

YG SPIRAL FLUTE TAPS

TTS31 SERIES

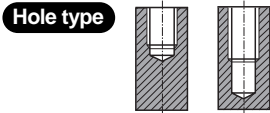
M ISO metric coarse threads DIN 13
Metrisches ISO-Gewinde DIN 13

► Suitable for high speed machining and high precision threads

► Geeignet für die High-Speed-Bearbeitung (HSC) und hoher Gewinde-Präzision



DIN 371/376

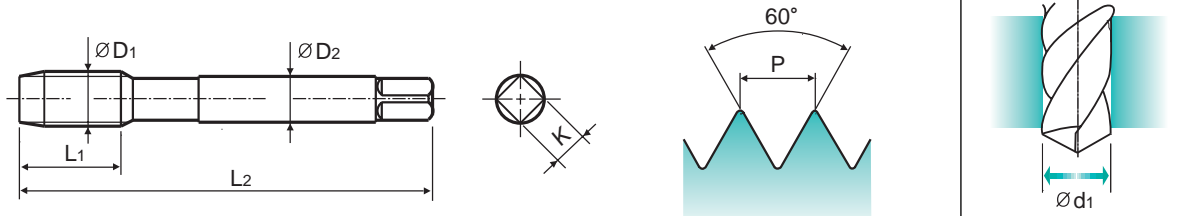


Hole type

Synchro Type Applicable to 2-3 times faster cutting speed than minimum general GS Taps cutting speeds

Material groups: **GS** **HSS-PM** **DIN 371/376** **6H** **60°** **C** **TiN** **R45**

Machine taps
Maschinengewindebohrer



SIZE	Pitch	EDP No.	Thread Length	Overall Length	Shank Diameter	Square Size	Tapping Drill Diameter
ØD1	P		L1	L2	ØD2	K	Ød1
M3	× 0.5	TTS31206	6	56	3.5	2.7	2.5
M4	× 0.7	TTS31246	7	63	4.5	3.4	3.3
M5	× 0.8	TTS31286	8	70	6	4.9	4.2
M6	× 1	TTS31316	10	80	6	4.9	5
M8	× 1.25	TTS31366	13	90	8	6.2	6.8
M10	× 1.5	TTS31426	15	100	10	8	8.5
M12	× 1.75	TTS31506	18	110	9	7	10.2
M14	× 2	TTS31546	20	110	11	9	12
M16	× 2	TTS31606	20	110	12	9	14
M18	× 2.5	TTS31656	25	125	14	11	15.5
M20	× 2.5	TTS31706	25	140	16	12	17.5

Unit : mm

- DIN371 (M3~M10) and DIN376 (M11~M20)
- Coating(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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YG SPIRAL POINT TAPS

TTS33 SERIES

M ISO metric coarse threads DIN 13
Metrisches ISO-Gewinde DIN 13

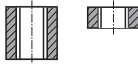
► Suitable for high speed machining and high precision threads

► Geeignet für die High-Speed-Bearbeitung (HSC) und hoher Gewinde-Präzision



DIN 371/376

Hole type

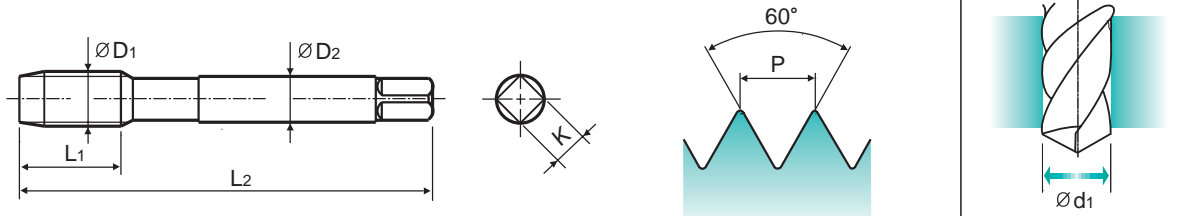


Synchro Type

Applicable to 2-3 times faster cutting speed than minimum general GS Taps cutting speeds

Material groups: **GS** **HSS-PM** **DIN 371/376** **6HX** **60°** **B** **TiN**

Machine taps
 Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.	Thread Length		Shank Diameter	Square Size	Tapping Drill Diameter
			L1	L2			
M3	× 0.5	TTS33206	11	56	ØD2 3.5	K 2.7	Ød1 2.5
M4	× 0.7	TTS33246	13	63	4.5	3.4	3.3
M5	× 0.8	TTS33286	15	70	6	4.9	4.2
M6	× 1.0	TTS33316	17	80	6	4.9	5
M8	× 1.25	TTS33366	20	90	8	6.2	6.8
M10	× 1.5	TTS33426	22	100	10	8	8.5
M12	× 1.75	TTS33506	24	110	9	7	10.2
M14	× 2.0	TTS33546	26	110	11	9	12
M16	× 2.0	TTS33606	27	110	12	9	14
M18	× 2.5	TTS33656	30	125	14	11	15.5
M20	× 2.5	TTS33706	32	140	16	12	17.5

► DIN371 (M3~M10) and DIN376 (M11~M20)

