COMBO TAP

Vap **TBE05 SERIES**
Bright **TCE05 SERIES**
TiN **TDE05 SERIES**

M ISO Metric coarse threads DIN 13

Metrisches ISO-Gewinde DIN 13
ISO MÉTRIQUE DIN13
ISO Metrico passo grosso DIN 13

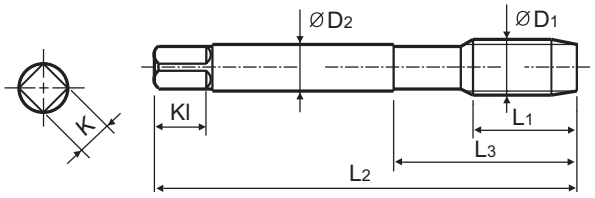
Machine taps
Maschinengewindebohrer

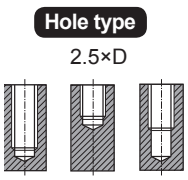
▶ For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

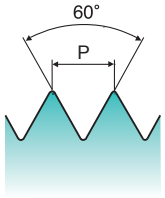
▶ Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeitendank einer besonderen Schneidengeometrie. Von YG-1 patentiert.

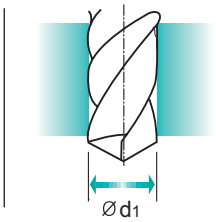












Material groups **MU** | HSS-E | DIN 371/376 | 4H | 60° | C | R40 | Vap Bright TiN

p.B130

Recommended ToolHolder: Plain Shank — TAPPING ER CHUCK, TAPPING CHUCK, ONE STEP TAPPING CHUCK

Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1	P	Vap	Bright	TiN	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2 ×	0.4	TBE05136	TCE05136	TDE05136	8	45	13	2.8	2.1	5	3	1.6
M2.2 ×	0.45	TBE05156	TCE05156	TDE05156	8	45	13	2.8	2.1	5	3	1.75
M2.3 ×	0.4	TBE05196	TCE05196	TDE05196	8	45	13	2.8	2.1	5	3	1.9
M2.5 ×	0.45	TBE05176	TCE05176	TDE05176	9	50	15	2.8	2.1	5	3	2.05
M2.6 ×	0.45	TBE05496	TCE05496	TDE05496	9	50	15	2.8	2.1	5	3	2.1
M3 ×	0.5	TBE05206	TCE05206	TDE05206	6	56	18	3.5	2.7	6	3	2.5
M3.5 ×	0.6	TBE05226	TCE05226	TDE05226	7	56	20	4	3	6	3	2.9
M4 ×	0.7	TBE05246	TCE05246	TDE05246	7	63	21	4.5	3.4	6	3	3.3
M4.5 ×	0.75	TBE05266	TCE05266	TDE05266	8	70	25	6	4.9	8	3	3.7
M5 ×	0.8	TBE05286	TCE05286	TDE05286	8	70	25	6	4.9	8	3	4.2
M6 ×	1.0	TBE05316	TCE05316	TDE05316	10	80	30	6	4.9	8	3	5
M7 ×	1.0	TBE05346	TCE05346	TDE05346	10	80	30	7	5.5	8	3	6
M8 ×	1.25	TBE05366	TCE05366	TDE05366	13	90	35	8	6.2	9	3	6.8
M9 ×	1.25	TBE05396	TCE05396	TDE05396	13	90	35	9	7	10	3	7.8
M10 ×	1.5	TBE05426	TCE05426	TDE05426	15	100	39	10	8	11	3	8.5
M11 ×	1.5	TBE05466	TCE05466	TDE05466	17	100	40	8	6.2	9	3	9.5
M12 ×	1.75	TBE05506	TCE05506	TDE05506	18	110	44	9	7	10	3	10.2
M14 ×	2.0	TBE05546	TCE05546	TDE05546	20	110	44	11	9	12	3	12
M16 ×	2.0	TBE05606	TCE05606	TDE05606	20	110	44	12	9	12	3	14
M18 ×	2.5	TBE05656	TCE05656	TDE05656	25	125	50	14	11	14	4	15.5
M20 ×	2.5	TBE05706	TCE05706	TDE05706	25	140	54	16	12	15	4	17.5
M22 ×	2.5	TBE05746	TCE05746	TDE05746	25	140	54	18	14.5	17	4	19.5
M24 ×	3.0	TBE05786	TCE05786	TDE05786	30	160	60	18	14.5	17	4	21
M27 ×	3.0	TBE05866	TCE05866	TDE05866	30	160	60	20	16	19	4	24
M30 ×	3.5	TBE05946	TCE05946	TDE05946	35	180	70	22	18	21	4	26.5

▶ DIN 371(M2~M10) and DIN 376(M11~M30)
▶ 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		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	400Rm	1050Rm	550	630	400	550
Recommended			◎			◎	◎	◎													

phone:+82-32-526-0909, www.yg1.solutions, E-mail:yg1@yg1.solutions
YG-1 CO., LTD.