-5P	C / 2-3P	B / 4-5P	C / 2-3P
Tolerance	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)

M

M Ød1	P	l1	l2	l2 R40	l3	Ød2	a	d	INDEX	C2-118801	C2-518801	C2-111801	C2-511801
DIN 371													
M 2	0,4	45	8	8	12	2,8	2,1	1,6	0020*	C4-118801 ●	C4-518801 ●	C4-111801 ●	C4-511801 ●
M 2,5	0,45	50	9	5	14	2,8	2,1	2,05	0025*	C4-118801 ●	C4-518801 ●	C4-111801 ●	C4-511801 ●
M 2,6	0,45	50	9	5	14	2,8	2,1	2,1	0026*	C4-118801 ●	C4-518801 ●	C4-111801 ●	C4-511801 ●
M 3	0,5	56	10	5	18	3,5	2,7	2,5	0030	●	●	●	●
M 4	0,7	63	12	7	21	4,5	3,4	3,3	0040	●	●	●	●
M 5	0,8	70	14	8	25	6	4,9	4,2	0050	●	●	●	●
M 6	1	80	18	10	30	6	4,9	5	0060	●	●	●	●
M 8	1,25	90	20	13	35	8	6,2	6,8	0080	●	●	●	●
M 10	1,5	100	20	15	39	10	8	8,5	0100	●	●	●	●
DIN 376										D2-118801	D2-518801	D2-111801	D2-511801
M 12	1,75	110	29	18		9	7	10,2	0120	●	●	●	●
M 14	2	110	30	18		11	9	12	0140	●	●	●	●
M 16	2	110	32	20		12	9	14	0160	●	●	●	●

MF

MF Ød1	P	l1	l2	l2 R40	Ød2	a	d	INDEX	D2-118801	D2-518801	D2-111801	D2-511801
DIN 374												
M 8 x 1	1	90	20	10	6	4,9	7,0	0083	●	●	●	●
M 10 x 1	1	90	20	10	7	5,5	9,0	0103	●	●	●	●
M 10 x 1,25	1,25	100	20	15	7	5,5	8,8	0104	●	●	●	●
M 12 x 1,5	1,5	100	20	15	9	7	10,5	0125	●	●	●	●
M 14 x 1,5	1,5	100	20	15	11	9	12,5	0145	●	●	●	●
M 16 x 1,5	1,5	100	20	15	12	9	16,5	0165	●	●	●	●

Vc (m/min)

P	5-15	5-15	5-10	5-10
M	5-20	5-20	5-10	5-10
K				
N				
S				

Example of order

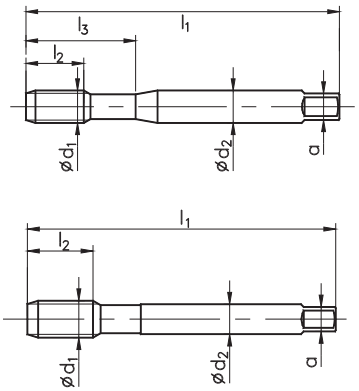
C2-118801-0080
Tap INOX M8-6H DIN-371 B HSSE HL

* - HSSE-PM material

ISO Metric thread DIN-13

HSSE PM

TN



	FAN-I200		I400		
	B-TC	C-R40-TC	C-TC	B-TC	C-R15-TC
					
Material groups	P 5 7÷8 11 13÷14 M 2÷3 K 5 N 3÷5	P 5 7÷8 11 13÷14 M 2÷3 K 5 N 3÷5	P 8÷9 12 M 3 K 1 6	P 8÷9 12 M 3 K 1 6	P 8÷9 12 M 3 K 1 6
Hole type	<3d	<2,5d	<1,5d	<2,5d	<1,5d
Coating	TC	TC	TC	TC	TC
Chamfer	B / 4-5P	C / 2-3P	C / 2-3P	B / 4-5P	C / 2-3P
Tolerance	ISO2 (6H)	ISO2 (6H)	6HX	6HX	6HX

