



UNF

Unified fine threads

Unified Feingewinde
 UNF
 Unificato passo fine

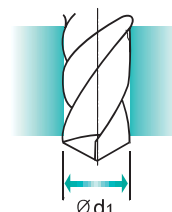
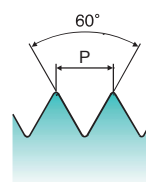
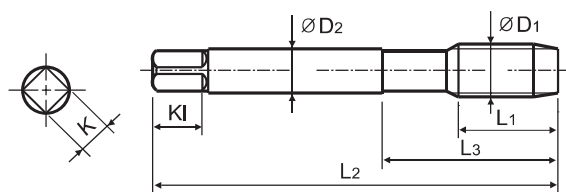
► Suitable for through hole in more cutting speed than other taps due to thick web.

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



Hole type

3.0×D



HSS-E

DIN 371/374

2B



Bright

Machine taps
Maschinengewindebohrer

Recommended Cutting Page : P.189

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		Bright	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48UNF	TC254182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44UNF	TC254222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40UNF	TC254262	12	56	20	4	3	6	3	3
#8	- 36UNF	TC254302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32UNF	TC254342	15	70	25	6	4.9	8	3	4.1
#12	- 28UNF	TC254382	16	80	30	6	4.9	8	3	4.7
1/4	- 28UNF	TC254422	17	80	30	7	5.5	8	3	5.5
5/16	- 24UNF	TC254462	17	90	35	8	6.2	9	3	6.9
3/8	- 24UNF	TC254502	18	100	39	9	7	10	3	8.5
7/16	- 20UNF	TC254542	22	100	40	8	6.2	9	3	9.9
1/2	- 20UNF	TC254582	22	100	40	9	7	10	3	11.5
9/16	- 18UNF	TC254622	22	100	40	11	9	12	3	12.9
5/8	- 18UNF	TC254662	22	100	40	12	9	12	3	14.5
3/4	- 16UNF	TC254722	25	110	44	14	11	14	4	17.5
7/8	- 14UNF	TC254762	26	125	50	18	14.5	17	4	20.5
1	- 12UNF	TC254802	28	140	54	18	14.5	17	4	23.25
1-1/8	- 12UNF	TC254842	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	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	Hardene 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											○											