

HSS



Leading Through Innovation



COMBO TAPS








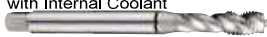













COMBO GEWINDEBOHRER

- Spiral Point, Spiral Flute Type
Excellent performance on various work materials. YG-1's Patent
- Schälanschnitt, Spiralgenutet
Ausgezeichnete Leistung in verschiedenen Arbeitsmaterialien. YG-1 Patent

SELECTION GUIDE




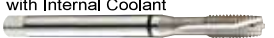








COMBO TAPS (Spiral Flute & Spiral Point)
Excellent performance on various work materials. YG-1's Patent.

COMBO TAPS

EDP No.	MODEL	Tool Material	Standard	Work Material	Dimensions	Tolerance	Chamfer	Thread Depth	Surface Treatment	PAGE
● TBE05 TCE05 TDE05		HSS-E	M	MU	DIN371/376	ISO 1/4H	C	2.5D	Vap Bright TiN	462
● TB804 TC804 TD804		HSS-E	M	MU	DIN371/376	ISO 2/6H	C	2.5D	Vap Bright TiN	463
● TBE06 TCE06 TDE06		HSS-E	M	MU	DIN371/376	6H+0.1	C	2.5D	Vap Bright TiN	464
● TBE07 TCE07 TDE07		HSS-E	M	MU	DIN371/376	ISO 3/6G	C	2.5D	Vap Bright TiN	465
● TBE08 TCE08 TDE08		HSS-E	M	MU	DIN371/376	7G	C	2.5D	Vap Bright TiN	466
● TB844 TC844 TD844		HSS-E	MF	MU	DIN374	ISO 2/6H	C	2.5D	Vap Bright TiN	467
● TCE09 TDE09		HSS-E	MF	MU	DIN374	ISO 3/6G	C	2.5D	Bright TiN	469
● TC804-IC	with Internal Coolant 	HSS-E	M	MU	DIN371/376	ISO 2/6H	C	2.5D	Bright	471
● TC807		HSS-E	M	MU	DIN371/376	ISO 2/6H	E	2.5D	Bright	472
● TC633		HSS-E	M	MU	LONG	ISO 2/6H	C	2.5D	Bright	473
● TQ744 TB744		HSS-PM HSS-E	M	VA	DIN371/376	ISO 2/6H	C	2.5D	Vap	474
● TQ754		HSS-PM	MF	VA	DIN374	ISO 2/6H	C	2.5D	Vap	475
● TB754		HSS-E	MF	VA	DIN374	ISO 2/6H	C	2.5D	Vap	476
● TB824 TC824 TD824		HSS-E	UNC	MU	DIN371/376	2B	C	2.5D	Vap Bright TiN	477
● TCE01 TDE01		HSS-E	UNC	MU	DIN371/376	3B	C	2.5D	Bright TiN	478
● TB864 TC864 TD864		HSS-E	UNF	MU	DIN371/374	2B	C	2.5D	Vap Bright TiN	479
● TCE02 TDE02		HSS-E	UNF	MU	DIN371/374	3B	C	2.5D	Bright TiN	480
● TBJ05 TCJ05 TDJ05		HSS-E	M	MU	DIN371/376	ISO 1/4H	B	3.0D	Vap Bright TiN	481
● TB814 TC814 TD814		HSS-E	M	MU	DIN371/376	ISO 2/6H	B	3.0D	Vap Bright TiN	482
● TBJ06 TCJ06 TDJ06		HSS-E	M	MU	DIN371/376	6H+0.1	B	3.0D	Vap Bright TiN	483
● TBJ07 TCJ07 TDJ07		HSS-E	M	MU	DIN371/376	ISO 3/6G	B	3.0D	Vap Bright TiN	484

COMBO TAPS

● SPIRAL FLUTE TAP ● SPIRAL POINT TAP

EDP No.	MODEL	Tool Material	Standard	Work Material	Dimensions	Tolerance	Chamfer	Thread Depth	Surface Treatment	PAGE
● TBJ08 ● TCJ08 ● TDJ08		HSS-E	M	MU	DIN371/376	7G	B	3.0D	Vap Bright TiN	485
● TB854 ● TC854 ● TD854		HSS-E	MF	MU	DIN374	ISO 2/6H	B	3.0D	Vap Bright TiN	486
● TCJ09 ● TDJ09		HSS-E	MF	MU	DIN374	ISO 3/6G	B	3.0D	Bright TiN	488
● TC814-IC	with Internal Coolant 	HSS-E	M	MU	DIN371/376	ISO 2/6H	B	3.0D	Bright	490
● TC445		HSS-E	M	MU	LONG	ISO 2/6H	B	3.0D	Bright	491
● TQ428 ● TB428		HSS-PM HSS-E	M	VA	DIN371/376	ISO 2/6H	B	3.0D	Vap	492
● TQ438		HSS-PM	MF	VA	DIN374	ISO 2/6H	B	3.0D	Vap	493
● TB438		HSS-E	MF	VA	DIN374	ISO 2/6H	B	3.0D	Vap	494
● TB834 ● TC834 ● TD834		HSS-E	UNC	MU	DIN371/376	2B	B	3.0D	Vap Bright TiN	495
● TCJ01 ● TDJ01		HSS-E	UNC	MU	DIN371/376	3B	B	3.0D	Bright TiN	496
● TB874 ● TC874 ● TD874		HSS-E	UNF	MU	DIN371/374	2B	B	3.0D	Vap Bright TiN	497
● TCJ02 ● TDJ02		HSS-E	UNF	MU	DIN371/374	3B	B	3.0D	Bright TiN	498

CARBIDE

HSS



TBE05 SERIES Vap
TCE05 SERIES Bright
TDE05 SERIES TiN

M ISO Metric coarse threads DIN 13

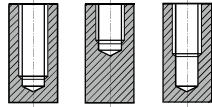
- Metrisches ISO-Gewinde DIN 13
- ISO MÉTRIQUE DIN13
- ISO Metrico passo grosso DIN 13

► 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.



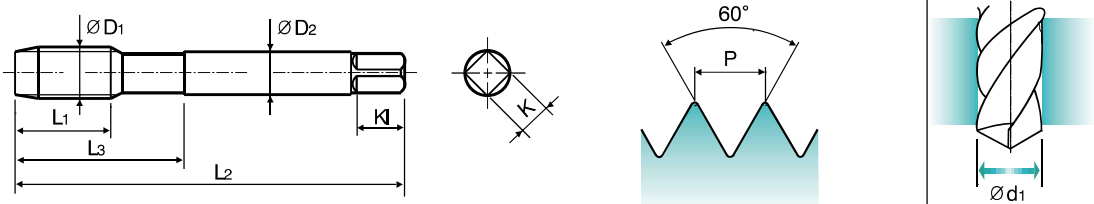
Hole type
2.5×D



Material groups
MU

HSS-E DIN 371/376 4H 60° C Vap Bright TiN R40

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	KI	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		TBE05316	TCE05316	TDE05316	10	80	30	6	4.9	8	3	5
M7 × 1		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		TBE05546	TCE05546	TDE05546	20	110	44	11	9	12	3	12
M16 × 2		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		TBE05786	TCE05786	TDE05786	30	160	60	18	14.5	17	4	21
M27 × 3		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

► DIN371 (M2~M10) and DIN376 (M11~M30)
 * The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm² ◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

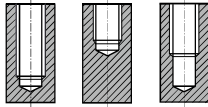
M ISO Metric coarse threads DIN 13

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

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► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.

Hole type
2.5×D



Material groups

MU

HSS-E

DIN 371/376

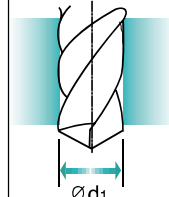
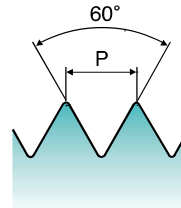
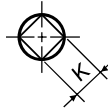
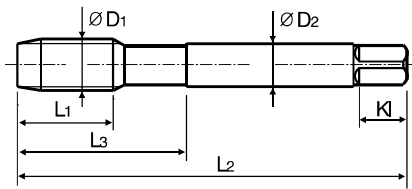
6H



Vap
Bright
TiN



Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
M2	× 0.4	TB804136	TC804136	TD804136	8	45	13	2.8	2.1	5	3	1.6
M2.2	× 0.45	TB804156	TC804156	TD804156	8	45	13	2.8	2.1	5	3	1.75
M2.3	× 0.4	TB804196	TC804196	TD804196	8	45	13	2.8	2.1	5	3	1.9
M2.5	× 0.45	TB804176	TC804176	TD804176	9	50	15	2.8	2.1	5	3	2.05
M2.6	× 0.45	TB804496	TC804496	TD804496	9	50	15	2.8	2.1	5	3	2.1
M3	× 0.5	TB804206	TC804206	TD804206	6	56	18	3.5	2.7	6	3	2.5
M3.5	× 0.6	TB804226	TC804226	TD804226	7	56	20	4	3	6	3	2.9
M4	× 0.7	TB804246	TC804246	TD804246	7	63	21	4.5	3.4	6	3	3.3
M4.5	× 0.75	TB804266	TC804266	TD804266	8	70	25	6	4.9	8	3	3.7
M5	× 0.8	TB804286	TC804286	TD804286	8	70	25	6	4.9	8	3	4.2
M6	× 1	TB804316	TC804316	TD804316	10	80	30	6	4.9	8	3	5
M7	× 1	TB804346	TC804346	TD804346	10	80	30	7	5.5	8	3	6
M8	× 1.25	TB804366	TC804366	TD804366	13	90	35	8	6.2	9	3	6.8
M9	× 1.25	TB804396	TC804396	TD804396	13	90	35	9	7	10	3	7.8
M10	× 1.5	TB804426	TC804426	TD804426	15	100	39	10	8	11	3	8.5
M11	× 1.5	TB804466	TC804466	TD804466	17	100	40	8	6.2	9	3	9.5
M12	× 1.75	TB804506	TC804506	TD804506	18	110	44	9	7	10	3	10.2
M14	× 2	TB804546	TC804546	TD804546	20	110	44	11	9	12	3	12
M16	× 2	TB804606	TC804606	TD804606	20	110	44	12	9	12	3	14
M18	× 2.5	TB804656	TC804656	TD804656	25	125	50	14	11	14	4	15.5
M20	× 2.5	TB804706	TC804706	TD804706	25	140	54	16	12	15	4	17.5
M22	× 2.5	TB804746	TC804746	TD804746	25	140	54	18	14.5	17	4	19.5
M24	× 3	TB804786	TC804786	TD804786	30	160	60	18	14.5	17	4	21
M27	× 3	TB804866	TC804866	TD804866	30	160	60	20	16	19	4	24
M30	× 3.5	TB804946	TC804946	TD804946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30)

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
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CARBIDE

HSS



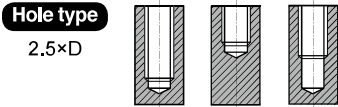
TBE06 SERIES Vap
TCE06 SERIES Bright
TDE06 SERIES TiN

M ISO Metric coarse threads DIN 13

- Metrisches ISO-Gewinde DIN 13
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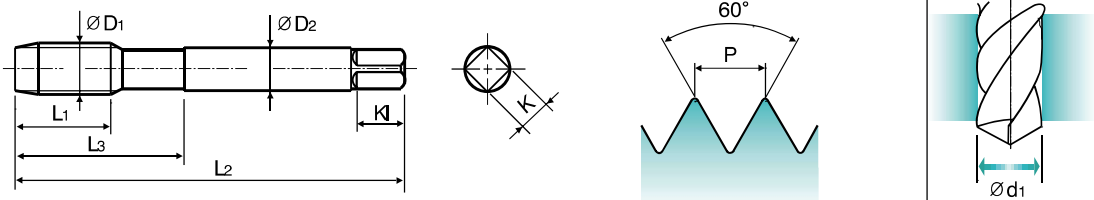
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Material groups **MU**

HSS-E **DIN 371/376** **6H+0.1** **60°** **C** **Vap Bright TiN** **R40**

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
M2 × 0.4		TBE06136	TCE06136	TDE06136	8	45	13	2.8	2.1	5	3	1.7
M2.2 × 0.45		TBE06156	TCE06156	TDE06156	8	45	13	2.8	2.1	5	3	1.85
M2.3 × 0.4		TBE06196	TCE06196	TDE06196	8	45	13	2.8	2.1	5	3	2
M2.5 × 0.45		TBE06176	TCE06176	TDE06176	9	50	15	2.8	2.1	5	3	2.15
M2.6 × 0.45		TBE06496	TCE06496	TDE06496	9	50	15	2.8	2.1	5	3	2.2
M3 × 0.5		TBE06206	TCE06206	TDE06206	6	56	18	3.5	2.7	6	3	2.6
M3.5 × 0.6		TBE06226	TCE06226	TDE06226	7	56	20	4	3	6	3	3
M4 × 0.7		TBE06246	TCE06246	TDE06246	7	63	21	4.5	3.4	6	3	3.4
M4.5 × 0.75		TBE06266	TCE06266	TDE06266	8	70	25	6	4.9	8	3	3.8
M5 × 0.8		TBE06286	TCE06286	TDE06286	8	70	25	6	4.9	8	3	4.3
M6 × 1		TBE06316	TCE06316	TDE06316	10	80	30	6	4.9	8	3	5.1
M7 × 1		TBE06346	TCE06346	TDE06346	10	80	30	7	5.5	8	3	6.1
M8 × 1.25		TBE06366	TCE06366	TDE06366	13	90	35	8	6.2	9	3	6.9
M9 × 1.25		TBE06396	TCE06396	TDE06396	13	90	35	9	7	10	3	7.9
M10 × 1.5		TBE06426	TCE06426	TDE06426	15	100	39	10	8	11	3	8.6
M11 × 1.5		TBE06466	TCE06466	TDE06466	17	100	40	8	6.2	9	3	9.6
M12 × 1.75		TBE06506	TCE06506	TDE06506	18	110	44	9	7	10	3	10.3
M14 × 2		TBE06546	TCE06546	TDE06546	20	110	44	11	9	12	3	12.1
M16 × 2		TBE06606	TCE06606	TDE06606	20	110	44	12	9	12	3	14.1
M18 × 2.5		TBE06656	TCE06656	TDE06656	25	125	50	14	11	14	4	15.6
M20 × 2.5		TBE06706	TCE06706	TDE06706	25	140	54	16	12	15	4	17.6
M22 × 2.5		TBE06746	TCE06746	TDE06746	25	140	54	18	14.5	17	4	19.6
M24 × 3		TBE06786	TCE06786	TDE06786	30	160	60	18	14.5	17	4	21.1
M27 × 3		TBE06866	TCE06866	TDE06866	30	160	60	20	16	19	4	24.1
M30 × 3.5		TBE06946	TCE06946	TDE06946	35	180	70	22	18	21	4	26.6

