

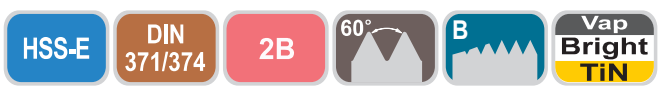
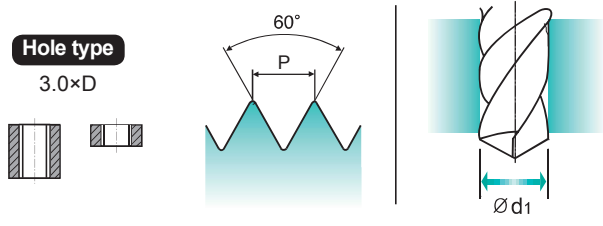
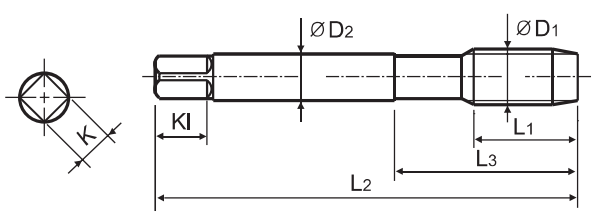
UNF

Unified fine threads

- Unified Feingewinde
- UNF
- Unificato passo grosso

► 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.



Machine taps
Maschinengewindebohrer

Recommended Cutting Page : P.116

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.

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																				
HRC																				
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																					
HRC																					
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550
Recommended			○			○	○	○													



COMBO TAPS

RECOMMENDED CUTTING CONDITIONS
EMPFOHLENE SCHNEIDKONDITIONEN

THREAD MILLS
SYNCHRO TAPS
COMBO TAPS
YG TAP GENERAL
YG TAP STEEL
YG TAP HARDENED
YG TAP INOX
YG TAP CAST IRON
YG TAP ALU
YG TAP Ti Ni
YG TAP FORMING
NUT TAPS
STI TAPS
PIPE TAPS
TECHNICAL DATA

TB744	TC814	TD814	TB814	TCJ05	TDJ05	TBJ05	TCJ06
TB754	TC854	TD854	TB854	TCJ09	TDJ09		
TQ744	TC834	TD834	TB834	TCJ01	TDJ01		
TQ754	TC874	TD874	TB874	TCJ02	TDJ02		

ISO	VDI 3323	Material Description	HB	HRC	Vc (m/min)								
P	1	Non-alloy steel	125			15-20	20-25	15-20	15-20	20-25	15-20	15-20	
	2		190	13	15-20	15-20	20-25	15-20	15-20	20-25	15-20	15-20	
	3		250	25		12-18	18-24	12-18	12-18	18-24	12-18	12-18	
	4		270	28	10-15	10-15	15-20	10-15	10-15	15-20	10-15	10-15	
	5		300	32		6-10	10-14	6-10	6-10	10-14	6-10	6-10	
	6	Low alloy steel	180	10	10-15	10-15	15-20	10-15	10-15	15-20	10-15	10-15	
	7		275	29	10-15	10-15	15-20	10-15	10-15	15-20	10-15	10-15	
	8		300	32		6-10	10-14	6-10	6-10	10-14	6-10	6-10	
	9		350	38		3-5	5-7	3-5	3-5	5-7	3-5	3-5	
	10		High alloyed steel, and tool steel	200	15		3-5	5-7	3-5	3-5	5-7	3-5	3-5
	11			325	35								
M	12	Stainless steel	200	15	7-10	7-10	10-15	7-10	7-10	10-15	7-10	7-10	
	13		240	23	5-8	5-8	8-11	5-8	5-8	8-11	5-8	5-8	
	14		180	10	4-6	4-6	6-8	4-6	4-6	6-8	4-6	4-6	
K	15	Grey cast iron	180	10		10-15	15-20	10-15	10-15	15-20	10-15	10-15	
	16		260	26		5-8	8-11	5-8	5-8	8-11	5-8	5-8	
	17	Nodular cast iron	160	3		10-15	15-20	10-15	10-15	15-20	10-15	10-15	
	18		250	25		5-8	8-11	5-8	5-8	8-11	5-8	5-8	
	19		130										
20	Malleable cast iron	230	21										
N	21	Aluminum-wrought alloy	60										
	22		100										
	23	Aluminum-cast, alloyed	75			15-20	20-25	15-20	15-20	20-25	15-20	15-20	
	24		90										
	25		130										
	26		110			25-35	35-40	25-35	25-35	35-40	25-35	25-35	
	27		90			8-12	12-17	8-12	8-12	12-17	8-12	8-12	
	28		100			15-20	15-20	20-25	15-20	15-20	20-25	15-20	15-20
	29		Non Metallic Materials										
	30												
S	31	Heat Resistant Super Alloys	200	15									
	32		280	30									
	33		250	25									
	34		350	38									
	35		320	34									
	36		400 Rm										
	37	1050 Rm											
H	38	Hardened steel	550	55									
	39		630	60									
	40	Chilled Cast Iron	400	42									
	41	Hardened Cast Iron	550	55									