



Vap **TBJ08** SERIES
Bright **TCJ08** SERIES
TiN **TDJ08** SERIES

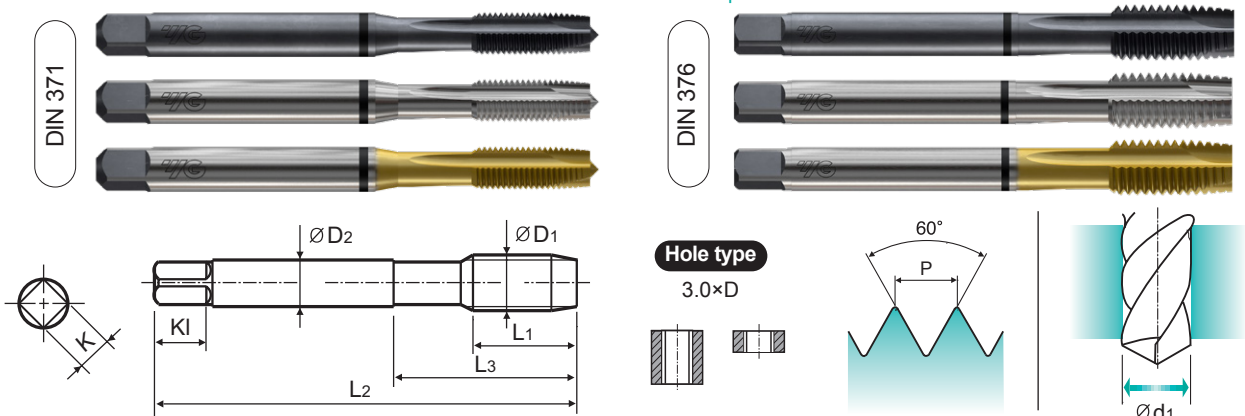
M ISO Metric coarse threads DIN 13

- 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 Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Material groups: **MU** HSS-E DIN 371/376 7G 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	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	KI	Z	Ød1
M2 × 0.4		TBJ08136	TCJ08136	TDJ08136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TBJ08156	TCJ08156	TDJ08156	8	45	13	2.8	2.1	5	3	1.75
M2.3 × 0.4		TBJ08196	TCJ08196	TDJ08196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TBJ08176	TCJ08176	TDJ08176	9	50	15	2.8	2.1	5	3	2.05
M2.6 × 0.45		TBJ08496	TCJ08496	TDJ08496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TBJ08206	TCJ08206	TDJ08206	11	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TBJ08226	TCJ08226	TDJ08226	12	56	20	4	3	6	3	2.9
M4 × 0.7		TBJ08246	TCJ08246	TDJ08246	13	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TBJ08266	TCJ08266	TDJ08266	14	70	25	6	4.9	8	3	3.7
M5 × 0.8		TBJ08286	TCJ08286	TDJ08286	15	70	25	6	4.9	8	3	4.2
M6 × 1.0		TBJ08316	TCJ08316	TDJ08316	17	80	30	6	4.9	8	3	5
M7 × 1.0		TBJ08346	TCJ08346	TDJ08346	17	80	30	7	5.5	8	3	6
M8 × 1.25		TBJ08366	TCJ08366	TDJ08366	20	90	35	8	6.2	9	3	6.8
M9 × 1.25		TBJ08396	TCJ08396	TDJ08396	20	90	35	9	7	10	3	7.8
M10 × 1.5		TBJ08426	TCJ08426	TDJ08426	22	100	39	10	8	11	3	8.5
M11 × 1.5		TBJ08466	TCJ08466	TDJ08466	22	100	40	8	6.2	9	3	9.5
M12 × 1.75		TBJ08506	TCJ08506	TDJ08506	24	110	44	9	7	10	3	10.2
M14 × 2.0		TBJ08546	TCJ08546	TDJ08546	26	110	44	11	9	12	3	12
M16 × 2.0		TBJ08606	TCJ08606	TDJ08606	27	110	44	12	9	12	3	14
M18 × 2.5		TBJ08656	TCJ08656	TDJ08656	30	125	50	14	11	14	4	15.5
M20 × 2.5		TBJ08706	TCJ08706	TDJ08706	32	140	54	16	12	15	4	17.5
M22 × 2.5		TBJ08746	TCJ08746	TDJ08746	32	140	54	18	14.5	17	4	19.5
M24 × 3.0		TBJ08786	TCJ08786	TDJ08786	34	160	60	18	14.5	17	4	21
M27 × 3.0		TBJ08866	TCJ08866	TDJ08866	36	160	60	20	16	19	4	24
M30 × 3.5		TBJ08946	TCJ08946	TDJ08946	40	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 Material Description	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		
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	35	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	260	160	250	130	230	230	
Recommended	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