► DIN371 (M2~M10) and DIN376 (M11~M30)
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Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

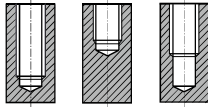
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Hole type
2.5×D



Material groups

MU

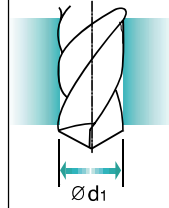
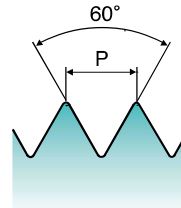
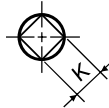
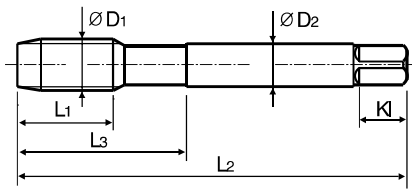
HSS-E

DIN 371/376

6G



Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	Z	Ød1
M2 × 0.4		TBE07136	TCE07136	TDE07136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TBE07156	TCE07156	TDE07156	8	45	13	2.8	2.1	5	3	1.75
M2.3 × 0.4		TBE07196	TCE07196	TDE07196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TBE07176	TCE07176	TDE07176	9	50	15	2.8	2.1	5	3	2.05
M2.6 × 0.45		TBE07496	TCE07496	TDE07496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TBE07206	TCE07206	TDE07206	6	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TBE07226	TCE07226	TDE07226	7	56	20	4	3	6	3	2.9
M4 × 0.7		TBE07246	TCE07246	TDE07246	7	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TBE07266	TCE07266	TDE07266	8	70	25	6	4.9	8	3	3.7
M5 × 0.8		TBE07286	TCE07286	TDE07286	8	70	25	6	4.9	8	3	4.2
M6 × 1		TBE07316	TCE07316	TDE07316	10	80	30	6	4.9	8	3	5
M7 × 1		TBE07346	TCE07346	TDE07346	10	80	30	7	5.5	8	3	6
M8 × 1.25		TBE07366	TCE07366	TDE07366	13	90	35	8	6.2	9	3	6.8
M9 × 1.25		TBE07396	TCE07396	TDE07396	13	90	35	9	7	10	3	7.8
M10 × 1.5		TBE07426	TCE07426	TDE07426	15	100	39	10	8	11	3	8.5
M11 × 1.5		TBE07466	TCE07466	TDE07466	17	100	40	8	6.2	9	3	9.5
M12 × 1.75		TBE07506	TCE07506	TDE07506	18	110	44	9	7	10	3	10.2
M14 × 2		TBE07546	TCE07546	TDE07546	20	110	44	11	9	12	3	12
M16 × 2		TBE07606	TCE07606	TDE07606	20	110	44	12	9	12	3	14
M18 × 2.5		TBE07656	TCE07656	TDE07656	25	125	50	14	11	14	4	15.5
M20 × 2.5		TBE07706	TCE07706	TDE07706	25	140	54	16	12	15	4	17.5
M22 × 2.5		TBE07746	TCE07746	TDE07746	25	140	54	18	14.5	17	4	19.5
M24 × 3		TBE07786	TCE07786	TDE07786	30	160	60	18	14.5	17	4	21
M27 × 3		TBE07866	TCE07866	TDE07866	30	160	60	20	16	19	4	24
M30 × 3.5		TBE07946	TCE07946	TDE07946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30)

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

CARBIDE

HSS



Vap
Bright
TiN

M ISO Metric coarse threads DIN 13

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

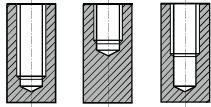
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Hole type

2.5×D



HSS-E

DIN 371/376

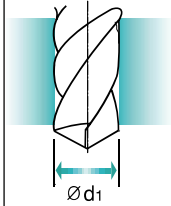
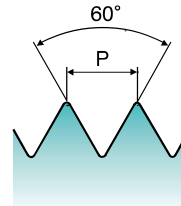
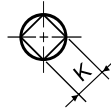
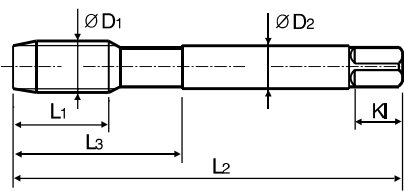
7G



Vap
Bright
TiN

R40

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	Z	Ød1
M2 × 0.4		TBE08136	TCE08136	TDE08136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TBE08156	TCE08156	TDE08156	8	45	13	2.8	2.1	5	3	1.75
M2.3 × 0.4		TBE08196	TCE08196	TDE08196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TBE08176	TCE08176	TDE08176	9	50	15	2.8	2.1	5	3	2.05
M2.6 × 0.45		TBE08496	TCE08496	TDE08496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TBE08206	TCE08206	TDE08206	6	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TBE08226	TCE08226	TDE08226	7	56	20	4	3	6	3	2.9
M4 × 0.7		TBE08246	TCE08246	TDE08246	7	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TBE08266	TCE08266	TDE08266	8	70	25	6	4.9	8	3	3.7
M5 × 0.8		TBE08286	TCE08286	TDE08286	8	70	25	6	4.9	8	3	4.2
M6 × 1		TBE08316	TCE08316	TDE08316	10	80	30	6	4.9	8	3	5
M7 × 1		TBE08346	TCE08346	TDE08346	10	80	30	7	5.5	8	3	6
M8 × 1.25		TBE08366	TCE08366	TDE08366	13	90	35	8	6.2	9	3	6.8
M9 × 1.25		TBE08396	TCE08396	TDE08396	13	90	35	9	7	10	3	7.8
M10 × 1.5		TBE08426	TCE08426	TDE08426	15	100	39	10	8	11	3	8.5
M11 × 1.5		TBE08466	TCE08466	TDE08466	17	100	40	8	6.2	9	3	9.5
M12 × 1.75		TBE08506	TCE08506	TDE08506	18	110	44	9	7	10	3	10.2
M14 × 2		TBE08546	TCE08546	TDE08546	20	110	44	11	9	12	3	12
M16 × 2		TBE08606	TCE08606	TDE08606	20	110	44	12	9	12	3	14
M18 × 2.5		TBE08656	TCE08656	TDE08656	25	125	50	14	11	14	4	15.5
M20 × 2.5		TBE08706	TCE08706	TDE08706	25	140	54	16	12	15	4	17.5
M22 × 2.5		TBE08746	TCE08746	TDE08746	25	140	54	18	14.5	17	4	19.5
M24 × 3		TBE08786	TCE08786	TDE08786	30	160	60	18	14.5	17	4	21
M27 × 3		TBE08866	TCE08866	TDE08866	30	160	60	20	16	19	4	24
M30 × 3.5		TBE08946	TCE08946	TDE08946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30)

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

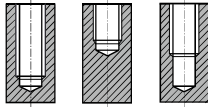
MF ISO Metric fine threads DIN 13

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

► 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.

Hole type
2.5×D



Material groups

MU

HSS-E

DIN 374

6H

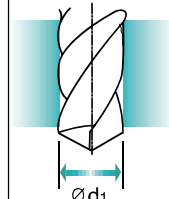
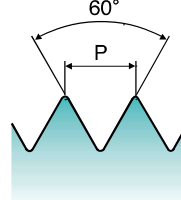
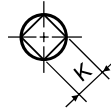
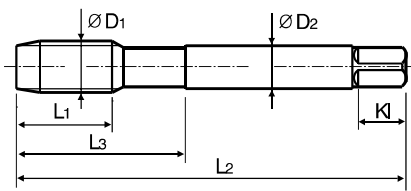
60°

C

Vap
Bright
TiN

R40

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	KI	Z	Ød1
M4 × 0.5		TB844256	TC844256	TD844256	5	63	21	2.8	2.1	5	3	3.5
M5 × 0.5		TB844296	TC844296	TD844296	5	70	25	3.5	2.7	6	3	4.5
M6 × 0.75		TB844326	TC844326	TD844326	8	80	30	4.5	3.4	6	3	5.2
M6 × 0.5		TB844336	TC844336	TD844336	5	80	30	4.5	3.4	6	3	5.5
M7 × 0.75		TB844356	TC844356	TD844356	10	80	30	5.5	4.3	7	3	6.2
M8 × 1		TB844376	TC844376	TD844376	10	90	36	6	4.9	8	3	7
M8 × 0.75		TB844386	TC844386	TD844386	8	80	30	6	4.9	8	3	7.2
M10 × 1.25		TB844436	TC844436	TD844436	16	100	40	7	5.5	8	3	8.8
M10 × 1		TB844446	TC844446	TD844446	10	90	36	7	5.5	8	3	9
M10 × 0.75		TB844456	TC844456	TD844456	10	90	36	7	5.5	8	3	9.2
M12 × 1.5		TB844516	TC844516	TD844516	15	100	40	9	7	10	3	10.5
M12 × 1.25		TB844526	TC844526	TD844526	15	100	40	9	7	10	3	10.8
M12 × 1		TB844536	TC844536	TD844536	11	100	40	9	7	10	3	11
M14 × 1.5		TB844556	TC844556	TD844556	15	100	40	11	9	12	3	12.5
M14 × 1.25		TB844566	TC844566	TD844566	15	100	40	11	9	12	3	12.8
M14 × 1		TB844576	TC844576	TD844576	11	100	40	11	9	12	3	13
M16 × 1.5		TB844616	TC844616	TD844616	15	100	40	12	9	12	3	14.5
M16 × 1		TB844626	TC844626	TD844626	12	100	40	12	9	12	3	15
M18 × 1.5		TB844676	TC844676	TD844676	17	110	44	14	11	14	4	16.5
M18 × 1		TB844686	TC844686	TD844686	13	110	44	14	11	14	4	17
M20 × 1.5		TB844726	TC844726	TD844726	17	125	50	16	12	15	4	18.5
M20 × 1		TB844736	TC844736	TD844736	14	125	50	16	12	15	4	19
M22 × 1.5		TB844766	TC844766	TD844766	17	125	50	18	14.5	17	4	20.5
M22 × 1		TB844776	TC844776	TD844776	14	125	50	18	14.5	17	4	21

* The other coating(TiCN or TiAlN) is available on your request.

► NEXT PAGE

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si < 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

CARBIDE

HSS



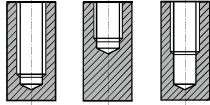
Vap
Bright
TiN

MF ISO Metric fine threads DIN 13
 Metrisches ISO-Feingewinde DIN 13
 ISO MÉTRIQUE PAS FINS DIN13
 ISO Metrico passo fine DIN 13

► 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.

Hole type
2.5×D



HSS-E

DIN 374

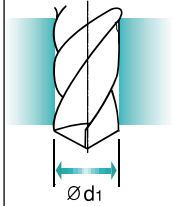
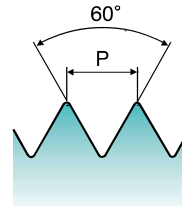
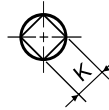
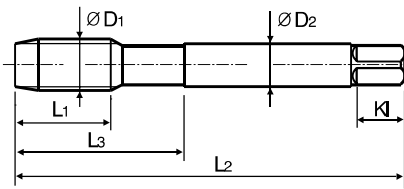
6H



Vap
Bright
TiN



Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	Z	Ød1
M24 × 2		TB844796	TC844796	TD844796	20	140	54	18	14.5	17	4	22
M24 × 1.5		TB844806	TC844806	TD844806	20	140	54	18	14.5	17	4	22.5
M26 × 1.5		TB844856	TC844856	TD844856	20	140	54	18	14.5	17	4	24.5
M27 × 2		TB844876	TC844876	TD844876	20	140	54	20	16	19	4	25
M27 × 1.5		TB844886	TC844886	TD844886	20	140	54	20	16	19	4	25.5
M28 × 1.5		TB844916	TC844916	TD844916	20	140	54	20	16	19	4	26.5
M30 × 2		TB844966	TC844966	TD844966	22	150	57	22	18	21	4	28
M30 × 1.5		TB844976	TC844976	TD844976	22	150	57	22	18	21	4	28.5

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

MF ISO Metric fine threads DIN 13

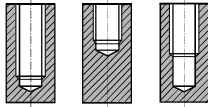
- Metrisches ISO-Feingewinde DIN 13
- ISO MÉTRIQUE PAS FINS DIN13
- ISO Metrico passo fine DIN 13

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► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.