► Coating(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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STRAIGHT FLUTE TAPS

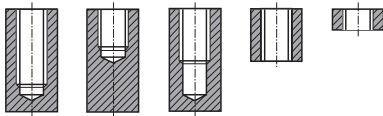
TKS35 SERIES

M ISO metric coarse threads DIN 13 Metrisches ISO-Gewinde DIN 13

► Suitable for high speed machining and high precision threads

► Geeignet für die High-Speed-Bearbeitung (HSC) und hoher Gewinde-Präzision

Hole type



DIN 371/376

Synchro Type

Applicable to 2-3 times faster cutting speed than minimum general GS Taps cutting speeds

Material groups **GS**

HSS-PM

DIN 371/376

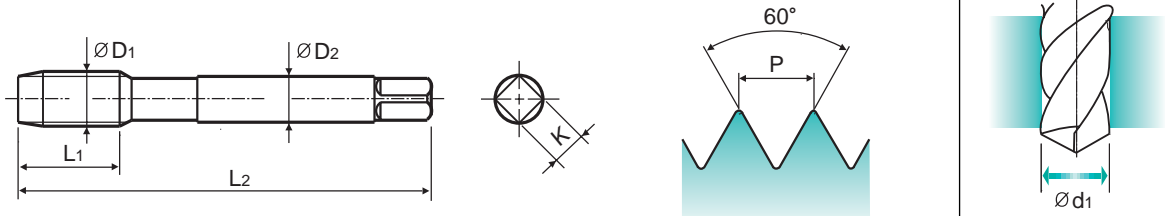
6HX

60°

C

TiCN

Machine taps
Maschinengewindebohrer



Unit : mm

SIZE	Pitch	EDP No.	Thread Length	Overall Length	Shank Diameter	Square Size	Tapping Drill Diameter
ØD1	P		L1	L2	ØD2	K	Ød1
M3	× 0.5	TKS35206	11	56	3.5	2.7	2.5
M4	× 0.7	TKS35246	13	63	4.5	3.4	3.3
M5	× 0.8	TKS35286	15	70	6	4.9	4.2
M6	× 1.0	TKS35316	17	80	6	4.9	5
M8	× 1.25	TKS35366	20	90	8	6.2	6.8
M10	× 1.5	TKS35426	22	100	10	8	8.5
M12	× 1.75	TKS35506	24	110	9	7	10.2
M14	× 2.0	TKS35546	26	110	11	9	12
M16	× 2.0	TKS35606	27	110	12	9	14
M18	× 2.5	TKS35656	30	125	14	11	15.5
M20	× 2.5	TKS35706	32	140	16	12	17.5

► DIN371 (M3~M10) and DIN376 (M11~M20)

► Coating(TiAIN) 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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COLD FORMING TAPS

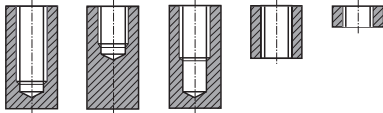
TTS37 SERIES

M ISO metric coarse threads DIN 13 Metrisches ISO-Gewinde DIN 13

► Suitable for high speed machining and high precision threads

► Geeignet für die High-Speed-Bearbeitung (HSC) und hoher Gewinde-Präzision

Hole type



DIN 371/376

Synchro Type

Applicable to 2-3 times faster cutting speed than minimum general GS Taps cutting speeds

Material groups **GS**

HSS-PM

DIN 371/376

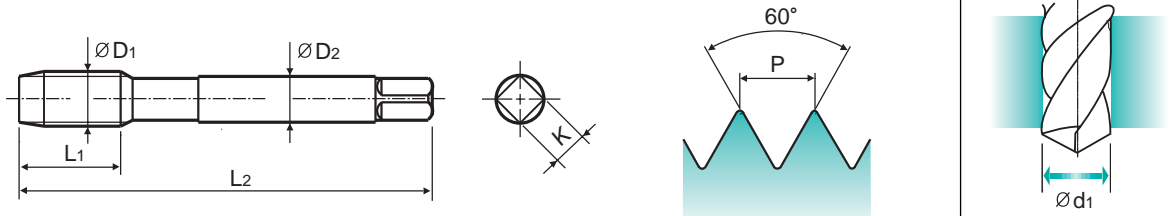
6HX

60°

C

TiN

Machine taps
Maschinengewindebohrer



SIZE	Pitch	EDP No.	Thread Length	Overall Length	Shank Diameter	Square Size	Tapping Drill Diameter
ØD1	P		L1	L2	ØD2	K	Ød1
M3	× 0.5	TTS37206	6	56	3.5	2.7	2.5
M4	× 0.7	TTS37246	7	63	4.5	3.4	3.3
M5	× 0.8	TTS37286	8	70	6	4.9	4.2
M6	× 1.0	TTS37316	10	80	6	4.9	5
M8	× 1.25	TTS37366	13	90	8	6.2	6.8
M10	× 1.5	TTS37426	15	100	10	8	8.5
M12	× 1.75	TTS37506	18	110	9	7	10.2

► DIN371 (M3~M10) and DIN376 (M11~M12)

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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