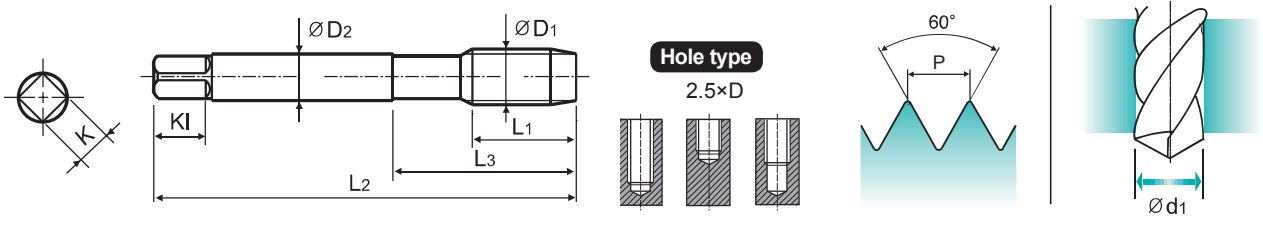
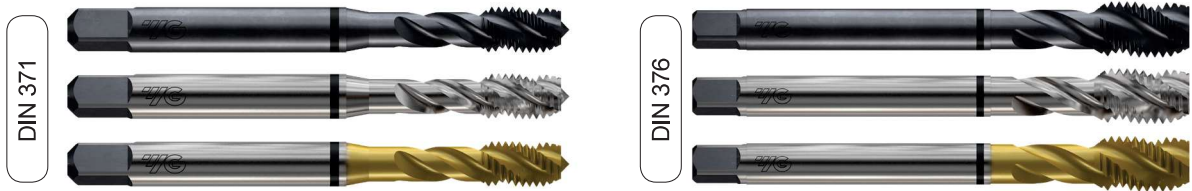


UNC Unified coarse threads

Unified Grobgewinde
 UNC
 Unificato passo fine

► 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 Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Material groups **MU** HSS-E DIN 371/376 2B 60° C Vap Bright TiN R40

Machine taps
 Maschinengewindebohrer

Recommended Cutting Page : P.114

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								
#4 - 40 UNC		TB824162	TC824162	TD824162	6	56	18	3.5	2.7	6	3	2.3
#5 - 40 UNC		TB824202	TC824202	TD824202	7	56	18	3.5	2.7	6	3	2.6
#6 - 32 UNC		TB824242	TC824242	TD824242	7	56	20	4	3	6	3	2.85
#8 - 32 UNC		TB824282	TC824282	TD824282	8	63	21	4.5	3.4	6	3	3.5
#10 - 24 UNC		TB824322	TC824322	TD824322	10	70	25	6	4.9	8	3	3.9
#12 - 24 UNC		TB824362	TC824362	TD824362	10	80	30	6	4.9	8	3	4.5
1/4 - 20 UNC		TB824402	TC824402	TD824402	13	80	30	7	5.5	8	3	5.2
5/16 - 18 UNC		TB824442	TC824442	TD824442	14	90	35	8	6.2	9	3	6.6
3/8 - 16 UNC		TB824482	TC824482	TD824482	16	100	39	9	7	10	3	8
7/16 - 14 UNC		TB824522	TC824522	TD824522	17	100	40	8	6.2	9	3	9.4
1/2 - 13 UNC		TB824562	TC824562	TD824562	20	110	44	9	7	10	3	10.75
9/16 - 12 UNC		TB824602	TC824602	TD824602	20	110	44	11	9	12	3	12.25
5/8 - 11 UNC		TB824642	TC824642	TD824642	22	110	44	12	9	12	3	13.5
3/4 - 10 UNC		TB824702	TC824702	TD824702	25	125	50	14	11	14	4	16.5
7/8 - 9 UNC		TB824742	TC824742	TD824742	27	140	54	18	14.5	17	4	19.5
1 - 8 UNC		TB824782	TC824782	TD824782	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) is available on your request.

◎ : 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						
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	200	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	400Rm	1050Rm	550	630	400	550
Recommended			◎			◎	◎	◎													



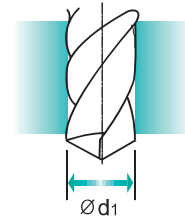
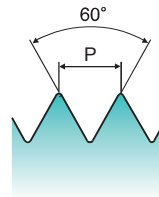
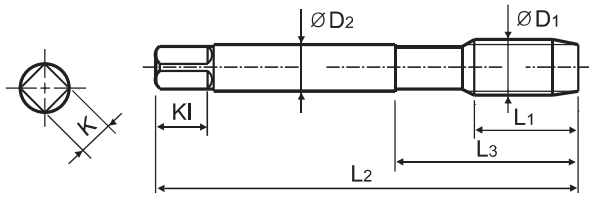
UNF

Unified fine threads

- Unified Feingwinde
- UNF
- Unificato passo fine

► 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.



Machine taps
Maschinengewindebohrer

Recommended Cutting Page : P.225

Unit : mm

SIZE	TPI	EDP No.	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1		Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48UNF	TB274182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44UNF	TB274222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40UNF	TB274262	12	56	20	4	3	6	3	3
#8	- 36UNF	TB274302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32UNF	TB274342	15	70	25	6	4.9	8	3	4.1
#12	- 28UNF	TB274382	16	80	30	6	4.9	8	3	4.7
1/4	- 28UNF	TB274422	17	80	30	7	5.5	8	3	5.5
5/16	- 24UNF	TB274462	17	90	35	8	6.2	9	3	6.9
3/8	- 24UNF	TB274502	18	100	39	9	7	10	3	8.5
7/16	- 20UNF	TB274542	22	100	40	8	6.2	9	3	9.9
1/2	- 20UNF	TB274582	22	100	40	9	7	10	3	11.5
9/16	- 18UNF	TB274622	22	100	40	11	9	12	3	12.9
5/8	- 18UNF	TB274662	22	100	40	12	9	12	3	14.5
3/4	- 16UNF	TB274722	25	110	44	14	11	14	4	17.5
7/8	- 14UNF	TB274762	26	125	50	18	14.5	17	4	20.5
1	- 12UNF	TB274802	28	140	54	18	14.5	17	4	23.25
1-1/8	- 12UNF	TB274842	30	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) and DIN 374(7/16~1-1/8)

◎ : Excellent ○ : Good

ISO Material Description	P					M				K										
	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel										
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 Material Description	N					S					H										
	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	400Rm	1050Rm	550	630	400	550
Recommended											○					○					