Hole type

2.5×D



Material groups

MU

HSS-E

DIN 374

6G

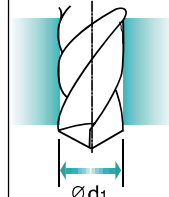
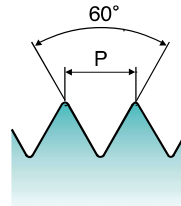
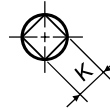
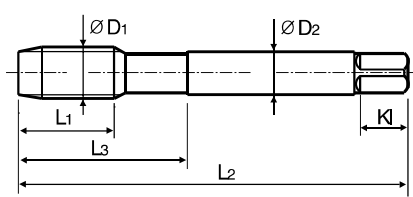
60°

C

Bright TiN

R40

Machine taps
Maschinengewindebohrer



SIZE	Pitch	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
ØD1	P			L1	L2	L3	ØD2	K	K1	Z	Ød1
M4 × 0.5		TCE09256	TDE09256	5	63	21	2.8	2.1	5	3	3.5
M5 × 0.5		TCE09296	TDE09296	5	70	25	3.5	2.7	6	3	4.5
M6 × 0.75		TCE09326	TDE09326	8	80	30	4.5	3.4	6	3	5.2
M6 × 0.5		TCE09336	TDE09336	5	80	30	4.5	3.4	6	3	5.5
M7 × 0.75		TCE09356	TDE09356	10	80	30	5.5	4.3	7	3	6.2
M8 × 1		TCE09376	TDE09376	10	90	36	6	4.9	8	3	7
M8 × 0.75		TCE09386	TDE09386	8	80	30	6	4.9	8	3	7.2
M10 × 1.25		TCE09436	TDE09436	16	100	40	7	5.5	8	3	8.8
M10 × 1		TCE09446	TDE09446	10	90	36	7	5.5	8	3	9
M10 × 0.75		TCE09456	TDE09456	10	90	36	7	5.5	8	3	9.2
M12 × 1.5		TCE09516	TDE09516	15	100	40	9	7	10	3	10.5
M12 × 1.25		TCE09526	TDE09526	15	100	40	9	7	10	3	10.8
M12 × 1		TCE09536	TDE09536	11	100	40	9	7	10	3	11
M14 × 1.5		TCE09556	TDE09556	15	100	40	11	9	12	3	12.5
M14 × 1.25		TCE09566	TDE09566	15	100	40	11	9	12	3	12.8
M14 × 1		TCE09576	TDE09576	11	100	40	11	9	12	3	13
M16 × 1.5		TCE09616	TDE09616	15	100	40	12	9	12	3	14.5
M16 × 1		TCE09626	TDE09626	12	100	40	12	9	12	3	15
M18 × 1.5		TCE09676	TDE09676	17	110	44	14	11	14	4	16.5
M18 × 1		TCE09686	TDE09686	13	110	44	14	11	14	4	17
M20 × 1.5		TCE09726	TDE09726	17	125	50	16	12	15	4	18.5
M20 × 1		TCE09736	TDE09736	14	125	50	16	12	15	4	19
M22 × 1.5		TCE09766	TDE09766	17	125	50	18	14.5	17	4	20.5
M22 × 1		TCE09776	TDE09776	14	125	50	18	14.5	17	4	21

Unit : mm

* The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

► NEXT PAGE

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

CARBIDE

HSS



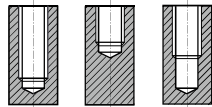
MF ISO Metric fine threads DIN 13
 Metrisches ISO-Feingewinde DIN 13
 ISO MÉTRIQUE PAS FINS DIN13
 ISO Metrico passo fine DIN 13

► 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.

Hole type

2.5×D



HSS-E

DIN 374

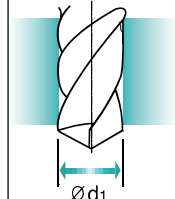
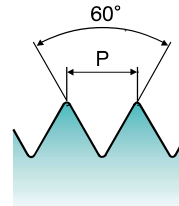
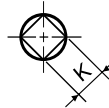
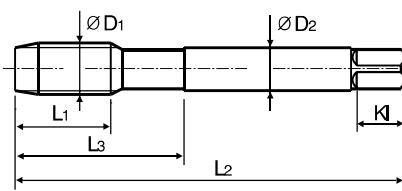
6G



Bright TiN



Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
ØD1	P			L1	L2	L3	ØD2	K	KI	Z	Ød1
M24 × 2		TCE09796	TDE09796	20	140	54	18	14.5	17	4	22
M24 × 1.5		TCE09806	TDE09806	20	140	54	18	14.5	17	4	22.5
M26 × 1.5		TCE09856	TDE09856	20	140	54	18	14.5	17	4	24.5
M27 × 2		TCE09876	TDE09876	20	140	54	20	16	19	4	25
M27 × 1.5		TCE09886	TDE09886	20	140	54	20	16	19	4	25.5
M28 × 1.5		TCE09916	TDE09916	20	140	54	20	16	19	4	26.5
M30 × 2		TCE09966	TDE09966	22	150	57	22	18	21	4	28
M30 × 1.5		TCE09976	TDE09976	22	150	57	22	18	21	4	28.5

* The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

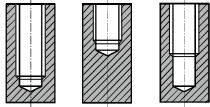
M ISO Metric coarse threads DIN 13

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

► 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.

Hole type
2.5×D



with Internal Coolant

MU

HSS-E

DIN 371/376

6H

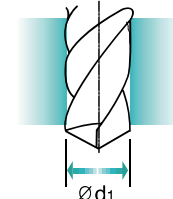
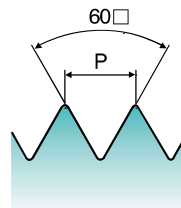
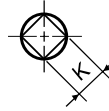
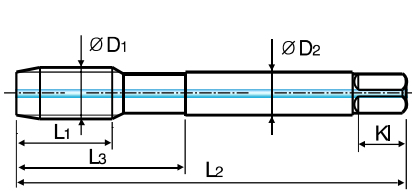
60°

C

Bright

R40

Machine taps
Maschinengewindebohrer



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	Bright	L1	L2	L3	ØD2	K	KI	Z	Ød1
M6 × 1		TC804316IC	10	80	30	6	4,9	8	3	5
M8 × 1,25		TC804366IC	13	90	35	8	6,2	9	3	6,8
M10 × 1,5		TC804426IC	15	100	39	10	8	11	3	8,5
M12 × 1,75		TC804506IC	18	110	44	9	7	10	3	10,2
M14 × 2		TC804546IC	20	110	44	11	9	12	3	12
M16 × 2		TC804606IC	20	110	44	12	9	12	3	14
M18 × 2,5		TC804656IC	25	125	50	14	11	14	4	15,5
M20 × 2,5		TC804706IC	25	140	54	16	12	15	4	17,5

► DIN371 (M6~M10) and DIN376 (M12~M20)

* Coating(TiN, TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

- THREAD MILLS
- CARBIDE TAPS
- PRIME TAPS
- COMBO TAPS
- SPIRAL FLUTE TAPS
- SPIRAL POINT TAPS
- STRAIGHT FLUTE TAPS
- COLD FORMING TAPS
- NUT TAPS
- STI TAPS
- HAND TAPS
- PIPE TAPS
- TECHNICAL DATA

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

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

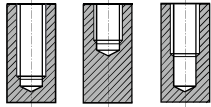
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Hole type

2.5×D



Short Chamfer



HSS-E

DIN 371/376

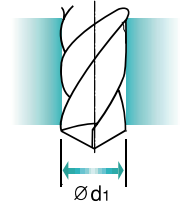
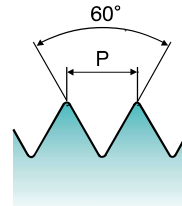
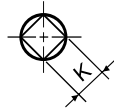
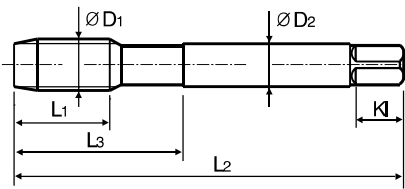
6H



Bright



Machine taps
Maschinengewindebohrer



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	Bright	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2 × 0.4		TC807136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TC807156	8	45	13	2.8	2.1	5	3	1.75
M2.3 × 0.4		TC807196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TC807176	9	50	15	2.8	2.1	5	3	2.05
M2.6 × 0.45		TC807496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TC807206	6	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TC807226	7	56	20	4	3	6	3	2.9
M4 × 0.7		TC807246	7	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TC807266	8	70	25	6	4.9	8	3	3.7
M5 × 0.8		TC807286	8	70	25	6	4.9	8	3	4.2
M6 × 1		TC807316	10	80	30	6	4.9	8	3	5
M7 × 1		TC807346	10	80	30	7	5.5	8	3	6
M8 × 1.25		TC807366	13	90	35	8	6.2	9	3	6.8
M9 × 1.25		TC807396	13	90	35	9	7	10	3	7.8
M10 × 1.5		TC807426	15	100	39	10	8	11	3	8.5
M11 × 1.5		TC807466	17	100	40	8	6.2	9	3	9.5
M12 × 1.75		TC807506	18	110	44	9	7	10	3	10.2
M14 × 2		TC807546	20	110	44	11	9	12	3	12
M16 × 2		TC807606	20	110	44	12	9	12	3	14
M18 × 2.5		TC807656	25	125	50	14	11	14	4	15.5
M20 × 2.5		TC807706	25	140	54	16	12	15	4	17.5
M22 × 2.5		TC807746	25	140	54	18	14.5	17	4	19.5
M24 × 3		TC807786	30	160	60	18	14.5	17	4	21
M27 × 3		TC807866	30	160	60	20	16	19	4	24
M30 × 3.5		TC807946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30)

* Coating(TiN, TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

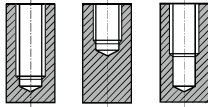
M ISO Metric coarse threads DIN 13

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

► 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.

Hole type
2.5×D



Long Shank

Material groups
MU

HSS-E

LONG

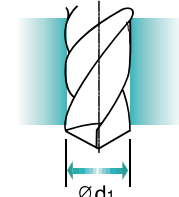
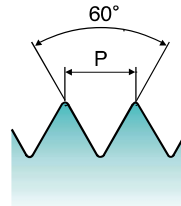
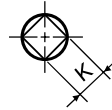
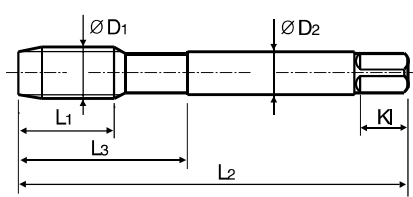
6H



Bright



Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
∅D1	P	Bright	L1	L2	L3	∅D2	K	KI	Z	∅d1
M3 × 0.5		TC633206	11	100	18	3.5	2.7	6	3	2.5
M4 × 0.7		TC633246	13	125	21	4.5	3.4	6	3	3.3
M5 × 0.8		TC633286	15	140	25	6	4.9	8	3	4.2
M6 × 1		TC633316	17	160	30	6	4.9	8	3	5
M8 × 1.25		TC633366	20	180	35	6	4.9	8	3	6.8
M10 × 1.5		TC633426	22	200	39	7	5.5	8	3	8.5
M12 × 1.75		TC633506	24	220	44	9	7	10	3	10.2
M14 × 2		TC633546	26	220	44	11	9	12	3	12
M16 × 2		TC633606	27	220	44	12	9	12	3	14
M20 × 2.5		TC633706	32	280	54	16	12	15	4	17.5

* Coating(TiN, TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

THREAD MILLS

CARBIDE TAPS

PRIME TAPS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

COLD FORMING TAPS

NUT TAPS

STI TAPS

HAND TAPS

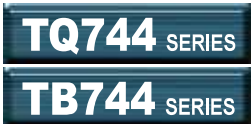
PIPE TAPS

TECHNICAL DATA

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
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M ISO Metric coarse threads DIN 13

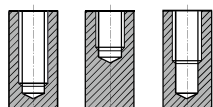
Metrisches ISO-Gewinde DIN 13
 ISO MÉTRIQUE DIN13
 ISO Metrica passo grosso DIN 13

► For stainless steels and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für rostfreie stähle, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Hole type
2.5×D



up to M12

over M12

HSS-PM

HSS-E

DIN 371/376

6H

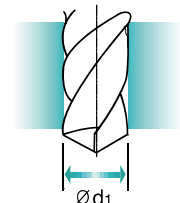
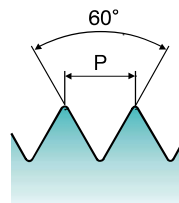
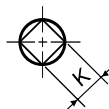
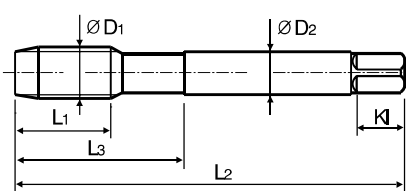
60°

C

Vap

R45

Machine taps
Maschinen-
gewindebohrer



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	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2 × 0.4		TQ744136	8	45	13	2.8	2.1	5	2	1.6
M2.2 × 0.45		TQ744156	8	45	13	2.8	2.1	5	2	1.75
M2.3 × 0.4		TQ744196	8	45	13	2.8	2.1	5	2	1.9
M2.5 × 0.45		TQ744176	9	50	15	2.8	2.1	5	2	2.05
M2.6 × 0.45		TQ744496	9	50	15	2.8	2.1	5	2	2.1
M3 × 0.5		TQ744206	6	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TQ744226	7	56	20	4	3	6	3	2.9
M4 × 0.7		TQ744246	7	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TQ744266	8	70	25	6	4.9	8	3	3.7
M5 × 0.8		TQ744286	8	70	25	6	4.9	8	3	4.2
M6 × 1		TQ744316	10	80	30	6	4.9	8	3	5
M7 × 1		TQ744346	10	80	30	7	5.5	8	3	6
M8 × 1.25		TQ744366	13	90	35	8	6.2	9	3	6.8
M9 × 1.25		TQ744396	13	90	35	9	7	10	3	7.8
M10 × 1.5		TQ744426	15	100	39	10	8	11	3	8.5
M11 × 1.5		TQ744466	17	100	40	8	6.2	9	3	9.5
M12 × 1.75		TQ744506	18	110	44	9	7	10	3	10.2
M14 × 2		TB744546	20	110	44	11	9	12	3	12
M16 × 2		TB744606	20	110	44	12	9	12	3	14
M18 × 2.5		TB744656	25	125	50	14	11	14	4	15.5
M20 × 2.5		TB744706	25	140	54	16	12	15	4	17.5
M22 × 2.5		TB744746	25	140	54	18	14.5	17	4	19.5
M24 × 3		TB744786	30	160	60	18	14.5	17	4	21
M27 × 3		TB744866	30	160	60	20	16	19	4	24
M30 × 3.5		TB744946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30)

► HSS-PM(M2~M12/TQ744) and HSS-E(M14~M30/TB744)

* Coating(TiN, TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	◎	◎							
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
				○										

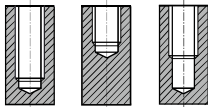
MF ISO Metric fine threads DIN 13
 Metrisches ISO-Feingewinde DIN 13
 ISO MÉTRIQUE PAS FINS DIN 13
 ISO Metrico passo fine DIN 13

► For stainless steels and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für rostfreie stähle, genaue Gewindeprofile und lange Standzeitendank einer besonderen Schneidengeometrie. Von YG-1 patentiert.

