

MASCHIATURA

■ MASCHI MD

FRESE A FILETTARE
(Con & senza fori di refrigerazione)

MASCHI IN METALLO DURO

■ MASCHI HSS

PRIME TAPS
(Per fori ciechi & fori passanti)

COMBO TAPS
(Per fori ciechi & fori passanti)

MASCHI PER FORI CIECHI

MASCHI PER FORI PASSANTI

MASCHI AD ELICA DRITTA

MASCHI A RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHI A MANO

MASCHI PER TUBI

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MASCHI A MACCHINA - MD

MASCHI A MACCHINA - HSS

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FRESE A FILETTARE (con & senza fori di refrigerazione)

Filettatura di una vasta gamma di materiali anche con esecuzione di smussi.

FRESE A
FILETTARE

MASCHI MD

Elevate prestazioni e produttività su: Ghise e Leghe di alluminio al silicio

MASCHI
MD

PRIME TAPS (Fori ciechi & Fori passanti)

Applicazioni generali su una vasta gamma di materiali - Brevetto YG - 1 (HSS - PM)

PRIME
TAPS

COMBO TAPS (Fori ciechi & Fori passanti)

Applicazioni generali su una vasta gamma di materiali - Brevetto YG - 1 (HSS - E)

MASCHI
COMBO

MASCHI FORI CIECHI

(HSS - E & HSS - PM)

MASCHI FORI
CIECHI

MASCHI FORI PASSANTI - IMBOCCO CORRETTO

(HSS - E & HSS - PM)

MASCHI FORI
PASSANTI

MASCHI ELICA DRITTA - FORI PASSANTI

Maschiatura di fori poco profondi su: Ghisa, Acciai basso legati, Ottone. (HSS - E)

MASCHI
ELICA DRITTA

MASCHI A RULLARE

Maschiatura di materiali a facile deformabilità (HSS - E & HSS - PM)

MASCHI A
RULLARE

MASCHI PER DADI

(HSS - E)

MASCHI PER
DADI

MASCHI PER HELICOIL

(HSS - E)

MASCHI PER
HELICOIL

MASCHI A MANO

Applicazioni generali (HSS & HSS - E)

MASCHI A
MANO

MASCHI PER TUBI

Whitworth (HSS & HSS - E)


MASCHI PER
TUBI



FRESE A FILETTARE MD

CODICE	FOTO		DESCRIZIONE	PAG.
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Frese a filettare

L1211		M	Solid Carbide Thread Mill for ISO Metric Internal Thread - DIN13 Filettature interne, ISO Metriche, Passo Grosso - DIN 13	354
L1212		MF	Solid Carbide Thread Mill for ISO Metric Internal Thread - DIN 13 Filettature interne, ISO Metriche, Passo Fine - DIN 13	355
L1213		UNC	Solid Carbide Thread Mill for UNC Internal Thread - ANSI B 1.1 Filettature interne, Unificato, Passo Grosso - ANSI B 1.1	356
L1214		UNF	Solid Carbide Thread Mill for UNF Internal Thread - ANSI B 1.1 Filettature interne, Unificato, Passo Fine - ANSI B 1.1	357

Frese a filettare con fori di lubrificazione

L4211		M	Solid Carbide Thread Mill with Coolant Hole for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione, Filettature interne, ISO Metriche, Passo Grosso - DIN 13	358
L4212		MF	Solid Carbide Thread Mill with Coolant Hole for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione, Filettature interne, ISO Metriche, Passo Fine - DIN 13	359
L6215		BSP(G)	Solid Carbide Thread Mill with Coolant Hole for BSP(G) Internal/External Thread Con fori di lubrificazione, Filettature interne ed esterne, BSP(G)	360

Frese a filettare con fori di lubrificazione & taglienti per smussi

L4271		M	Solid Carbide Thread Mill with Coolant Hole & Chamfer for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione e taglienti per smussi, Filettature interne, ISO Metriche - DIN 13	361
L4272		MF	Solid Carbide Thread Mill with Coolant Hole & Chamfer for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione e taglienti per smussi, Filettature interne, ISO Metriche, Passo Fine - DIN 13	362
L4273		UNC	Solid Carbide Thread Mill with Coolant Hole & Chamfer for UNC Internal Thread - ANSI B 1.1 Con fori di lubrificazione e taglienti per smussi, Filettature interne, Unificato, Passo Grosso - ANSI B 1.1	363
L4274		UNF	Solid Carbide Thread Mill with Coolant Hole & Chamfer for UNF Internal Thread - ANSI B 1.1 Con fori di lubrificazione e taglienti per smussi, Filettature interne, Unificato, Passo Fine - ANSI B 1.1	364
L4276		NPT	Solid Carbide Thread Mill with Coolant Hole & Chamfer for NPT Thread - ANSI B 1.20.1 Con fori di lubrificazione e taglienti per smussi - Filettature NPT - ANSI B 1.20.1	365

Mini-frese a filettare

L12D1		M	Solid Carbide Miniature Thread Mill for ISO Metric Internal Thread - DIN13 Mini frese per filettature interne ISO Metriche Passo Grosso - DIN13	366
L12D3		UNC	Solid Carbide Miniature Thread Mill for UNC Internal Thread - ANSI B 1.1 Mini frese per filettature interne Unificato Passo Grosso - ANSI B 1.1	367
L19E1		M	Solid Carbide Miniature Thread Mill for Hard Materials, ISO Metric Internal Thread - DIN13 Mini frese per Acciai temprati ISO Metriche Passo Grosso - DIN13	368
L19E3		UNC	Solid Carbide Miniature Thread Mill for Hard Materials, UNC Internal Thread - ANSI B 1.1 Mini frese per Acciai temprati Unificato Passo Grosso - ANSI B 1.1	369

Frese fora, filetta e smussa

L41A1 L42A1		M	Solid Carbide Drill and Thread Mill with Chamfer for ISO Metric Internal Thread - DIN 13 Fresa Fora, Filetta e Smussa , Filettature interne, ISO Metriche Passo Grosso - DIN 13	370
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GUIDA ALLA SELEZIONE

⊙ : Specifico
○ : Adatto

P			H	M	K	N	S	
Acciai al carbonio	Acciai legati	Acciai termicamente trattati	Acciai temprati	Acciai Inox	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel

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GUIDA ALLA SELEZIONE

MASCHI MD

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
T0993		MD	M	GG	DIN 371/376	6HX	C	2.0D	Lucido	375
T0997-TIC		MD	M	HR	DIN 371/376	6HX	C	2.0D	TiCN	376
T0999-TIC		MD	M	HR	DIN 371/376	6HX	D	2.0D	TiCN	377








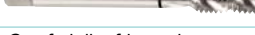




PRIME TAPS

● FORI CIECHI ● FORI PASSANTI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
● TRE03		HSS-PM	M	MU	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	381
● TRE04		HSS-PM	MF	MU	DIN 374	ISO 2/6H	C	2.5D	Lucido	382
● TRE13		HSS-PM	UNC	MU	DIN 371/376	2B	C	2.5D	Lucido	384
● TRE14		HSS-PM	UNF	MU	DIN 371/374	2B	C	2.5D	Lucido	385
● TRJ03		HSS-PM	M	MU	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	386
● TRJ04		HSS-PM	MF	MU	DIN 374	ISO 2/6H	B	3.0D	Lucido	387
● TRJ13		HSS-PM	UNC	MU	DIN 371/376	2B	B	3.0D	Lucido	389
● TRJ14		HSS-PM	UNF	MU	DIN 371/374	2B	B	3.0D	Lucido	390













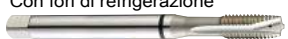








COMBO TAPS

● FORI CIECHI ● FORI PASSANTI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
● TBE05 TCE05 TDE05		HSS-E	M	MU	DIN371/376	ISO 1/4H	C	2.5D	Vap Lucido TiN	394
● TB804 TC804 TD804		HSS-E	M	MU	DIN371/376	ISO 2/6H	C	2.5D	Vap Lucido TiN	395
● TBE06 TCE06 TDE06		HSS-E	M	MU	DIN371/376	6H+0.1	C	2.5D	Vap Lucido TiN	396
● TBE07 TCE07 TDE07		HSS-E	M	MU	DIN371/376	ISO 3/6G	C	2.5D	Vap Lucido TiN	397
● TBE08 TCE08 TDE08		HSS-E	M	MU	DIN371/376	7G	C	2.5D	Vap Lucido TiN	398
● TB844 TC844 TD844		HSS-E	MF	MU	DIN374	ISO 2/6H	C	2.5D	Vap Lucido TiN	399
● TCE09 TDE09		HSS-E	MF	MU	DIN374	ISO 3/6G	C	2.5D	Lucido TiN	401
● TC804-IC	Con fori di refrigerazione 	HSS-E	M	MU	DIN371/376	ISO 2/6H	C	2.5D	Lucido	403
● TC807		HSS-E	M	MU	DIN371/376	ISO 2/6H	E	2.5D	Lucido	404
● TC633		HSS-E	M	MU	LONG	ISO 2/6H	C	2.5D	Lucido	405
● TQ744 TB744		HSS-PM HSS-E	M	VA	DIN371/376	ISO 2/6H	C	2.5D	Vap	406
● TQ754		HSS-PM	MF	VA	DIN374	ISO 2/6H	C	2.5D	Vap	407

COMBO TAPS

● FORI CIECHI ● FORI PASSANTI







CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
● TB754		HSS-E	MF	VA	DIN374	ISO 2/6H	C	2.5D	Vap	408
● TB824 TC824 TD824		HSS-E	UNC	MU	DIN371/376	2B	C	2.5D	Vap Lucido TiN	409
● TCE01 TDE01		HSS-E	UNC	MU	DIN371/376	3B	C	2.5D	Lucido TiN	410
● TB864 TC864 TD864		HSS-E	UNF	MU	DIN371/374	2B	C	2.5D	Vap Lucido TiN	411
● TCE02 TDE02		HSS-E	UNF	MU	DIN371/374	3B	C	2.5D	Lucido TiN	412
● TBJ05 TCJ05 TDJ05		HSS-E	M	MU	DIN371/376	ISO 1/4H	B	3.0D	Vap Lucido TiN	413
● TB814 TC814 TD814		HSS-E	M	MU	DIN371/376	ISO 6H	B	3.0D	Vap Lucido TiN	414
● TBJ06 TCJ06 TDJ06		HSS-E	M	MU	DIN371/376	6H+0.1	B	3.0D	Vap Lucido TiN	415
● TBJ07 TCJ07 TDJ07		HSS-E	M	MU	DIN371/376	ISO 3/6G	B	3.0D	Vap Lucido TiN	416
● TBJ08 TCJ08 TDJ08		HSS-E	M	MU	DIN371/376	7G	B	3.0D	Vap Lucido TiN	417
● TB854 TC854 TD854		HSS-E	MF	MU	DIN374	ISO 2/6H	B	3.0D	Vap Lucido TiN	418
● TCJ09 TDJ09		HSS-E	MF	MU	DIN374	ISO 3/6G	B	3.0D	Lucido TiN	420
● TC814-IC	Con fori di refrigerazione 	HSS-E	M	MU	DIN371/376	ISO 2/6H	B	3.0D	Lucido	422
● TC445	Gambo lungo 	HSS-E	M	MU	LONG	ISO 2/6H	B	3.0D	Lucido	423
● TQ428 TB428		HSS-PM HSS-E	M	VA	DIN371/376	ISO 2/6H	B	3.0D	Vap	424
● TQ438		HSS-PM	MF	VA	DIN374	ISO 2/6H	B	3.0D	Vap	425
● TB438		HSS-E	MF	VA	DIN374	ISO 2/6H	B	3.0D	Vap	426
● TB834 TC834 TD834		HSS-E	UNC	MU	DIN371/376	2B	B	3.0D	Vap Lucido TiN	427
● TCJ01 TDJ01		HSS-E	UNC	MU	DIN371/376	3B	B	3.0D	Lucido TiN	428
● TB874 TC874 TD874		HSS-E	UNF	MU	DIN371/374	2B	B	3.0D	Vap Lucido TiN	429
● TCJ02 TDJ02		HSS-E	UNF	MU	DIN371/374	3B	B	3.0D	Lucido TiN	430

MASCHI FORI CIECHI

◆ SYNCHRO TYPE








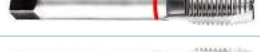



















CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
◆ TTS31		HSS-PM	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	TiN	434
TC612		HSS-E	M	GS	DIN 352	ISO 2/6H	C	2.5D	Lucido	435
TC517		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	436
TC711		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	437
TD711		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	TiN	438
TQ823		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Vap	439
TR823		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	440
TB312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Vap	441
TB913		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Vap	442
TC312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	443
TD312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	TiN	444
TY312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	TiAlN	445
TQ813		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	C	2.5D	Vap	446
TR813		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	447
TB313		HSS-E	M	HR	DIN 371/376	ISO 2/6H	C	2.5D	Vap	448
TC313		HSS-E	M	HR	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	449
TY313		HSS-E	M	HR	DIN 371/376	ISO 2/6H	C	2.5D	TiAlN	450
TBE15		HSS-E	M	VA NW	DIN 371/376	ISO 1/4H	C	2.5D	Vap	451
TB914 TI914		HSS-E	M	VA NW	DIN 371/376	ISO 2/6H	C	2.5D	VAP TiCN	452
TBE16		HSS-E	M	VA NW	DIN 371/376	6H+0.1	C	2.5D	Vap	453
TBE17		HSS-E	M	VA NW	DIN 371/376	ISO 3/6G	C	2.5D	Vap	454
TBE18		HSS-E	M	VA NW	DIN 371/376	7G	C	2.5D	Vap	455
TCH14		HSS-E	M	VA NW	DIN 371/376	ISO 2/6H	C	2.5D	Hardslick	456
TB711		HSS-E	M	NW	DIN 371/376	ISO 2/6H	C	2.5D	Vap	457
TM903		HSS-PM	M	Ti	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	458
TZ903		HSS-PM	M	Ti	DIN 371/376	ISO 2/6H	C	2.5D	TiAlN	459
TQ833		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	C	2.5D	Vap	460

MASCHI FORI CIECHI












CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
TR833		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	461
TM933		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	462
TZ933		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	C	2.5D	TiAlN	463
TC163		HSS-E	M	Al	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	464
TE953		HSS-E	M	Al	DIN 371/376	ISO 2/6H	C	2.5D	NI	465
TC411		HSS-E	MF	GS	DIN 374	ISO 2/6H	C	2.5D	Lucido	466
TD411		HSS-E	MF	GS	DIN 374	ISO 2/6H	C	2.5D	TiN	468
TC413		HSS-E	MF	VG	DIN 374	ISO 2/6H	C	2.5D	Lucido	470
TD413		HSS-E	MF	VG	DIN 374	ISO 2/6H	C	2.5D	TiN	471
TB183		HSS-E	MF	VA NW	DIN 374	ISO 2/6H	C	2.5D	Vap	472
TC963		HSS-E	MF	Al	DIN 374	ISO 2/6H	C	2.5D	Lucido	473
TC144		HSS-E	UNC	GS	DIN 371/376	2B	C	2.5D	Lucido	474
TC174		HSS-E	UNC	VG	DIN 371/376	2B	C	2.5D	Lucido	475
TD174		HSS-E	UNC	VG	DIN 371/376	2B	C	2.5D	TiN	476
TB904		HSS-E	UNC	VA NW	DIN 371/376	2B	C	2.5D	Vap	477
TC169		HSS-E	UNC	Al	DIN 371/376	2B	C	2.5D	Lucido	478
TC124		HSS-E	UNF	GS	DIN 371/374	2B	C	2.5D	Lucido	479
TC184		HSS-E	UNF	VG	DIN 371/374	2B	C	2.5D	Lucido	480
TB924		HSS-E	UNF	VA NW	DIN 371/374	2B	C	2.5D	Vap	481
TC170		HSS-E	UNF	Al	DIN 371/374	2B	C	2.5D	Lucido	482
TC134		HSS-E	BSW	GS	DIN 2182/2183	-	C	2.5D	Lucido	483

MASCHI FORI PASSANTI

◆ SYNCHRO TYPE















CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
TTS33		HSS-PM	M	GS	DIN 371/376	6HX	B	3.0D	TiN	488
TC122		HSS-E	M	GS	DIN 352	ISO 2/6H	B	3.0D	Lucido	489
TC211		HSS-E	M	GS	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	490
TC127		HSS-E	M	GS	DIN 371	ISO 2/6H	B	3.0D	Lucido	491
TC227		HSS-E	M	GS	DIN 376	ISO 2/6H	B	3.0D	Lucido	492
TD127		HSS-E	M	GS	DIN 371	ISO 2/6H	B	3.0D	TiN	493
TD227		HSS-E	M	GS	DIN 376	ISO 2/6H	B	3.0D	TiN	494
TQ863		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	Vap	495
TR863		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	496
TC422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	497
TE422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	NI	498
TD422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	TiN	499
TY422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	500
TQ853		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	B	3.0D	Vap	501
TR853		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	502
TC283		HSS-E	M	HR	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	503
TY283		HSS-E	M	HR	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	504
TB623		HSS-E	M	VA NW	DIN 371/376	6HX	B	3.0D	Vap	505
TCH23		HSS-E	M	VA NW	DIN 371/376	6HX	B	3.0D	Hardslick	506
TM293		HSS-PM	M-Az	Ti	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	507
TZ293		HSS-PM	M-Az	Ti	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	508
TQ873		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	B	3.0D	Vap	509
TR873		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	510
TM923		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	511
TZ923		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	512
TE943		HSS-E	M	Al	DIN 371/376	ISO 2/6H	B	3.0D	NI	513
TC622		HSS-E	M-Az	Al	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	514
TC222		HSS-E	MF	GS	DIN 374	ISO 2/6H	B	3.0D	Lucido	515
TD222		HSS-E	MF	GS	DIN 374	ISO 2/6H	B	3.0D	TiN	517

MASCHI FORI PASSANTI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
TC263		HSS-E	MF	VG	DIN 374	ISO 2/6H	B	3.0D	Lucido	519
TD263		HSS-E	MF	VG	DIN 374	ISO 2/6H	B	3.0D	TiN	520
TB123		HSS-E	MF	VA NW	DIN 374	6HX	B	3.0D	Vap	521
TC214		HSS-E	UNC	GS	DIN 371/376	2B	B	3.0D	Lucido	522
TC244		HSS-E	UNC	VG	DIN 371/376	2B	B	3.0D	Lucido	523
TD244		HSS-E	UNC	VG	DIN 371/376	2B	B	3.0D	TiN	524
TB264		HSS-E	UNC	VA NW	DIN 371/376	2B	B	3.0D	Vap	525
TC234		HSS-E	UNF	GS	DIN 371/374	2B	B	3.0D	Lucido	526
TC254		HSS-E	UNF	VG	DIN 371/374	2B	B	3.0D	Lucido	527
TB274		HSS-E	UNF	VA NW	DIN 371/374	2B	B	3.0D	Vap	528
TC224		HSS-E	BSW	GS	DIN 2182/2183	-	B	3.0D	Lucido	529















MASCHI ELICA DRITTA - Fori passanti

◆ SYNCHRO TYPE

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
◆ TKS35		HSS-PM	M	GS	DIN 371/376	6HX	C	2.0D	TiCN	533
TC463		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.0D	Lucido	534
TE821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	NI	535
TD821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	TiN	536
TY821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	TiAlN	537
TI821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	TiCN	538
TC433		HSS-E	M	Ms	DIN 371/376	ISO 2/6H	C	2.0D	Lucido	539
TE443		HSS-E	M	Ms	DIN 371/376	6HX	C	2.0D	NI	540
TY433		HSS-E	M	Ms	DIN 371/376	ISO 2/6H	C	2.0D	TiAlN	541
TC473		HSS-E	MF	GS	DIN 374	ISO 2/6H	C	2.0D	Lucido	542
TE403		HSS-E	MF	GG	DIN 374	6HX	C	2.0D	NI	543
TC424		HSS-E	UNC	GS	DIN 371/376	2B	C	2.0D	Lucido	544
TE434		HSS-E	UNC	GG	DIN 371/376	2BX	C	2.0D	NI	545
TE454		HSS-E	UNF	GG	DIN 371/374	2BX	C	2.0D	NI	546

MASCHI A RULLARE





◆ SYNCHRO TYPE

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
◆ TTS37		HSS-PM	M	GV	DIN 371/376	6HX	C	1.5D	TiN	549
TQ703		HSS-PM	M	GV	DIN 371/376	6HX	C	3.0D	Vap	550
TQ723		HSS-PM	M	GV	DIN 371/376	6HX	C	1.5D	Vap	551
TE703		HSS-E	M	GV	DIN 371/376	6HX	C	3.0D	NI	552
TE713		HSS-E	M	GV	DIN 371/376	6GX	C	3.0D	NI	553
TE723		HSS-E	M	GV	DIN 371/376	6HX	C	1.5D	NI	554
TD713		HSS-E	M	GV	DIN 371/376	6GX	C	3.0D	TiN	555
TD723		HSS-E	M	GV	DIN 371/376	6HX	C	1.5D	TiN	556
TD703		HSS-E	M	GV	DIN 371/376	6HX	C	3.0D	TiN	557
TY703		HSS-E	M	GV	DIN 371/376	6HX	C	3.0D	TiAlN	558
TE733		HSS-E	MF	GV	DIN 374	6HX	C	3.0D	NI	559
TD733		HSS-E	MF	GV	DIN 374	6HX	C	3.0D	TiN	560
TE704		HSS-E	UNC	GV	DIN 371/376	2BX	C	3.0D	NI	561
TD704		HSS-E	UNC	GV	DIN 371/376	2BX	C	3.0D	TiN	562

MASCHI PER DADI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
TC803		HSS-E	M	GS	DIN 357	ISO 2/6H	LONG	2.0D	Lucido	564

MASCHI PER HELICOIL






CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
TC973		HSS-E	EG-M	AI	DIN 371/376	6H Mod.	B	3.0D	Lucido	567
TC909		HSS-E	EG-M	AI	DIN 371/376	6H Mod.	C	2.5D	Lucido	568
TC934		HSS-E	EG-UNC	AI	DIN 371/376	2B	B	3.0D	Lucido	569
TC944		HSS-E	EG-UNC	AI	DIN 371/376	2B	C	2.5D	Lucido	570
TC954		HSS-E	EG-UNF	AI	DIN 371/374	2B	B	3.0D	Lucido	571

MASCHI A MANO

◇ terzo maschio della serie "T7109"

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
T7109		HSS	M	GS	DIN 352	ISO 2/6H	I / II / III	2.0D	Lucido	575
◇ T7109-8		HSS	M	GS	DIN 352	ISO 2/6H	III	2.0D	Lucido	576
T7343		HSS	M-LH	GS	DIN 352	ISO 2/6H	I / II / III	2.0D	Lucido	577
TC353		HSS-E	M	VG	DIN 352	ISO 2/6H	I / II / III	2.0D	Lucido	578
TB373		HSS-E	M	VA	DIN 352	6HX	I / II / III	2.0D	Vap	579
T7309		HSS	MF	GS	DIN 2181	ISO 2/6H	I / III	2.0D	Lucido	580
T7363		HSS	UNC	GS	DIN 351	2B	I / II / III	2.0D	Lucido	582
T7509		HSS	UNF	GS	DIN 2181	2B	I / III	2.0D	Lucido	583
T7609		HSS	BSW	GS	DIN 351	-	I / II / III	2.0D	Lucido	584