M

M Ød1	P	l1	l2	l2 R40	l3	Ød2	a	d		C4-115001	C4-565001	C4-125901	C4-115901	C4-505901
DIN 371														
M 2	0,4	45	8	8	12	2,8	2,1	1,6	0020	C4-118001 ●	C4-568001 ●			
M 2,5	0,45	50	9	5	14	2,8	2,1	2,05	0025	C4-118001 ●	C4-568001 ●			
M 2,6	0,45	50	9	5	14	2,8	2,1	2,1	0026	C4-118001 ●	C4-568001 ●			
M 3	0,5	56	10	5	18	3,5	2,7	2,5	0030	●	●	●	●	●
M 4	0,7	63	12	7	21	4,5	3,4	3,3	0040	●	●	●	●	●
M 5	0,8	70	14	8	25	6	4,9	4,2	0050	●	●	●	●	●
M 6	1	80	18	10	30	6	4,9	5	0060	●	●	●	●	●
M 8	1,25	90	20	13	35	8	6,2	6,8	0080	●	●	●	●	●
M 10	1,5	100	20	15	39	10	8	8,5	0100	●	●	●	●	●
DIN 376										D4-115001	D4-565001	D4-125901	D4-115901	D4-505901
M 12	1,75	110	29	18		9	7	10,2	0120	●	●	●	●	●
M 14	2	110	30	18		11	9	12	0140	●	●	●	●	●
M 16	2	110	32	20		12	9	14	0160	●	●	●	●	●

MF

MF Ød1	P	l1	l2	l2 R40	Ød2	a	d	INDEX	D4-115001	D4-565001	D4-125901	D4-115901	D4-505901
DIN 374													
M 8 x 1	1	90	20	10	6	4,9	7,0	0083	●	●	●	●	●
M 10 x 1	1	90	20	10	7	5,5	9,0	0103	●	●	●	●	●
M 10 x 1,25	1,25	100	20	15	7	5,5	8,8	0104					
M 12 x 1,5	1,5	100	20	15	9	7	10,5	0125	●	●	●	●	●
M 14 x 1,5	1,5	100	20	15	11	9	12,5	0145	●	●	●	●	●
M 16 x 1,5	1,5	100	20	15	12	9	16,5	0165	●	●	●	●	●

Vc (m/min)

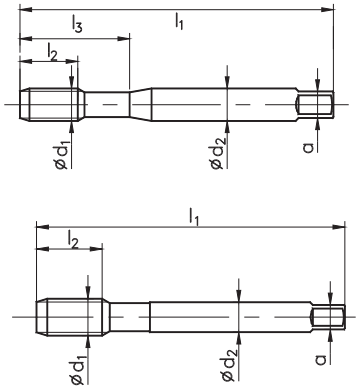
P	Rm < 1200	5-20	5-20	5-20	5-20	5-20
	Rm < 1400			1-5	1-5	1-5
M		5-10	5-10			
K		10-25	10-25	10-20	10-20	10-20
N		10-30	10-30			
S						

Example of order
C4-115001-0060
Tap FAN M6-6H DIN-371 B HSSE-PM TC

ISO Metric thread DIN-13

HSSE PM

TC



	GG				GAL	
	C-TC	C-IK-TC	E-TC	E-IKR-TC	C-R15-TC	E-R15-IK-TC
						
Material groups	K 1÷6	K 1÷6	K 1÷6	K 1÷6	N 3÷5	N 3÷5
Hole type	<1,5d	<2d	<2d	<2d	<2d	<2d
Coating	TC	TC	TC	TC	TC	TC
Chamfer	C / 2-3P	C / 2-3P	E / 1,5-2P	E / 1,5-2P	C / 2-3P	E / 1,5-2P
Tolerance	6HX	6HX	6HX	6HX	6HX	6HX

M

M Ød1	P	l1	l2	l3	Ød2	a	d	INDEX	C2-125501	C4-125551	C2-145501	C4-145561	C2-505601	C4-655651
DIN 371														
M 2	0,4	45	8	12	2,8	2,1	1,6	0020						
M 2,5	0,45	50	9	14	2,8	2,1	2,05	0025						
M 2,6	0,45	50	9	14	2,8	2,1	2,1	0026						
M 3	0,5	56	10	18	3,5	2,7	2,5	0030	●		●		●	
M 4	0,7	63	12	21	4,5	3,4	3,3	0040	●		●		●	
M 5	0,8	70	14	25	6	4,9	4,2	0050	●	●	●	●	●	●
M 6	1	80	18	30	6	4,9	5	0060	●	●	●	●	●	●
M 8	1,25	90	20	35	8	6,2	6,8	0080	●	●	●	●	●	●
M 10	1,5	100	20	39	10	8	8,5	0100	●	●	●	●	●	●
DIN 376									D2-125501	D4-125551	D2-145501	D4-145551	D2-505601	D4-655651
M 12	1,75	110	29		9	7	10,2	0120	●	●	●	●	●	●
M 14	2	110	30		11	9	12	0140	●	●	●	●	●	●
M 16	2	110	32		12	9	14	0160	●	●	●	●	●	●

