YG TAP STEEL

TE422 SERIES

M ISO metric coarse threads DIN 13

Metrisches ISO-Gewinde DIN 13
ISO MÉTRIQUE DIN13
ISO Metrico passo grosso DIN 13

Machine taps
Maschinengewindebohrer

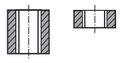
▶ Recommended for tapping abrasive materials due to nitriding, not suitable for tapping tough or high strength materials.

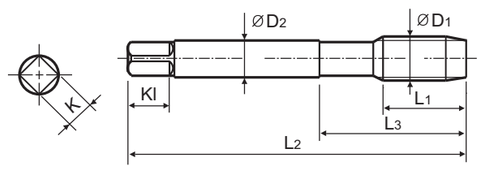
▶ Empfohlen für das Gewindeschneiden verschleißfordernder Werkstoffe wegen der Nitrierung; nicht geeignet für das Gewinden zaher oder hochfester Werkstoffe.

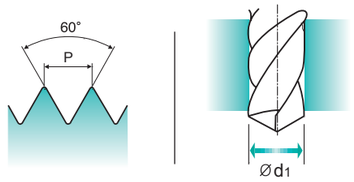
DIN 371

DIN 376

Hole type
3.0×D







Material groups **VG** | HSS-E | DIN 371/376 | 6H | 60° | B | Nitride |  p.B197

Recommended Toolholder

	Plain Shank	Page
◎	TAPPING ER CHUCK	D215 -220
◎	TAPPING CHUCK	D221 -228
	ONE STEP TAPPING CHUCK	D211 -213

Unit : mm

SIZE	Pitch	EDP No.	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1	P	Ni	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2 × 0.4		TE422136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TE422156	8	45	13	2.8	2.1	5	3	1.75
*M2.3 × 0.4		TE422196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TE422176	9	50	15	2.8	2.1	5	3	2.05
*M2.6 × 0.45		TE422496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TE422206	11	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TE422226	12	56	20	4	3	6	3	2.9
M4 × 0.7		TE422246	13	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TE422266	14	70	25	6	4.9	8	3	3.7
M5 × 0.8		TE422286	15	70	25	6	4.9	8	3	4.2
M6 × 1		TE422316	17	80	30	6	4.9	8	3	5
M7 × 1		TE422346	17	80	30	7	5.5	8	3	6
M8 × 1.25		TE422366	20	90	35	8	6.2	9	3	6.8
M9 × 1.25		TE422396	20	90	35	9	7	10	3	7.8
M10 × 1.5		TE422426	22	100	39	10	8	11	3	8.5
M11 × 1.5		TE422466	22	100	40	8	6.2	9	3	9.5
M12 × 1.75		TE422506	24	110	44	9	7	10	3	10.2
M14 × 2		TE422546	26	110	44	11	9	12	3	12
M16 × 2		TE422606	27	110	44	12	9	12	3	14
M18 × 2.5		TE422656	30	125	50	14	11	14	4	15.5
M20 × 2.5		TE422706	32	140	54	16	12	15	4	17.5
M22 × 2.5		TE422746	32	140	54	18	14.5	17	4	19.5
M24 × 3		TE422786	34	160	60	18	14.5	17	4	21
M27 × 3		TE422866	36	160	60	20	16	19	4	24
M30 × 3.5		TE422946	40	180	70	22	18	21	4	26.5

▶DIN 371(M2~M10) and DIN 376(M11~M30)
▶* DIN profile not ISO

◎ : Excellent ○ : Good

ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended		○	○	○	◎	○	○	◎	◎	○		○	○	○						

ISO	N										S							H		
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended											○					○					

YG TAP STEEL

TY422 SERIES

M ISO metric coarse threads DIN 13

Metrisches ISO-Gewinde DIN 13
ISO MÉTRIQUE DIN13
ISO Metrico passo grosso DIN 13

Machine taps
Maschinengewindebohrer

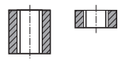
▶ Suitable for through hole in more cutting speed than other taps due to thick web.

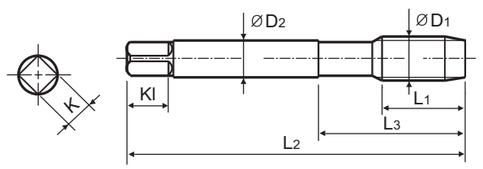
▶ Geeignet für Durchgangslöcher in höherer Schnittgeschwindigkeit als bei anderen Gewindebohrern dank größerer Kerndicke.

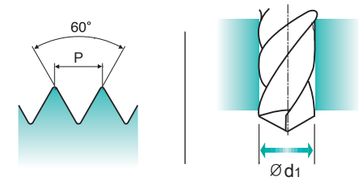
DIN 371

DIN 376

Hole type
3.0×D







Material groups **VG** | HSS-E | DIN 371/376 | 6H | 60° | B | TiAlN |  p.B197

Recommended Toolholder

	Plain Shank	Page
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◎	TAPPING CHUCK	D221 -228
	ONE STEP TAPPING CHUCK	D211 -213

Unit : mm

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HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended		○	○	○	◎	○	○	◎	◎	○		○	○	○						

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Recommended											○					○					