



Bright **TCJ01** SERIES  
TIN **TDJ01** SERIES

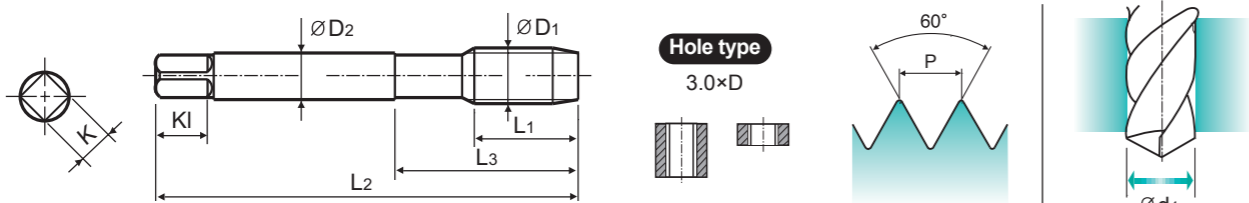
# UNC Unified coarse threads

Unified Grobgewinde  
 UNC  
 Unificato passo grosso

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° B Bright TiN p.B125

Recommended ToolHolder: Plain Shank 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								
#4	-40 UNC	TCJ01162	TDJ01162	11	56	18	3.5	2.7	6	3	2.3
#5	-40 UNC	TCJ01202	TDJ01202	11	56	18	3.5	2.7	6	3	2.6
#6	-32 UNC	TCJ01242	TDJ01242	12	56	20	4	3	6	3	2.85
#8	-32 UNC	TCJ01282	TDJ01282	13	63	21	4.5	3.4	6	3	3.5
#10	-24 UNC	TCJ01322	TDJ01322	15	70	25	6	4.9	8	3	3.9
#12	-24 UNC	TCJ01362	TDJ01362	16	80	30	6	4.9	8	3	4.5
1/4	-20 UNC	TCJ01402	TDJ01402	17	80	30	7	5.5	8	3	5.2
5/16	-18 UNC	TCJ01442	TDJ01442	20	90	35	8	6.2	9	3	6.6
3/8	-16 UNC	TCJ01482	TDJ01482	22	100	39	9	7	10	3	8
7/16	-14 UNC	TCJ01522	TDJ01522	22	100	40	8	6.2	9	3	9.4
1/2	-13 UNC	TCJ01562	TDJ01562	25	110	44	9	7	10	3	10.75
9/16	-12 UNC	TCJ01602	TDJ01602	26	110	44	11	9	12	3	12.25
5/8	-11 UNC	TCJ01642	TDJ01642	27	110	44	12	9	12	3	13.5
3/4	-10 UNC	TCJ01702	TDJ01702	30	125	50	14	11	14	4	16.5
7/8	-9 UNC	TCJ01742	TDJ01742	32	140	54	18	14.5	17	4	19.5
1	-8 UNC	TCJ01782	TDJ01782	36	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	32	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	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

ISO	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		
Material Description	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
HRc	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550	
Recommended			○			○	○	○														



Vap **TB874** SERIES  
Bright **TC874** SERIES  
TiN **TD874** SERIES

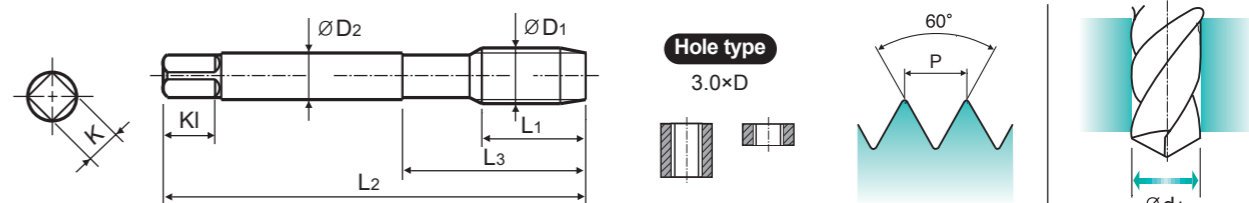
# UNF Unified fine threads

Unified Feingewinde  
 UNF  
 Unificato passo grosso

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 2B 60° B Vap Bright TiN p.B125

Recommended ToolHolder: Plain Shank 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								
#4	-48 UNF	TB874182	TC874182	TD874182	11	56	18	3.5	2.7	6	3	2.4
#5	-44 UNF	TB874222	TC874222	TD874222	11	56	18	3.5	2.7	6	3	2.7
#6	-40 UNF	TB874262	TC874262	TD874262	12	56	20	4	3	6	3	3
#8	-36 UNF	TB874302	TC874302	TD874302	13	63	21	4.5	3.4	6	3	3.5
#10	-32 UNF	TB874342	TC874342	TD874342	15	70	25	6	4.9	8	3	4.1
#12	-28 UNF	TB874382	TC874382	TD874382	16	80	30	6	4.9	8	3	4.7
1/4	-28 UNF	TB874422	TC874422	TD874422	17	80	30	7	5.5	8	3	5.5
5/16	-24 UNF	TB874462	TC874462	TD874462	17	90	35	8	6.2	9	3	6.9
3/8	-24 UNF	TB874502	TC874502	TD874502	18	100	39	9	7	10	3	8.5
7/16	-20 UNF	TB874542	TC874542	TD874542	22	100	40	8	6.2	9	3	9.9
1/2	-20 UNF	TB874582	TC874582	TD874582	22	100	40	9	7	10	3	11.5
9/16	-18 UNF	TB874622	TC874622	TD874622	22	100	40	11	9	12	3	12.9
5/8	-18 UNF	TB874662	TC874662	TD874662	22	100	40	12	9	12	3	14.5
3/4	-16 UNF	TB874722	TC874722	TD874722	25	110	44	14	11	14	4	17.5
7/8	-14 UNF	TB874762	TC874762	TD874762	26	125	50	18	14.5	17	4	20.5
1	-12 UNF	TB874802	TC874802	TD874802	28	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	
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	32	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	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

ISO	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		
Material Description	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
HRc	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550	
Recommended			○			○	○	○														