MF

MF Ød1	P	l1	l2	Ød2	a	d	INDEX	D2-125501	D4-125551	D2-145501	D4-145551	D2-505601	D4-655651
DIN 374													
M 8 x 1	1	90	20	6	4,9	7,0	0083	●	●	●	●	●	●
M 10 x 1	1	90	20	7	5,5	9,0	0103	●	●	●	●	●	●
M 10 x 1,25	1,25	100	20	7	5,5	8,8	0104	●		●		●	
M 12 x 1,5	1,5	100	20	7	7	10,5	0125	●	●	●	●	●	●
M 14 x 1,5	1,5	100	20	8	9	12,5	0145	●		●		●	
M 16 x 1,5	1,5	100	20	9	9	16,5	0165	●	●	●	●	●	●

Vc (m/min)

P						
M						
K	20-60	20-60	20-60	20-60		
N					10-30	10-30
S						

Example of order
C2-125501-0030
Tap GG M3-6HX DIN-371 C HSSE-PM TC

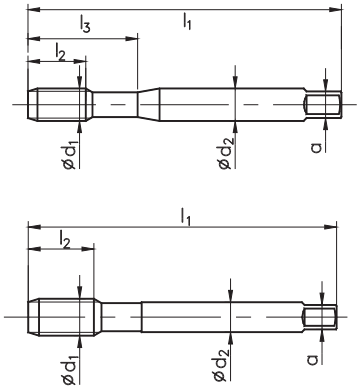
ISO Metric thread DIN-13

WGN

SR TN

HSSE PM

TN



Material groups	P 1÷7, 10 / M 1÷2 / N 1÷3, 7÷8
Hole type	<3d
Coating	TN
Chamfer	C / 2-3P
Tolerance	6HX

M

M Ød1	P	l1	l2	l3	Ød2	a	d	INDEX	C4-923005
DIN 371									
M 2	0,4	45	8	12	2,8	2,1	1,83	0020	●
M 2,5	0,45	50	9	14	2,8	2,1	2,3	0025	●
M 2,6	0,45	50	9	14	2,8	2,1	2,4	0026	●
M 3	0,5	56	10	18	3,5	2,7	2,8	0030	●
M 4	0,7	63	7	21	4,5	3,4	3,7	0040	●
M 5	0,8	70	8	25	6	4,9	4,65	0050	●
M 6	1	80	10	30	6	4,9	5,6	0060	●
M 8	1,25	90	13	35	8	6,2	7,45	0080	●
M 10	1,5	100	15	39	10	8	9,35	0100	●
DIN 376									D2-923105
M 12	1,75	110	18		9	7	11,25	0120	●
M 14	2	110	20		11	9	13	0140	●
M 16	2	110	20		12	9	15	0160	●

MF

MF Ød1	P	l1	l2	Ød2	a	d	INDEX	D2-923105
DIN 374								
M 8 x 1	1	90	10	6	4,9	7,6	0083	●
M 10 x 1	1	90	10	7	5,5	9,6	0103	●
M 10 x 1,25	1,25	100	15	7	5,5	9,45	0104	●
M 12 x 1,5	1,5	100	15	9	7	11,35	0125	●
M 14 x 1,5	1,5	100	15	11	9	13,35	0145	●
M 16 x 1,5	1,5	100	15	12	9	15,35	0165	●

Vc (m/min)

P	Rm < 1000	10-30
M		10-25
K		
N		20-40
S		

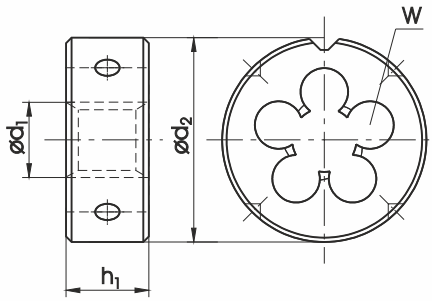
Example of order
C4-923005-0060
Forming tap WGN M6-6HX DIN-371 C HSSE-PM TN