MASCHI PER TUBI - Whitworth

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof. filettatura	Trat. Superficiale	Pag.
T7709		HSS	G(BSP)	GS	DIN 5157	-	I / III	2.0D	Lucido	587
TC727		HSS-E	G(BSP)	GS	DIN 5156	-	B	3.0D	Lucido	588
TC728		HSS-E	G(BSP)	GS	DIN 5156	-	C	2.5D	Lucido	589
TC729		HSS-E	G(BSP)	VG	DIN 5156	-	C	2.5D	Lucido	590
TB514		HSS-E	G(BSP)	VA NW	DIN 5156	-	C	2.5D	Vap	591



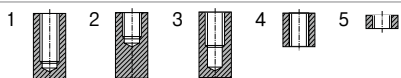
MASCHI A MACCHINA Parametri di taglio indicativi



USO RACCOMANDATO

⊙ = SPECIFICO

○ = ADATTO



GRUPPO MATERIALI

MU MU MU

DIN 371/376	M	CODICE (pag.)	TRE03 (P.381)	TRJ03 (P.386)	TC804 (P.395)
DIN 371/376	EG-M	CODICE (pag.)			
DIN 352	M	CODICE (pag.)			
DIN 374	MF	CODICE (pag.)	TRE04 (P.382)	TRJ04 (P.387)	TC844 (P.399)
DIN 371/376	UNC	CODICE (pag.)	TRE13 (P.384)	TRJ13 (P.389)	TC824 (P.409)
DIN 371/376	EG-UNC	CODICE (pag.)			
DIN 371/374	UNF	CODICE (pag.)	TRE14 (P.385)	TRJ14 (P.390)	TC864 (P.411)
DIN 371/376	EG-UNF	CODICE (pag.)			
DIN 2182/2183	BSW	CODICE (pag.)			
DIN 357/5156	M/G(BSP)	CODICE (pag.)			
LONG	M	CODICE (pag.)			
TRAT. SUPERFICIALE / RIVESTIMENTO			Lucido	Lucido	Lucido
ANGOLO D'ELICA			R40		R40
TIPO D'IMBOCCO			C	B	C
PROFONDITÀ DI FILETTATURA			2.5D	3.0D	2.5D
TIPO FORO			1-2-3	4-5	1-2-3

TIPO DI LUBRIFICAZIONE






















A = Olio da taglio

T = Olio emulsionabile

X = Olio da taglio / Olio emulsionabile

Z = A secco / Olio emulsionabile

GRUPPO MATERIALI		LISTA MATERIALI		DUREZZA	RESISTENZA A TRAZIONE	TIPO TRUCIOLO	VELOCITÀ DI TAGLIO	REFRIGERANTE	TIPO FORO		
				HB	Rm N/mm ²		Vc m/min		1-2-3	4-5	1-2-3
10. ACCIAI	11	Acciai < 400	Ferro amagnetico	< 120	< 400	Extra lungo	15-20	T	⊙	⊙	⊙
	12	Acciai < 700	Acciai da costruzione, cementazione	< 200	< 700	Medio / Lungo	15-20	T	⊙	⊙	⊙
	13	Acciai < 850	Acciai per strutture, profilati	< 250	< 850	Lungo	12-18	T	⊙	⊙	⊙
	14	Acciai legati < 850	Acciai a basso tenore di C	< 250	< 850	Lungo	10-15	X	⊙	⊙	⊙
	15	Acciai legati ≤ 1,200	Acciai legati - Bonificati	< 350	≤ 1,200	Lungo	6-10	X	⊙	⊙	⊙
	16	Acciai legati > 1,200	Acciai legati - Bonificati	> 350	> 1,200	Lungo	3-5	A			
20. ACCIAI INOX	21	INOX < 850	A facile lavorabilità	< 250	< 850	Medio	7-10	A	⊙	⊙	⊙
	22	INOX Aust. < 850	Austenitico	< 250	< 850	Lungo	5-8	A	⊙	⊙	⊙
	23	INOX < 1,000	Ferritico, Ferritico/Austen. - Martensitico	< 300	< 1,000	Lungo	4-6	A	⊙	⊙	⊙
30. GHISA	31	GG Ghisa < 500	Ghisa grigia	< 150	< 500	Extra corto	10-15	X	⊙	⊙	⊙
	32	GG Ghisa < 1,000	Ghisa grigia	< 300	< 1,000	Extra corto	5-8	T	⊙	⊙	⊙
	33	GGG Ghisa < 700	Grafite nodulare, Ghisa malleabile	< 200	< 700	Corto	10-15	X	⊙	⊙	⊙
	34	GGG Ghisa < 1,000	Grafite nodulare, Ghisa malleabile	< 300	< 1,000	Corto	5-8	X	⊙	⊙	⊙
40. TITANIO	41	Ti < 700	Titanio	< 200	< 700	Extra lungo	10-15	T	⊙	⊙	⊙
	42	Ti Leghe < 900	Leghe di Titanio	< 270	< 900	Medio / Corto	8-12	A			
	43	Ti Leghe ≤ 1,300	Leghe di Titanio	< 350	≤ 1,300	Medio / Corto	4-6	A			
50. NICKEL	51	Ni < 500	Nickel	< 150	< 500	Extra lungo	8-12	A	⊙	⊙	⊙
	52	Ni Leghe < 900	Leghe di Nickel	< 270	< 900	Lungo	10-15	A			
	53	Ni Leghe ≤ 1,400	Leghe di Nickel	< 410	≤ 1,400	Lungo	2-4	A			
60. RAME OTTONE BRONZO	61	Cu < 350	Rame	< 100	< 350	Extra lungo	8-12	T	⊙	⊙	⊙
	62	Cu Alloy (corto)	Rame truciolo corto, Bronzo, Ottone	< 200	< 700	Medio / Corto	25-35	T	⊙	⊙	⊙
	63	Cu Alloy (lungo)	Rame truciolo lungo, Bronzo, Ottone	< 200	< 700	Lungo	15-20	T	⊙	⊙	⊙
	64	Cu-Al-Fe < 1,500	Leghe di Rame - Alluminio - Ferro	< 470	< 1,500	Corto	3-5	A			
70. ALLUMINIO & SUE LEGHE	71	Al/Mg < 350	Alluminio, Magnesio, non legati	< 100	< 350	Extra lungo	10-15	T			
	72	Al Forgiato	Leghe di Alluminio - Si < 0.5%	< 150	< 500	Medio	25-35	T	⊙	⊙	⊙
	73	Al (Si ≤ 10%)	Leghe di Alluminio - Si ≤ 10%	< 120	< 400	Medio / Corto	15-20	T	⊙	⊙	⊙
	74	Al (Si > 10%)	Leghe di Alluminio - Si > 10%	< 120	< 400	Corto	10-15	T	⊙	⊙	⊙
80. PLASTICHE	81	Plastiche	Materiali termoplastici			Extra lungo	20-30	T			
	82	Plastiche	Plastiche termoindurenti			Corto	8-12	Z			
	83	Plastiche	Plastiche rinforzate			Extra corto	5-7	Z			

MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	VA	VA	MU	MU	MU
TCE05 (P.394)	TCE06 (P.396)	TCE07 (P.397)	TCE08 (P.398)	TD804 (P.395)	TDE05 (P.394)	TDE06 (P.396)	TDE07 (P.397)	TDE08 (P.398)	TB804 (P.395)	TBE05 (P.394)	TBE06 (P.396)	TBE07 (P.397)	TBE08 (P.398)	TC804-IC (P.403)	TC807 (P.404)		TQ744 (P.406)	TB744 (P.406)	TC814 (P.414)	TCJ05 (P.413)	TCJ06 (P.415)
TCE09 (P.401)				TD844 (P.399)	TDE09 (P.401)				TB844 (P.399)								TQ754 (P.407)	TB754 (P.408)	TC854 (P.418)	TCJ09 (P.420)	
TCE01 (P.410)				TD824 (P.409)	TDE01 (P.410)				TB824 (P.409)										TC834 (P.427)	TCJ01 (P.428)	
TCE02 (P.412)				TD864 (P.411)	TDE02 (P.412)				TB864 (P.411)										TC874 (P.429)	TCJ02 (P.430)	
																	TC633 (P.405)				
Lucido	Lucido	Lucido	Lucido	TIN	TIN	TIN	TIN	TIN	Vap	Vap	Vap	Vap	Vap	Lucido	Lucido	Lucido	Vap	Vap	Lucido	Lucido	Lucido
R40		R40	R40	R40	R40	R40	R40	R40	R40	R40	R40	R40	R40	R40	R40	R40	R45	R45			
C	B	C	C	C	C	C	C	C	C	C	C	C	C	C	E	C	C	C	B	B	B
2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	2.5D	3.0D	3.0D	3.0D
1-2-3	4-5	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	1-2-3	4-5	4-5	4-5
																					
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MASCHI A MACCHINA

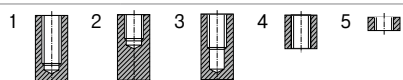
Parametri di taglio indicativi



USO RACCOMANDATO

⊙ = SPECIFICO

○ = ADATTO



GRUPPO MATERIALI

MU **MU**

DIN 371/376	M	CODICE (pag.)	TCJ07 (P.416)	TCJ08 (P.417)
DIN 371/376	EG-M	CODICE (pag.)		
DIN 352	M	CODICE (pag.)		
DIN 374	MF	CODICE (pag.)		
DIN 371/376	UNC	CODICE (pag.)		
DIN 371/376	EG-UNC	CODICE (pag.)		
DIN 371/374	UNF	CODICE (pag.)		
DIN 371/376	EG-UNF	CODICE (pag.)		
DIN 2182/2183	BSW	CODICE (pag.)		
DIN 357/5156	M/G(BSP)	CODICE (pag.)		
LONG	M	CODICE (pag.)		
TRAT. SUPERFICIALE / RIVESTIMENTO			Lucido	Lucido
ANGOLO D'ELICA				
TIPO D'IMBOCCO			B	B
PROFONDITÀ DI FILETTATURA			3.0D	3.0D
TIPO FORO			4-5	4-5

TIPO DI LUBRIFICAZIONE
























A = Olio da taglio

T = Olio emulsionabile

X = Olio da taglio / Olio emulsionabile

Z = A secco / Olio emulsionabile

GRUPPO MATERIALI		LISTA MATERIALI	DUREZZA	RESISTENZA A TRAZIONE	TIPO TRUCIOLO	VELOCITÀ DI TAGLIO	REFRIGERANTE			
			HB	Rm N/mm ²		Vc m/min				
10. ACCIAI	11	Acciai < 400	Ferro amagnetico	< 120	< 400	Extra lungo	15-20	T	⊙	⊙
	12	Acciai < 700	Acciai da costruzione, cementazione	< 200	< 700	Medio / Lungo	15-20	T	⊙	⊙
	13	Acciai < 850	Acciai per strutture, profilati	< 250	< 850	Lungo	12-18	T	⊙	⊙
	14	Acciai legati < 850	Acciai a basso tenore di C	< 250	< 850	Lungo	10-15	X	⊙	⊙
	15	Acciai legati ≤ 1,200	Acciai legati - Bonificati	< 350	≤ 1,200	Lungo	6-10	X	⊙	⊙
	16	Acciai legati > 1,200	Acciai legati - Bonificati	> 350	> 1,200	Lungo	3-5	A		
20. ACCIAI INOX	21	INOX < 850	A facile lavorabilità	< 250	< 850	Medio	7-10	A	⊙	⊙
	22	INOX Aust. < 850	Austenitico	< 250	< 850	Lungo	5-8	A	⊙	⊙
	23	INOX < 1,000	Ferritico, Ferritico/Austen. - Martensitico	< 300	< 1,000	Lungo	4-6	A	⊙	⊙
30. GHISA	31	GG Ghisa < 500	Ghisa grigia	< 150	< 500	Extra corto	10-15	X	⊙	⊙
	32	GG Ghisa < 1,000	Ghisa grigia	< 300	< 1,000	Extra corto	5-8	T	⊙	⊙
	33	GGG Ghisa < 700	Grafite nodulare, Ghisa malleabile	< 200	< 700	Corto	10-15	X	⊙	⊙
	34	GGG Ghisa < 1,000	Grafite nodulare, Ghisa malleabile	< 300	< 1,000	Corto	5-8	X	⊙	⊙
40. TITANIO	41	Ti < 700	Titanio	< 200	< 700	Extra lungo	10-15	T	⊙	⊙
	42	Ti Leghe < 900	Leghe di Titanio	< 270	< 900	Medio / Corto	8-12	A		
	43	Ti Leghe ≤ 1,300	Leghe di Titanio	< 350	≤ 1,300	Medio / Corto	4-6	A		
50. NICKEL	51	Ni < 500	Nickel	< 150	< 500	Extra lungo	8-12	A	⊙	⊙
	52	Ni Leghe < 900	Leghe di Nickel	< 270	< 900	Lungo	10-15	A		
	53	Ni Leghe ≤ 1,400	Leghe di Nickel	< 410	≤ 1,400	Lungo	2-4	A		
60. RAME OTTONE BRONZO	61	Cu < 350	Rame	< 100	< 350	Extra lungo	8-12	T	⊙	⊙
	62	Cu Alloy (corto)	Rame truciolo corto, Bronzo, Ottone	< 200	< 700	Medio / Corto	25-35	T	⊙	⊙
	63	Cu Alloy (lungo)	Rame truciolo lungo, Bronzo, Ottone	< 200	< 700	Lungo	15-20	T	⊙	⊙
	64	Cu-Al-Fe < 1,500	Leghe di Rame - Alluminio - Ferro	< 470	< 1,500	Corto	3-5	A		
70. ALLUMINIO & SUE LEGHE	71	Al/Mg < 350	Alluminio, Magnesio, non legati	< 100	< 350	Extra lungo	10-15	T		
	72	Al Forgiato	Leghe di Alluminio - Si < 0.5%	< 150	< 500	Medio	25-35	T	⊙	⊙
	73	Al (Si ≤ 10%)	Leghe di Alluminio - Si ≤ 10%	< 120	< 400	Medio / Corto	15-20	T	⊙	⊙
	74	Al (Si > 10%)	Leghe di Alluminio - Si > 10%	< 120	< 400	Corto	10-15	T	⊙	⊙
80. PLASTICHE	81	Plastiche	Materiali termoplastici			Extra lungo	20-30	T		
	82	Plastiche	Plastiche termoindurenti			Corto	8-12	Z		
	83	Plastiche	Plastiche rinforzate			Extra corto	5-7	Z		

MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	MU	VA	VA	GS	GS	GS	GV	GS	GS	GS	GS	GS	
TD814 (P.414)	TDJ05 (P.413)	TDJ06 (P.415)	TDJ07 (P.416)	TDJ08 (P.417)	TB814 (P.414)	TBJ05 (P.413)	TBJ06 (P.415)	TBJ07 (P.416)	TBJ08 (P.417)	TC814-IC (P.422)		TQ428 (P.424)	TB428 (P.424)	TTS31 (P.434)	TTS33 (P.488)	TKS35 (P.533)	TTS37 (P.549)	TC127 (P.491)	TD127 (P.493)	TD227 (P.494)	TC463 (P.534)	TC211 (P.490)	
																		TC122 (P.489)					
TD854 (P.418)	TDJ09 (P.420)				TB854 (P.418)													TC222 (P.515)	TD222 (P.517)		TC473 (P.542)		
TD834 (P.427)	TDJ01 (P.428)				TB834 (P.427)							TQ438 (P.425)	TB438 (P.426)					TC214 (P.522)			TC424 (P.544)		
TD874 (P.429)	TDJ02 (P.430)				TB874 (P.429)													TC234 (P.526)					
																		TC224 (P.529)					
																		TC727 (P.588)				TC803 (P.564)	
										TC445 (P.423)													
TiN	TiN	TiN	TiN	TiN	Vap	Vap	Vap	Vap	Vap	Lucido	Lucido	Vap	Vap	TiN	TiN	TiCN	TiN	Lucido	TiN	TiN	Lucido	Lucido	
															R45								L20
C	C	B	B	B	B	B	B	B	B	B	B	B	B	C	B	C	C	B	B	B	C/Long	C	
3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	3.0D	2.5D	3.0D	2.0D	1.5D	3.0D	3.0D	3.0D	2.0D	3.0D	
4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	2-3	4-5	1-2-3 4-5	1-2-3 4-5	4-5	4-5	4-5	1-2-3 4-5	4-5	
																							
														Synchro Type									
														Possibilità di incrementare di 2 o 3 volte le velocità di taglio normalmente consigliate per il gruppo GS									
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MASCHI A MACCHINA

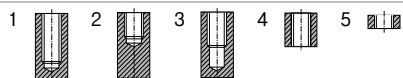
Parametri di taglio indicativi



USO RACCOMANDATO

⊙ = SPECIFICO

○ = ADATTO



GRUPPO MATERIALI

GS **GS**

DIN 371/376	M	CODICE (pag.)	TC517 (p.436)	TC711 (p.437)
DIN 371/376	EG-M	CODICE (pag.)		
DIN 352	M	CODICE (pag.)		
DIN 374	MF	CODICE (pag.)	TC612 (p.435)	TC411 (p.466)
DIN 371/376	UNC	CODICE (pag.)		TC144 (p.474)
DIN 371/376	EG-UNC	CODICE (pag.)		
DIN 371/374	UNF	CODICE (pag.)		TC124 (p.479)
DIN 371/376	EG-UNF	CODICE (pag.)		
DIN 2182/2183	BSW	CODICE (pag.)		TC134 (p.483)
DIN 357/5156	M/G(BSP)	CODICE (pag.)		TC728 (p.589)
LONG	M	CODICE (pag.)		
TRAT. SUPERFICIALE / RIVESTIMENTO			Lucido	Lucido
ANGOLO D'ELICA			R20	R40
TIPO D'IMBOCCO			C	C
PROFONDITÀ DI FILETTATURA			2.5D	2.5D
TIPO FORO			2-3	1-2-3

TIPO DI LUBRIFICAZIONE

A = Olio da taglio

T = Olio emulsionabile

X = Olio da taglio / Olio emulsionabile

Z = A secco / Olio emulsionabile

GRUPPO MATERIALI		LISTA MATERIALI	DUREZZA	RESISTENZA A TRAZIONE	TIPO TRUCIOLO	VELOCITÀ DI TAGLIO	REFRIGERANTE		
			HB	Rm N/mm ²		Vc m/min			
10. ACCIAI	11	Acciai < 400	Ferro amagnetico	< 120	< 400	Extra lungo	15-20	T	
	12	Acciai < 700	Acciai da costruzione, cementazione	< 200	< 700	Medio / Lungo	15-20	T	⊙ ⊙
	13	Acciai < 850	Acciai per strutture, profilati	< 250	< 850	Lungo	12-18	T	⊙ ⊙
	14	Acciai legati < 850	Acciai a basso tenore di C	< 250	< 850	Lungo	10-15	X	⊙ ⊙
	15	Acciai legati ≤ 1,200	Acciai legati - Bonificati	< 350	≤ 1,200	Lungo	6-10	X	
	16	Acciai legati > 1,200	Acciai legati - Bonificati	> 350	> 1,200	Lungo	3-5	A	
20. ACCIAI INOX	21	INOX < 850	A facile lavorabilità	< 250	< 850	Medio	7-10	A	
	22	INOX Aust. < 850	Austenitico	< 250	< 850	Lungo	5-8	A	
	23	INOX < 1,000	Ferritico, Ferritico/Austen. - Martensitico	< 300	< 1,000	Lungo	4-6	A	
30. GHISA	31	GG Ghisa < 500	Ghisa grigia	< 150	< 500	Extra corto	10-15	X	
	32	GG Ghisa < 1,000	Ghisa grigia	< 300	< 1,000	Extra corto	5-8	T	
	33	GGG Ghisa < 700	Grafite nodulare, Ghisa malleabile	< 200	< 700	Corto	10-15	X	⊙ ⊙
	34	GGG Ghisa < 1,000	Grafite nodulare, Ghisa malleabile	< 300	< 1,000	Corto	5-8	X	⊙ ⊙
40. TITANIO	41	Ti < 700	Titanio	< 200	< 700	Extra lungo	10-15	T	○ ○
	42	Ti Leghe < 900	Leghe di Titanio	< 270	< 900	Medio / Corto	8-12	A	
	43	Ti Leghe ≤ 1,300	Leghe di Titanio	< 350	≤ 1,300	Medio / Corto	4-6	A	
50. NICKEL	51	Ni < 500	Nickel	< 150	< 500	Extra lungo	8-12	A	○ ○
	52	Ni Leghe < 900	Leghe di Nickel	< 270	< 900	Lungo	10-15	A	
	53	Ni Leghe ≤ 1,400	Leghe di Nickel	< 410	≤ 1,400	Lungo	2-4	A	
60. RAME OTTONE BRONZO	61	Cu < 350	Rame	< 100	< 350	Extra lungo	8-12	T	○ ○
	62	Cu Alloy (corto)	Rame truciolo corto, Bronzo, Ottone	< 200	< 700	Medio / Corto	25-35	T	
	63	Cu Alloy (lungo)	Rame truciolo lungo, Bronzo, Ottone	< 200	< 700	Lungo	15-20	T	⊙ ⊙
	64	Cu-Al-Fe < 1,500	Leghe di Rame - Alluminio - Ferro	< 470	< 1,500	Corto	3-5	A	
70. ALLUMINIO & SUE LEGHE	71	Al/Mg < 350	Alluminio, Magnesio, non legati	< 100	< 350	Extra lungo	10-15	T	○ ○
	72	Al Forgiato	Leghe di Alluminio - Si < 0.5%	< 150	< 500	Medio	25-35	T	○ ○
	73	Al (Si ≤ 10%)	Leghe di Alluminio - Si ≤ 10%	< 120	< 400	Medio / Corto	15-20	T	○ ○
	74	Al (Si > 10%)	Leghe di Alluminio - Si > 10%	< 120	< 400	Corto	10-15	T	⊙ ⊙
80. PLASTICHE	81	Plastiche	Materiali termoplastici			Extra lungo	20-30	T	○ ○
	82	Plastiche	Plastiche termoindurenti			Corto	8-12	Z	
	83	Plastiche	Plastiche rinforzate			Extra corto	5-7	Z	



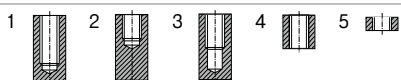
MASCHI A MACCHINA Parametri di taglio indicativi



USO RACCOMANDATO

⊙ = SPECIFICO

○ = ADATTO



GRUPPO MATERIALI			HR	VA	VA
DIN 371/376	M	CODICE (pag.)	TY313 (p.450)	TQ853 (p.501)	TR853 (p.502)
DIN 371/376	EG-M	CODICE (pag.)			
DIN 352	M	CODICE (pag.)			
DIN 374	MF	CODICE (pag.)			
DIN 371/376	UNC	CODICE (pag.)			
DIN 371/376	EG-UNC	CODICE (pag.)			
DIN 371/374	UNF	CODICE (pag.)			
DIN 371/376	EG-UNF	CODICE (pag.)			
DIN 2182/2183	BSW	CODICE (pag.)			
DIN 357/5156	M/G(BSP)	CODICE (pag.)			
LONG	M	CODICE (pag.)			
TRAT. SUPERFICIALE / RIVESTIMENTO			TiAIN	Vap	Lucido
ANGOLO D'ELICA			R40		
TIPO D'IMBOCCO			C	B	B
PROFONDITÀ DI FILETTATURA			2.5D	3.0D	3.0D
TIPO FORO			1-2-3	4-5	4-5