Hole type

2.5×D



Material groups

VA

HSS-PM

DIN 374

6H

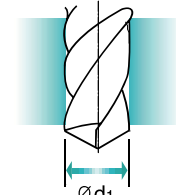
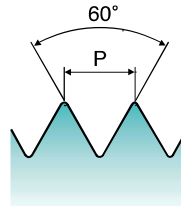
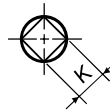
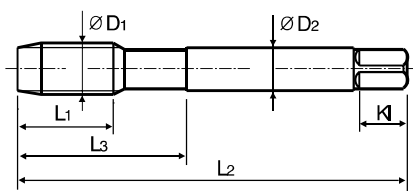
60°

C

Vap

R45

Machine taps
Maschinen-
gewindebohrer



Unit : mm

SIZE	Pitch	EDP No.	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
∅D1	P	Vap	L1	L2	L3	∅D2	K	KI	Z	∅d1
M4 × 0.5		TQ754256	5	63	21	2.8	2.1	5	3	3.5
M5 × 0.5		TQ754296	5	70	25	3.5	2.7	6	3	4.5
M6 × 0.75		TQ754326	8	80	30	4.5	3.4	6	3	5.2
M6 × 0.5		TQ754336	5	80	30	4.5	3.4	6	3	5.5
M7 × 0.75		TQ754356	10	80	30	5.5	4.3	7	3	6.2
M8 × 1		TQ754376	10	90	36	6	4.9	8	3	7
M8 × 0.75		TQ754386	8	80	30	6	4.9	8	3	7.2
M10 × 1.25		TQ754436	16	100	40	7	5.5	8	3	8.8
M10 × 1		TQ754446	10	90	36	7	5.5	8	3	9
M10 × 0.75		TQ754456	10	90	36	7	5.5	8	3	9.2
M12 × 1.5		TQ754516	15	100	40	9	7	10	3	10.5
M12 × 1.25		TQ754526	15	100	40	9	7	10	3	10.8
M12 × 1		TQ754536	11	100	40	9	7	10	3	11

* Coating(TiN, TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
	○		○			◎	◎							
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
				○										

MF ISO Metric fine threads DIN 13
 Metrisches ISO-Feingewinde DIN 13
 ISO MÉTRIQUE PAS FINS DIN13
 ISO Metrico passo fine DIN 13

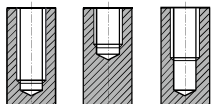
► For stainless steels and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für rostfreie stähle, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Hole type

2.5×D



Material groups **VA**

HSS-E

DIN 374

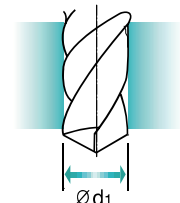
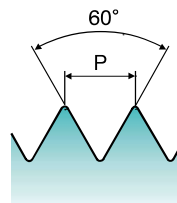
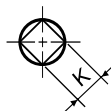
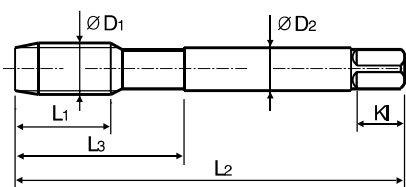
6H



Vap



Machine taps
Maschinen-gewindebohrer



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	L1	L2	L3	ØD2	K	K1	Z	Ød1
M14 × 1.5		TB754556	15	100	40	11	9	12	3	12.5
M14 × 1.25		TB754566	15	100	40	11	9	12	3	12.8
M14 × 1		TB754576	11	100	40	11	9	12	3	13
M16 × 1.5		TB754616	15	100	40	12	9	12	3	14.5
M16 × 1		TB754626	12	100	40	12	9	12	3	15
M18 × 1.5		TB754676	17	110	44	14	11	14	4	16.5
M18 × 1		TB754686	13	110	44	14	11	14	4	17
M20 × 1.5		TB754726	17	125	50	16	12	15	4	18.5
M20 × 1		TB754736	14	125	50	16	12	15	4	19
M22 × 1.5		TB754766	17	125	50	18	14.5	17	4	20.5
M22 × 1		TB754776	14	125	50	18	14.5	17	4	21
M24 × 2		TB754796	20	140	54	18	14.5	17	4	22
M24 × 1.5		TB754806	20	140	54	18	14.5	17	4	22.5
M26 × 1.5		TB754856	20	140	54	18	14.5	17	4	24.5
M27 × 2		TB754876	20	140	54	20	16	19	4	25
M27 × 1.5		TB754886	20	140	54	20	16	19	4	25.5
M28 × 1.5		TB754916	20	140	54	20	16	19	4	26.5
M30 × 2		TB754966	22	150	57	22	18	21	4	28
M30 × 1.5		TB754976	22	150	57	22	18	21	4	28.5

* Coating (TiN, TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	◎	◎							
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
				○										

UNC

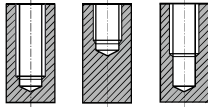
Unified coarse threads

Unified Grobgewinde
 UNC
 Unificato passo fine

► 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.

Hole type
2.5×D



Material groups

MU

HSS-E

DIN 371/376

2B

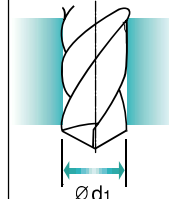
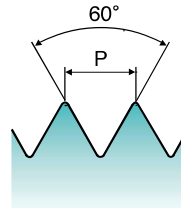
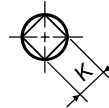
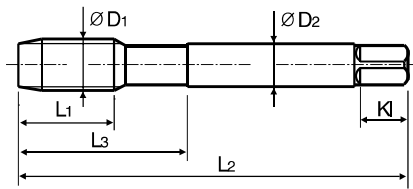
60°

C

Vap Bright TiN

R40

Machine taps
Maschinengewindebohrer



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								
ØD1					L1	L2	L3	ØD2	K	K1	Z	Ød1
#4	-40 UNC	TB824162	TC824162	TD824162	6	56	18	3.5	2.7	6	3	2.3
#5	-40 UNC	TB824202	TC824202	TD824202	7	56	18	3.5	2.7	6	3	2.6
#6	-32 UNC	TB824242	TC824242	TD824242	7	56	20	4	3	6	3	2.85
#8	-32 UNC	TB824282	TC824282	TD824282	8	63	21	4.5	3.4	6	3	3.5
#10	-24 UNC	TB824322	TC824322	TD824322	10	70	25	6	4.9	8	3	3.9
#12	-24 UNC	TB824362	TC824362	TD824362	10	80	30	6	4.9	8	3	4.5
1/4	-20 UNC	TB824402	TC824402	TD824402	13	80	30	7	5.5	8	3	5.2
5/16	-18 UNC	TB824442	TC824442	TD824442	14	90	35	8	6.2	9	3	6.6
3/8	-16 UNC	TB824482	TC824482	TD824482	16	100	39	9	7	10	3	8
7/16	-14 UNC	TB824522	TC824522	TD824522	17	100	40	8	6.2	9	3	9.4
1/2	-13 UNC	TB824562	TC824562	TD824562	20	110	44	9	7	10	3	10.75
9/16	-12 UNC	TB824602	TC824602	TD824602	20	110	44	11	9	12	3	12.25
5/8	-11 UNC	TB824642	TC824642	TD824642	22	110	44	12	9	12	3	13.5
3/4	-10 UNC	TB824702	TC824702	TD824702	25	125	50	14	11	14	4	16.5
7/8	-9 UNC	TB824742	TC824742	TD824742	27	140	54	18	14.5	17	4	19.5
1	-8 UNC	TB824782	TC824782	TD824782	30	160	60	20	16	19	4	22.25

► DIN371 (#4~3/8) and DIN376 (7/16~1)

* The other coating (TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

CARBIDE

HSS



TCE01 SERIES

Bright

TDE01 SERIES

TiN

THREAD MILLS

CARBIDE TAPS

PRIME TAPS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

COLD FORMING TAPS

NUT TAPS

STI TAPS

HAND TAPS

PIPE TAPS

TECHNICAL DATA

Unified coarse threads

UNC

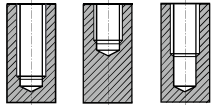
- Unified Grobgewinde
- UNC
- Unificato passo fine

► 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.

Hole type

2.5×D



HSS-E

DIN 371/376

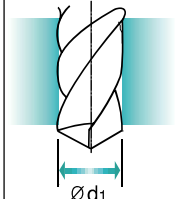
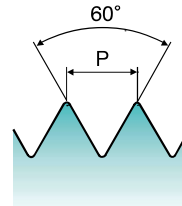
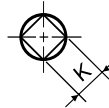
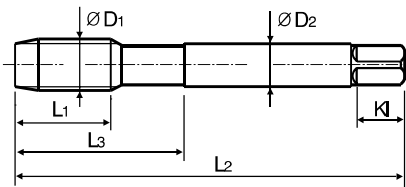
3B



Bright TiN



Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	TPI	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
#4	- 40 UNC	TCE01162	TDE01162	L1	L2	L3	ØD2	K	KI	Z	Ød1
#5	- 40 UNC	TCE01202	TDE01202	6	56	18	3.5	2.7	6	3	2.3
#6	- 32 UNC	TCE01242	TDE01242	7	56	18	3.5	2.7	6	3	2.6
#8	- 32 UNC	TCE01282	TDE01282	7	56	20	4	3	6	3	2.85
#10	- 24 UNC	TCE01322	TDE01322	8	63	21	4.5	3.4	6	3	3.5
#12	- 24 UNC	TCE01362	TDE01362	10	70	25	6	4.9	8	3	3.9
1/4	- 20 UNC	TCE01402	TDE01402	10	80	30	6	4.9	8	3	4.5
5/16	- 18 UNC	TCE01442	TDE01442	13	80	30	7	5.5	8	3	5.2
3/8	- 16 UNC	TCE01482	TDE01482	14	90	35	8	6.2	9	3	6.6
7/16	- 14 UNC	TCE01522	TDE01522	16	100	39	9	7	10	3	8
1/2	- 13 UNC	TCE01562	TDE01562	17	100	40	8	6.2	9	3	9.4
9/16	- 12 UNC	TCE01602	TDE01602	20	110	44	9	7	10	3	10.75
5/8	- 11 UNC	TCE01642	TDE01642	20	110	44	11	9	12	3	12.25
3/4	- 10 UNC	TCE01702	TDE01702	22	110	44	12	9	12	3	13.5
7/8	- 9 UNC	TCE01742	TDE01742	25	125	50	14	11	14	4	16.5
1	- 8 UNC	TCE01782	TDE01782	27	140	54	18	14.5	17	4	19.5
				30	160	60	20	16	19	4	22.25

► DIN371 (#4~3/8) and DIN376 (7/16~1)

* The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

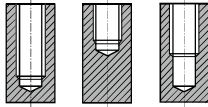
UNF Unified fine threads

Unified Grobgewinde
 UNC
 Unificato passo fine

► 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.

Hole type
2.5×D



Material groups

MU

HSS-E

DIN 371/374

2B

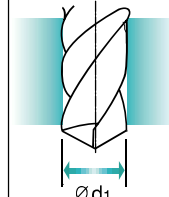
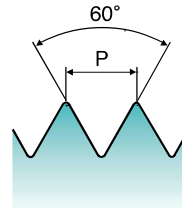
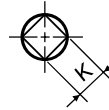
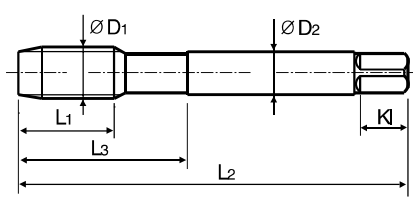
60°

C

Vap Bright TiN

R40

Machine taps
Maschinengewindebohrer



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								
ØD1					L1	L2	L3	ØD2	K	K1	Z	Ød1
#4	-48UNF	TB864182	TC864182	TD864182	6	56	18	3.5	2.7	6	3	2.4
#5	-44UNF	TB864222	TC864222	TD864222	7	56	18	3.5	2.7	6	3	2.7
#6	-40UNF	TB864262	TC864262	TD864262	7	56	20	4	3	6	3	3
#8	-36UNF	TB864302	TC864302	TD864302	8	63	21	4.5	3.4	6	3	3.5
#10	-32UNF	TB864342	TC864342	TD864342	10	70	25	6	4.9	8	3	4.1
#12	-28UNF	TB864382	TC864382	TD864382	10	80	30	6	4.9	8	3	4.7
1/4	-28UNF	TB864422	TC864422	TD864422	10	80	30	7	5.5	8	3	5.5
5/16	-24UNF	TB864462	TC864462	TD864462	10	90	35	8	6.2	9	3	6.9
3/8	-24UNF	TB864502	TC864502	TD864502	10	100	39	9	7	10	3	8.5
7/16	-20UNF	TB864542	TC864542	TD864542	13	100	40	8	6.2	9	3	9.9
1/2	-20UNF	TB864582	TC864582	TD864582	13	100	40	9	7	10	3	11.5
9/16	-18UNF	TB864622	TC864622	TD864622	15	100	40	11	9	12	3	12.9
5/8	-18UNF	TB864662	TC864662	TD864662	15	100	40	12	9	12	3	14.5
3/4	-16UNF	TB864722	TC864722	TD864722	17	110	44	14	11	14	4	17.5
7/8	-14UNF	TB864762	TC864762	TD864762	17	125	50	18	14.5	17	4	20.5
1	-12UNF	TB864802	TC864802	TD864802	20	140	54	20	16	19	4	23.25

► DIN371 (#4~3/8) and DIN374 (7/16~1)

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

CARBIDE

HSS



TCE02 SERIES

Bright

TDE02 SERIES

TiN

THREAD MILLS

CARBIDE TAPS

PRIME TAPS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

COLD FORMING TAPS

NUT TAPS

STI TAPS

HAND TAPS

PIPE TAPS

TECHNICAL DATA

UNF Unified fine threads

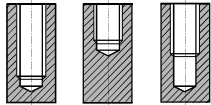
- Unified Grobgewinde
- UNC
- Unificato passo fine

► 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.