ISO Metric coarse thread DIN-13

HSS

HSSE

OX



	800 SPN	INOX	INOX+
			
Material groups	P 1÷3 N 3-4	P 1÷5 13÷14 M 1÷2 N 5 7÷9	P 1÷5 13÷14 M 1÷2 N 5 7÷9
Execution	HSS	HSSE	HSSE
Coating		OX	OX
Chamfer	1,75P	2,25P	2,25P
Tolerance	6g	6g	6g

M

M Ød1	P	Ød2 x h1	W	ød	INDEX	N1-141001	N2-188001	N2-182001
M 2	0,4	16 x 5	3	1,95	0020	●	●	
M 2,5	0,45	16 x 5	3	2,42	0025	●	●	
M 3	0,5	20 x 5	3 (4)*	2,92	0030	●	●	●
M 4	0,7	20 x 5	3 (4)*	3,90	0040	●	●	●
M 5	0,8	20 x 7	3 (4)*	4,90	0050	●	●	●
M 6	1	20 x 7	4	5,88	0060	●	●	●
M 8	1,25	25 x 9	4 (5)*	7,86	0080	●	●	●
M 10	1,5	30 x 11	4 (5)*	9,85	0100	●	●	●
M 12	1,75	38 x 14	4 (5)*	11,83	0120	●	●	●
M 14	2	38 x 14	4	13,82	0140	●	●	●
M 16	2	45 x 18	5	15,82	0160	●	●	●

MF

MF Ød1	P	Ød2 x h1	W	ød	INDEX	N1-141001	N2-188001	N2-182001
M 8 x 1	1	25 x 9	4 (5)*	7,88	0083	●	●	●
M 10 x 1	1	30 x 11	5	9,88	0103	●	●	●
M 10 x 1,25	1,25	30 x 11	4 (5)*	9,86	0104	●	●	●
M 12 x 1,5	1,5	38 x 10	4 (5)*	11,85	0125	●	●	●
M 14 x 1,5	1,5	38 x 10	5	13,85	0145	●	●	●
M 16 x 1,5	1,5	45 x 14	5	15,85	0165	●	●	●

* - for INOX+

Vc (m/min)

P	3-6	3-6	1-6
M		2-6	2-6
K			
N	10-20	5-15	5-15
S			

Example of order

N2-188001-0030
DIN-EN 22 568 M3 6g HSSE INOX OX

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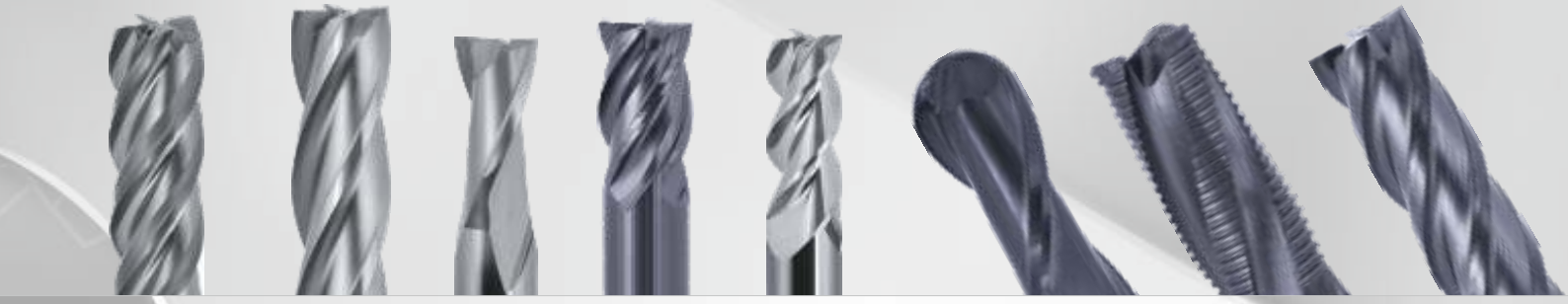
MILLING **TOOLS**



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Ciechanów, II 2017 r.

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