COMBO TAP

Bright **TCE01** SERIES
TiN **TDE01** SERIES

UNC Unified coarse threads

- Unified Grobgewinde
- UNC
- Unificato passo grosso

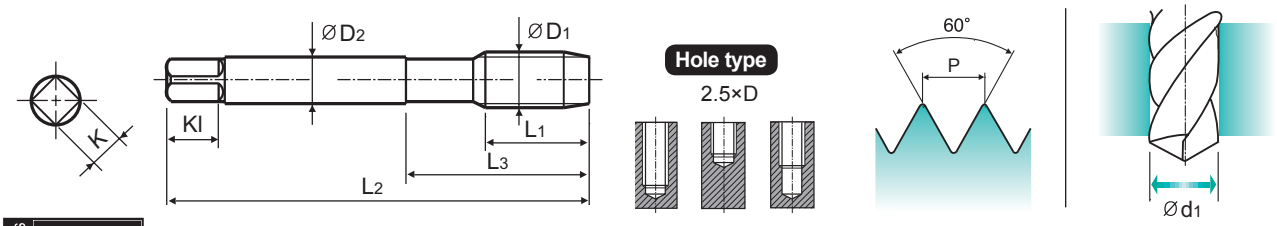
Machine taps
Maschinengewindebohrer

▶ 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° | C | R40 | TiN | Bright

p.B130

Recommended ToolHolder: Plain Shank; TAPPING ER CHUCK; TAPPING CHUCK; ONE STEP TAPPING CHUCK

Unit : mm

SIZE ØD1	TPI	EDP No. Bright	EDP No. TiN	Thread Length L1	Overall Length L2	Neck Length L3	Shank Diameter ØD2	Square Size K	Square Length Kl	No. of Flute Z	Tapping Drill Diameter Ød1
#4 - 40UNC		TCE01162	TDE01162	6	56	18	3.5	2.7	6	3	2.3
#5 - 40UNC		TCE01202	TDE01202	7	56	18	3.5	2.7	6	3	2.6
#6 - 32UNC		TCE01242	TDE01242	7	56	20	4	3	6	3	2.85
#8 - 32UNC		TCE01282	TDE01282	8	63	21	4.5	3.4	6	3	3.5
#10 - 24UNC		TCE01322	TDE01322	10	70	25	6	4.9	8	3	3.9
#12 - 24UNC		TCE01362	TDE01362	10	80	30	6	4.9	8	3	4.5
1/4 - 20UNC		TCE01402	TDE01402	13	80	30	7	5.5	8	3	5.2
5/16 - 18UNC		TCE01442	TDE01442	14	90	35	8	6.2	9	3	6.6
3/8 - 16UNC		TCE01482	TDE01482	16	100	39	9	7	10	3	8
7/16 - 14UNC		TCE01522	TDE01522	17	100	40	8	6.2	9	3	9.4
1/2 - 13UNC		TCE01562	TDE01562	20	110	44	9	7	10	3	10.75
9/16 - 12UNC		TCE01602	TDE01602	20	110	44	11	9	12	3	12.25
5/8 - 11UNC		TCE01642	TDE01642	22	110	44	12	9	12	3	13.5
3/4 - 10UNC		TCE01702	TDE01702	25	125	50	14	11	14	4	16.5
7/8 - 9UNC		TCE01742	TDE01742	27	140	54	18	14.5	17	4	19.5
1 - 8UNC		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					
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	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	400 Rm	1050 Rm	550	630	400	550
Recommended			◎			◎	◎	◎													