Hole type

2.5×D



HSS-E

DIN 371/374

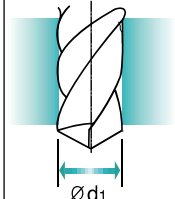
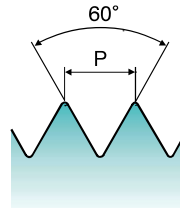
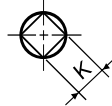
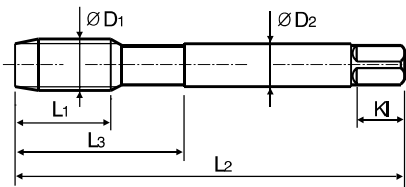
3B



Bright TiN



Machine taps
Maschinengewindebohrer



Unit : mm

SIZE ØD1	TPI	EDP No.		Thread Length L1	Overall Length L2	Neck Length L3	Shank Diameter ØD2	Square Size K	Square Length K1	No. of Flute Z	Tapping Drill Diameter Ød1
		Bright	TiN								
#4	- 48UNF	TCE02182	TDE02182	6	56	18	3.5	2.7	6	3	2.4
#5	- 44UNF	TCE02222	TDE02222	7	56	18	3.5	2.7	6	3	2.7
#6	- 40UNF	TCE02262	TDE02262	7	56	20	4	3	6	3	3
#8	- 36UNF	TCE02302	TDE02302	8	63	21	4.5	3.4	6	3	3.5
#10	- 32UNF	TCE02342	TDE02342	10	70	25	6	4.9	8	3	4.1
#12	- 28UNF	TCE02382	TDE02382	10	80	30	6	4.9	8	3	4.7
1/4	- 28UNF	TCE02422	TDE02422	10	80	30	7	5.5	8	3	5.5
5/16	- 24UNF	TCE02462	TDE02462	10	90	35	8	6.2	9	3	6.9
3/8	- 24UNF	TCE02502	TDE02502	10	100	39	9	7	10	3	8.5
7/16	- 20UNF	TCE02542	TDE02542	13	100	40	8	6.2	9	3	9.9
1/2	- 20UNF	TCE02582	TDE02582	13	100	40	9	7	10	3	11.5
9/16	- 18UNF	TCE02622	TDE02622	15	100	40	11	9	12	3	12.9
5/8	- 18UNF	TCE02662	TDE02662	15	100	40	12	9	12	3	14.5
3/4	- 16UNF	TCE02722	TDE02722	17	110	44	14	11	14	4	17.5
7/8	- 14UNF	TCE02762	TDE02762	17	125	50	18	14.5	17	4	20.5
1	- 12UNF	TCE02802	TDE02802	20	140	54	20	16	19	4	23.25

► DIN371 (#4~3/8) and DIN374 (7/16~1)

* The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

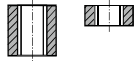
- Metrisches ISO-Gewinde DIN 13
- ISO MÉTRIQUE DIN13
- ISO Metrico passo grosso DIN 13

► 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.

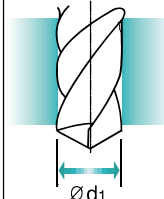
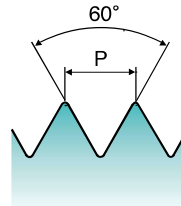
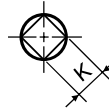
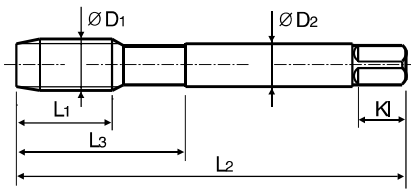
Hole type

3.0×D



Material groups

MU
HSS-E
DIN 371/376
4H

Vap Bright TiN
Machine taps
 Maschinengewindebohrer


Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	Z	Ød1
M2 × 0.4		TBJ05136	TCJ05136	TDJ05136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TBJ05156	TCJ05156	TDJ05156	8	45	13	2.8	2.1	5	3	1.75
M2.3 × 0.4		TBJ05196	TCJ05196	TDJ05196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TBJ05176	TCJ05176	TDJ05176	9	50	15	2.8	2.1	5	3	2.05
M2.6 × 0.45		TBJ05496	TCJ05496	TDJ05496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TBJ05206	TCJ05206	TDJ05206	11	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TBJ05226	TCJ05226	TDJ05226	12	56	20	4	3	6	3	2.9
M4 × 0.7		TBJ05246	TCJ05246	TDJ05246	13	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TBJ05266	TCJ05266	TDJ05266	14	70	25	6	4.9	8	3	3.7
M5 × 0.8		TBJ05286	TCJ05286	TDJ05286	15	70	25	6	4.9	8	3	4.2
M6 × 1		TBJ05316	TCJ05316	TDJ05316	17	80	30	6	4.9	8	3	5
M7 × 1		TBJ05346	TCJ05346	TDJ05346	17	80	30	7	5.5	8	3	6
M8 × 1.25		TBJ05366	TCJ05366	TDJ05366	20	90	35	8	6.2	9	3	6.8
M9 × 1.25		TBJ05396	TCJ05396	TDJ05396	20	90	35	9	7	10	3	7.8
M10 × 1.5		TBJ05426	TCJ05426	TDJ05426	22	100	39	10	8	11	3	8.5
M11 × 1.5		TBJ05466	TCJ05466	TDJ05466	22	100	40	8	6.2	9	3	9.5
M12 × 1.75		TBJ05506	TCJ05506	TDJ05506	24	110	44	9	7	10	3	10.2
M14 × 2		TBJ05546	TCJ05546	TDJ05546	26	110	44	11	9	12	3	12
M16 × 2		TBJ05606	TCJ05606	TDJ05606	27	110	44	12	9	12	3	14
M18 × 2.5		TBJ05656	TCJ05656	TDJ05656	30	125	50	14	11	14	4	15.5
M20 × 2.5		TBJ05706	TCJ05706	TDJ05706	32	140	54	16	12	15	4	17.5
M22 × 2.5		TBJ05746	TCJ05746	TDJ05746	32	140	54	18	14.5	17	4	19.5
M24 × 3		TBJ05786	TCJ05786	TDJ05786	34	160	60	18	14.5	17	4	21
M27 × 3		TBJ05866	TCJ05866	TDJ05866	36	160	60	20	16	19	4	24
M30 × 3.5		TBJ05946	TCJ05946	TDJ05946	40	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30)

* The other coating(TiCN or TiAlN) is available on your request.

 Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si < 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

CARBIDE

HSS



Vap
Bright
TiN

THREAD MILLS

CARBIDE TAPS

PRIME TAPS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

COLD FORMING TAPS

NUT TAPS

STI TAPS

HAND TAPS

PIPE TAPS

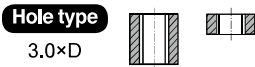
TECHNICAL DATA

M ISO Metric coarse threads DIN 13

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

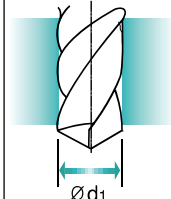
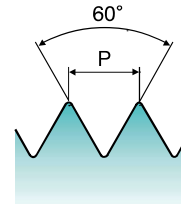
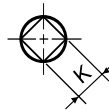
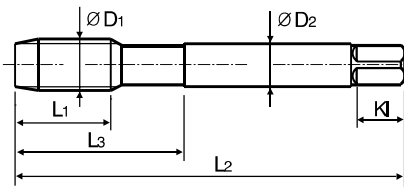
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Material groups **MU** HSS-E DIN 371/376 6H 60° B Vap Bright TiN

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	Z	Ød1
M2 × 0.4		TB814136	TC814136	TD814136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TB814156	TC814156	TD814156	8	45	13	2.8	2.1	5	3	1.75
M2.3 × 0.4		TB814196	TC814196	TD814196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TB814176	TC814176	TD814176	9	50	15	2.8	2.1	5	3	2.05
M2.6 × 0.45		TB814496	TC814496	TD814496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TB814206	TC814206	TD814206	11	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TB814226	TC814226	TD814226	12	56	20	4	3	6	3	2.9
M4 × 0.7		TB814246	TC814246	TD814246	13	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TB814266	TC814266	TD814266	14	70	25	6	4.9	8	3	3.7
M5 × 0.8		TB814286	TC814286	TD814286	15	70	25	6	4.9	8	3	4.2
M6 × 1		TB814316	TC814316	TD814316	17	80	30	6	4.9	8	3	5
M7 × 1		TB814346	TC814346	TD814346	17	80	30	7	5.5	8	3	6
M8 × 1.25		TB814366	TC814366	TD814366	20	90	35	8	6.2	9	3	6.8
M9 × 1.25		TB814396	TC814396	TD814396	20	90	35	9	7	10	3	7.8
M10 × 1.5		TB814426	TC814426	TD814426	22	100	39	10	8	11	3	8.5
M11 × 1.5		TB814466	TC814466	TD814466	22	100	40	8	6.2	9	3	9.5
M12 × 1.75		TB814506	TC814506	TD814506	24	110	44	9	7	10	3	10.2
M14 × 2		TB814546	TC814546	TD814546	26	110	44	11	9	12	3	12
M16 × 2		TB814606	TC814606	TD814606	27	110	44	12	9	12	3	14
M18 × 2.5		TB814656	TC814656	TD814656	30	125	50	14	11	14	4	15.5
M20 × 2.5		TB814706	TC814706	TD814706	32	140	54	16	12	15	4	17.5
M22 × 2.5		TB814746	TC814746	TD814746	32	140	54	18	14.5	17	4	19.5
M24 × 3		TB814786	TC814786	TD814786	34	160	60	18	14.5	17	4	21
M27 × 3		TB814866	TC814866	TD814866	36	160	60	20	16	19	4	24
M30 × 3.5		TB814946	TC814946	TD814946	40	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30)
* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm² ◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si < 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

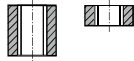
- Metrisches ISO-Gewinde DIN 13
- ISO MÉTRIQUE DIN13
- ISO Metrico passo grosso DIN 13

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

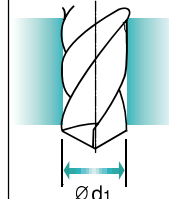
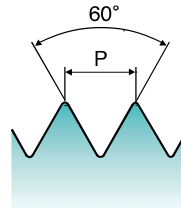
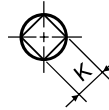
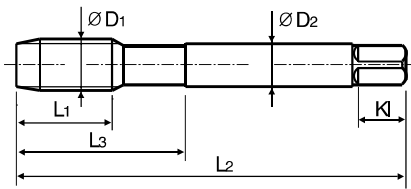
► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.

Hole type

3.0×D



Material groups

MU
HSS-E
DIN 371/376
6H+0.1
60°
B
Vap Bright TiN
Machine taps
 Maschinengewindebohrer


Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	Z	Ød1
M2 × 0.4		TBJ06136	TCJ06136	TDJ06136	8	45	13	2.8	2.1	5	3	1.7
M2.2 × 0.45		TBJ06156	TCJ06156	TDJ06156	8	45	13	2.8	2.1	5	3	1.85
M2.3 × 0.4		TBJ06196	TCJ06196	TDJ06196	8	45	13	2.8	2.1	5	3	2
M2.5 × 0.45		TBJ06176	TCJ06176	TDJ06176	9	50	15	2.8	2.1	5	3	2.15
M2.6 × 0.45		TBJ06496	TCJ06496	TDJ06496	9	50	15	2.8	2.1	5	3	2.2
M3 × 0.5		TBJ06206	TCJ06206	TDJ06206	11	56	18	3.5	2.7	6	3	2.6
M3.5 × 0.6		TBJ06226	TCJ06226	TDJ06226	12	56	20	4	3	6	3	3
M4 × 0.7		TBJ06246	TCJ06246	TDJ06246	13	63	21	4.5	3.4	6	3	3.4
M4.5 × 0.75		TBJ06266	TCJ06266	TDJ06266	14	70	25	6	4.9	8	3	3.8
M5 × 0.8		TBJ06286	TCJ06286	TDJ06286	15	70	25	6	4.9	8	3	4.3
M6 × 1		TBJ06316	TCJ06316	TDJ06316	17	80	30	6	4.9	8	3	5.1
M7 × 1		TBJ06346	TCJ06346	TDJ06346	17	80	30	7	5.5	8	3	6.1
M8 × 1.25		TBJ06366	TCJ06366	TDJ06366	20	90	35	8	6.2	9	3	6.9
M9 × 1.25		TBJ06396	TCJ06396	TDJ06396	20	90	35	9	7	10	3	7.9
M10 × 1.5		TBJ06426	TCJ06426	TDJ06426	22	100	39	10	8	11	3	8.6
M11 × 1.5		TBJ06466	TCJ06466	TDJ06466	22	100	40	8	6.2	9	3	9.6
M12 × 1.75		TBJ06506	TCJ06506	TDJ06506	24	110	44	9	7	10	3	10.3
M14 × 2		TBJ06546	TCJ06546	TDJ06546	26	110	44	11	9	12	3	12.1
M16 × 2		TBJ06606	TCJ06606	TDJ06606	27	110	44	12	9	12	3	14.1
M18 × 2.5		TBJ06656	TCJ06656	TDJ06656	30	125	50	14	11	14	4	15.6
M20 × 2.5		TBJ06706	TCJ06706	TDJ06706	32	140	54	16	12	15	4	17.6
M22 × 2.5		TBJ06746	TCJ06746	TDJ06746	32	140	54	18	14.5	17	4	19.6
M24 × 3		TBJ06786	TCJ06786	TDJ06786	34	160	60	18	14.5	17	4	21.1
M27 × 3		TBJ06866	TCJ06866	TDJ06866	36	160	60	20	16	19	4	24.1
M30 × 3.5		TBJ06946	TCJ06946	TDJ06946	40	180	70	22	18	21	4	26.6

► DIN371 (M2~M10) and DIN376 (M11~M30)

* The other coating(TiCN or TiAlN) is available on your request.

 Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si < 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

CARBIDE

HSS



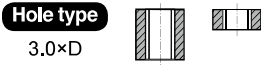
TBJ07 SERIES	Vap
TCJ07 SERIES	Bright
TDJ07 SERIES	TiN

M ISO Metric coarse threads DIN 13

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

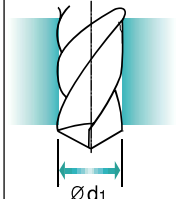
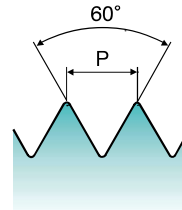
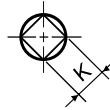
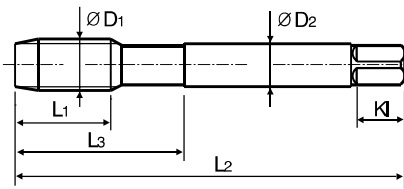
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



HSS-E **DIN 371/376** **6G** **60°** **B** **Vap Bright TiN**

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	Z	Ød1
M2 × 0.4		TBJ07136	TCJ07136	TDJ07136	8	45	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		TBJ07156	TCJ07156	TDJ07156	8	45	13	2.8	2.1	5	3	1.75
M2.3 × 0.4		TBJ07196	TCJ07196	TDJ07196	8	45	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		TBJ07176	TCJ07176	TDJ07176	9	50	15	2.8	2.1	5	3	2.05
M2.6 × 0.45		TBJ07496	TCJ07496	TDJ07496	9	50	15	2.8	2.1	5	3	2.1
M3 × 0.5		TBJ07206	TCJ07206	TDJ07206	11	56	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		TBJ07226	TCJ07226	TDJ07226	12	56	20	4	3	6	3	2.9
M4 × 0.7		TBJ07246	TCJ07246	TDJ07246	13	63	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		TBJ07266	TCJ07266	TDJ07266	14	70	25	6	4.9	8	3	3.7
M5 × 0.8		TBJ07286	TCJ07286	TDJ07286	15	70	25	6	4.9	8	3	4.2
M6 × 1		TBJ07316	TCJ07316	TDJ07316	17	80	30	6	4.9	8	3	5
M7 × 1		TBJ07346	TCJ07346	TDJ07346	17	80	30	7	5.5	8	3	6
M8 × 1.25		TBJ07366	TCJ07366	TDJ07366	20	90	35	8	6.2	9	3	6.8
M9 × 1.25		TBJ07396	TCJ07396	TDJ07396	20	90	35	9	7	10	3	7.8
M10 × 1.5		TBJ07426	TCJ07426	TDJ07426	22	100	39	10	8	11	3	8.5
M11 × 1.5		TBJ07466	TCJ07466	TDJ07466	22	100	40	8	6.2	9	3	9.5
M12 × 1.75		TBJ07506	TCJ07506	TDJ07506	24	110	44	9	7	10	3	10.2
M14 × 2		TBJ07546	TCJ07546	TDJ07546	26	110	44	11	9	12	3	12
M16 × 2		TBJ07606	TCJ07606	TDJ07606	27	110	44	12	9	12	3	14
M18 × 2.5		TBJ07656	TCJ07656	TDJ07656	30	125	50	14	11	14	4	15.5
M20 × 2.5		TBJ07706	TCJ07706	TDJ07706	32	140	54	16	12	15	4	17.5
M22 × 2.5		TBJ07746	TCJ07746	TDJ07746	32	140	54	18	14.5	17	4	19.5
M24 × 3		TBJ07786	TCJ07786	TDJ07786	34	160	60	18	14.5	17	4	21
M27 × 3		TBJ07866	TCJ07866	TDJ07866	36	160	60	20	16	19	4	24
M30 × 3.5		TBJ07946	TCJ07946	TDJ07946	40	180	70	22	18	21	4	26.5

► DIN 371 (M2~M10) and DIN376 (M11~M30)

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

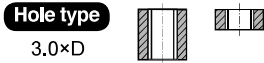
Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si < 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads DIN 13

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

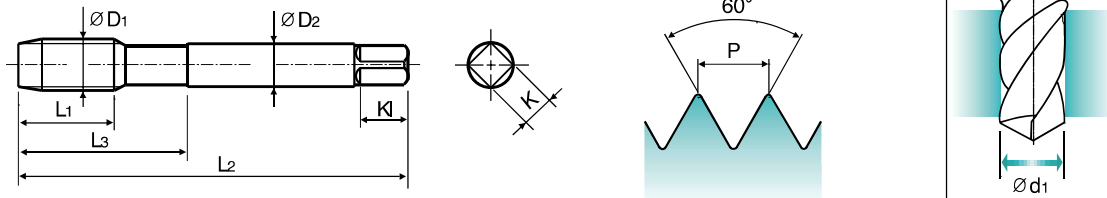
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► 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**

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
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		TBJ08316	TCJ08316	TDJ08316	17	80	30	6	4.9	8	3	5
M7 × 1		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		TBJ08546	TCJ08546	TDJ08546	26	110	44	11	9	12	3	12
M16 × 2		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		TBJ08786	TCJ08786	TDJ08786	34	160	60	18	14.5	17	4	21
M27 × 3		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 DIN376 (M11~M30)

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

CARBIDE

HSS



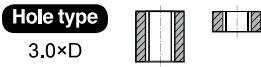
TB854 SERIES	Vap
TC854 SERIES	Bright
TD854 SERIES	TiN

MF ISO Metric fine threads DIN 13

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

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

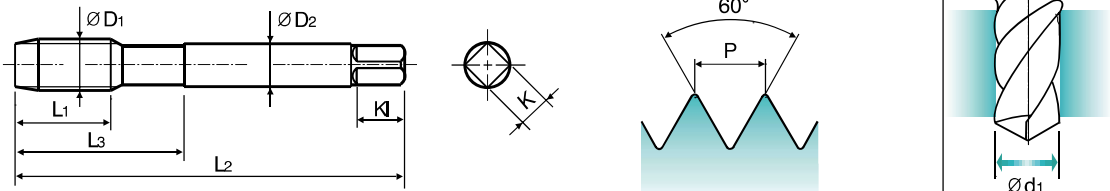
► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Material groups **MU**

HSS-E
DIN 374
6H
60°
B
Vap Bright TiN

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	K1	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		TB854376	TC854376	TD854376	17	90	36	6	4.9	8	3	7
M8 × 0.75		TB854386	TC854386	TD854386	14	80	36	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		TB854446	TC854446	TD854446	18	90	40	7	5.5	8	3	9
M10 × 0.75		TB854456	TC854456	TD854456	18	90	40	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		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		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		TB854686	TC854686	TD854686	20	110	44	14	11	14	4	17
M20 × 1.5		TB854726	TC854726	TD854726	25	125	50	16	12	15	4	18.5
M20 × 1		TB854736	TC854736	TD854736	20	125	50	16	12	15	4	19
M22 × 1.5		TB854766	TC854766	TD854766	25	125	50	18	14.5	17	4	20.5
M22 × 1		TB854776	TC854776	TD854776	20	125	50	18	14.5	17	4	21

* The other coating(TiCN or TiAlN) is available on your request.

► NEXT PAGE

Unit : N/mm²

◎ : Excellent ○ : Good

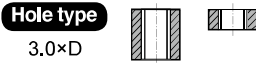
Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si < 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13

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

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

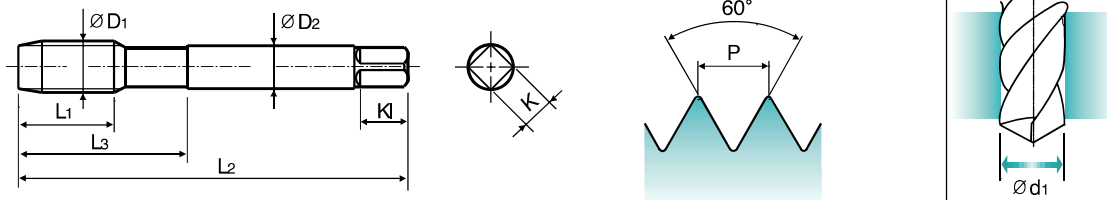
► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Material groups **MU**

HSS-E
DIN 374
6H
60°
B
Vap Bright TiN

Machine taps
Maschinengewindebohrer



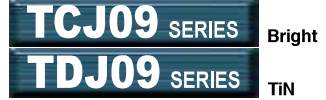
SIZE	Pitch	EDP No.			Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Vap	Bright	TiN								
ØD1	P				L1	L2	L3	ØD2	K	KI	Z	Ød1
M24 × 2		TB854796	TC854796	TD854796	27	140	54	18	14.5	17	4	22
M24 × 1.5		TB854806	TC854806	TD854806	27	140	54	18	14.5	17	4	22.5
M26 × 1.5		TB854856	TC854856	TD854856	28	140	54	18	14.5	17	4	24.5
M27 × 2		TB854876	TC854876	TD854876	28	140	54	20	16	19	4	25
M27 × 1.5		TB854886	TC854886	TD854886	28	140	54	20	16	19	4	25.5
M28 × 1.5		TB854916	TC854916	TD854916	28	140	54	20	16	19	4	26.5
M30 × 2		TB854966	TC854966	TD854966	30	150	57	22	18	21	4	28
M30 × 1.5		TB854976	TC854976	TD854976	30	150	57	22	18	21	4	28.5

Unit : mm

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm² ◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

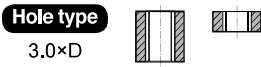


MF ISO Metric fine threads DIN 13

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

► 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.



HSS-E

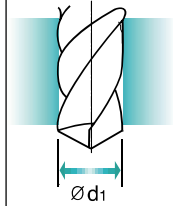
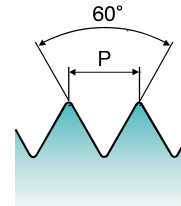
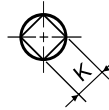
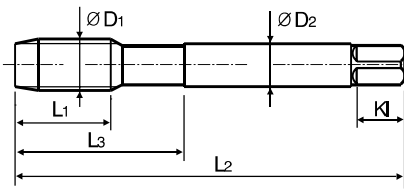
DIN 374

6G



Bright TiN

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
ØD1	P			L1	L2	L3	ØD2	K	KI	Z	Ød1
M4 × 0.5		TCJ09256	TDJ09256	10	63	21	2.8	2.1	5	3	3.5
M5 × 0.5		TCJ09296	TDJ09296	11	70	25	3.5	2.7	6	3	4.5
M6 × 0.75		TCJ09326	TDJ09326	13	80	30	4.5	3.4	6	3	5.2
M6 × 0.5		TCJ09336	TDJ09336	13	80	30	4.5	3.4	6	3	5.5
M7 × 0.75		TCJ09356	TDJ09356	14	80	30	5.5	4.3	7	3	6.2
M8 × 1		TCJ09376	TDJ09376	17	90	36	6	4.9	8	3	7
M8 × 0.75		TCJ09386	TDJ09386	14	80	36	6	4.9	8	3	7.2
M10 × 1.25		TCJ09436	TDJ09436	22	100	40	7	5.5	8	3	8.8
M10 × 1		TCJ09446	TDJ09446	18	90	40	7	5.5	8	3	9
M10 × 0.75		TCJ09456	TDJ09456	18	90	40	7	5.5	8	3	9.2
M12 × 1.5		TCJ09516	TDJ09516	22	100	40	9	7	10	3	10.5
M12 × 1.25		TCJ09526	TDJ09526	22	100	40	9	7	10	3	10.8
M12 × 1		TCJ09536	TDJ09536	18	100	40	9	7	10	3	11
M14 × 1.5		TCJ09556	TDJ09556	22	100	40	11	9	12	3	12.5
M14 × 1.25		TCJ09566	TDJ09566	22	100	40	11	9	12	3	12.8
M14 × 1.0		TCJ09576	TDJ09576	22	100	40	11	9	12	3	13
M16 × 1.5		TCJ09616	TDJ09616	22	100	40	12	9	12	3	14.5
M16 × 1		TCJ09626	TDJ09626	18	100	40	12	9	12	3	15
M18 × 1.5		TCJ09676	TDJ09676	25	110	44	14	11	14	4	16.5
M18 × 1		TCJ09686	TDJ09686	20	110	44	14	11	14	4	17
M20 × 1.5		TCJ09726	TDJ09726	25	125	50	16	12	15	4	18.5
M20 × 1		TCJ09736	TDJ09736	20	125	50	16	12	15	4	19
M22 × 1.5		TCJ09766	TDJ09766	25	125	50	18	14.5	17	4	20.5
M22 × 1		TCJ09776	TDJ09776	20	125	50	18	14.5	17	4	21