TIPO DI LUBRIFICAZIONE

A = Olio da taglio

T = Olio emulsionabile

X = Olio da taglio / Olio emulsionabile

Z = A secco / Olio emulsionabile

GRUPPO MATERIALI		LISTA MATERIALI		DUREZZA	RESISTENZA A TRAZIONE	TIPO TRUCIOLO	VELOCITÀ DI TAGLIO	REFRIGERANTE			
				HB	Rm N/mm ²		Vc m/min				
10. ACCIAI	11	Acciai < 400	Ferro amagnetico	< 120	< 400	Extra lungo	15-20	T		○	○
	12	Acciai < 700	Acciai da costruzione, cementazione	< 200	< 700	Medio / Lungo	15-20	T		⊙	⊙
	13	Acciai < 850	Acciai per strutture, profilati	< 250	< 850	Lungo	12-18	T			
	14	Acciai legati < 850	Acciai a basso tenore di C	< 250	< 850	Lungo	10-15	X			
	15	Acciai legati ≤ 1,200	Acciai legati - Bonificati	< 350	≤ 1,200	Lungo	6-10	X	○		
	16	Acciai legati > 1,200	Acciai legati - Bonificati	> 350	> 1,200	Lungo	3-5	A	⊙		
20. ACCIAI INOX	21	INOX < 850	A facile lavorabilità	< 250	< 850	Medio	7-10	A		⊙	⊙
	22	INOX Aust. < 850	Austenitico	< 250	< 850	Lungo	5-8	A		⊙	⊙
	23	INOX < 1,000	Ferritico, Ferritico/Austen. - Martensitico	< 300	< 1,000	Lungo	4-6	A	○	⊙	⊙
30. GHISA	31	GG Ghisa < 500	Ghisa grigia	< 150	< 500	Extra corto	10-15	X			
	32	GG Ghisa < 1,000	Ghisa grigia	< 300	< 1,000	Extra corto	5-8	T			
	33	GGG Ghisa < 700	Grafite nodulare, Ghisa malleabile	< 200	< 700	Corto	10-15	X			
	34	GGG Ghisa < 1,000	Grafite nodulare, Ghisa malleabile	< 300	< 1,000	Corto	5-8	X			
40. TITANIO	41	Ti < 700	Titanio	< 200	< 700	Extra lungo	10-15	T			
	42	Ti Leghe < 900	Leghe di Titanio	< 270	< 900	Medio / Corto	8-12	A		○	○
	43	Ti Leghe ≤ 1,300	Leghe di Titanio	< 350	≤ 1,300	Medio / Corto	4-6	A			
50. NICKEL	51	Ni < 500	Nickel	< 150	< 500	Extra lungo	8-12	A			
	52	Ni Leghe < 900	Leghe di Nickel	< 270	< 900	Lungo	10-15	A		○	○
	53	Ni Leghe ≤ 1,400	Leghe di Nickel	< 410	≤ 1,400	Lungo	2-4	A			
60. RAME OTTONE BRONZO	61	Cu < 350	Rame	< 100	< 350	Extra lungo	8-12	T			
	62	Cu Alloy (corto)	Rame truciolo corto, Bronzo, Ottone	< 200	< 700	Medio / Corto	25-35	T	○		
	63	Cu Alloy (lungo)	Rame truciolo lungo, Bronzo, Ottone	< 200	< 700	Lungo	15-20	T			
	64	Cu-Al-Fe < 1,500	Leghe di Rame - Alluminio - Ferro	< 470	< 1,500	Corto	3-5	A	⊙		
70. ALLUMINIO & SUE LEGHE	71	Al/Mg < 350	Alluminio, Magnesio, non legati	< 100	< 350	Extra lungo	10-15	T			
	72	Al Forgiato	Leghe di Alluminio - Si < 0.5%	< 150	< 500	Medio	25-35	T			
	73	Al (Si ≤ 10%)	Leghe di Alluminio - Si ≤ 10%	< 120	< 400	Medio / Corto	15-20	T			
	74	Al (Si > 10%)	Leghe di Alluminio - Si > 10%	< 120	< 400	Corto	10-15	T			
80. PLASTICHE	81	Plastiche	Materiali termoplastici			Extra lungo	20-30	T			
	82	Plastiche	Plastiche termoindurenti			Corto	8-12	Z	○		
	83	Plastiche	Plastiche rinforzate			Extra corto	5-7	Z	○		



MASCHI A MACCHINA

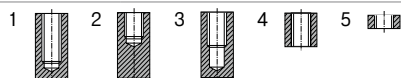
Parametri di taglio indicativi



USO RACCOMANDATO

⊙ = SPECIFICO

○ = ADATTO



GRUPPO MATERIALI

GV GV

DIN 371/376	M	CODICE (pag.)	TQ703 (p.550)	TE703 (p.552)
DIN 371/376	EG-M	CODICE (pag.)		
DIN 352	M	CODICE (pag.)		
DIN 374	MF	CODICE (pag.)		TE733 (p.559)
DIN 371/376	UNC	CODICE (pag.)		TE704 (p.561)
DIN 371/376	EG-UNC	CODICE (pag.)		
DIN 371/374	UNF	CODICE (pag.)		
DIN 371/376	EG-UNF	CODICE (pag.)		
DIN 2182/2183	BSW	CODICE (pag.)		
DIN 357/5156	M/G(BSP)	CODICE (pag.)		
LONG	M	CODICE (pag.)		
TRAT. SUPERFICIALE / RIVESTIMENTO			Vap	NI
ANGOLO D'ELICA				
TIPO D'IMBOCCO			C	C
PROFONDITÀ DI FILETTATURA			3.0D	3.0D
TIPO FORO			1-2-3 4-5	1-2-3 4-5

TIPO DI LUBRIFICAZIONE

A = Olio da taglio

T = Olio emulsionabile

X = Olio da taglio / Olio emulsionabile

Z = A secco / Olio emulsionabile

GRUPPO MATERIALI		LISTA MATERIALI	DUREZZA	RESISTENZA A TRAZIONE	TIPO TRUCIOLO	VELOCITÀ DI TAGLIO	REFRIGERANTE		
			HB	Rm N/mm ²		Vc m/min			
10. ACCIAI	11	Acciai < 400	< 120	< 400	Extra lungo	15-20	T	⊙	⊙
	12	Acciai < 700	< 200	< 700	Medio / Lungo	15-20	T	⊙	⊙
	13	Acciai < 850	< 250	< 850	Lungo	12-18	T	⊙	⊙
	14	Acciai legati < 850	< 250	< 850	Lungo	10-15	X	⊙	⊙
	15	Acciai legati ≤ 1,200	< 350	≤ 1,200	Lungo	6-10	X		
	16	Acciai legati > 1,200	> 350	> 1,200	Lungo	3-5	A		
20. ACCIAI INOX	21	INOX < 850	< 250	< 850	Medio	7-10	A	○	○
	22	INOX Aust. < 850	< 250	< 850	Lungo	5-8	A	○	○
	23	INOX < 1,000	< 300	< 1,000	Lungo	4-6	A		
30. GHISA	31	GG Ghisa < 500	< 150	< 500	Extra corto	10-15	X		
	32	GG Ghisa < 1,000	< 300	< 1,000	Extra corto	5-8	T		
	33	GGG Ghisa < 700	< 200	< 700	Corto	10-15	X		
	34	GGG Ghisa < 1,000	< 300	< 1,000	Corto	5-8	X		
40. TITANIO	41	Ti < 700	< 200	< 700	Extra lungo	10-15	T	○	○
	42	Ti Leghe < 900	< 270	< 900	Medio / Corto	8-12	A		
	43	Ti Leghe ≤ 1,300	< 350	≤ 1,300	Medio / Corto	4-6	A		
50. NICKEL	51	Ni < 500	< 150	< 500	Extra lungo	8-12	A	⊙	⊙
	52	Ni Leghe < 900	< 270	< 900	Lungo	10-15	A		
	53	Ni Leghe ≤ 1,400	< 410	≤ 1,400	Lungo	2-4	A		
60. RAME OTTONE BRONZO	61	Cu < 350	< 100	< 350	Extra lungo	8-12	T	○	○
	62	Cu Alloy (corto)	< 200	< 700	Medio / Corto	25-35	T		
	63	Cu Alloy (lungo)	< 200	< 700	Lungo	15-20	T	○	○
	64	Cu-Al-Fe < 1,500	< 470	< 1,500	Corto	3-5	A		
70. ALLUMINIO & SUE LEGHE	71	Al/Mg < 350	< 100	< 350	Extra lungo	10-15	T	⊙	⊙
	72	Al Forgiato	< 150	< 500	Medio	25-35	T		
	73	Al (Si ≤ 10%)	< 120	< 400	Medio / Corto	15-20	T	○	○
	74	Al (Si > 10%)	< 120	< 400	Corto	10-15	T		
80. PLASTICHE	81	Plastiche			Extra lungo	20-30	T		
	82	Plastiche			Corto	8-12	Z		
	83	Plastiche			Extra corto	5-7	Z		

GV	GV	GV	GV	GV	GV	GV	AI	AI	AI	AI	AI	GG	GG	GG	GG	GG	Ms	Ms	Ms	
TE713 (p.553)	TD703 (p.557)	TD713 (p.555)	TY703 (p.558)	TQ723 (p.551)	TE723 (p.554)	TD723 (p.556)	TC622 (p.514)			TE943 (p.513)	TC163 (p.464)	TE953 (p.465)	TE821 (p.535)	TD821 (p.536)	T1821 (p.538)	TY821 (p.537)	T0993 (p.375)	TC433 (p.539)	TE443 (p.540)	TY433 (p.541)
								TC973 (p.567)			TC909 (p.568)									
	TD733 (p.560)										TC963 (p.473)		TE403 (p.543)							
	TD704 (p.562)										TC169 (p.478)		TE434 (p.545)							
								TC934 (p.569)			TC944 (p.570)									
											TC170 (p.482)		TE454 (p.546)							
								TC954 (p.571)												
NI	TiN	TiN	TiAlN	Vap	NI	TiN	Lucido	Lucido	NI	Lucido	NI	NI	TiN	TiCN	TiAlN	Lucido	Lucido	NI	TiAlN	
										R45/40		R40								
C	C	C	C	C	C	C	B	B	B	C	C	C	C	C	C	C	C	C	C	
3.0D	3.0D	3.0D	3.0D	1.5D	1.5D	1.5D	3.0D	3.0D	3.0D	2.5D	2.5D	2.0D	2.0D	2.0D	2.0D	2.0D	2.0D	2.0D	2.0D	
1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	4-5	4-5	4-5	1-2-3	1-2-3	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	1-2-3 4-5	
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TABELLA DI CONVERSIONE

Conversione delle velocità di taglio in numero di giri.
Vc (m/min) - Giri (giri/min)

Calcolo giri al minuto																
Ø Uten.	Velocità di taglio - Vc (m/min)															
	1	2	3	4	5	6	8	10	12	15	20	25	30	40	50	60
1	318	637	955	1274	1592	1910	2548	3185	3822	4777	6396	7962	9554	12739	15924	19108
2	159	318	478	637	796	955	1274	1592	1911	2388	3185	3981	4777	6369	7962	9554
3	106	212	318	425	531	637	849	1062	1274	1592	2123	2654	3185	4246	5308	6369
4	80	159	239	318	398	478	637	796	955	1194	1592	1990	2389	3185	3981	4777
5	64	127	191	255	318	382	510	637	764	955	1274	1592	1911	2548	3185	3822
6	53	106	159	212	265	318	425	531	637	796	1062	1327	1592	2123	2653	3185
8	40	80	119	159	199	239	318	398	478	597	796	955	1194	1592	1990	2388
10	31	64	96	127	159	191	255	318	382	478	637	796	955	1274	1592	1911
12	26	53	80	106	133	159	212	265	318	398	531	663	796	1062	1327	1592
14	23	45	68	91	114	136	182	227	273	341	455	569	682	910	1137	1365
16	20	40	60	80	100	119	159	199	239	299	398	498	597	796	995	1194
18	18	35	53	71	88	106	142	177	212	265	354	442	531	708	885	1062
20	16	32	48	64	80	96	127	159	191	239	318	398	478	637	796	955
25	13	25	38	51	64	76	102	127	153	191	255	318	382	510	637	764
30	11	21	32	42	53	64	85	106	127	159	212	265	318	425	531	637
35	9	18	27	36	45	55	73	91	109	136	182	227	273	364	455	546
40	8	16	24	32	40	48	64	80	96	119	159	199	239	118	398	478

Vc - Velocità di taglio N - Numero di giri Ø - Diametro nominale	$Vc = \frac{\pi \times \varnothing \times N}{1000} = (\text{m/min})$
	$N = \frac{Vc \times 1000}{\pi \times \varnothing} = (\text{giri/min})$

TRATTAMENTI SUPERFICIALI - RIVESTIMENTI

L'acciaio super rapido da noi utilizzato possiede una buona resistenza all'usura e tenacità. Normalmente quindi, forniamo i nostri maschi semplicemente lucidati, privi di trattamento superficiale o rivestimento. Tuttavia, per lavorazioni di alcuni materiali specifici, i trattamenti superficiali e rivestimenti risultano essere vantaggiosi.

TRATTAMENTI SUPERFICIALI

VAPORIZZATO

Il trattamento di vaporizzazione (Fe_3O_4) riduce l'attrito tra utensile e pezzo lavorato, prevenendo la formazione di saldatura a freddo (Tagliente di riporto)

NITRURATO

Trattamento superficiale raccomandato per materiali fortemente abrasivi quali: Ghise Grigie, Leghe di Alluminio con percentuali di Silicio > 10%.

RIVESTIMENTI

Rivestimento TiN

Il rivestimento TiN ha una durezza approssimativa di 2,300 HV e una resistenza alla temperatura di circa 600° C. Coefficiente di attrito 0.4.
Eccellente rivestimento per applicazioni generali su una vasta gamma di materiali.

Rivestimento TiCN

Il rivestimento TiCN ha una durezza approssimativa di 3,000 HV e una resistenza alla temperatura di circa 400°C. Coefficiente di attrito 0,4.
TiCN sostituisce TiN quando le condizioni richiedono un rivestimento che abbia caratteristiche di durezza e tenacità differenti.
Il TiCN risulta essere vantaggioso nella lavorazione di acciai a difficile lavorabilità o su fori con taglio interrotto.

Rivestimento TiAlN

Il rivestimento TiAlN ha una durezza approssimativa di 3,000 HV e una resistenza alla temperatura di circa 800° C. Coefficiente di attrito 0.4.
Questo tipo di rivestimento è particolarmente indicato per la lavorazione di materiali abrasivi quali: Ghisa grigia, Leghe di Alluminio al Silicio, Plastiche rinforzate, ecc., in condizioni di refrigerazione insufficiente.

Rivestimento - Hardslick

Il rivestimento Hardslick ha una durezza approssimativa di 3,000 HV e una resistenza alla temperatura di circa 800° C. Coefficiente di attrito 0.2.
Il rivestimento Hardslick combina le caratteristiche di durezza e stabilità termica del TiAlN, con migliori proprietà di "auto-lubrificazione" e scorrevolezza, basso coefficiente di attrito.

ESEMPI DI APPLICAZIONE PER GRUPPI DI MATERIALI

11 Acciai dolci magnetici $< 400 \text{ N/mm}^2$ 1.1013 RFe 100 1.1014 RFe 80 1.1015 RFe 60 1.0718 9 S MnPb 28	12 Acciai da costruzione, Cement. $< 700 \text{ N/mm}^2$ 1.0037 St 37-2 1.0050 St 50-2 1.0060 St 60-2 1.0070 St 70-2 1.0401 C 15 1.1141 Ck 15	13 Acciai al carbonio $< 850 \text{ N/mm}^2$ 1.0501 C 35 1.0503 C 45 1.0535 C 55 1.0601 C 60 1.1181 Ck 35 1.1191 Ck 45	14 Acciai Legati $< 850 \text{ N/mm}^2$ 1.2080 X210Cr12 1.2363 X100CrMoV5-1 1.3243 S 6-5-2-5 1.3343 S 6-5-2 1.7218 25CrMo4 1.7220 34CrMo4
15 Acciai legati, Bonificati $< 1,200 \text{ N/mm}^2$ 1.2581 X30WCrV9 3 1.2622 X60WCrMoV9 1.2550 60WCrV7 1.6580 30CrNiMo8 1.7361 32CrMo12 1.8515 31CrMo12	16 Acciai induriti & temprati $> 1,200 \text{ N/mm}^2$ A questo gruppo appartengono la maggior parte dei materiali del gruppo di 15, aventi però una maggiore resistenza alla trazione.	21 Acciaio Inox a lav. facilitata $< 850 \text{ N/mm}^2$ 1.4005 X12CrS13 1.4006 X10Cr13 1.4016 X6Cr17 1.4104 X12CrMoS17 1.4305 X10CrNiS18 9	22 Acciai Inox austenitici $< 850 \text{ N/mm}^2$ 1.4301 X5CrNi18 10 1.4406 X2CrNiMoN17 12 2 1.4435 X2CrNiMo18 14 3 1.4541 X6CrNiTi18 10 1.4571 X6CrNiMoTi17 12 2 1.4828 X15CrNiSi20 12
23 Acciai Inox marten. / Ferritici $< 1,000 \text{ N/mm}^2$ 1.4112 X90CrMoV18 1.4125 X105CrMo17 1.4002 X6CrAl13 1.4512 X6CrTi12 1.4582 X4CrNiMoNb25 7 1.4821 X20CrNiSi25 4	31 Ghisa grigia $< 500 \text{ N/mm}^2$ 0.6015 GG-15 0.6020 GG-20 0.6025 GG-25 0.6030 GG-30 0.6035 GG-35 0.6040 GG-40	32 Ghisa grigia $< 1,000 \text{ N/mm}^2$ 0.6020 GG-20 0.6025 GG-25 0.6030 GG-30 0.6035 GG-35 0.6040 GG-40	33 Ghisa malleabile Ghisa nodulare $< 700 \text{ N/mm}^2$ 0.7040 GGG-40 0.7043 GGG-40.3 0.7050 GGG-50 0.7060 GGG-60 0.7070 GGG-70 0.7080 GGG-80
34 Ghisa nodulare, malleabile $< 1,000 \text{ N/mm}^2$ 0.7040 GGG-40 0.7043 GGG-40.3 0.7050 GGG-50 0.7060 GGG-60 0.7070 GGG-70 0.7080 GGG-80	41 Titanio $< 700 \text{ N/mm}^2$ 3.7024 Ti99.5 3.7034 Ti99.7 3.7035 Ti2 3.7055 Ti99.4 3.7064 Ti99.2 3.7065 Ti4	42 Leghe di Titanio $< 900 \text{ N/mm}^2$ TiA14Mn4 3.7114 TiA15Sn2 3.7124 TiCu2 3.7164 TiA16V4 3.7174 TiA16V6Sn2	43 Leghe di Titanio $< 1,300 \text{ N/mm}^2$ 3.7124 TiCu2 3.7144 TiA16Sn2Zr4Mo2 3.7154 TiAl6Zr5 3.7164 TiA16V4 3.7174 TiA16V6Sn2 3.7184 TiAl4Mo4Sn2
51 Nickel $< 500 \text{ N/mm}^2$ 2.1504 NiAlBz 2.4042 Ni99CSi 2.4060 Ni99.6 2.4062 Ni99.4Fe	52 Leghe di Nickel resistenti al calore $< 900 \text{ N/mm}^2$ 2.4360 Monel 400 2.4374 Monel 500 2.4665 Hastelloy X 2.4812 Hastelloy C 2.4816 Inconel 600 1.4876 Incoloy 800	53 Leghe di Nickel resistenti al calore $< 1,400 \text{ N/mm}^2$ 2.4631 Nimonic80A 2.4632 Nimonic90 2.4634 Nimonic105 2.4662 Nimonic901 2.4668 Inconel 718 2.4669 Inconel X-750	61 Rame non legato $< 350 \text{ N/mm}^2$ 2.0060 E-Cu57 2.0070 SE-Cu 2.0090 SF-Cu 2.1356 CuMn3 2.1522 CuSi2Mn
62 Ottone tr. corto, bronzo, leghe di rame $< 700 \text{ N/mm}^2$ 2.0360 CuZn40 (Ms60) 2.0380 CuZn39Pb2 (Ms58) 2.0410 CuZn44Pb2 2.0580 CuZn40Mn1Pb 2.1086 G-CuSn10Zn 2.1096 G-CuSn5ZnPb	63 Ottone tr. lungo, bronzo, leghe di rame $< 700 \text{ N/mm}^2$ 2.0250 CuZn20 2.0321 CuZn37 2.1020 CuSn6 2.1080 CuSn6Zn6 2.1245 CuBel.7 2.1293 CuCrZr	64 Leghe di Cu - Al - Fe $< 1,500 \text{ N/mm}^2$	71 Alluminio e Magnesio non legati $< 350 \text{ N/mm}^2$ 3.0250 Al99.5H 3.0280 Al99.8H 3.0305 Al99.9 3.3308 Al99.9Mg0.5
72 Leghe di Alluminio, Si $< 0.5\%$ $< 600 \text{ N/mm}^2$ 3.0515 AlMn1 3.0525 AlMn1Mg0.5 3.1325 AlCuMg1 3.3315 AlMg1 3.3241 G-AlMg3Si 3.3292 GD-AlMg9	73 Leghe di alluminio, 0.5 - 10% Si $< 600 \text{ N/mm}^2$ 3.2134 G-AISi5Cu1Mg 3.2152 GD-AISi6Cu4 3.2162 GD-AISi8Cu3 3.2373 G-AISi9Mg	74 Leghe di Alluminio, Si $> 10\%$ $< 600 \text{ N/mm}^2$ 3.2381 G-AISi10Mg 3.2383 G-AISi10Mg(Cu) 3.2581 G-AISi12 3.2583 G-AISi12(Cu) 3.5662 G-MgA16 3.5812 G-MgA18Zn1	81 Materiali termoplastici Delrin(POM) Teflon Nylon
82 Resine Plastiche Bachelite Novopan	83 Plastiche rinforzate Fibre di vetro Plastiche termoindurenti	Riferimento : DIN	