ISO Material Description	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	
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	15	30	33	34	35	36	37	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			○			○	○	○														



Vap **TB854** SERIES
Bright **TC854** SERIES
TiN **TD854** SERIES

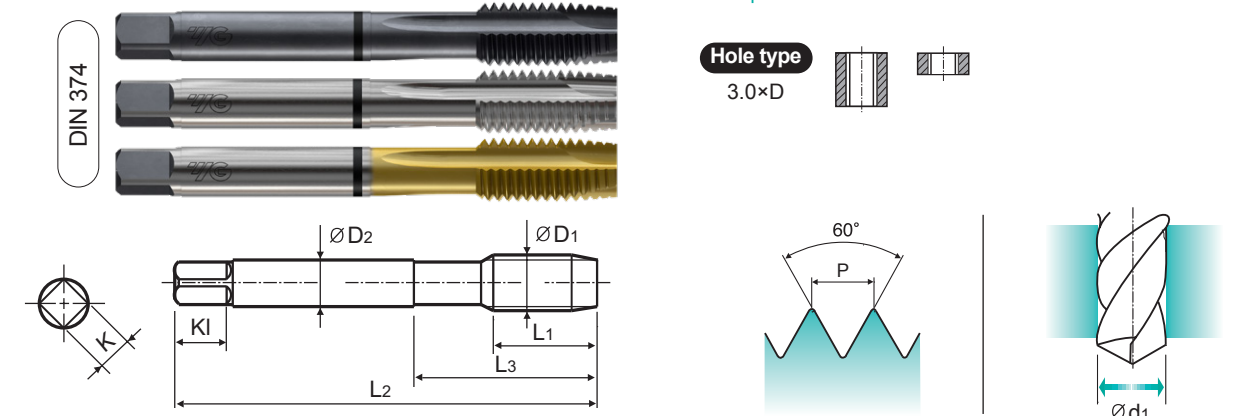
MF ISO Metric fine threads DIN 13

- Metrisches ISO-Feingewinde DIN 13
- ISO MÉTRIQUE PAS FINS DIN13
- ISO Metrico passo grosso DIN 13

Machine taps
Maschinengewindebohrer

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Material groups: **MU** HSS-E DIN 374 6H 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	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	KI	Z	Ød1
M4 × 0.5		TB854256	TC854256	TD854256	10	63	21	2.8	2.1	5	3	3.5
M5 × 0.5		TB854296	TC854296	TD854296	11	70	25	3.5	2.7	6	3	4.5
M6 × 0.75		TB854326	TC854326	TD854326	13	80	30	4.5	3.4	6	3	5.2
M6 × 0.5		TB854336	TC854336	TD854336	13	80	30	4.5	3.4	6	3	5.5
M7 × 0.75		TB854356	TC854356	TD854356	14	80	30	5.5	4.3	7	3	6.2
M8 × 1.0		TB854376	TC854376	TD854376	17	90	36	6	4.9	8	3	7
M8 × 0.75		TB854386	TC854386	TD854386	14	80	30	6	4.9	8	3	7.2
M10 × 1.25		TB854436	TC854436	TD854436	22	100	40	7	5.5	8	3	8.8
M10 × 1.0		TB854446	TC854446	TD854446	18	90	36	7	5.5	8	3	9
M10 × 0.75		TB854456	TC854456	TD854456	18	90	36	7	5.5	8	3	9.2
M12 × 1.5		TB854516	TC854516	TD854516	22	100	40	9	7	10	3	10.5
M12 × 1.25		TB854526	TC854526	TD854526	22	100	40	9	7	10	3	10.8
M12 × 1.0		TB854536	TC854536	TD854536	18	100	40	9	7	10	3	11
M14 × 1.5		TB854556	TC854556	TD854556	22	100	40	11	9	12	3	12.5
M14 × 1.25		TB854566	TC854566	TD854566	22	100	40	11	9	12	3	12.8
M14 × 1.0		TB854576	TC854576	TD854576	22	100	40	11	9	12	3	13
M16 × 1.5		TB854616	TC854616	TD854616	22	100	40	12	9	12	3	14.5
M16 × 1.0		TB854626	TC854626	TD854626	18	100	40	12	9	12	3	15
M18 × 1.5		TB854676	TC854676	TD854676	25	110	44	14	11	14	4	16.5
M18 × 1.0		TB854686	TC854686	TD854686	20	110	44	14	11	14	4	17

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► NEXT PAGE

© : Excellent ○ : Good

ISO Material Description	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		
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	35	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	260	160	250	130	230	230	
Recommended	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

ISO Material Description	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	
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	15	30	33	34	35	36	37	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			○			○	○	○														