* The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

► NEXT PAGE

Unit : N/mm²

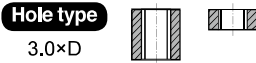
◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13
 Metrisches ISO-Feingewinde DIN 13
 ISO MÉTRIQUE PAS FINS DIN13
 ISO Metrico passo grosso DIN 13

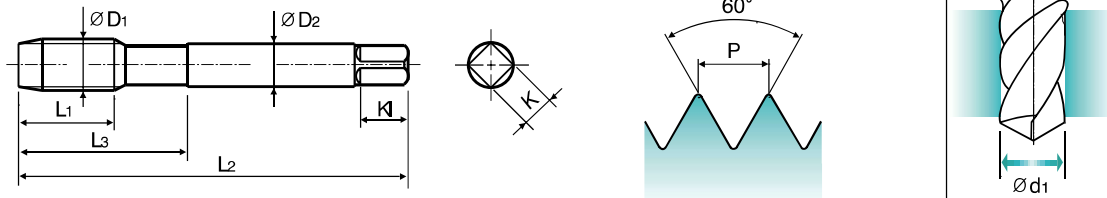
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

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



Material groups **MU** HSS-E DIN 374 6G 60° B Bright TiN

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
ØD1	P			L1	L2	L3	ØD2	K	KI	Z	Ød1
M24 × 2		TCJ09796	TDJ09796	27	140	54	18	14.5	17	4	22
M24 × 1.5		TCJ09806	TDJ09806	27	140	54	18	14.5	17	4	22.5
M26 × 1.5		TCJ09856	TDJ09856	28	140	54	18	14.5	17	4	24.5
M27 × 2		TCJ09876	TDJ09876	28	140	54	20	16	19	4	25
M27 × 1.5		TCJ09886	TDJ09886	28	140	54	20	16	19	4	25.5
M28 × 1.5		TCJ09916	TDJ09916	28	140	54	20	16	19	4	26.5
M30 × 2		TCJ09966	TDJ09966	30	150	57	22	18	21	4	28
M30 × 1.5		TCJ09976	TDJ09976	30	150	57	22	18	21	4	28.5

* The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

Unit : N/mm² ◎ : Excellent ○ : Good

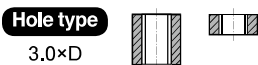
Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

- Metrisches ISO-Gewinde DIN 13**
- ISO MÉTRIQUE DIN13, AVEC ARROSAGE CENTRAL**
- ISO Metrico passo grosso DIN 13**

► 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.



with Internal Coolant



HSS-E

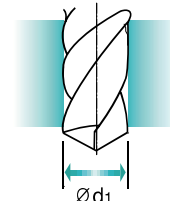
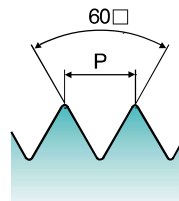
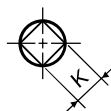
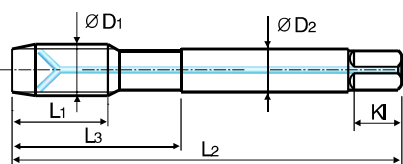
DIN 371/376

6H



Bright

Machine taps
Maschinengewindebohrer



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	Bright	L1	L2	L3	ØD2	K	K1	Z	Ød1
M6 × 1		TC814316IC	17	80	30	6	4.9	8	3	5
M8 × 1.25		TC814366IC	20	90	35	8	6.2	9	3	6.8
M10 × 1.5		TC814426IC	22	100	39	10	8	11	3	8.5
M12 × 1.75		TC814506IC	24	110	44	9	7	10	3	10.2
M14 × 2		TC814546IC	26	110	44	11	9	12	3	12
M16 × 2		TC814606IC	27	110	44	12	9	12	3	14
M18 × 2.5		TC814656IC	30	125	50	14	11	14	4	15.5
M20 × 2.5		TC814706IC	32	140	54	16	12	15	4	17.5

► DIN371 (M6~M10) and DIN376 (M12~M20)

* Coating(TiN, TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

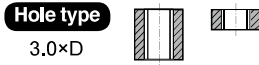
Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

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

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

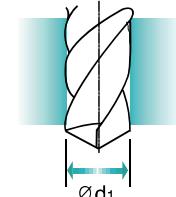
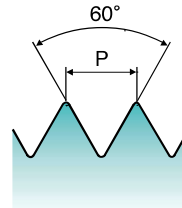
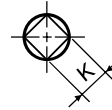
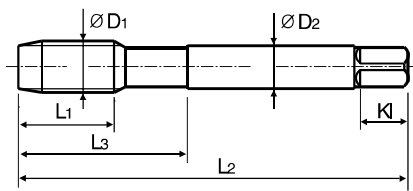
► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Long Shank

MU HSS-E LONG 6H 60° B Bright

Machine taps
Maschinengewindebohrer



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	Bright	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3 × 0.5		TC445206	11	100	18	3.5	2.7	6	3	2.5
M4 × 0.7		TC445246	13	125	21	4.5	3.4	6	3	3.3
M5 × 0.8		TC445286	15	140	25	6	4.9	8	3	4.2
M6 × 1		TC445316	17	160	30	6	4.9	8	3	5
M8 × 1.25		TC445366	20	180	35	6	4.9	8	3	6.8
M10 × 1.5		TC445426	22	200	39	7	5.5	8	3	8.5
M12 × 1.75		TC445506	24	220	44	9	7	10	3	10.2
M14 × 2		TC445546	26	220	44	11	9	12	3	12
M16 × 2		TC445606	27	220	44	12	9	12	3	14
M20 × 2.5		TC445706	32	280	54	16	12	15	4	17.5

* Coating(TiN, TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

THREAD MILLS

CARBIDE TAPS

PRIME TAPS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

COLD FORMING TAPS

NUT TAPS

STI TAPS

HAND TAPS

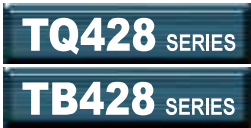
PIPE TAPS

TECHNICAL DATA

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
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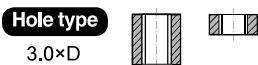


M ISO Metric coarse threads DIN 13

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

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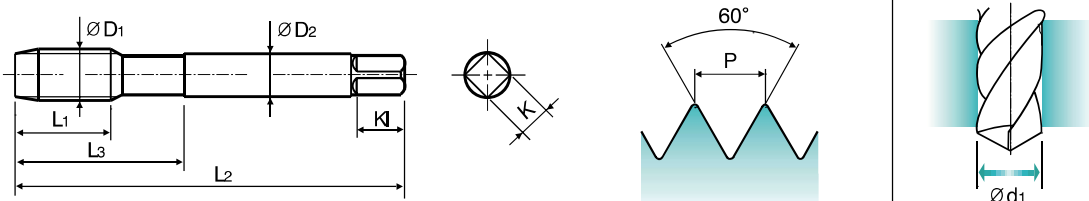
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Material groups **VA** up to M12 over M12

HSS-PM **HSS-E** **DIN 371/376** **6H** **60°** **B** **Vap**

Machine taps
Maschinengewindebohrer



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	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	× 0.4	TQ428136	8	45	13	2.8	2.1	5	3	1.6
M2.2	× 0.45	TQ428156	8	45	13	2.8	2.1	5	3	1.75
M2.3	× 0.4	TQ428196	8	45	13	2.8	2.1	5	3	1.9
M2.5	× 0.45	TQ428176	9	50	15	2.8	2.1	5	3	2.05
M2.6	× 0.45	TQ428496	9	50	15	2.8	2.1	5	3	2.1
M3	× 0.5	TQ428206	11	56	18	3.5	2.7	6	3	2.5
M3.5	× 0.6	TQ428226	12	56	20	4	3	6	3	2.9
M4	× 0.7	TQ428246	13	63	21	4.5	3.4	6	3	3.3
M4.5	× 0.75	TQ428266	14	70	25	6	4.9	8	3	3.7
M5	× 0.8	TQ428286	15	70	25	6	4.9	8	3	4.2
M6	× 1	TQ428316	17	80	30	6	4.9	8	3	5
M7	× 1	TQ428346	17	80	30	7	5.5	8	3	6
M8	× 1.25	TQ428366	20	90	35	8	6.2	9	3	6.8
M9	× 1.25	TQ428396	20	90	35	9	7	10	3	7.8
M10	× 1.5	TQ428426	22	100	39	10	8	11	3	8.5
M11	× 1.5	TQ428466	22	100	40	8	6.2	9	3	9.5
M12	× 1.75	TQ428506	24	110	44	9	7	10	3	10.2
M14	× 2	TB428546	26	110	44	11	9	12	3	12
M16	× 2	TB428606	27	110	44	12	9	12	3	14
M18	× 2.5	TB428656	30	125	50	14	11	14	4	15.5
M20	× 2.5	TB428706	32	140	54	16	12	15	4	17.5
M22	× 2.5	TB428746	32	140	54	18	14.5	17	4	19.5
M24	× 3	TB428786	34	160	60	18	14.5	17	4	21
M27	× 3	TB428866	36	160	60	20	16	19	4	24
M30	× 3.5	TB428946	40	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) and DIN376 (M11~M30) ► HSS-PM(M2~M12/TQ428) and HSS-E(M14~M30/TB428)
* Coating(TiN, TiCN or TiAlN) is available on your request.

Unit : N/mm² ◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13

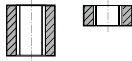
- Metrisches ISO-Feingewinde DIN 13
- ISO MÉTRIQUE PAS FINS DIN 13
- ISO Metrico passo grosso DIN 13

► For stainless steels and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für rostfreie stähle, genaue Gewindeprofile und lange Standzeitendank einer besonderen Schneidengeometrie. Von YG-1 patentiert.

Hole type

3,0×D



Material groups

VA

HSS-PM

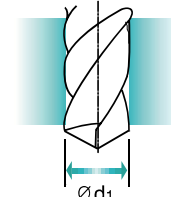
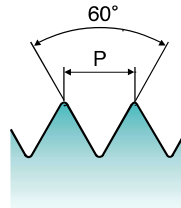
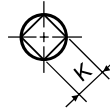
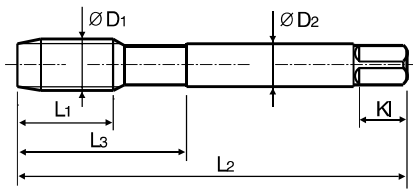
DIN 374

6H



Vap

Machine taps
Maschinengewindebohrer



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	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4 × 0.5		TQ438256	10	63	21	2.8	2.1	5	3	3.5
M5 × 0.5		TQ438296	11	70	25	3.5	2.7	6	3	4.5
M6 × 0.75		TQ438326	13	80	30	4.5	3.4	6	3	5.2
M6 × 0.5		TQ438336	13	80	30	4.5	3.4	6	3	5.5
M7 × 0.75		TQ438356	14	80	30	5.5	4.3	7	3	6.2
M8 × 1		TQ438376	17	90	36	6	4.9	8	3	7
M8 × 0.75		TQ438386	14	80	30	6	4.9	8	3	7.2
M10 × 1.25		TQ438436	22	100	40	7	5.5	8	3	8.8
M10 × 1		TQ438446	18	90	36	7	5.5	8	3	9
M10 × 0.75		TQ438456	18	90	36	7	5.5	8	3	9.2
M12 × 1.5		TQ438516	22	100	40	9	7	10	3	10.5
M12 × 1.25		TQ438526	22	100	40	9	7	10	3	10.8
M12 × 1		TQ438536	18	100	40	9	7	10	3	11

* Coating(TiN, TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
	○		○			◎	◎							
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
				○										

MF ISO Metric fine threads DIN 13

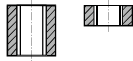
MF **Metrisches ISO-Feingewinde DIN 13**
ISO MÉTRIQUE PAS FINS DIN 13
ISO Metrico passo grosso DIN 13

► For stainless steels and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für rostfreie stähle, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.