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W.Nr	GERMANIA DIN	FRANCIA AFNOR	GRAN BRETAGNA B.S.	EN & ALTRE CLASSIFICAZIONI	U.S.A. AISI
10 - ACCIAI					
11 - Acciai dolci magnetici - Durezza < 120 HB 30 - Resistenza a trazione < 400 N/mm²					
1.1013	RFe 100		OSOA12	EN2	
1.1014	RFe 80				
1.1015	RFe 60		230Mo7	EN1	
1.0718	9 S MnPb 28				
12 - Acciai da costruzione - Durezza < 200 HB 30 - Resistenza a trazione < 700 N/mm²					
12.1 - Acciai strutturali					
1.0034	RSt 34-2	A34-2 EN	1449 34/20 HR		
1.0035	St 33	A33	Fe 310-0		
1.0036	St 37-2		060A35	EN3A,4,5,6,7,8	
1.0037	RSt 37-2				
1.0044	St 44-2				
1.0050	St 50-2		4360-50B	EN 207	
1.0060	St 60-2				
1.0070	St 70-2				
1.0116	St 37-3				
1.0144	St 44-3				
12.2 - Acciai da cementazione					
1.0301	C 10	AF 34 C 10	040 A 10		M 1010
1.0401	C 15	AF 37 C 12	080 A 15		M 1015
1.1121	Ck 10	XC 10	040 A 10		1010
1.1141	Ck 15	XC 12	040 A 15		1015
1.5732	14 Ni Cr 10	14 NC 11			3415
1.7015	15 Cr 3	12 C 3	523 M 15		5015
1.7131	16 Mn Cr 5	16 MC 4	527 M 17	EN 32	5115
1.7147	20 Mn Cr 5	20 MC 5			5120
12.3 - Acciai a lavorabilità facilitata					
1.0710	15 S 10				
1.0715	9 S Mn 28	S 250	230 M 07		1213
1.0718	9 S Mn Pb 28	S 250 Pb			12 L 13
1.0721	10 S 20	10 F1	210 M 15		1108 1109
1.0722	10 S Pb 20	10 Pb F 2			11 L 08
1.0723	15 S 20	210 A 15		
1.0726	35 S 20	35 MF 6	212 M 36		1140
1.0727	45 S 20	45 MF 4			1146
1.0736	9 S Mn 36	S 300			1215
1.0737	9 S Mn Pb 36	S 300 Pb			12 L 14
12.4 - Acciai fusi					
1.0416	GS - 38				
1.0446	GS - 45				
1.0552	GS - 52				
1.0553	GS - 60	E 36 - 3			
1.0554	GS - 70				
13 - Acciai a basso e medio contenuto di carbonio					
13.1 - Durezza < 250 HB 30 - Resistenza a trazione < 850 N/mm²					
1.0402	C 22	1 C 22	070 M 20		M 1023
1.0501	C 35	1 C 35	080 A 32		1035
1.0503	C 45	1 C 45	060 A 47		1045
1.0535	C 55	1 C 55	070 M 55		1055
1.0601	C 60	1 C 60	060 A 62	EN 43	1060
1.1157	40 Mn 4	35 M 5	150 M 36		1035 1041
1.1151	Ck 22	2 C 22	055 M 15		1020 1023
1.1181	Ck 35	2 C 35	080 A 35		1035 1038
1.1191	Ck 45	2 C 45	080 M 46	EN 9, 10	1045
1.1203	Ck 55	2 C 55	060 A 57		1055
1.1221	Ck 60	2 C 60	060 A 62		1060 1064

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Denominazione standard

W.Nr	GERMANIA DIN	FRANCIA AFNOR	GRAN BRETAGNA B.S.	EN & ALTRE CLASSIFICAZIONI	U.S.A. AISI
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14 - Acciai legati - Durezza < 250 HB 30, < 25 HRC - Resistenza a trazione < 850 N/mm²

14.1 - Acciai da utensili per lavorazioni a freddo

1.2056	90 Cr 3				
1.2067	100 Cr 6	Y 100 C 6	BL 3		L 1 L 3
1.2080	X 210 Cr 12	Z 200 C 12	BD 3		D3
1.2083	X 42 Cr 13	Z 40 C 14			420
1.2363	X 100 CrMoV5 1	Z 100 CDV 5	BA 2		A 2
1.2379	X 155 CrVMo 12 1	Z 160 CDV 12	BD 2		D 2
1.2510	100 MnCrW 4	90 MWCV 5	BO 1		O1
1.2550	60 WCrV 7	55WC 20	BS 1		S1
1.2823	70 Si 7				
1.2826	60 Mn Si Cr 4				
1.2842	90 MnCrV 8	90 MV 8	BO 2		O 2

14.2 - Acciaio Super Rapido

1.3202	S 12-4-4-5	Z 130 WKCVCV 12-05-04-04	BT 15		T 15
1.3207	S 10-4-3-10	Z130 WKCDV10-10-04-04-03	BT 42		T 42
1.3243	S 6-5-2-5	Z85 WDKCV 06-05-05-04-02	BM 35		M 35
1.3247	S 2-10-1-8	Z110 DKCWV 09-08-04-02-01	BM 42		M 42
1.3343	S 6-5-2	Z 85 WDCV 06-05-04-02	BM 2		M 2
1.3344	S 6-5-3	Z 120 WDCV 06-05-04-03			M 3 / 2
1.3348	S 2-9-2	Z 100 DCWV 09-04-02-02			M 7
ASP 23	(S 6-5-3)				
ASP 30					
ASP 60					

14.3 - Ghise legate

1.5919	GS-15Cr Ni 6	16 NC 6			3115
1.7218	GS-25Cr Mo 4	25 C D 4	70 8A 25		4130
1.7220	GS-34Cr Mo 4	35 C D 4	70 8A 37		4135 4137
1.7379	GS-18 Cr Mo 9 10				

14.4 - Acciai legati da bonifica

1.0503	C 45	1 C 45	060 A 47		1045
1.7220	34 Cr Mo 4	34 Cr Mo 4	708 A 37		4135, 4137
1.7225	42 Cr Mo 4	42 CD 4	708 A 42	EN 16, 17, 19	4140, 4142
1.7228	50 Cr Mo 4	50 Cr Mo 4	708 A 47		4150

14.5 - Acciai da nitrurazione

1.7779	20 Cr Mo V 13.5				
1.8504	34 Cr Al 6				
1.8506	34 Cr Al S 5				
1.8507	34 Cr Al Mo 5	30 CAD 6.12			A 355 Cl.D
1.8509	41 Cr Al Mo 7	40 CAD 6.12	905 M 39		A 355 Cl.A
1.8515	31 Cr Mo 12	30 CD 12	722 M 24		

15 - Acciai legati / Rinvenuti - Durezza 250-350 HB 30, 25-38 HRC - Resistenza a trazione 850-1,200 N/mm²

15.1 - Acciai legati da utensili

1.2311	40 Cr Mn Mo 7				
1.2312	40 Cr Mn Mo S 86				
1.2436	X 210 Cr W 12	Z 200 CW 12			
1.2711	54 Ni Cr Mo V 6				
1.2713	55 Ni Cr Mo V 6	55 NCDV 7	826 M 40	S 95, S 97, S 98	L 6
1.2714	56 Ni Cr Mo V 7				
1.2743	60 Ni Cr Mo V 12 4				
1.2766	35 Ni Cr Mo 16				

15.2 - Acciai legati per lavorazioni a caldo

1.2343	X 38 Cr Mo V 5 1	Z 38 CDV 5	BH 11		H 11
1.2344	X 40 Cr Mo V 5 1	Z 40 CDV 5	BH 13		H 13
1.2365	X 32 Cr Mo V 3 3	32 DCV 28	BH 10		H 10
1.2367	X 40 Cr Mo V 5 3	Z 38 CDV 5.3			
1.2581	X 30 W Cr V 9 3	Z 30 WCV 9.3	BH 21		H 21
1.2622	X 60 W Cr Mo V 9				
1.2678	X 45 CoCrWV 5 5 5				
1.2550	60 WCr V 7	55 WC 20	BS 1		S 1
1.2567	X 30 W Cr V 5 3	Z 32 WCV 5			

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15.3 - Acciai induriti, bonificati					
1.5864	35 Ni Cr 18				
1.6580	30 Cr Ni Mo 8	30 Cr Ni Mo 8			
1.7361	32 Cr Mo 12	30 CD 12	722 M 24		
1.7707	30 Cr Mo V 9				
1.8161	58 Cr V 4				
15.4 - Acciai da nitrurazione					
1.8515	31 Cr Mo 12	30 CD 12	722 M 24		
1.8519	31 Cr Mo V 9		830 M 31		
1.8523	39 Cr Mo V 13 9		897 M 39		
1.8550	34 Cr Al Ni 7		826 M 40		
16 - Acciai legati / bonificati - Durezza > 38 HRC - Resistenza a trazione > 1,200 N/mm²					
A questo gruppo appartengono la maggior parte dei materiali del gruppo 15, con una più elevata resistenza a trazione.					
20 - ACCIAI INOX					
21 - Acciaio Inox a lavorabilità facilitata - Durezza < 250 HB 30 - Resistenza a trazione < 850 N/mm²					
1.4104	X 12 Cr Mo S 17	Z 13 CF 17	416 S 37	EN 56	430 F
1.4305	X 10 Cr Ni S 18 09	Z 8 CNF 18-09	303 S 21	EN 60	303
22 - Acciaio Inox Austenitico - Durezza < 250 HB 30 - Resistenza a trazione < 850 N/mm²					
1.4300	X 12 Cr Ni 18 8		320 S 12		
1.4301	X 5 Cr Ni 18 10	Z 6 CN 18-09	304 S 15	EN 80, EN 58 + C	304
1.4311	X 2 CrNiN 18 10	Z 3 CN 18-07 Az	304 S 61		304 LN
1.4406	X 2 CrNiMoN 17 12 2	Z 3 CND 17 11 02	316 S 61		316 LN
1.4433	X 2 CrNiMo 18 15		316 S		
1.4435	X 2 CrNiMo 18 14 3	Z3 CND 17-12-03	316 S 11		316 L
1.4539	X 1 CrNiMoCu 25 20 5	Z 1 NCDU 25-20	321 S 17		UNS N08904
1.4541	X 6 CrNiTi 18 10	Z 6 CNT 18 10	321 S 18	EN 58 J, 316	321
1.4571	X 6 CrNiMoTi 17 12 2	Z 6 CNDT 17 12	320 S 18		316 Ti
1.4573	X 10 CrNiMoTi 18 12		320 S 33		
1.4828	X 15 CrNiSi 20 12	Z 15 CNS 20-12	309 S 24		309
22.1 - Acciai Inox austenitici fusi					
1.4308	G-X 6 CrNi 18 9	Z 6 CN 18.10 M	304 C 15(LT196)		CF-8
1.4313	G-X 5 CrNi 13 4	Z 8 CD 17-01	425 C 12		CA 6 -NM
1.4408	G-X 6 CrNiMo 18 10		316 C 16(LT196)		CF-8M
1.4581	G-X 5 CrNiMoNb 18 10	Z 4 CNDNb 18.12M	318 C 17		
23 - Acciaio Inox Martensitico - Durezza < 320 HB 30 - Resistenza a trazione < 1,100 N/mm²					
1.4021	X 20 Cr 13	Z 20 C 13	420 S 37		420
1.4034	X 46 Cr 13	Z 44 C 14	(420 S 45)		
1.4057	X 20 CrNi 17 2	Z 15 CN 16-02	431 S 29		431
1.4112	X 90 CrMoV 18				
1.4116	X 45 CrMoV 15			EN 58, b.e.j.t	
1.4125	X 105 CrMo 17	Z 100 CD 17		Duplex alloys	440 C
1.4718	X 45 CrSi 9 3	Z 45 CS 9	401 S 45		HNV 3
1.4747	X 80 CrNiSi 20	Z 80 CSN 20-02	443 S 65		HNV 6
1.4086	G-X 120 Cr 29				
1.4106	G-X 10 CrMo 13				
1.4138	G-X 120 CrMo 29 2				
24 - Acciaio Inox Ferritico - Durezza < 320 HB 30 - Resistenza a trazione < 1,100 N/mm²					
1.4002	X 6 Cr Al 13	Z 8 CA 12	405 S 17		405
1.4006	X 10 Cr 13	Z 10 C 13	410 C 21		410
1.4016	X 6 Cr 17	Z 8 C 17	430 S 17		430
1.4510	X 6 Cr Ti 17	Z 8 CT 17			430 Ti
1.4512	X 6 Cr Ti 12	Z 6 CT 12	409 S 19		409
25 - Acciaio Inox Ferritico / Austenitico - Durezza < 320 HB 30 - Resistenza a trazione < 1,100 N/mm²					
1.4460	X 8 CrNiMo 27 5	Z 5 CND 27-05 Az			329
1.4582	X 4 CrNiMoNb 25 7				
1.4821	X 20 CrNiSi 25 4				

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Denominazione standard

W.Nr	GERMANIA DIN	FRANCIA AFNOR	GRAN BRETAGNA B.S.	EN & ALTRE CLASSIFICAZIONI	U.S.A. AISI
30 - GHISA					
31 - Ghisa grigia - Durezza < 150 HB 30 - Resistenza a trazione < 500 N/mm²					
0.6010	GG-10	Ft 10 D			A 48-20 B
0.6015	GG-15	Ft 20 D	Grade 150		A 48-25 B
0.6020	GG-20	Ft 25 D	Grade 220		A 48-30 B
0.6025	GG-25	Ft 30 D	Grade 260		A 48-40 B
0.6030	GG-30	Ft 30 D	Grade 300		A 48-45 B
0.6035	GG-35	Ft 35 D	Grade 350		A 48-50 B
0.6040	GG-40	Ft 40 D	Grade 400		A 48-60 B
31.1 - Meehanite - Durezza < 150 HB 30 - Resistenza a trazione < 500 N/mm²					
.....	GF - 150				
.....	GD - 260				
32 - Ghisa grigia - Durezza 150 - 300 HB 30 - Resistenza a trazione 500 - 1,000 N/mm²					
0.6020	GG - 20	Ft 25 D	Grade 220		A 48-30 B
0.6025	GG - 25	Ft 30 D	Grade 260		A 48-40 B
0.6030	GG - 30	Ft 30 D	Grade 300		A 48-45 B
0.6035	GG - 35	Ft 35 D	Grade 350		A 48-50 B
0.6040	GG - 40	Ft 40 D	Grade 400		A 48-60 B
32.1 - Meehanite - Durezza 150-300 HB 30 - Resistenza a trazione 500-1,000 N/mm²					
.....	GF - 150				
.....	GD - 260				
33 - Ghisa malleabile e grafite nodulare - Durezza < 200 HB 30 - Resistenza a trazione < 700 N/mm²					
0.7033	GGG-35.3				
0.7040	GGG-40	FGS 400-12	420 / 12		60-40-18
0.7043	GGG-40.3	FGS 370-17	370 / 17		
0.7050	GGG-50	FGS 500-7	500 / 7		65-45-12
0.7060	GGG-60	FGS 600-3	600 / 3	S.G.iron, Meehanite	80-55-06
0.8035	GTW-35		700/2,30g/72		
0.8040	GTW-40				
0.8045	GTW-45				
0.8065	GTW-65				
0.8135	GTS-35				
0.8145	GTS-45				
0.8155	GTS-55				
0.8165	GTS-65				
33.1 - Meehanite - Durezza < 200 HB 30 - Resistenza a trazione < 700 N/mm²					
	SF 400				
	SPF 600				
34 - Ghise malleabili trattate, ghise nodulari - Durezza 200-300 HB 30 - Resistenza a trazione 700 - 1,000 N/mm²					
0.7070	GGG-70	FGS 700-2	700 / 2	S.G.iron, Meehanite	100-70-03
0.7080	GGG-80	FGS 800-2	800 / 2		120-90-02
34.1 - Meehanite - Durezza 200-300 HB 30 - Resistenza a trazione 700 - 1,000 N/mm²					
	SH 800		420/12, P 440/7		
	SH 1000				
40 - TITANIO					
41 - Titanio non legato - Durezza < 200 HB 30 - Resistenza a trazione < 700 N/mm²					
3.7024.1LN	Ti 99.5				
3.7034.1LN	Ti 99.7				
3.7035	Ti 2				
3.7055	Ti 99.4		TA 1-9	Ti 99.0	
3.7064.1LN	Ti 99.2				
3.7065	Ti 4				
3.7255	Ti 3 Pd				

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W.Nr	GERMANIA DIN	FRANCIA AFNOR	GRAN BRETAGNA B.S.	EN & ALTRE CLASSIFICAZIONI	U.S.A. AISI
42 - Leghe di Titanio - Durezza < 270 HB 30 - Resistenza a trazione < 900 N/mm²					
	Ti Al 4 Mn 4				
3.7144 LN	Ti Al 5 Sn 2				
3.7124 LN	Ti Cu 2		TA 10-14, TA 17	Ti - 2AL	
3.7164 LN	Ti Al 6 V 4		TA 18		
3.7174 LN	Ti Al 6 V 6 Sn 2				
43 - Leghe di Titanio - Durezza 270-300 HB 30 - Resistenza a trazione 900-1,300 N/mm²					
3.7124 LN	Ti Cu 2				
3.7144 LN	Ti Al 6 Sn 2 Zr4 Mo2			Ti AL	
3.7154 LN	Ti Al 6 Zr 5		TA 10-13, TA 28	3.7174LN, 3.7148LN	
3.7164 LN	Ti Al 6 V 4				
3.7174 LN	Ti Al 6 V Sn 2				
3.7184 LN	Ti Al 4 Mo 4 Sn 2				
50 - NICKEL					
51 - Nickel non legato - Durezza < 150 HB 30 - Resistenza a trazione < 500 N/mm²					
2.1504 LN	Ni Al Bz				
2.4042	Ni 99 CSi		NA 11, NA 12	Nickel 200	
2.4060	Ni 99.6			Nickel 270	
2.4062	Ni 99.4 Fe				
52 - Leghe di Nickel resistenti al calore - Durezza < 270 HB 30 - Resistenza a trazione < 900 N/mm²					
2.4360 LN	Monel 400				
2.4374 LN	Monel 500				
2.4617	Hastelloy B 2			Nimonic 75	
2.4665	Hastelloy X		HR 203		
2.4812	Hastelloy C		3027-76	Hastelloy C	
2.4816	Inconel 600			Haynes Alloys 263	
1.4876	Incoloy 800				
2.4983	Udimet 500				
53 - Leghe di Nickel resistenti al calore - Durezza 270-410 HB 30 - Resistenza a trazione 900-1,400 N/mm²					
2.4631	Nimonic 80 A			Nimonic 80	
2.4632	Nimonic 90				
2.4634	Nimonic 105				
2.4662	Nimonic 901		HR 8		
2.4668	Inconel 718		HR 401, 601	Rene 41	
2.4669	Inconel X-750				
2.4670 LN	Nimocast 713				
2.4674 LN	Nimocast PK 24				
2.4856	Inconel 625				
2.6554 LN	Waspaloy				
60 - RAME					
61 - Rame non legato - Durezza < 100 HB 30 - Resistenza a trazione < 350 N/mm²					
2.0060	E - Cu 57				
2.0070	SE - Cu				
2.0090	SF - Cu		C 101		
2.1356	Cu Mn 3				
2.1522	Cu Si 2 Mn				
62 - Leghe di Rame a truciolo corto - Durezza < 200 HB 30 - Resistenza a trazione < 700 N/mm²					
62.1 - Ottone					
2.0360	Cu Zn 40(MS 60)				
2.0380	Cu Zn 39 Pb 2 (MS 58)		CZ120, CZ109		
2.0410	Cu Zn 44 Pb 2		PB104		
2.0561	Cu Zn 40 Al 1			2.1030, 2.1080	
2.0580	Cu Zn 40 Mn 1 Pb				
2.0771	Cu Ni 7 Zn 39 Mn 5 Pb3				
62.2 - Bronzo					
2.1086	G-Cu Sn 10 Zn				
2.1093	G-Cu Sn 6 Zn Ni				
2.1096	G-Cu Sn 5 Zn Pb				

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W.Nr	GERMANIA DIN	FRANCIA AFNOR	GRAN BRETAGNA B.S.	EN & ALTRE CLASSIFICAZIONI	U.S.A. AISI
63 - Leghe di Rame a truciolo lungo - Durezza < 200 HB 30 - Resistenza a trazione < 700 N/mm²					
63.1 - Ottone					
2.0250	Cu Zn 20				
2.0265	Cu Zn 30				
2.0321	Cu Zn 37		CZ108, CZ106		
2.0335	Cu Zn 36 (Ms 63)				
63.2 - Bronzo					
2.1020	Cu Sn 6				
2.1030	Cu Sn 8				
2.1080	Cu Sn 6 Zn 6				
63.3 - Leghe di Rame indurite di forgiatura					
2.1245	Cu Be 1.7				
2.1247	Cu Be 2				
2.1293	Cu Cr Zr				
64 - Leghe di Cu - Al - Fe Durezza < 440 HB 30 - Resistenza a trazione < 1,500 N/mm²					
70 - ALLUMINIO - MAGNESIO					
71 - Alluminio e Magnesio non legati - Durezza < 100 HB 30 - Resistenza a trazione < 350 N/mm²					
3.0250	Al 99.5 H				
3.0280	Al 99.8 H				
3.0305	Al 99.9				
3.3308	Al 99.9 Mg 0.5				
72 - Leghe di Alluminio, Si < 0.5% - Durezza < 180 HB 30 - Resistenza a trazione < 600 N/mm²					
72.1 - Leghe di Alluminio forgiato					
3.0515	Al Mn 1				
3.0516	S-Al Mn				
3.0525	Al Mn 1 Mg 0.5				
3.0615	Al Mg Si Pb				
3.1325	Al Cu Mg 1				
3.1355	Al Cu Mg 2				
3.3315	Al Mg 1				
3.3535	Al Mg 3				
3.4365	Al Zn Mg Cu 1.5				
72.2 - Leghe di Alluminio fuse					
3.1841	G - Al Cu 4 Ti				
3.3241	G - Al Mg 3 Si				
3.3292	GD - Al Mg 9				
73 - Leghe di Alluminio, 0.5 - 10% Si - Durezza < 180 HB 30 - Resistenza a trazione < 600 N/mm²					
73.1 - Leghe di Alluminio fuse					
3.2134	G - Al Si 5 Cu 1 Mg				
3.2152	GD - Al Si 6 Cu 4				
3.2162	GD - Al Si 8 Cu 3				
3.2373	G - Al Si 9 Mg				
74 - Leghe di Alluminio, Si > 10% - Durezza < 180 HB 30 - Resistenza a trazione < 600 N/mm²					
74.1 - Leghe di Alluminio fuse & Si					
3.2381	G - Al Si 10 Mg				
3.2383	G - Al Si 10 Mg (Cu)				
3.2581	G - Al Si 12				
3.2583	G - Al Si 12 (Cu)				
3.2982	GD - Al Si 12 (Cu)				
74.2 - Leghe di Alluminio fuse & Leghe di Magnesio					
3.5106	G - Mg Ag 3 SE 2 Zr 1				
3.5662	G - Mg Al 6				
3.5812	G - Mg Al 8 Zn 1				
3.5912	G - Mg Al 9 Zn 1				

MD



Migliorare attraverso l'innovazione



FRESE A FILETTARE IN MD

- With & without coolant holes
Threading Large Diameter in High Quality. Available with Chamfer
- Con e senza fori di refrigerazione.

Per filettature, anche di grandi dimensioni, su una vasta gamma di materiali.
Eccellente finitura superficiale, disponibili anche con tagliente per smussi.

GUIDA ALLA SELEZIONE





FRESE A FILETTARE IN MD (con e senza fori di refrigerazione)

Per filettature, anche di grandi dimensioni, su una vasta gamma di materiali.
Eccellente finitura superficiale, disponibili anche con tagliente per smussi.


