



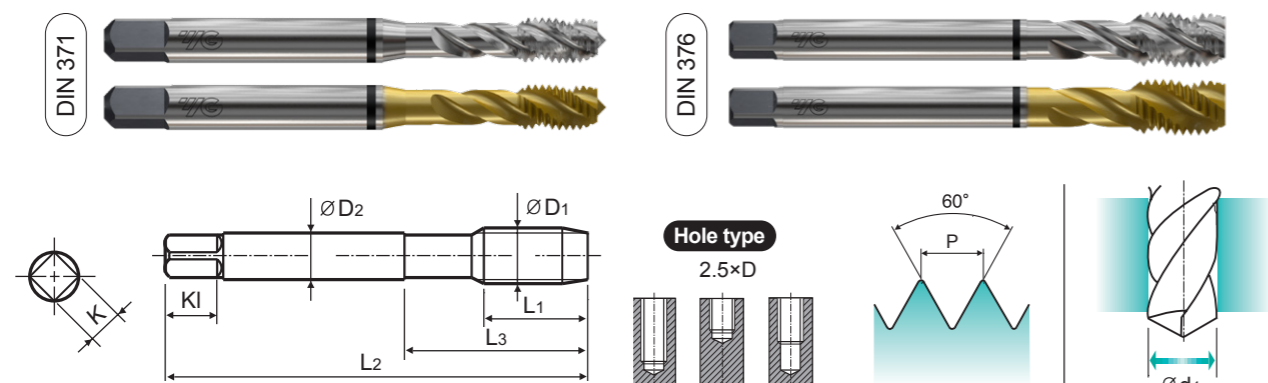
UNC Unified coarse threads

Unified Grobgewinde
 UNC
 Unificato passo fine

Machine taps
Maschinengewindebohrer

► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeitendank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Material groups: **MU** HSS-E DIN 371/376 3B 60° C R40 Bright TiN p.B124

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

Unit : mm

SIZE	TPI	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
ØD1		L1	L2	L3	ØD2	K	KI	Z	Ød1		
#4	- 40 UNC	TCE01162	TDE01162	6	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TCE01202	TDE01202	7	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TCE01242	TDE01242	7	56	20	4	3	6	3	2.85
#8	- 32 UNC	TCE01282	TDE01282	8	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TCE01322	TDE01322	10	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TCE01362	TDE01362	10	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TCE01402	TDE01402	13	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TCE01442	TDE01442	14	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TCE01482	TDE01482	16	100	39	9	7	10	3	8
7/16	- 14 UNC	TCE01522	TDE01522	17	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TCE01562	TDE01562	20	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TCE01602	TDE01602	20	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TCE01642	TDE01642	22	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TCE01702	TDE01702	25	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TCE01742	TDE01742	27	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TCE01782	TDE01782	30	160	60	20	16	19	4	22.25

►DIN 371(#4~3/8) and DIN 376(7/16~1)
 * The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

© : Excellent ○ : Good

ISO	P										M				K					
	Non-alloy steel					Low alloy steel					High alloyed steel, and tool steel		Stainless steel		Grey cast iron	Nodular cast iron		Malleable cast iron		
Material Description	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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	30	10	29	32	38	15	35	15	23	10	10	26	3	25	21	21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



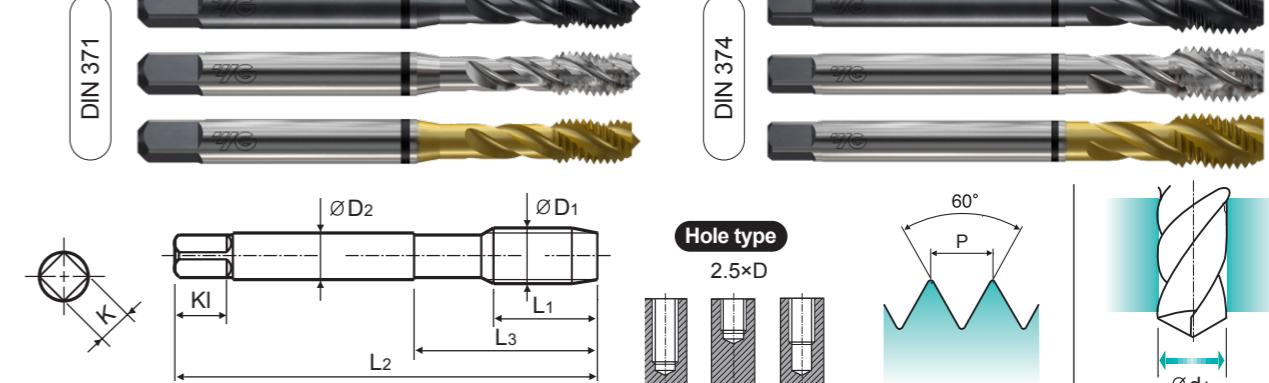
UNF Unified fine threads

Unified Grobgewinde
 UNF
 Unificato passo fine

Machine taps
Maschinengewindebohrer

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

Unit : mm

SIZE	TPI	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1		L1	L2	L3	ØD2	K	KI	Z	Ød1			
#4	-48UNF	TB864182	TC864182	TD864182	6	56	18	3.5	2.7	6	3	2.4
#5	-44UNF	TB864222	TC864222	TD864222	7	56	18	3.5	2.7	6	3	2.7
#6	-40UNF	TB864262	TC864262	TD864262	7	56	20	4	3	6	3	3
#8	-36UNF	TB864302	TC864302	TD864302	8	63	21	4.5	3.4	6	3	3.5
#10	-32UNF	TB864342	TC864342	TD864342	10	70	25	6	4.9	8	3	4.1
#12	-28UNF	TB864382	TC864382	TD864382	10	80	30	6	4.9	8	3	4.7
1/4	-28UNF	TB864422	TC864422	TD864422	10	80	30	7	5.5	8	3	5.5
5/16	-24UNF	TB864462	TC864462	TD864462	10	90	35	8	6.2	9	3	6.9
3/8	-24UNF	TB864502	TC864502	TD864502	10	100	39	9	7	10	3	8.5
7/16	-20UNF	TB864542	TC864542	TD864542	13	100	40	8	6.2	9	3	9.9
1/2	-20UNF	TB864582	TC864582	TD864582	13	100	40	9	7	10	3	11.5
9/16	-18UNF	TB864622	TC864622	TD864622	15	100	40	11	9	12	3	12.9
5/8	-18UNF	TB864662	TC864662	TD864662	15	100	40	12	9	12	3	14.5
3/4	-16UNF	TB864722	TC864722	TD864722	17	110	44	14	11	14	4	17.5
7/8	-14UNF	TB864762	TC864762	TD864762	17	125	50	18	14.5	17	4	20.5
1	-12UNF	TB864802	TC864802	TD864802	20	140	54	20	16	19	4	23.25

►DIN 371(#4~3/8) and DIN 374(7/16~1)
 * The other coating(TiCN or TiAlN) is available on your request.

© : Excellent ○ : Good

ISO	P										M				K					
	Non-alloy steel					Low alloy steel					High alloyed steel, and tool steel		Stainless steel		Grey cast iron	Nodular cast iron		Malleable cast iron		
Material Description	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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HRc	13	25	28	32	30	10	29	32	38	15	35	15	23	10	10	26	3	25	21	21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○