Hole type

3.0×D



Material groups
VA

HSS-E

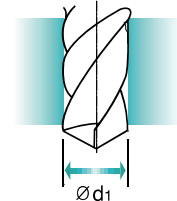
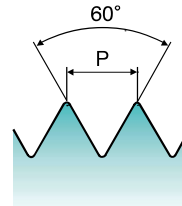
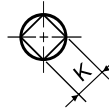
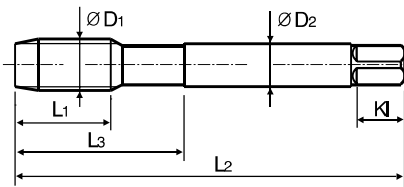
DIN 374

6H



Vap

Machine taps
Maschinengewindebohrer



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	L1	L2	L3	ØD2	K	K1	Z	Ød1
M14 × 1.5		TB438556	22	100	40	11	9	12	3	12.5
M14 × 1.25		TB438566	22	100	40	11	9	12	3	12.8
M14 × 1.0		TB438576	22	100	40	11	9	12	3	13
M16 × 1.5		TB438616	22	100	40	12	9	12	3	14.5
M16 × 1		TB438626	18	100	40	12	9	12	3	15
M18 × 1.5		TB438676	25	110	44	14	11	14	4	16.5
M18 × 1		TB438686	20	110	44	14	11	14	4	17
M20 × 1.5		TB438726	25	125	50	16	12	15	4	18.5
M20 × 1		TB438736	20	125	50	16	12	15	4	19
M22 × 1.5		TB438766	25	125	50	18	14.5	17	4	20.5
M22 × 1		TB438776	20	125	50	18	14.5	17	4	21
M24 × 2		TB438796	27	140	54	18	14.5	17	4	22
M24 × 1.5		TB438806	27	140	54	18	14.5	17	4	22.5
M26 × 1.5		TB438856	28	140	54	18	14.5	17	4	24.5
M27 × 2		TB438876	28	140	54	20	16	19	4	25
M27 × 1.5		TB438886	28	140	54	20	16	19	4	25.5
M28 × 1.5		TB438916	28	140	54	20	16	19	4	26.5
M30 × 2		TB438966	30	150	57	22	18	21	4	28
M30 × 1.5		TB438976	30	150	57	22	18	21	4	28.5

* Coating (TiN, TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	◎	◎							
Ti Alloy < 1300	Ni < 500	Ni Alloy < 900	Ni Alloy < 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si < 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
				○										

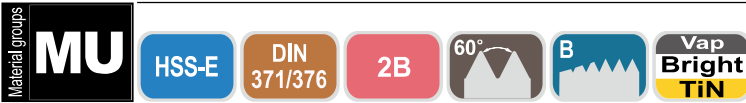
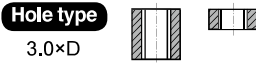
UNC

Unified coarse threads

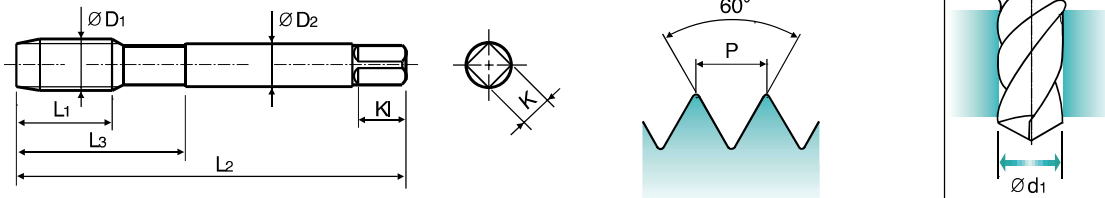
Unified Grobgewinde
 UNC
 Unificato passo grosso

► 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



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 - 40 UNC		TB834162	TC834162	TD834162	L1	L2	L3	ØD2	K	K1	Z	Ød1
#5 - 40 UNC		TB834202	TC834202	TD834202	11	56	18	3.5	2.7	6	3	2.3
#6 - 32 UNC		TB834242	TC834242	TD834242	12	56	20	4	3	6	3	2.85
#8 - 32 UNC		TB834282	TC834282	TD834282	13	63	21	4.5	3.4	6	3	3.5
#10 - 24 UNC		TB834322	TC834322	TD834322	15	70	25	6	4.9	8	3	3.9
#12 - 24 UNC		TB834362	TC834362	TD834362	16	80	30	6	4.9	8	3	4.5
1/4 - 20 UNC		TB834402	TC834402	TD834402	17	80	30	7	5.5	8	3	5.2
5/16 - 18 UNC		TB834442	TC834442	TD834442	20	90	35	8	6.2	9	3	6.6
3/8 - 16 UNC		TB834482	TC834482	TD834482	22	100	39	9	7	10	3	8
7/16 - 14 UNC		TB834522	TC834522	TD834522	22	100	40	8	6.2	9	3	9.4
1/2 - 13 UNC		TB834562	TC834562	TD834562	25	110	44	9	7	10	3	10.75
9/16 - 12 UNC		TB834602	TC834602	TD834602	26	110	44	11	9	12	3	12.25
5/8 - 11 UNC		TB834642	TC834642	TD834642	27	110	44	12	9	12	3	13.5
3/4 - 10 UNC		TB834702	TC834702	TD834702	30	125	50	14	11	14	4	16.5
7/8 - 9 UNC		TB834742	TC834742	TD834742	32	140	54	18	14.5	17	4	19.5
1 - 8 UNC		TB834782	TC834782	TD834782	36	160	60	20	16	19	4	22.25

► DIN371 (#4~3/8) and DIN376 (7/16~1)

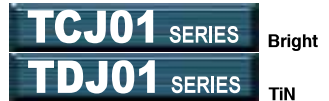
* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○			

CARBIDE

HSS



THREAD MILLS

CARBIDE TAPS

PRIME TAPS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

COLD FORMING TAPS

NUT TAPS

STI TAPS

HAND TAPS

PIPE TAPS

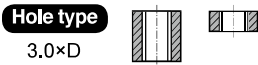
TECHNICAL DATA

UNC Unified coarse threads

- Unified Grobgewinde
- UNC
- 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 Standzeitendank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



HSS-E

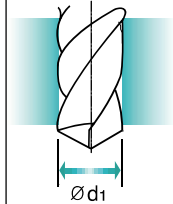
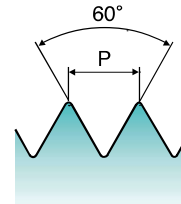
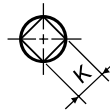
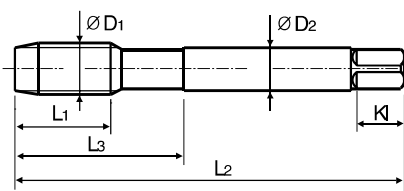
DIN 371/376

3B



Bright TiN

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	TPI	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
#4	- 40 UNC	TCJ01162	TDJ01162	L1	L2	L3	ØD2	K	KI	Z	Ød1
#5	- 40 UNC	TCJ01202	TDJ01202	11	56	18	3.5	2.7	6	3	2.3
#6	- 32 UNC	TCJ01242	TDJ01242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TCJ01282	TDJ01282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TCJ01322	TDJ01322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TCJ01362	TDJ01362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TCJ01402	TDJ01402	17	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TCJ01442	TDJ01442	20	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TCJ01482	TDJ01482	22	100	39	9	7	10	3	8
7/16	- 14 UNC	TCJ01522	TDJ01522	22	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TCJ01562	TDJ01562	25	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TCJ01602	TDJ01602	26	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TCJ01642	TDJ01642	27	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TCJ01702	TDJ01702	30	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TCJ01742	TDJ01742	32	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TCJ01782	TDJ01782	36	160	60	20	16	19	4	22.25

► DIN371 (#4~3/8) and DIN376 (7/16~1)

* The other coating(TiCN or TiAlN) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

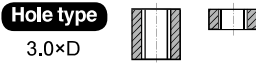
UNF

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.

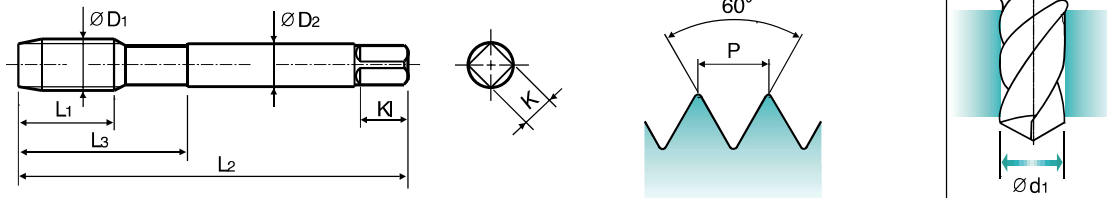
► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



Material groups

MU HSS-E DIN 371/374 2B 60° B Vap Bright TiN

Machine taps
Maschinengewindebohrer



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	L1	L2	L3	ØD2	K	K1	Z	Ød1
#5 - 44 UNF		TB874222	TC874222	TD874222	11	56	18	3.5	2.7	6	3	2.4
#6 - 40 UNF		TB874262	TC874262	TD874262	11	56	18	3.5	2.7	6	3	2.7
#8 - 36 UNF		TB874302	TC874302	TD874302	12	56	20	4	3	6	3	3
#10 - 32 UNF		TB874342	TC874342	TD874342	13	63	21	4.5	3.4	6	3	3.5
#12 - 28 UNF		TB874382	TC874382	TD874382	15	70	25	6	4.9	8	3	4.1
1/4 - 28 UNF		TB874422	TC874422	TD874422	16	80	30	6	4.9	8	3	4.7
5/16 - 24 UNF		TB874462	TC874462	TD874462	17	80	30	7	5.5	8	3	5.5
3/8 - 24 UNF		TB874502	TC874502	TD874502	17	90	35	8	6.2	9	3	6.9
7/16 - 20 UNF		TB874542	TC874542	TD874542	18	100	39	9	7	10	3	8.5
1/2 - 20 UNF		TB874582	TC874582	TD874582	22	100	40	8	6.2	9	3	9.9
9/16 - 18 UNF		TB874622	TC874622	TD874622	22	100	40	9	7	10	3	11.5
5/8 - 18 UNF		TB874662	TC874662	TD874662	22	100	40	11	9	12	3	12.9
3/4 - 16 UNF		TB874722	TC874722	TD874722	22	100	40	12	9	12	3	14.5
7/8 - 14 UNF		TB874762	TC874762	TD874762	25	110	44	14	11	14	4	17.5
1 - 12 UNF		TB874802	TC874802	TD874802	26	125	50	18	14.5	17	4	20.5
					28	140	54	20	16	19	4	23.25

► DIN371 (#4~3/8) and DIN374 (7/16~1)

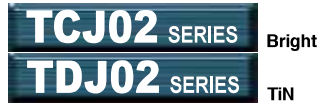
* The other coating (TiCN or TiAlN) is available on your request.

Unit : N/mm²

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy < 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

CARBIDE

HSS



THREAD MILLS

CARBIDE TAPS

PRIME TAPS

COMBO TAPS

SPIRAL FLUTE TAPS

SPIRAL POINT TAPS

STRAIGHT FLUTE TAPS

COLD FORMING TAPS

NUT TAPS

STI TAPS

HAND TAPS

PIPE TAPS

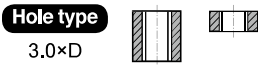
TECHNICAL DATA

UNF Unified fine threads

- Unified Grobgewinde
- UNC
- Unificato passo grosso

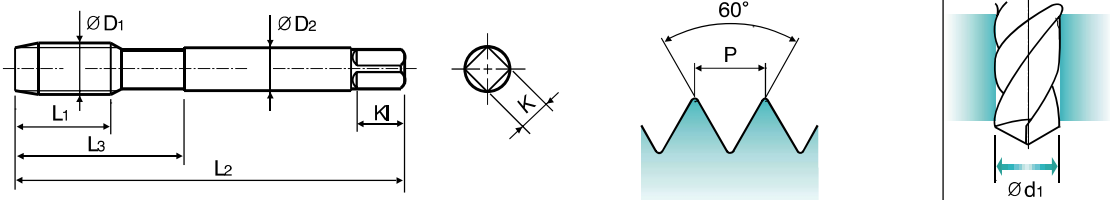
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Für vielfältigen Einsatz, genaue Gewindeprofile und lange Standzeit dank einer besonderen Schneidengeometrie. Von YG-1 patentiert.



- HSS-E
- DIN 371/374
- 3B
- 60°
- B
- Bright TiN

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	TPI	EDP No.		Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
		Bright	TiN								
#4	-48 UNF	TCJ02182	TDJ02182	L1	L2	L3	ØD2	K	KI	Z	Ød1
#5	-44 UNF	TCJ02222	TDJ02222	11	56	18	3.5	2.7	6	3	2.4
#6	-40 UNF	TCJ02262	TDJ02262	11	56	18	3.5	2.7	6	3	2.7
#8	-36 UNF	TCJ02302	TDJ02302	12	56	20	4	3	6	3	3
#10	-32 UNF	TCJ02342	TDJ02342	13	63	21	4.5	3.4	6	3	3.5
#12	-28 UNF	TCJ02382	TDJ02382	15	70	25	6	4.9	8	3	4.1
1/4	-28 UNF	TCJ02422	TDJ02422	16	80	30	6	4.9	8	3	4.7
5/16	-24 UNF	TCJ02462	TDJ02462	17	80	30	7	5.5	8	3	5.5
3/8	-24 UNF	TCJ02502	TDJ02502	17	90	35	8	6.2	9	3	6.9
7/16	-20 UNF	TCJ02542	TDJ02542	18	100	39	9	7	10	3	8.5
1/2	-20 UNF	TCJ02582	TDJ02582	22	100	40	8	6.2	9	3	9.9
9/16	-18 UNF	TCJ02622	TDJ02622	22	100	40	9	7	10	3	11.5
5/8	-18 UNF	TCJ02662	TDJ02662	22	100	40	11	9	12	3	12.9
3/4	-16 UNF	TCJ02722	TDJ02722	22	100	40	12	9	12	3	14.5
7/8	-14 UNF	TCJ02762	TDJ02762	25	110	44	14	11	14	4	17.5
1	-12 UNF	TCJ02802	TDJ02802	26	125	50	18	14.5	17	4	20.5
				28	140	54	20	16	19	4	23.25

► DIN371 (#4~3/8) and DIN374 (7/16~1)

* The other coating(TiCN or TiAlN) or Surface Treatment(Steam Homo) is available on your request.

Unit : N/mm²

◎ : Excellent ○ : Good

Steel < 400	Steel < 700	Steel < 850	St. Alloy < 850	St. Alloy ≤ 1200	St. Alloy > 1200	INOX Free < 850	INOX Aust. < 850	INOX < 1000	GG Cast < 500	GG Cast < 1000	GGG Cast < 700	GGG Cast < 1000	Ti < 700	Ti Alloy < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Ti Alloy ≤ 1300	Ni < 500	Ni Alloy < 900	Ni Alloy ≤ 1400	Cu < 350	Cu Alloy Short	Cu Alloy Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Wrought	Al Si ≤ 10%	Al Si > 10%	Plastic Thermosoft	Plastic Thermoset	Plastic FRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