FRESE A FILETTARE MD

CODICE	FOTO		DESCRIZIONE	PAG.
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Frese a filettare

L1211		M	Solid Carbide Thread Mill for ISO Metric Internal Thread - DIN13 Filettature interne, ISO Metriche, Passo Grosso - DIN 13	354
L1212		MF	Solid Carbide Thread Mill for ISO Metric Internal Thread - DIN 13 Filettature interne, ISO Metriche, Passo Fine - DIN 13	355
L1213		UNC	Solid Carbide Thread Mill for UNC Internal Thread - ANSI B 1.1 Filettature interne, Unificato, Passo Grosso - ANSI B 1.1	356
L1214		UNF	Solid Carbide Thread Mill for UNF Internal Thread - ANSI B 1.1 Filettature interne, Unificato, Passo Fine - ANSI B 1.1	357

Frese a filettare con fori di lubrificazione

L4211		M	Solid Carbide Thread Mill with Coolant Hole for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione, Filettature interne, ISO Metriche, Passo Grosso - DIN 13	358
L4212		MF	Solid Carbide Thread Mill with Coolant Hole for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione, Filettature interne, ISO Metriche, Passo Fine - DIN 13	359
L6215		BSP(G)	Solid Carbide Thread Mill with Coolant Hole for BSP(G) Internal/External Thread Con fori di lubrificazione, Filettature interne ed esterne, BSP(G)	360


Frese a filettare con fori di lubrificazione & taglienti per smussi

L4271		M	Solid Carbide Thread Mill with Coolant Hole & Chamfer for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione e taglienti per smussi, Filettature interne, ISO Metriche - DIN 13	361
L4272		MF	Solid Carbide Thread Mill with Coolant Hole & Chamfer for ISO Metric Internal Thread - DIN 13 Con fori di lubrificazione e taglienti per smussi, Filettature interne, ISO Metriche, Passo Fine - DIN 13	362
L4273		UNC	Solid Carbide Thread Mill with Coolant Hole & Chamfer for UNC Internal Thread - ANSI B 1.1 Con fori di lubrificazione e taglienti per smussi, Filettature interne, Unificato, Passo Grosso - ANSI B 1.1	363
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Frese a filettare serie mini

L12D1		M	Solid Carbide Miniature Thread Mill for ISO Metric Internal Thread - DIN13 Mini frese per filettature interne ISO Metriche Passo Grosso - DIN13	366
L12D3		UNC	Solid Carbide Miniature Thread Mill for UNC Internal Thread - ANSI B 1.1 Mini frese per filettature interne Unificato Passo Grosso - ANSI B 1.1	367
L19E1		M	Solid Carbide Miniature Thread Mill for Hard Materials, ISO Metric Internal Thread - DIN13 Mini frese per Acciai temprati ISO Metriche Passo Grosso - DIN13	368
L19E3		UNC	Solid Carbide Miniature Thread Mill for Hard Materials, UNC Internal Thread - ANSI B 1.1 Mini frese per Acciai temprati Unificato Passo Grosso - ANSI B 1.1	369

Frese fora, filetta e smussa

L41A1 L42A1		M	Solid Carbide Drill and Thread Mill with Chamfer for ISO Metric Internal Thread - DIN 13 Fresa Fora, Filetta e Smussa , Filettature interne, ISO Metriche Passo Grosso - DIN 13	370
			RECOMMENED CUTTING SPEED PARAMETRI DI TAGLIO INDICATIVI	371

FRESE A FILETTARE

◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
○	○	○		○	◎	◎	○	○
	○	○	◎	○	◎		○	◎
	○	○	◎	○	◎		○	◎
					◎	◎		

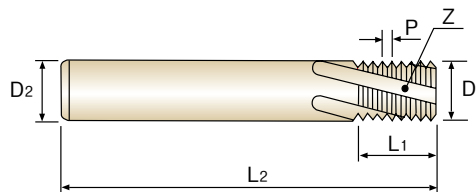


M Solid Carbide Thread Mill for ISO Metric Internal Thread - DIN 13

Filettature interne, ISO metriche, passo grosso - DIN 13

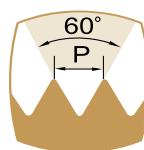
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 2 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 2 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	Passo P	Diametro di taglio D ₁	Diametro Gambo D ₂	Lunghezza Tagliente L ₁	Lunghezza Totale L ₂	N. Eliche Z
TiAlN							
L1211200	M3	0.5	2.2	6	5	57	3
L1211240	M4	0.7	2.9	6	7	57	3
L1211280	M5	0.8	3.8	6	8	57	3
L1211310	M6	1.0	4.5	6	13	57	3
L1211360	M8	1.25	6.0	6	17.5	65	3
L1211420	M10	1.5	7.5	8	21	72	4
L1211500	M12	1.75	9.5	10	26.25	80	4
L1211540	M14	2.0	10.0	10	30	83	4
L1211600	M16	2.0	12.0	12	34	92	4
L1211650	M18	2.5	14.0	14	37.5	92	5
L1211700	M20	2.5	16.0	16	42.5	105	5

◎ : Specifico ○ : Adatto

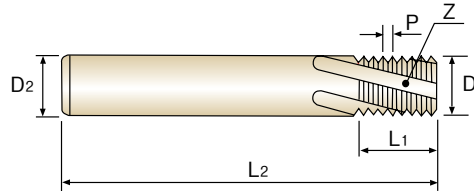
P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

MF Solid Carbide Thread Mill for ISO Metric Internal Thread - DIN 13

Filettature interne, ISO metriche, passo fine - DIN 13

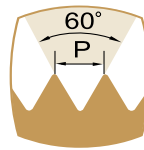
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 1.5 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 1.5 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	Passo P	Diametro di taglio D1	Diametro Gambo D2	Lunghezza Tagliente L1	Lunghezza Totale L2	N. Eliche Z
TiAlN							
L1212370	M8	1.0	6.0	6	13	57	3
L1212380	M8	0.75	6.0	6	12.75	57	3
L1212440	M10	1.0	8.0	8	16	63	4
L1212510	M12	1.5	9.5	10	19.5	72	4
L1212520	M12	1.25	9.5	10	18.75	72	4
L1212530	M12	1.0	9.5	10	19	72	4
L1212550	M14	1.5	10.0	10	22.5	83	4
L1212570	M14	1.0	10.0	10	22	83	4
L1212610	M16	1.5	12.0	12	25.5	83	4
L1212620	M16	1.0	12.0	12	25	83	4
L1212670	M18	1.5	14.0	14	28.5	92	5
L1212680	M18	1.0	14.0	14	28	92	5
L1212720	M20	1.5	16.0	16	31.5	92	5
L1212730	M20	1.0	16.0	16	31	92	5

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
○	○	○		○	○	○	○	○

◎ : Specifico ○ : Adatto



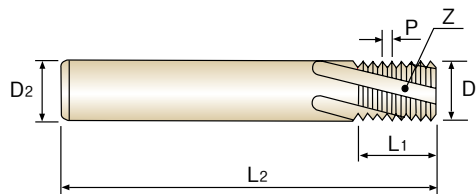
UNC

Solid Carbide Thread Mill for UNC Internal Thread - ANSI B 1.1

Filettature interne, unificato, passo grosso - ANSI B 1.1

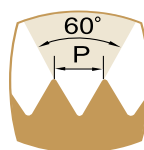
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 2 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 2 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	T.P.I	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Totale	N. Eliche
TiAlN			D1	D2	L1	L2	Z
L1213400	1/4	20	4.5	6	14	57	3
L1213440	5/16	18	5.8	6	16.9	65	3
L1213480	3/8	16	7.0	8	20.6	72	4
L1213520	7/16	14	8.0	8	23.6	72	4
L1213560	1/2	13	9.5	10	27.4	80	4
L1213600	9/16	12	10.0	10	31.8	83	4
L1213640	5/8	11	12.0	12	34.6	92	4
L1213700	3/4	10	14.0	14	40.6	104	5

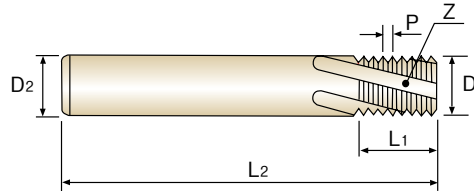
⊙ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
⊙	⊙	⊙		○	⊙	⊙	○	○

UNF Solid Carbide Thread Mill for UNF Internal Thread - ANSI B 1.1
Filettature interne, unificato, passo fine - ANSI B 1.1

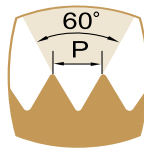
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 2 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 2 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	T.P.I	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Totale	N. Eliche
TiAlN			D1	D2	L1	L2	Z
L1214420	1/4	28	5.0	6	13.6	57	3
L1214460	5/16	24	6.0	6	16.9	65	3
L1214500	3/8	24	8.0	8	20.1	72	4
L1214540	7/16	20	8.0	8	24.1	72	4
L1214580	1/2	20	10.0	10	26.7	80	4
L1214620	9/16	18	12.0	12	29.6	83	4
L1214660	5/8	18	12.0	12	33.9	92	4
L1214720	3/4	16	14.0	14	39.7	104	5

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
○	○	○		○	○	○	○	○

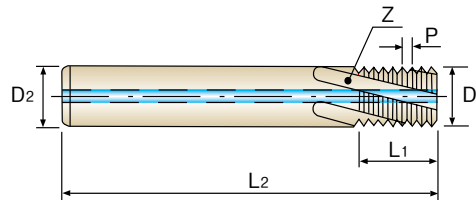
◎ : Specifico ○ : Adatto

M Solid Carbide Thread Mill with Coolant Hole for ISO Metric Internal Thread - DIN 13

Con fori di lubrificazione, Filettature interne, ISO metriche, passo grosso - DIN 13

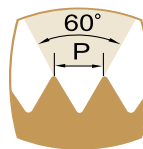
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 2 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 2 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	Passo P	Diametro di taglio D ₁	Diametro Gambo D ₂	Lunghezza Tagliente L ₁	Lunghezza Totale L ₂	N. Eliche Z
TiAlN							
L4211310	M6	1.0	4.5	6	13.0	57	3
L4211360	M8	1.25	6.0	6	17.5	65	3
L4211420	M10	1.5	7.5	8	21.0	72	4
L4211500	M12	1.75	9.5	10	26.25	80	4
L4211540	M14	2.0	10.0	10	30.0	83	4
L4211600	M16	2.0	12.0	12	34.0	92	4
L4211700	M20	2.5	16.0	16	42.5	105	5

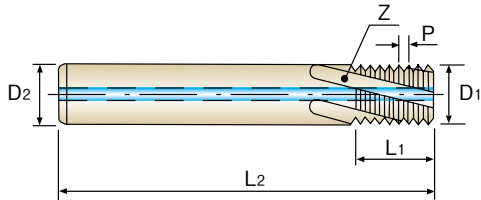
◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

MF Solid Carbide Thread Mill with Coolant Hole for ISO Metric Internal Thread - DIN 13
Con fori di lubrificazione, Filettature interne, ISO metriche, passo fine - DIN 13

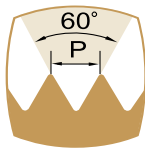
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 1.5 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 1.5 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	Passo P	Diametro di taglio D1	Diametro Gambo D2	Lunghezza Tagliente L1	Lunghezza Totale L2	N. Eliche Z
TiAlN							
L4212370	M8	1.0	6.0	6	13.0	57	3
L4212380	M8	0.75	6.0	6	12.75	57	3
L4212440	M10	1.0	8.0	8	16.0	63	4
L4212510	M12	1.5	9.5	10	19.5	72	4
L4212520	M12	1.25	9.5	10	18.75	72	4
L4212530	M12	1.0	9.5	10	19.0	72	4
L4212550	M14	1.5	10.0	10	22.5	83	4
L4212570	M14	1.0	10.0	10	22.0	83	4
L4212610	M16	1.5	12.0	12	25.5	83	4
L4212620	M16	1.0	12.0	12	25.0	83	4
L4212670	M18	1.5	14.0	14	28.5	92	5
L4212680	M18	1.0	14.0	14	28.0	92	5
L4212720	M20	1.5	16.0	16	31.5	92	5
L4212730	M20	1.0	16.0	16	31.0	92	5

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
○	○	○		○	○	○	○	○

◎ : Specifico ○ : Adatto

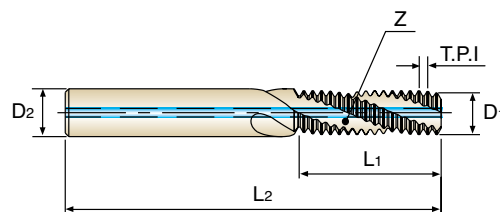


BSP(G) Solid Carbide Thread Mill with Coolant Hole for BSP(G) Internal/External Thread

Fresa con fori di lubrificazione, filettature interne ed esterne, BSP(G)

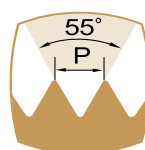
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	T.P.I	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Totale	N. Eliche
TiAlN			D1	D2	L1	L2	Z
L6215020	1/16	28	5.9	6	16.3	65	3
L6215200	1/8	28	7.9	8	20.0	70	4
L6215400	1/4	19	9.9	10	26.7	80	4
L6215480	3/8	19	13.9	14	33.4	92	4
L6215560	1/2	14	15.9	16	43.5	104	5
L6215700	3/4	14	17.9	18	34.5	100	5
L6215780	1	11	19.9	20	34.6	100	5

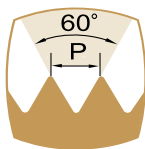
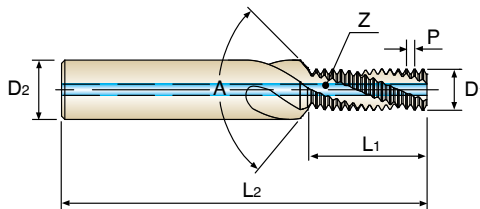
◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

M Solid Carbide Thread Mill with Coolant Hole & Chamfer for ISO Metric Internal Thread - DIN 13
Con fori di lubrificazione e taglienti per smussi, filettature interne, ISO metriche - DIN 13

► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 2×D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 2×D

Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	Passo	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Totale	Angolo	N. Eliche
TiAlN		P	D ₁	D ₂	L ₁	L ₂	A	Z
L4271310	M6	1.0	4.8	8	12.4	62	90°	3
L4271360	M8	1.25	6.5	10	16.8	74	90°	3
L4271420	M10	1.5	8.2	12	20.15	80	90°	4
L4271500	M12	1.75	9.9	14	25.25	90	90°	4
L4271540	M14	2.0	11.6	16	28.85	100	90°	4
L4271600	M16	2.0	13.6	18	32.85	102	90°	4

◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

FRESE A
FILETTARE

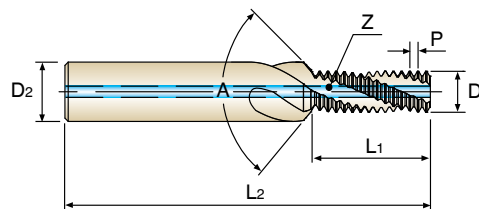
L4272 SERIES

MF

Solid Carbide Thread Mill with Coolant Hole & Chamfer for ISO Metric Internal Thread - DIN 13
Con fori di lubrificazione e taglienti per smussi, filettature interne, ISO metriche, passo fine - DIN 13

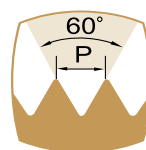
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 1.5 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 1.5 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	Passo P	Diametro di taglio D ₁	Diametro Gambo D ₂	Lunghezza Tagliente L ₁	Lunghezza Totale L ₂	Angolo A	N. Eliche Z
TiAlN								
L4272370	M8	1.0	6.7	10	12.4	74	90°	3
L4272430	M10	1.25	8.3	12	15.9	80	90°	4
L4272440	M10	1.0	8.7	12	15.4	80	90°	4
L4272510	M12	1.5	10.0	14	18.65	90	90°	4
L4272520	M12	1.25	10.3	14	18.3	80	90°	4
L4272530	M12	1.0	10.7	14	18.4	90	90°	4
L4272550	M14	1.5	12.0	16	21.65	100	90°	4
L4272610	M16	1.5	14.0	18	24.65	102	90°	5

◎ : Specifico ○ : Adatto

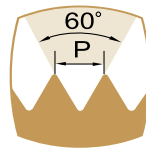
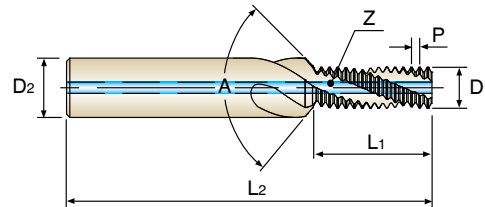
P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

UNC

Solid Carbide Thread Mill with Coolant Hole & Chamfer for UNC Internal Thread - ANSI B 1.1
 Con fori di lubrificazione e taglienti per smussi, filettature interne, unificato, passo grosso - ANSI B 1.1

► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 2×D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 2×D

Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	T.P.I	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Totale	Angolo	N. Eliche
TiAlN			D1	D2	L1	L2	A	Z
L4273400	1/4	20	4.8	8	13.3	62	90°	3
L4273440	5/16	18	6.2	10	16.18	74	90°	3
L4273480	3/8	16	7.6	12	19.8	80	90°	4
L4273520	7/16	14	8.9	12	22.62	80	90°	4
L4273560	1/2	13	10.3	14	26.32	90	90°	4
L4273600	9/16	12	11.7	16	30.63	100	90°	4
L4273640	5/8	11	13.1	18	33.41	102	90°	4
L4273700	3/4	10	16.0	20	39.29	110	90°	5

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
○	○	○		○	○	○	○	○

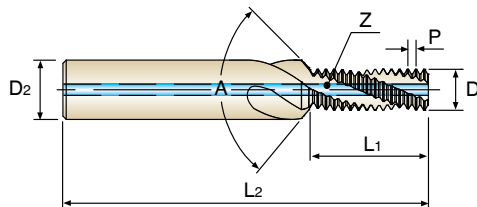
◎ : Specifico ○ : Adatto

UNF

Solid Carbide Thread Mill with Coolant Hole & Chamfer for UNF Internal Thread - ANSI B 1.1
Con fori di lubrificazione e taglienti per smussi, filettature interne, unificato, passo fine - ANSI B 1.1

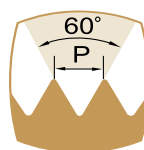
► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 2 × D

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 2 × D



Parametri di taglio : P.371

Unità : mm

CODICE	Diametro nominale [D]	T.P.I	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Totale	Angolo	N. Eliche
TiAlN			D ₁	D ₂	L ₁	L ₂	A	Z
L4274420	1/4	28	5.1	8	13.21	62	90°	3
L4274460	5/16	24	6.5	10	16.37	74	90°	3
L4274500	3/8	24	8.1	12	19.54	80	90°	4
L4274540	7/16	20	9.4	12	22.19	80	90°	4
L4274580	1/2	20	11.0	14	26	90	90°	4
L4274620	9/16	18	12.4	16	28.88	100	90°	4
L4274660	5/8	18	14.0	18	33.12	102	90°	5
L4274720	3/4	16	17.0	20	38.86	110	90°	5

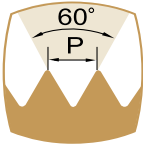
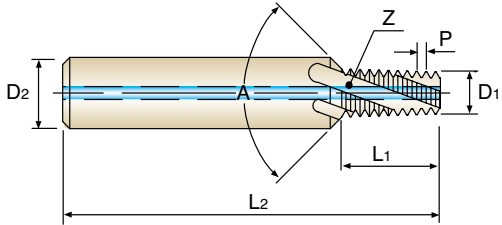
◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

NPT Solid Carbide Thread Mill with Coolant Hole & Chamfer for NPT Thread - ANSI B 1.20.1
Con fori di lubrificazione e taglienti per smussi - filettature NPT - ANSI B 1.20.1

► Easy to cut threads even if exotic materials like Nickel, Titanium or their alloys.

► Facilità di taglio anche su materiali esotici come Nichel, Titanio o loro leghe.



- Material : Solid Carbide
- Shank : DIN6535 HA
- Spiral Angle : 15°
- Short thread length : 9 × P

- Materiale : Metallo Duro
- Gambo: DIN 6535 HA
- Angolo D'elica : 15°
- L. Max di filettatura : 9 × P

Parametri di taglio : P.371

Unità : mm

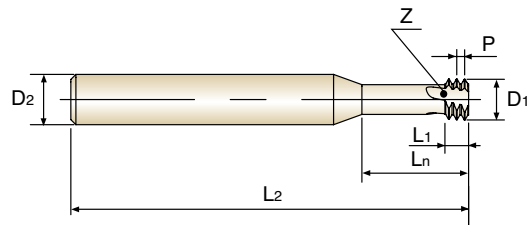
CODICE	Diametro nominale [D]	T.P.I	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Totale	Angolo	N. Eliche
TiAlN			D1	D2	L1	L2	A	Z
L4276020	NPT1/16	27	5.9	10	8.9	64	90°	3
L4276200	NPT1/8	27	7.8	12	8.9	70	90°	4
L4276400	NPT1/4	18	10.05	16	13.4	81	90°	4
L4276480	NPT3/8	18	13.45	18	13.4	81	90°	4

◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

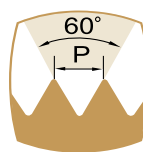
M Solid Carbide Miniature Thread Mill for ISO Metric Internal Thread - DIN13

Mini frese per filettature interne ISO metriche passo grosso - DIN 13



- ▶ Material : Solid Carbide
- ▶ Shank : DIN6535 HA
- ▶ Spiral Angle : 15°
- ▶ Short thread length : 3 × P

- ▶ Materiale : Metallo Duro
- ▶ Gambo: DIN 6535 HA
- ▶ Angolo D'elica : 15°
- ▶ L. Max di filettatura : 3 × P



Parametri di taglio : P.371

Unità : mm

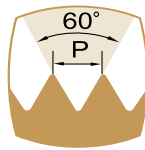
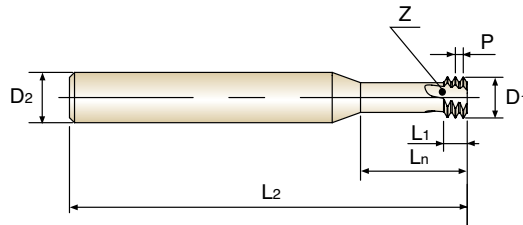
CODICE	Diametro nominale [D]	Passo P	Diametro di taglio D ₁	Diametro Gambo D ₂	Lunghezza Tagliente L ₁	Lunghezza Scarico L _n	Lunghezza Totale L ₂	N. Eliche Z
TiAlN								
L12D1010	M1	0.25	0.70	3	0.75	2.1	30	3
L12D1050	M1.2	0.25	0.90	3	0.75	2.5	30	3
L12D1070	M1.4	0.3	1.04	3	0.90	2.9	30	3
L12D1090	M1.6	0.35	1.18	3	1.05	3.4	30	3
L12D1130	M2	0.4	1.52	6	1.2	4.2	57	3
L12D1150	M2.2	0.45	1.66	6	1.35	4.6	57	3
L12D1170	M2.5	0.45	1.96	6	1.35	5.3	57	3
L12D1200	M3	0.5	2.4	6	1.5	6.3	57	3
L12D1240	M4	0.7	3.16	6	2.1	8.4	57	3
L12D1280	M5	0.8	4.04	6	2.4	10.5	57	3
L12D1310	M6	1.0	4.8	6	3.0	12.6	57	3
L12D1360	M8	1.25	6.5	8	3.75	16.8	63	3
L12D1420	M10	1.5	8.2	10	4.5	21.0	73	3
L12D1500	M12	1.75	9.9	10	5.25	25.2	73	3

◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

UNC

Solid Carbide Miniature Thread Mill for UNC Internal Thread - ANSI B 1.1
 Mini frese per filettature interne unificato passo grosso - ANSI B 1.1



- ▶ Material : Solid Carbide
- ▶ Shank : DIN6535 HA
- ▶ Spiral Angle : 15°
- ▶ Short thread length : 3 × P

- ▶ Materiale : Metallo Duro
- ▶ Gambo: DIN 6535 HA
- ▶ Angolo D'elica : 15°
- ▶ L. Max di filettatura : 3 × P

Parametri di taglio : P.371

Unità : mm

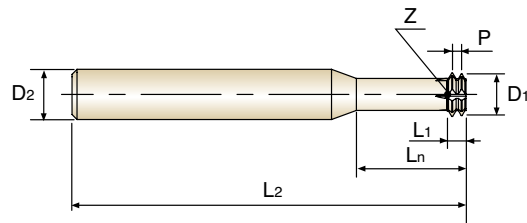
CODICE	Diametro nominale [D]	T.P.I	Diametro di taglio	Diametro Gambo	Lunghezza Tagliente	Lunghezza Scarico	Lunghezza Totale	N. Eliche
TiAlN			D1	D2	L1	Ln	L2	Z
L12D3040	#1	64	1.38	6	1.19	3.9	57	3
L12D3080	#2	56	1.64	6	1.36	4.6	57	3
L12D3160	#4	40	2.08	6	1.91	6.0	57	3
L12D3240	#6	32	2.55	6	2.38	7.4	57	3
L12D3280	#8	32	3.21	6	2.38	8.7	57	3
L12D3320	#10	24	3.56	6	3.18	10.1	57	3
L12D3360	#12	24	4.22	6	3.18	11.5	57	3
L12D3400	1/4	20	4.83	6	3.81	13.3	57	3
L12D3440	5/16	18	6.24	8	4.23	16.7	63	3
L12D3480	3/8	16	7.62	8	4.76	20.0	63	3
L12D3520	7/16	14	8.94	10	5.44	23.3	73	3

◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titano e sue leghe	Leghe di Cromo-Nichel
◎	◎	◎		○	◎	◎	○	○

M Solid Carbide Miniature Thread Mill for Hard Materials, ISO Metric Internal Thread - DIN13

Mini frese per acciai temprati ISO metriche passo grosso - DIN 13

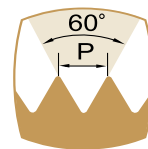


- ▶ Material : Solid Carbide
- ▶ Shank : DIN6535 HA
- ▶ Straight Flute
- ▶ Short thread length : $2 \times P$
- ▶ Left hand Cut (CNC code : M04)
- ▶ The work direction is from top to bottom (Climb Milling)

▶ **For hard materials up to HRc62**

Parametri di taglio : P.371

- ▶ Materiale : Metallo Duro
- ▶ Gambo: DIN 6535 HA
- ▶ Taglienti dritti
- ▶ L. Max di filettatura : $2 \times P$
- ▶ Direzione di taglio sinistra (CNC code : M04)
- ▶ Eseguire la lavorazione dall'alto verso il basso
- ▶ Per lavorazione di acciai fino a HRc62



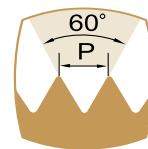
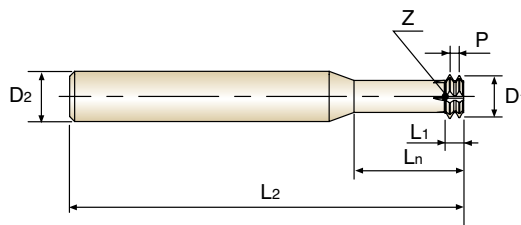
Unità : mm

CODICE	Diametro nominale [D]	Passo P	Diametro di taglio D ₁	Diametro Gambo D ₂	Lunghezza Tagliente L ₁	Lunghezza Scarico L _n	Lunghezza Totale L ₂	N. Eliche Z
AITiN								
L19E1130	M2	0.4	1.52	6	0.8	4.2	57	4
L19E1150	M2.2	0.45	1.66	6	0.9	4.6	57	4
L19E1170	M2.5	0.45	1.96	6	0.9	5.3	57	4
L19E1200	M3	0.5	2.4	6	1.0	6.3	57	4
L19E1240	M4	0.7	3.16	6	1.4	8.4	57	4
L19E1280	M5	0.8	4.04	6	1.6	10.5	57	4
L19E1310	M6	1.0	4.8	6	2.0	12.6	57	5
L19E1360	M8	1.25	6.5	8	2.5	16.8	63	5
L19E1420	M10	1.5	8.2	10	3.0	21.0	73	6
L19E1500	M12	1.75	9.9	10	3.5	25.2	73	6

⊙ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
	○	⊙	⊙	○	⊙		○	⊙

UNC Solid Carbide Miniature Thread Mill for Hard Materials, UNC Internal Thread - ANSI B 1.1
 Mini frese per acciai temprati unificato passo grosso - ANSI B 1.1



- ▶ Material : Solid Carbide
- ▶ Shank : DIN6535 HA
- ▶ Straight Flute
- ▶ Short thread length : 2×P
- ▶ Left hand Cut (CNC code : M04)
- ▶ The work direction is from top to bottom (Climb Milling)
- ▶ **For hard materials up to HRc62**

- ▶ Materiale : Metallo Duro
- ▶ Gambo: DIN 6535 HA
- ▶ Taglienti dritti
- ▶ L. Max di filettatura : 2×P
- ▶ Direzione di taglio sinistra (CNC code : M04)
- ▶ Eseguire la lavorazione dall'alto verso il basso
- ▶ Per lavorazione di acciai fino a HRc62

Parametri di taglio : P.371

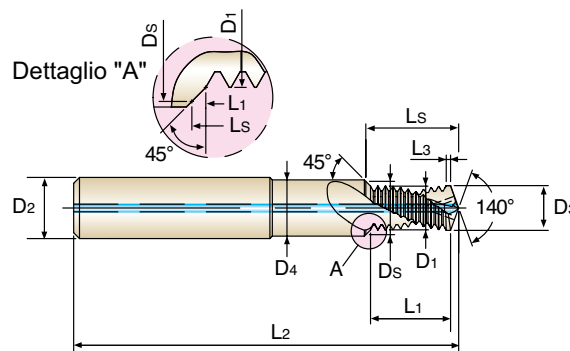
Unità : mm

CODICE AITiN	Diametro nominale [D]	T.P.I	Diametro di taglio D1	Diametro Gambo D2	Lunghezza Tagliente L1	Lunghezza Scarico Ln	Lunghezza Totale L2	N. Eliche Z
L19E3080	#2	56	1.64	6	0.91	4.6	57	4
L19E3160	#4	40	2.08	6	1.27	6.0	57	4
L19E3240	#6	32	2.55	6	1.59	7.4	57	4
L19E3280	#8	32	3.21	6	1.59	8.7	57	4
L19E3320	#10	24	3.56	6	2.12	10.1	57	4
L19E3360	#12	24	4.22	6	2.12	11.5	57	4
L19E3400	1/4	20	4.83	6	2.54	13.3	57	5
L19E3440	5/16	18	6.24	8	2.82	16.7	63	5
L19E3480	3/8	16	7.62	8	3.18	20.0	63	6
L19E3520	7/16	14	8.94	10	3.63	23.3	73	6

◎ : Specifico ○ : Adatto

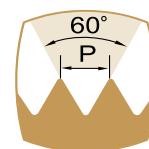
P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
	○	◎	◎	○	◎		○	◎

M

Solid Carbide Drill and Thread Mill with Chamfer for ISO Metric Internal Thread - DIN 13
Fresa fora, filetta e smussa , filettature interne, ISO metriche passo grosso - DIN 13


- ▶ Material : Solid Carbide
- ▶ Shank : DIN6535 HA
- ▶ Short thread length : $2 \times D$
- ▶ No. of Flute : 2
- ▶ 140° Drill Point, 90° Countersink
- ▶ Drilling, Chamfering and Thread milling

- ▶ Materiale : Metallo Duro
- ▶ Gambo: DIN 6535 HA
- ▶ L. Max di filettatura : $2 \times D$
- ▶ N. Eliche : 2
- ▶ 140° Angolo di testa, 90° smusso
- ▶ Fora, Filetta e Smussa



Parametri di taglio : P.371

Unità : mm

CODICE		Diametro nominale [D]	Passo	Diametro di taglio	Diametro Gambo	Diametro effettivo	Diametro punta	Diam. smusso	Lungh. Tagliente	Lungh. effettiva	Lungh. punta	Lungh. Totale
Non rivestita	TiAIN	[D]	P	D1	D2	Ds	D3	D4	L1	Ls	L3	L2
L41A1310	L42A1310	M6	1.0	4.75	8	6.3	5.00	6.6	13.00	14.68	1.00	62
L41A1360	L42A1360	M8	1.25	6.35	10	8.3	6.75	9.0	16.27	18.48	1.25	74
L41A1420	L42A1420	M10	1.5	7.95	12	10.3	8.50	11.0	21.05	23.77	1.50	79
L41A1500	L42A1500	M12	1.75	9.95	14	12.3	10.25	13.5	24.21	27.25	1.50	89
L41A1540	L42A1540	M14	2.0	11.20	16	14.3	12.00	15.5	29.58	33.32	1.50	102

◎ : Specifico ○ : Adatto

P			H	M	K	N	S	
Acciai al Carbonio	Acciai legati	Acciai term. trattati	Acciai Temprati	Acciai INOX	Ghisa	Materiali non ferrosi	Titanio e sue leghe	Leghe di Cromo-Nichel
					◎	◎		

RECOMMENED CUTTING SPEED
PARAMETRI DI TAGLIO INDICATIVI
PARAMETRI DI TAGLIO PER FRESE A FILETTARE

Unità : mm

Materiali	Durezza (HB)	Rm (N/mm ²)	Vc (m/min)	Avanzamento per dente fz (mm/dente)	
				Diametro di taglio ≤Ø8.0	Diametro di taglio >Ø8.0
Acciai a basso tenore di Carbonio	≤ 200	≤ 700	80 - 120	0.02 - 0.04	0.04 - 0.10
Acciai a medio e alto tenore di carbonio	≤ 250	≤ 850	80 - 120	0.02 - 0.04	0.04 - 0.10
Acciai legati	≤ 250	≤ 850	80 - 120	0.02 - 0.04	0.04 - 0.10
Acciai termicamente trattati	≤ 400	≤ 1400	60 - 100	0.02 - 0.04	0.04 - 0.10
Acciai INOX	≤ 300	≤ 1000	40 - 80	0.01 - 0.02	0.02 - 0.06
Ghisa	≤ 300	≤ 1000	50 - 100	0.02 - 0.04	0.04 - 0.10
Leghe di Cromo-Nichel Titanio e sue leghe	≤ 350	≤ 1200	20 - 60	0.01 - 0.02	0.02 - 0.06
Materiali non ferrosi	≤ 200	≤ 700	100 - 300	0.03 - 0.07	0.05 - 0.10

PARAMETRI DI TAGLIO PER FRESE FORA - FILETTA - SMUSSA

Unità : mm

Materiali	Durezza (HB)	Rm (N/mm ²)	Vc (m/min)	Avanzamento per dente (fz)		Foratura Avanzamento a giro (fn)	
				Diametro di taglio ≤Ø8.0	Diametro di taglio >Ø8.0	Diametro di taglio ≤Ø8.0	Diametro di taglio >Ø8.0
Ghisa	≤ 200	≤ 700	80 - 150	0.03 - 0.08	0.08 - 0.12	0.10 - 0.20	0.20 - 0.25
Alluminio e sue leghe Magnesio	≤ 180	≤ 600	100 - 300	0.05 - 0.10	0.10 - 0.15	0.10 - 0.20	0.20 - 0.30
Materiali Plastici	-	-	80 - 150	0.05 - 0.10	0.10 - 0.15	0.10 - 0.20	0.20 - 0.30

PARAMETRI DI TAGLIO PER MINI FRESE A FILETTARE PER ACCIAI TEMPRATI

Unità : mm

Materiali	Durezza (HB)	Rm (N/mm ²)	Vc (m/min)	Avanzamento per dente fz (mm/dente)	
				Diametro di taglio ≤Ø6.0	Diametro di taglio >Ø6.0
Acciai Legati	295 - 415HB	1000 - 1400	80 - 120	0.02 - 0.04	0.04 - 0.06
Acciai Inox	280 - 415HB	950 - 1250	40 - 80	0.02 - 0.04	0.04 - 0.06
Ghisa	≤ HB300	≤ 1000	50 - 100	0.03 - 0.05	0.05 - 0.07
Leghe di Cromo-Nichel Titanio e sue leghe	≤ HB445	≤ 1500	20 - 60	0.02 - 0.03	0.03 - 0.05
Materiali Temprati	45 - 50HRc	-	25 - 70	0.03 - 0.05	0.05 - 0.07
	51 - 55HRc	-	25 - 60	0.02 - 0.04	0.04 - 0.06
	56 - 62HRc	-	25 - 50	0.01 - 0.03	0.03 - 0.05



TO CALCULATE SPEED & FEED RATES CALCOLO DEI PARAMETRI DI FILETTATURA

Legenda

- N** : Numero di Giri (giri/min)
- V** : Velocità di taglio (m/min)
- d** : Diametro nominale utensile (mm)
- Vf** : Avanzamento tavola (mm/min)
- fz** : Avanzamento dente (mm)
- Z** : Numero di denti
- Vf₁** : Avanzamento tavola a centro fresa (mm/min)
- D** : Diametro del componente da filettare (mm)

Numero di giri

$$N = \frac{V_c \times 1000}{\pi \times d} = (\text{giri/min})$$

Velocità di taglio

$$V_c = \frac{\pi \times d \times N}{1000} = (\text{m/min})$$

Avanzamento tavola

$$V_f = f_z \times Z \times N = (\text{mm/min})$$

Avanzamento tavola da impostare

$$V_{f_1} = \frac{V_f \times (D - d)}{D} = (\text{mm/min})$$

MD



Migliorare attraverso l'innovazione



MASCHI IN METALLO DURO



- Tapping Cast Iron and High Silicon Aluminium, Mass Production, High Productivity
- Maschi per filettature su ghisa, leghe di alluminio ad alta percentuale di silicio. Elevata produttività nella produzione di serie

GUIDA ALLA SELEZIONE

MASCHI MD

Per maschiatura di ghise, alluminio con alto tenore di silicio ed acciai temprati.
Elevata produttività in produzioni di serie.

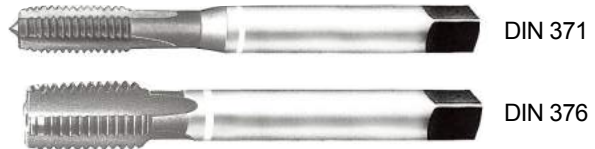
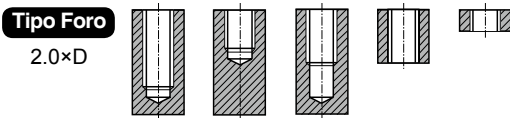
MASCHI IN METALLO DURO

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento Superficiale	PAG.
T0993		MD	M	GG	DIN 371/376	6HX	C	2.0D	Lucido	375
T0997-TIC		MD	M	HR	DIN 371/376	6HX	C	2.0D	TiCN	376
T0999-TIC		MD	M	HR	DIN 371/376	6HX	D	2.0D	TiCN	377

M ISO metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

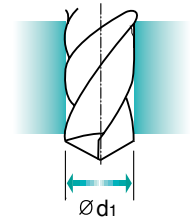
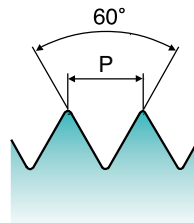
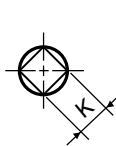
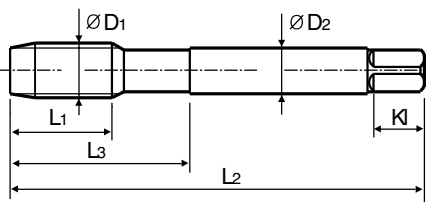
► Carbide tap can increase tool life longer than HSS taps due to higher hardness. Suitable for cast iron and high silicon aluminiums.

► I maschi in metallo duro possono aumentare la durata rispetto a quelli in HSS grazie alla loro maggiore durezza. Adatti alla maschiatura di ghisa e leghe di alluminio con alta percentuale di silicio.



GG **MD** **DIN 371/376** **6HX** **60°** **C** **Lucido**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M3	x 0.5	T0993206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	T0993226	12	56	20	4	3	6	3	2.9
M4	x 0.7	T0993246	13	63	21	4.5	3.4	6	3	3.3
M5	x 0.8	T0993286	15	70	25	6	4.9	8	4	4.2
M6	x 1.0	T0993316	17	80	30	6	4.9	8	4	5
M8	x 1.25	T0993366	20	90	35	8	6.2	9	4	6.8
M10	x 1.5	T0993426	22	100	39	10	8	11	4	8.5
M12	x 1.75	T0993506	24	110	44	9	7	10	4	10.2
M14	x 2.0	T0993546	26	110	44	11	9	12	4	12
M16	x 2.0	T0993606	27	110	44	12	9	12	4	14
M18	x 2.5	T0993656	30	125	50	14	11	14	4	15.5
M20	x 2.5	T0993706	32	140	54	16	12	15	4	17.5

► DIN 371(M2~M10) e DIN 376(M11~M20)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

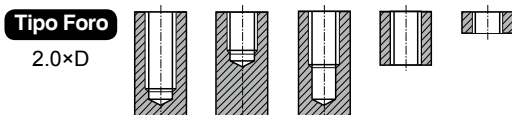
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

M ISO metric coarse threads DIN 13

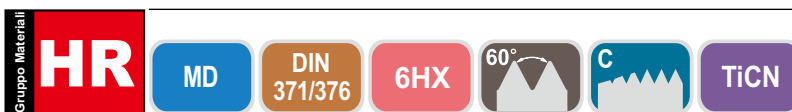
ISO Metrico passo grosso DIN 13

► Carbide tap can increase tool life longer than HSS taps due to higher hardness. Suitable for hardened steels (HRc50~60)

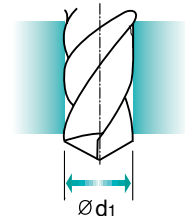
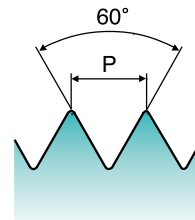
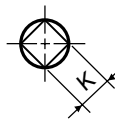
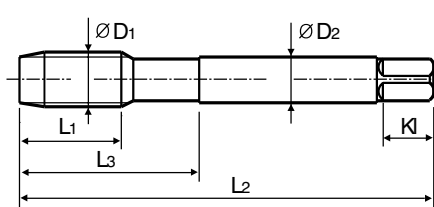
► I maschi in metallo duro possono aumentare la durata rispetto a quelli in HSS grazie alla loro maggiore durezza. Adatti alla maschiatura di acciai fino a 50~60 HRc



DIN 371/376



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD ₁	P	TiCN	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M3 x 0.5		T0997206TIC	11	56	18	3.5	2.7	6	4	2.55
M4 x 0.7		T0997246TIC	13	63	21	4.5	3.4	6	4	3.4
M5 x 0.8		T0997286TIC	15	70	25	6	4.9	8	4	4.3
M6 x 1.0		T0997316TIC	17	80	30	6	4.9	8	5	5.1
M8 x 1.25		T0997366TIC	20	90	35	8	6.2	9	5	6.9
M10 x 1.5		T0997426TIC	22	100	39	10	8	11	5	8.6
M12 x 1.75		T0997506TIC	24	110	-	9	7	12	5	10.4
M14 x 2.0		T0997546TIC	26	110	-	11	9	12	6	12.2
M16 x 2.0		T0997606TIC	27	110	-	12	9	12	6	14.2
M18 x 2.5		T0997656TIC	30	125	-	14	11	14	6	15.7
M20 x 2.5		T0997706TIC	32	140	-	16	12	15	6	17.7

► DIN 371 (M3~M10) e DIN 376 (M12~M20)

Unità : N/mm²

◎ : Specifico ○ : Adatto

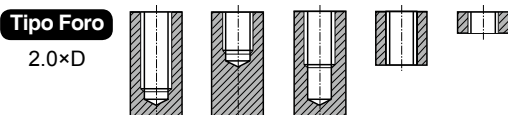
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				○	◎			○						
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
					○		◎						○	○

M ISO metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

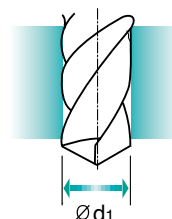
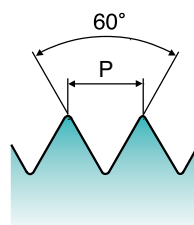
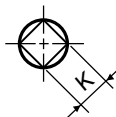
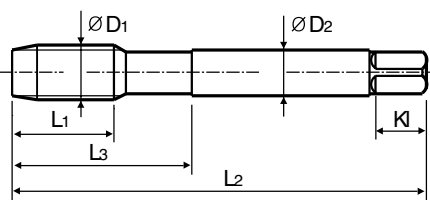
► Carbide tap can increase tool life longer than HSS taps due to higher hardness. Suitable for hardened steels (HRc50~60)

► I maschi in metallo duro possono aumentare la durata rispetto a quelli in HSS grazie alla loro maggiore durezza. Adatti alla maschiatura di acciai fino a 50~60 HRc



DIN 371/376

Gruppo Materiali
HR
MD
DIN 371/376
6HX
60°
D
TICN

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TICN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3 x 0.5		T0999206TIC	11	56	18	3.5	2.7	6	4	2.55
M4 x 0.7		T0999246TIC	13	63	21	4.5	3.4	6	4	3.4
M5 x 0.8		T0999286TIC	15	70	25	6	4.9	8	4	4.3
M6 x 1.0		T0999316TIC	17	80	30	6	4.9	8	5	5.1
M8 x 1.25		T0999366TIC	20	90	35	8	6.2	9	5	6.9
M10 x 1.5		T0999426TIC	22	100	39	10	8	11	5	8.6
M12 x 1.75		T0999506TIC	24	110	-	9	7	12	5	10.4
M14 x 2.0		T0999546TIC	26	110	-	11	9	12	6	12.2
M16 x 2.0		T0999606TIC	27	110	-	12	9	12	6	14.2
M18 x 2.5		T0999656TIC	30	125	-	14	11	14	6	15.7
M20 x 2.5		T0999706TIC	32	140	-	16	12	15	6	17.7

► DIN 371 (M3~M10) e DIN 376 (M12~M20)

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
				○	◎			○						
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termodur.	Plastica CFRP
						○	◎						○	○



HSS-PM



Migliorare attraverso l'innovazione



PRIME TAPS

- Premium Spiral Point and Spiral Flute Taps
Multi Purpose tapping/ Excellent and reliable performance on various work materials/
YG-1's Patent
- Maschi per filettature cieche & passanti in HSS-PM
Multi applicazione, per lavorazioni su una vasta gamma di materiali
Brevetto YG-1





GUIDA ALLA SELEZIONE

PRIME TAPS

Eccellenti prestazioni su una vasta gamma di materiali, Brevetto YG-1

PRIME TAPS

● PER FORI CIECHI ● PER FORI PASSANTI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento Superficiale	PAG.
● TRE03		HSS-PM	M	MU	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	381
● TRE04		HSS-PM	MF	MU	DIN 374	ISO 2/6H	C	2.5D	Lucido	382
● TRE13		HSS-PM	UNC	MU	DIN 371/376	2B	C	2.5D	Lucido	384
● TRE14		HSS-PM	UNF	MU	DIN 371/374	2B	C	2.5D	Lucido	385
● TRJ03		HSS-PM	M	MU	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	386
● TRJ04		HSS-PM	MF	MU	DIN 374	ISO 2/6H	B	3.0D	Lucido	387
● TRJ13		HSS-PM	UNC	MU	DIN 371/376	2B	B	3.0D	Lucido	389
● TRJ14		HSS-PM	UNF	MU	DIN 371/374	2B	B	3.0D	Lucido	390

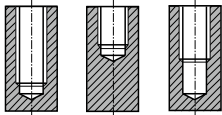
M ISO metric coarse threads DIN 13 ISO Metricco passo grosso DIN 13

- ▶ Excellent performance on various work materials.
- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
- ▶ All Prime taps are made of HSS-PM (Powder Metallurgy).

- ▶ Eccellenti prestazioni su una vasta gamma di materiali.
- ▶ La speciale geometria previene filettature sovradimensionate.
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM.

Tipo foro

2.5×D



DIN 371/376



HSS-PM

DIN 371/376

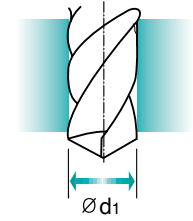
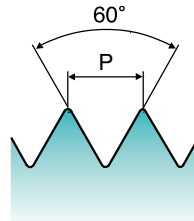
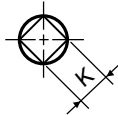
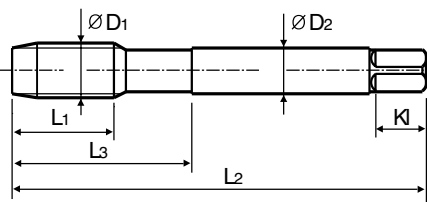
6H



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TRE03136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TRE03156	8	45	13	2.8	2.1	5	3	1.75
M2.3	x 0.4	TRE03196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TRE03176	9	50	15	2.8	2.1	5	3	2.05
M2.6	x 0.45	TRE03496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TRE03206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TRE03226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TRE03246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TRE03266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TRE03286	8	70	25	6	4.9	8	3	4.2
M6	x 1.0	TRE03316	10	80	30	6	4.9	8	3	5
M7	x 1.0	TRE03346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TRE03366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TRE03396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TRE03426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TRE03466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TRE03506	18	110	44	9	7	10	3	10.2
M14	x 2.0	TRE03546	20	110	44	11	9	12	3	12
M16	x 2.0	TRE03606	20	110	44	12	9	12	3	14
M18	x 2.5	TRE03656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TRE03706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TRE03746	25	140	54	18	14.5	17	4	19.5
M24	x 3.0	TRE03786	30	160	60	18	14.5	17	4	21
M27	x 3.0	TRE03866	30	160	60	20	16	19	4	24
M30	x 3.5	TRE03946	35	180	70	22	18	21	4	26.5

▶ DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoisolante	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

MF ISO metric fine threads DIN 13

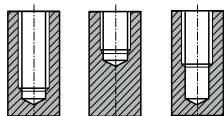
ISO Metrico passo fine DIN 13

- ▶ Excellent performance on various work materials.
- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
- ▶ All Prime taps are made of HSS-PM (Powder Metallurgy).

- ▶ Eccellenti prestazioni su una vasta gamma di materiali.
- ▶ La speciale geometria previene filettature sovradimensionate.
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM.

Tipo foro

2.5×D



DIN 374

Gruppo Materiali

MU

HSS-PM

DIN 374

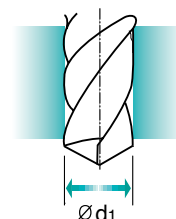
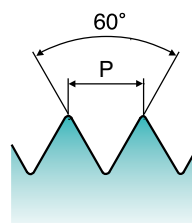
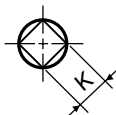
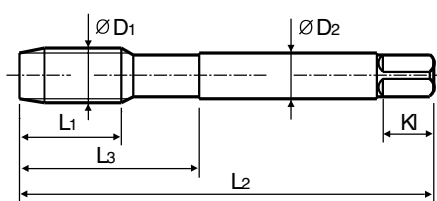
6H

60°

C

Lucido

R40

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M4	x 0.5	TRE04256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TRE04296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TRE04326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TRE04336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TRE04356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1.0	TRE04376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TRE04386	8	80	30	6	4.9	8	3	7.2
M10	x 1.25	TRE04436	16	100	40	7	5.5	8	3	8.8
M10	x 1.0	TRE04446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TRE04456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TRE04516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TRE04526	15	100	40	9	7	10	3	10.8
M12	x 1.0	TRE04536	11	100	40	9	7	10	3	11
M14	x 1.5	TRE04556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TRE04566	15	100	40	11	9	12	3	12.8
M14	x 1.0	TRE04576	11	100	40	11	9	12	3	13
M16	x 1.5	TRE04616	15	100	40	12	9	12	3	14.5
M16	x 1.0	TRE04626	12	100	40	12	9	12	3	15
M18	x 1.5	TRE04676	17	110	44	14	11	14	4	16.5
M18	x 1.0	TRE04686	13	110	44	14	11	14	4	17
M20	x 1.5	TRE04726	17	125	50	16	12	15	4	18.5
M20	x 1.0	TRE04736	14	125	50	16	12	15	4	19
M22	x 1.5	TRE04766	17	125	50	18	14.5	17	4	20.5
M22	x 1.0	TRE04776	14	125	50	18	14.5	17	4	21

▶ SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎



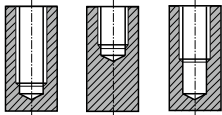
MF ISO metric fine threads DIN 13 ISO Metrico passo fine DIN 13

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- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
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- ▶ Eccellenti prestazioni su una vasta gamma di materiali.
- ▶ La speciale geometria previene filettature sovradimensionate.
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM.

Tipo foro

2.5×D



DIN 374



HSS-PM

DIN 374

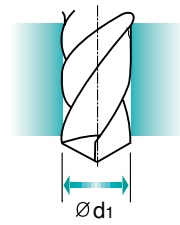
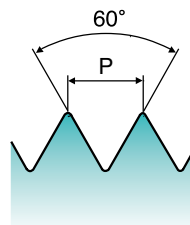
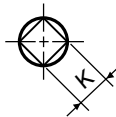
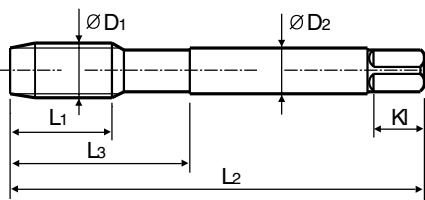
6H



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M24 x 2		TRE04796	20	140	54	18	14.5	17	4	22
M24 x 1.5		TRE04806	20	140	54	18	14.5	17	4	22.5
M26 x 1.5		TRE04856	20	140	54	18	14.5	17	4	24.5
M27 x 2		TRE04876	20	140	54	20	16	19	4	25
M27 x 1.5		TRE04886	20	140	54	20	16	19	4	25.5
M28 x 1.5		TRE04916	20	140	54	20	16	19	4	26.5
M30 x 2		TRE04966	22	150	57	22	18	21	4	28
M30 x 1.5		TRE04976	22	150	57	22	18	21	4	28.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNC

Unified coarse threads

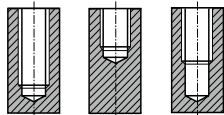
Unificato passo grosso

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- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
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- ▶ La speciale geometria previene filettature sovradimensionate
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM

Tipo foro

2.5×D



DIN 371/376



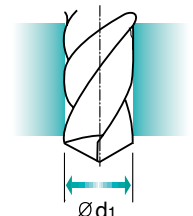
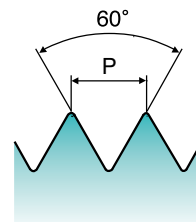
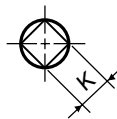
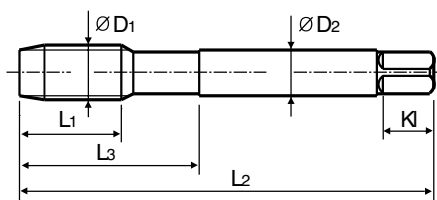
HSS-PM

DIN 371/376

2B



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
#4	- 40UNC	TRE13162	6	56	18	3.5	2.7	6	3	2.3
#5	- 40UNC	TRE13202	7	56	18	3.5	2.7	6	3	2.6
#6	- 32UNC	TRE13242	7	56	20	4	3	6	3	2.85
#8	- 32UNC	TRE13282	8	63	21	4.5	3.4	6	3	3.5
#10	- 24UNC	TRE13322	10	70	25	6	4.9	8	3	3.9
#12	- 24UNC	TRE13362	10	80	30	6	4.9	8	3	4.5
1/4	- 20UNC	TRE13402	13	80	30	7	5.5	8	3	5.2
5/16	- 18UNC	TRE13442	14	90	35	8	6.2	9	3	6.6
3/8	- 16UNC	TRE13482	16	100	39	9	7	10	3	8
7/16	- 14UNC	TRE13522	17	100	40	8	6.2	9	3	9.4
1/2	- 13UNC	TRE13562	20	110	44	9	7	10	3	10.75
9/16	- 12UNC	TRE13602	20	110	44	11	9	12	3	12.25
5/8	- 11UNC	TRE13642	22	110	44	12	9	12	3	13.5
3/4	- 10UNC	TRE13702	25	125	50	14	11	14	4	16.5
7/8	- 9UNC	TRE13742	27	140	54	18	14.5	17	4	19.5
1	- 8UNC	TRE13782	30	160	60	20	16	19	4	22.25

▶ DIN371 (#4~3/8) and DIN376 (7/16~1)

Unità : N/mm²

⊙ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNF Unified fine threads

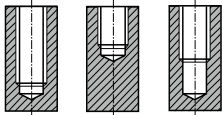
Unificato passo fine

- ▶ Excellent performance on various work materials.
- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
- ▶ All Prime taps are made of HSS-PM (Powder Metallurgy).

- ▶ Eccellenti prestazioni su una vasta gamma di materiali
- ▶ La speciale geometria previene filettature sovradimensionate
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM

Tipo foro

2.5×D



HSS-PM

DIN 371/374

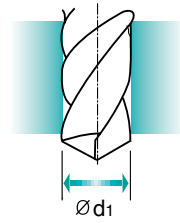
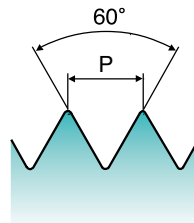
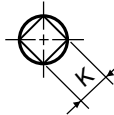
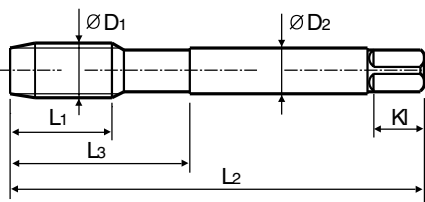
2B



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TRE14182	6	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TRE14222	7	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TRE14262	7	56	20	4	3	6	3	3
#8	- 36 UNF	TRE14302	8	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TRE14342	10	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TRE14382	10	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TRE14422	10	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TRE14462	10	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TRE14502	10	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TRE14542	13	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TRE14582	13	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TRE14622	15	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TRE14662	15	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TRE14722	17	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TRE14762	17	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TRE14802	20	140	54	20	16	19	4	23.25

▶ DIN371 (#4~3/8) and DIN374 (7/16~1)

Unità : N/mm²

⊙ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

M ISO metric coarse threads DIN 13

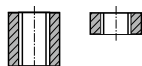
ISO Metric passo grosso DIN 13

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Tipo foro

3.0×D



DIN 371/376

Gruppo Materiali

MU

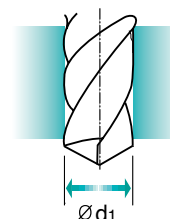
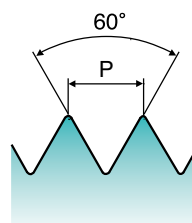
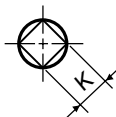
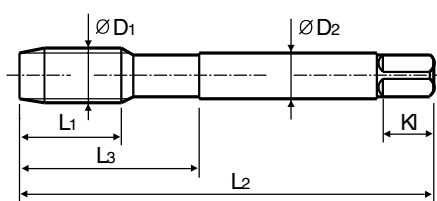
HSS-PM

DIN 371/376

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TRJ03136	8	45	13	2.8	2.1	5	2	1.6
M2.2	x 0.45	TRJ03156	8	45	13	2.8	2.1	5	2	1.75
M2.3	x 0.4	TRJ03196	8	45	13	2.8	2.1	5	2	1.9
M2.5	x 0.45	TRJ03176	9	50	15	2.8	2.1	5	2	2.05
M2.6	x 0.45	TRJ03496	9	50	15	2.8	2.1	5	2	2.1
M3	x 0.5	TRJ03206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TRJ03226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TRJ03246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TRJ03266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TRJ03286	15	70	25	6	4.9	8	3	4.2
M6	x 1.0	TRJ03316	17	80	30	6	4.9	8	3	5
M7	x 1.0	TRJ03346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TRJ03366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TRJ03396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TRJ03426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TRJ03466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TRJ03506	24	110	44	9	7	10	3	10.2
M14	x 2.0	TRJ03546	26	110	44	11	9	12	3	12
M16	x 2.0	TRJ03606	27	110	44	12	9	12	3	14
M18	x 2.5	TRJ03656	30	125	50	14	11	14	3	15.5
M20	x 2.5	TRJ03706	32	140	54	16	12	15	3	17.5
M22	x 2.5	TRJ03746	32	140	54	18	14.5	17	3	19.5
M24	x 3.0	TRJ03786	34	160	60	18	14.5	17	3	21
M27	x 3.0	TRJ03866	36	160	60	20	16	19	4	24
M30	x 3.5	TRJ03946	40	180	70	22	18	21	4	26.5

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

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

MF

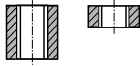
ISO metric fine threads DIN 13
ISO Metrico passo fine DIN 13

- ▶ Excellent performance on various work materials.
- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
- ▶ All Prime taps are made of HSS-PM (Powder Metallurgy).

- ▶ Eccellenti prestazioni su una vasta gamma di materiali
- ▶ La speciale geometria previene filettature sovradimensionate
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM

Tipo foro

3.0xD



DIN 374

MU Gruppo Materiali

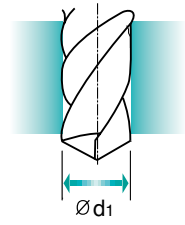
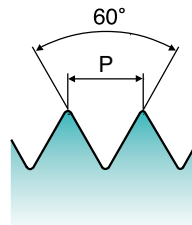
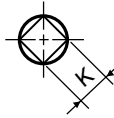
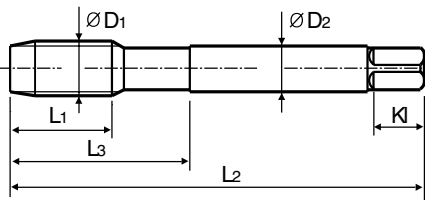
HSS-PM

DIN 374

6H



Lucido

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TRJ04256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TRJ04296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TRJ04326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TRJ04336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TRJ04356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1.0	TRJ04376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TRJ04386	14	80	30	6	4.9	8	3	7.2
M10	x 1.25	TRJ04436	22	100	40	7	5.5	8	3	8.8
M10	x 1.0	TRJ04446	18	90	36	7	5.5	8	3	9
M10	x 0.75	TRJ04456	18	90	36	7	5.5	8	3	9.2
M12	x 1.5	TRJ04516	22	100	40	9	7	10	3	10.5
M12	x 1.25	TRJ04526	22	100	40	9	7	10	3	10.8
M12	x 1.0	TRJ04536	18	100	40	9	7	10	3	11
M14	x 1.5	TRJ04556	22	100	40	11	9	12	3	12.5
M14	x 1.25	TRJ04566	22	100	40	11	9	12	3	12.8
M14	x 1.0	TRJ04576	18	100	40	11	9	12	3	13
M16	x 1.5	TRJ04616	22	100	40	12	9	12	3	14.5
M16	x 1.0	TRJ04626	18	100	40	12	9	12	3	15
M18	x 1.5	TRJ04676	25	110	44	14	11	14	3	16.5
M18	x 1.0	TRJ04686	20	110	44	14	11	14	3	17
M20	x 1.5	TRJ04726	25	125	50	16	12	15	3	18.5
M20	x 1.0	TRJ04736	20	125	50	16	12	15	3	19
M22	x 1.5	TRJ04766	25	125	50	18	14.5	17	3	20.5
M22	x 1.0	TRJ04776	20	125	50	18	14.5	17	3	21

▶ SEQUE

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

MF

ISO metric fine threads DIN 13

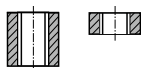
ISO Metrico passo fine DIN 13

- ▶ Excellent performance on various work materials.
- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
- ▶ All Prime taps are made of HSS-PM (Powder Metallurgy).

- ▶ Eccellenti prestazioni su una vasta gamma di materiali
- ▶ La speciale geometria previene filettature sovradimensionate
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM

Tipo foro

3.0×D



DIN 374

Gruppo Materiali

MU

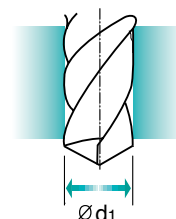
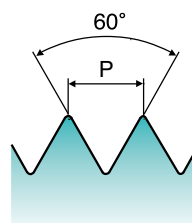
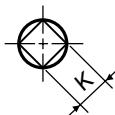
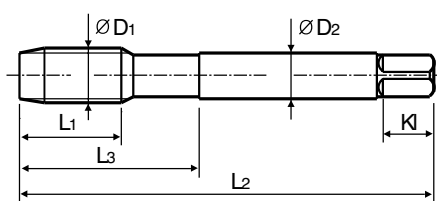
HSS-PM

DIN 374

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M24	x 2.0	TRJ04796	27	140	54	18	14.5	17	3	22
M24	x 1.5	TRJ04806	27	140	54	18	14.5	17	3	22.5
M26	x 1.5	TRJ04856	28	140	54	18	14.5	17	4	24.5
M27	x 2.0	TRJ04876	28	140	54	20	16	19	4	25
M27	x 1.5	TRJ04886	28	140	54	20	16	19	4	25.5
M28	x 1.5	TRJ04916	28	140	54	20	16	19	4	26.5
M30	x 2.0	TRJ04966	30	150	57	22	18	21	4	28
M30	x 1.5	TRJ04976	30	150	57	22	18	21	4	28.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNC

Unified coarse threads

Unificato passo grosso

- ▶ Excellent performance on various work materials.
- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
- ▶ All Prime taps are made of HSS-PM (Powder Metallurgy).

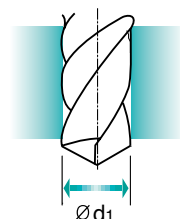
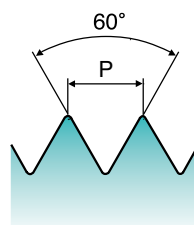
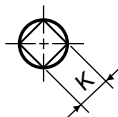
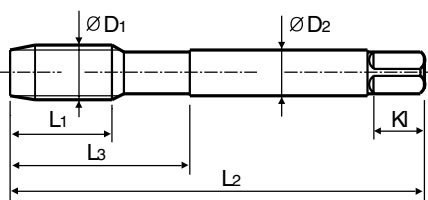
- ▶ Eccellenti prestazioni su una vasta gamma di materiali
- ▶ La speciale geometria previene filettature sovradimensionate
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM

Tipo foro
3.0×D



HSS-PM
DIN 371/376
2B
Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TRJ13162	11	56	18	3.5	2.7	6	2	2.3
#5	- 40 UNC	TRJ13202	11	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TRJ13242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TRJ13282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TRJ13322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TRJ13362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TRJ13402	17	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TRJ13442	20	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TRJ13482	22	100	39	9	7	10	3	8
7/16	- 14 UNC	TRJ13522	22	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TRJ13562	25	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TRJ13602	26	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TRJ13642	27	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TRJ13702	30	125	50	14	11	14	3	16.5
7/8	- 9 UNC	TRJ13742	32	140	54	18	14.5	17	3	19.5
1	- 8 UNC	TRJ13782	36	160	60	20	16	19	3	22.25

▶ DIN371 (#4~3/8) e DIN376 (7/16~1)

Unità : N/mm²

⊙ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNF

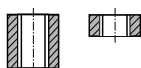
Unified fine threads Unificato passo fine

- ▶ Excellent performance on various work materials.
- ▶ Specially designed to prevent oversized threads and reduce gauging problems.
- ▶ All Prime taps are made of HSS-PM (Powder Metallurgy).

- ▶ Eccellenti prestazioni su una vasta gamma di materiali
- ▶ La speciale geometria previene filettature sovradimensionate
- ▶ Tutti i maschi prime taps sono costruiti in HSS-PM

Tipo foro

3.0×D



DIN 371/374

Gruppo Materiali

MU

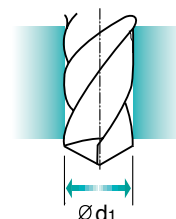
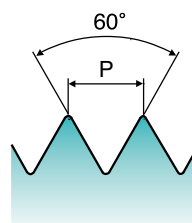
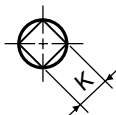
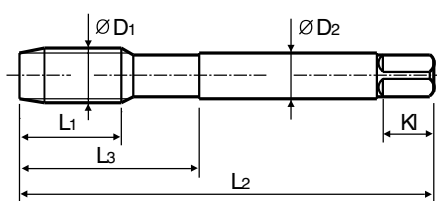
HSS-PM

DIN 371/374

2B



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
#4	- 48 UNF	TRJ14182	11	56	18	3.5	2.7	6	2	2.4
#5	- 44 UNF	TRJ14222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TRJ14262	12	56	20	4	3	6	3	3
#8	- 36 UNF	TRJ14302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TRJ14342	15	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TRJ14382	16	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TRJ14422	17	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TRJ14462	17	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TRJ14502	18	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TRJ14542	22	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TRJ14582	22	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TRJ14622	22	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TRJ14662	22	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TRJ14722	25	110	44	14	11	14	3	17.5
7/8	- 14 UNF	TRJ14762	26	125	50	18	14.5	17	3	20.5
1	- 12 UNF	TRJ14802	28	140	54	20	16	19	3	23.25

▶ DIN371 (#4~3/8) and DIN374 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

HSS



Migliorare attraverso l'innovazione



COMBO TAPS

- Spiral Point, Spiral Flute Type
Excellent performance on various work materials. YG-1's Patent

- Per Fori ciechi e fori passanti
Eccellenti prestazioni su una vasta gamma di materiali, Brevetto YG-1









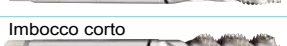
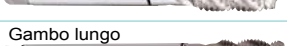



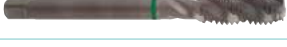







GUIDA ALLA SELEZIONE

COMBO TAPS (Per fori passanti e fori ciechi)









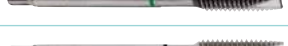

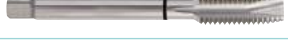

Eccellenti prestazioni su una vasta gamma di materiali, Brevetto YG-1

COMBO TAPS

● PER FORI CIECHI ● PER FORI PASSANTI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento Superficiale	PAG.
● TBE05 ● TCE05 ● TDE05		HSS-E	M	MU	DIN371/376	ISO 1/4H	C	2.5D	Vap Lucido TiN	394
● TB804 ● TC804 ● TD804		HSS-E	M	MU	DIN371/376	ISO 2/6H	C	2.5D	Vap Lucido TiN	395
● TBE06 ● TCE06 ● TDE06		HSS-E	M	MU	DIN371/376	6H+0.1	C	2.5D	Vap Lucido TiN	396
● TBE07 ● TCE07 ● TDE07		HSS-E	M	MU	DIN371/376	ISO 3/6G	C	2.5D	Vap Lucido TiN	397
● TBE08 ● TCE08 ● TDE08		HSS-E	M	MU	DIN371/376	7G	C	2.5D	Vap Lucido TiN	398
● TB844 ● TC844 ● TD844		HSS-E	MF	MU	DIN374	ISO 2/6H	C	2.5D	Vap Lucido TiN	399
● TCE09 ● TDE09		HSS-E	MF	MU	DIN374	ISO 3/6G	C	2.5D	Lucido TiN	401
● TC804-IC	Con fori di refrigerazione 	HSS-E	M	MU	DIN371/376	ISO 2/6H	C	2.5D	Lucido	403
● TC807	Imbocco corto 	HSS-E	M	MU	DIN371/376	ISO 2/6H	E	2.5D	Lucido	404
● TC633	Gambo lungo 	HSS-E	M	MU	LONG	ISO 2/6H	C	2.5D	Lucido	405
● TQ744 ● TB744		HSS-PM HSS-E	M	VA	DIN371/376	ISO 2/6H	C	2.5D	Vap	406
● TQ754		HSS-PM	MF	VA	DIN374	ISO 2/6H	C	2.5D	Vap	407
● TB754		HSS-E	MF	VA	DIN374	ISO 2/6H	C	2.5D	Vap	408
● TB824 ● TC824 ● TD824		HSS-E	UNC	MU	DIN371/376	2B	C	2.5D	Vap Lucido TiN	409
● TCE01 ● TDE01		HSS-E	UNC	MU	DIN371/376	3B	C	2.5D	Lucido TiN	410
● TB864 ● TC864 ● TD864		HSS-E	UNF	MU	DIN371/374	2B	C	2.5D	Vap Lucido TiN	411
● TCE02 ● TDE02		HSS-E	UNF	MU	DIN371/374	3B	C	2.5D	Lucido TiN	412
● TBJ05 ● TCJ05 ● TDJ05		HSS-E	M	MU	DIN371/376	ISO 1/4H	B	3.0D	Vap Lucido TiN	413
● TB814 ● TC814 ● TD814		HSS-E	M	MU	DIN371/376	ISO 2/6H	B	3.0D	Vap Lucido TiN	414
● TBJ06 ● TCJ06 ● TDJ06		HSS-E	M	MU	DIN371/376	6H+0.1	B	3.0D	Vap Lucido TiN	415
● TBJ07 ● TCJ07 ● TDJ07		HSS-E	M	MU	DIN371/376	ISO 3/6G	B	3.0D	Vap Lucido TiN	416

● PER FORI CIECHI ● PER FORI PASSANTI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento Superficiale	PAG.
● TBJ08 ● TCJ08 ● TDJ08		HSS-E	M	MU	DIN371/376	7G	B	3.0D	Vap Lucido TiN	417
● TB854 ● TC854 ● TD854		HSS-E	MF	MU	DIN374	ISO 2/6H	B	3.0D	Vap Lucido TiN	418
● TCJ09 ● TDJ09		HSS-E	MF	MU	DIN374	ISO 3/6G	B	3.0D	Lucido TiN	420
● TC814-IC	Con fori di refrigerazione 	HSS-E	M	MU	DIN371/376	ISO 2/6H	B	3.0D	Lucido	422
● TC445	Gambo lungo 	HSS-E	M	MU	LONG	ISO 2/6H	B	3.0D	Lucido	423
● TQ428 ● TB428		HSS-PM HSS-E	M	VA	DIN371/376	ISO 2/6H	B	3.0D	Vap	424
● TQ438		HSS-PM	MF	VA	DIN374	ISO 2/6H	B	3.0D	Vap	425
● TB438		HSS-E	MF	VA	DIN374	ISO 2/6H	B	3.0D	Vap	426
● TB834 ● TC834 ● TD834		HSS-E	UNC	MU	DIN371/376	2B	B	3.0D	Vap Lucido TiN	427
● TCJ01 ● TDJ01		HSS-E	UNC	MU	DIN371/376	3B	B	3.0D	Lucido TiN	428
● TB874 ● TC874 ● TD874		HSS-E	UNF	MU	DIN371/374	2B	B	3.0D	Vap Lucido TiN	429
● TCJ02 ● TDJ02		HSS-E	UNF	MU	DIN371/374	3B	B	3.0D	Lucido TiN	430



COMBO TAPS

Combo TAP

TBE05 SERIES

Vap

TCE05 SERIES

Lucido

TDE05 SERIES

TiN

M ISO Metric coarse threads DIN 13

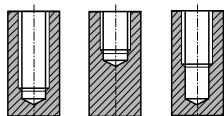
ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

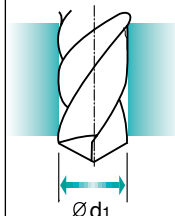
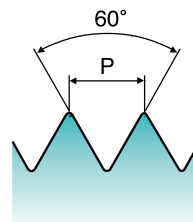
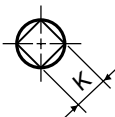
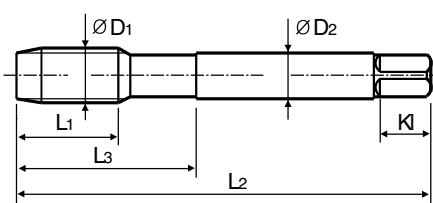
2.5×D



HSS-E

DIN 371/376

4H

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M2 x 0.4		TBE05136	TCE05136	TDE05136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TBE05156	TCE05156	TDE05156	8	45	13	2.8	2.1	5	3	1.75
M2.3 x 0.4		TBE05196	TCE05196	TDE05196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TBE05176	TCE05176	TDE05176	9	50	15	2.8	2.1	5	3	2.05
M2.6 x 0.45		TBE05496	TCE05496	TDE05496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TBE05206	TCE05206	TDE05206	6	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TBE05226	TCE05226	TDE05226	7	56	20	4	3	6	3	2.9
M4 x 0.7		TBE05246	TCE05246	TDE05246	7	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TBE05266	TCE05266	TDE05266	8	70	25	6	4.9	8	3	3.7
M5 x 0.8		TBE05286	TCE05286	TDE05286	8	70	25	6	4.9	8	3	4.2
M6 x 1.0		TBE05316	TCE05316	TDE05316	10	80	30	6	4.9	8	3	5
M7 x 1.0		TBE05346	TCE05346	TDE05346	10	80	30	7	5.5	8	3	6
M8 x 1.25		TBE05366	TCE05366	TDE05366	13	90	35	8	6.2	9	3	6.8
M9 x 1.25		TBE05396	TCE05396	TDE05396	13	90	35	9	7	10	3	7.8
M10 x 1.5		TBE05426	TCE05426	TDE05426	15	100	39	10	8	11	3	8.5
M11 x 1.5		TBE05466	TCE05466	TDE05466	17	100	40	8	6.2	9	3	9.5
M12 x 1.75		TBE05506	TCE05506	TDE05506	18	110	44	9	7	10	3	10.2
M14 x 2.0		TBE05546	TCE05546	TDE05546	20	110	44	11	9	12	3	12
M16 x 2.0		TBE05606	TCE05606	TDE05606	20	110	44	12	9	12	3	14
M18 x 2.5		TBE05656	TCE05656	TDE05656	25	125	50	14	11	14	4	15.5
M20 x 2.5		TBE05706	TCE05706	TDE05706	25	140	54	16	12	15	4	17.5
M22 x 2.5		TBE05746	TCE05746	TDE05746	25	140	54	18	14.5	17	4	19.5
M24 x 3.0		TBE05786	TCE05786	TDE05786	30	160	60	18	14.5	17	4	21
M27 x 3.0		TBE05866	TCE05866	TDE05866	30	160	60	20	16	19	4	24
M30 x 3.5		TBE05946	TCE05946	TDE05946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

○ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
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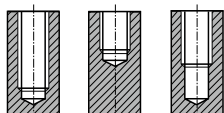
M ISO Metric coarse threads DIN 13

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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

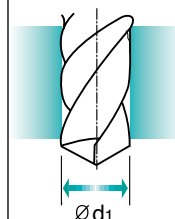
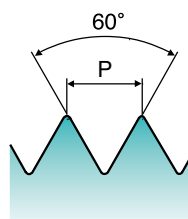
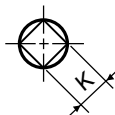
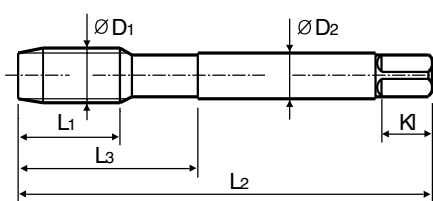
Tipo foro
2.5×D



HSS-E

DIN 371/376

6H

Vap
Lucido
TiNMachine taps
Maschi a macchina

Unità : mm

Dim. ØD1	Passo P	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N° Eliche Z	Diametro preforo
		Vap	Lucido	TiN								Ød1
M2 x 0.4		TB804136	TC804136	TD804136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TB804156	TC804156	TD804156	8	45	13	2.8	2.1	5	3	1.75
M2.3 x 0.4		TB804196	TC804196	TD804196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TB804176	TC804176	TD804176	9	50	15	2.8	2.1	5	3	2.05
M2.6 x 0.45		TB804496	TC804496	TD804496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TB804206	TC804206	TD804206	6	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TB804226	TC804226	TD804226	7	56	20	4	3	6	3	2.9
M4 x 0.7		TB804246	TC804246	TD804246	7	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TB804266	TC804266	TD804266	8	70	25	6	4.9	8	3	3.7
M5 x 0.8		TB804286	TC804286	TD804286	8	70	25	6	4.9	8	3	4.2
M6 x 1.0		TB804316	TC804316	TD804316	10	80	30	6	4.9	8	3	5
M7 x 1.0		TB804346	TC804346	TD804346	10	80	30	7	5.5	8	3	6
M8 x 1.25		TB804366	TC804366	TD804366	13	90	35	8	6.2	9	3	6.8
M9 x 1.25		TB804396	TC804396	TD804396	13	90	35	9	7	10	3	7.8
M10 x 1.5		TB804426	TC804426	TD804426	15	100	39	10	8	11	3	8.5
M11 x 1.5		TB804466	TC804466	TD804466	17	100	40	8	6.2	9	3	9.5
M12 x 1.75		TB804506	TC804506	TD804506	18	110	44	9	7	10	3	10.2
M14 x 2.0		TB804546	TC804546	TD804546	20	110	44	11	9	12	3	12
M16 x 2.0		TB804606	TC804606	TD804606	20	110	44	12	9	12	3	14
M18 x 2.5		TB804656	TC804656	TD804656	25	125	50	14	11	14	4	15.5
M20 x 2.5		TB804706	TC804706	TD804706	25	140	54	16	12	15	4	17.5
M22 x 2.5		TB804746	TC804746	TD804746	25	140	54	18	14.5	17	4	19.5
M24 x 3.0		TB804786	TC804786	TD804786	30	160	60	18	14.5	17	4	21
M27 x 3.0		TB804866	TC804866	TD804866	30	160	60	20	16	19	4	24
M30 x 3.5		TB804946	TC804946	TD804946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoisolante	Plastica CFRP
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M ISO Metric coarse threads DIN 13

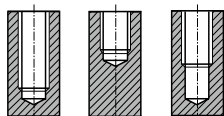
ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

2.5×D



HSS-E

DIN
371/376

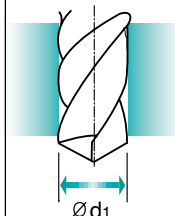
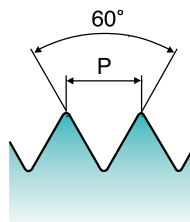
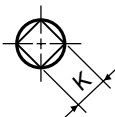
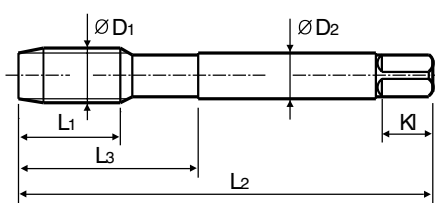
6H+0.1

60°

C

Vap
Lucido
TiN

R40

Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE			Lung. Filetto	Lung. Totale	Lung. Scarico	Dim. Gambo	Dim. Quadro	Lung. Quadro	N° Eliche	Diametro preforo			
		Vap	Lucido	TiN									ØD1	P	Vap
M2	x 0.4	TBE06136	TCE06136	TDE06136	8	45	13	2.8	2.1	5	3	1.7			
M2.2	x 0.45	TBE06156	TCE06156	TDE06156	8	45	13	2.8	2.1	5	3	1.85			
M2.3	x 0.4	TBE06196	TCE06196	TDE06196	8	45	13	2.8	2.1	5	3	2			
M2.5	x 0.45	TBE06176	TCE06176	TDE06176	9	50	15	2.8	2.1	5	3	2.15			
M2.6	x 0.45	TBE06496	TCE06496	TDE06496	9	50	15	2.8	2.1	5	3	2.2			
M3	x 0.5	TBE06206	TCE06206	TDE06206	6	56	18	3.5	2.7	6	3	2.6			
M3.5	x 0.6	TBE06226	TCE06226	TDE06226	7	56	20	4	3	6	3	3			
M4	x 0.7	TBE06246	TCE06246	TDE06246	7	63	21	4.5	3.4	6	3	3.4			
M4.5	x 0.75	TBE06266	TCE06266	TDE06266	8	70	25	6	4.9	8	3	3.8			
M5	x 0.8	TBE06286	TCE06286	TDE06286	8	70	25	6	4.9	8	3	4.3			
M6	x 1.0	TBE06316	TCE06316	TDE06316	10	80	30	6	4.9	8	3	5.1			
M7	x 1.0	TBE06346	TCE06346	TDE06346	10	80	30	7	5.5	8	3	6.1			
M8	x 1.25	TBE06366	TCE06366	TDE06366	13	90	35	8	6.2	9	3	6.9			
M9	x 1.25	TBE06396	TCE06396	TDE06396	13	90	35	9	7	10	3	7.9			
M10	x 1.5	TBE06426	TCE06426	TDE06426	15	100	39	10	8	11	3	8.6			
M11	x 1.5	TBE06466	TCE06466	TDE06466	17	100	40	8	6.2	9	3	9.6			
M12	x 1.75	TBE06506	TCE06506	TDE06506	18	110	44	9	7	10	3	10.3			
M14	x 2.0	TBE06546	TCE06546	TDE06546	20	110	44	11	9	12	3	12.1			
M16	x 2.0	TBE06606	TCE06606	TDE06606	20	110	44	12	9	12	3	14.1			
M18	x 2.5	TBE06656	TCE06656	TDE06656	25	125	50	14	11	14	4	15.6			
M20	x 2.5	TBE06706	TCE06706	TDE06706	25	140	54	16	12	15	4	17.6			
M22	x 2.5	TBE06746	TCE06746	TDE06746	25	140	54	18	14.5	17	4	19.6			
M24	x 3.0	TBE06786	TCE06786	TDE06786	30	160	60	18	14.5	17	4	21.1			
M27	x 3.0	TBE06866	TCE06866	TDE06866	30	160	60	20	16	19	4	24.1			
M30	x 3.5	TBE06946	TCE06946	TDE06946	35	180	70	22	18	21	4	26.6			

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

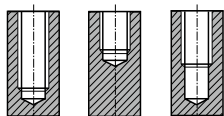
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads 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.

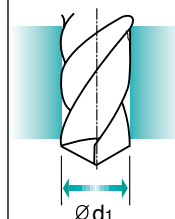
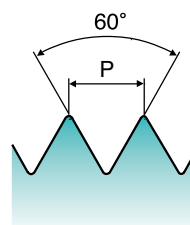
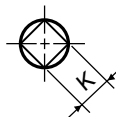
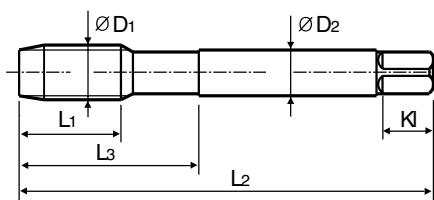
► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
 2.5×D



HSS-E **DIN 371/376** **6G** **60°** **C** **Vap Lucido TiN** **R40**

Machine taps
 Maschi a macchina



Dim. ØD1	Passo P	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N° Eliche Z	Unità : mm
		Vap	Lucido	TiN								Diametro preforo Ød1
M2 x 0.4		TBE07136	TCE07136	TDE07136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TBE07156	TCE07156	TDE07156	8	45	13	2.8	2.1	5	3	1.75
M2.3 x 0.4		TBE07196	TCE07196	TDE07196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TBE07176	TCE07176	TDE07176	9	50	15	2.8	2.1	5	3	2.05
M2.6 x 0.45		TBE07496	TCE07496	TDE07496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TBE07206	TCE07206	TDE07206	6	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TBE07226	TCE07226	TDE07226	7	56	20	4	3	6	3	2.9
M4 x 0.7		TBE07246	TCE07246	TDE07246	7	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TBE07266	TCE07266	TDE07266	8	70	25	6	4.9	8	3	3.7
M5 x 0.8		TBE07286	TCE07286	TDE07286	8	70	25	6	4.9	8	3	4.2
M6 x 1.0		TBE07316	TCE07316	TDE07316	10	80	30	6	4.9	8	3	5
M7 x 1.0		TBE07346	TCE07346	TDE07346	10	80	30	7	5.5	8	3	6
M8 x 1.25		TBE07366	TCE07366	TDE07366	13	90	35	8	6.2	9	3	6.8
M9 x 1.25		TBE07396	TCE07396	TDE07396	13	90	35	9	7	10	3	7.8
M10 x 1.5		TBE07426	TCE07426	TDE07426	15	100	39	10	8	11	3	8.5
M11 x 1.5		TBE07466	TCE07466	TDE07466	17	100	40	8	6.2	9	3	9.5
M12 x 1.75		TBE07506	TCE07506	TDE07506	18	110	44	9	7	10	3	10.2
M14 x 2.0		TBE07546	TCE07546	TDE07546	20	110	44	11	9	12	3	12
M16 x 2.0		TBE07606	TCE07606	TDE07606	20	110	44	12	9	12	3	14
M18 x 2.5		TBE07656	TCE07656	TDE07656	25	125	50	14	11	14	4	15.5
M20 x 2.5		TBE07706	TCE07706	TDE07706	25	140	54	16	12	15	4	17.5
M22 x 2.5		TBE07746	TCE07746	TDE07746	25	140	54	18	14.5	17	4	19.5
M24 x 3.0		TBE07786	TCE07786	TDE07786	30	160	60	18	14.5	17	4	21
M27 x 3.0		TBE07866	TCE07866	TDE07866	30	160	60	20	16	19	4	24
M30 x 3.5		TBE07946	TCE07946	TDE07946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoisolur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

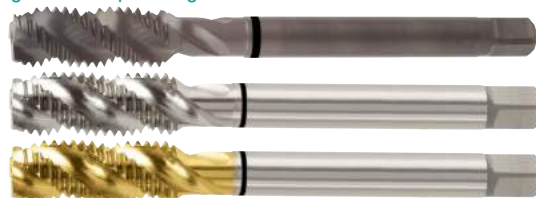
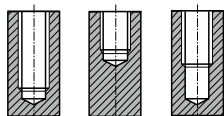
ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

2.5×D



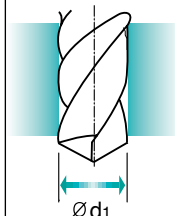
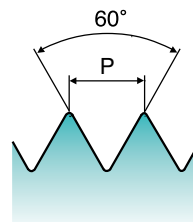
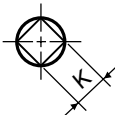
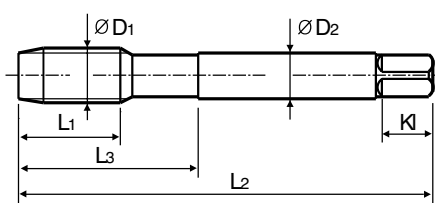
HSS-E

DIN
371/376

7G



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE			Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo			
		Vap	Lucido	TiN									ØD1	P	Vap
M2	x 0.4	TBE08136	TCE08136	TDE08136	8	45	13	2.8	2.1	5	3	1.6			
M2.2	x 0.45	TBE08156	TCE08156	TDE08156	8	45	13	2.8	2.1	5	3	1.75			
M2.3	x 0.4	TBE08196	TCE08196	TDE08196	8	45	13	2.8	2.1	5	3	1.9			
M2.5	x 0.45	TBE08176	TCE08176	TDE08176	9	50	15	2.8	2.1	5	3	2.05			
M2.6	x 0.45	TBE08496	TCE08496	TDE08496	9	50	15	2.8	2.1	5	3	2.1			
M3	x 0.5	TBE08206	TCE08206	TDE08206	6	56	18	3.5	2.7	6	3	2.5			
M3.5	x 0.6	TBE08226	TCE08226	TDE08226	7	56	20	4	3	6	3	2.9			
M4	x 0.7	TBE08246	TCE08246	TDE08246	7	63	21	4.5	3.4	6	3	3.3			
M4.5	x 0.75	TBE08266	TCE08266	TDE08266	8	70	25	6	4.9	8	3	3.7			
M5	x 0.8	TBE08286	TCE08286	TDE08286	8	70	25	6	4.9	8	3	4.2			
M6	x 1.0	TBE08316	TCE08316	TDE08316	10	80	30	6	4.9	8	3	5			
M7	x 1.0	TBE08346	TCE08346	TDE08346	10	80	30	7	5.5	8	3	6			
M8	x 1.25	TBE08366	TCE08366	TDE08366	13	90	35	8	6.2	9	3	6.8			
M9	x 1.25	TBE08396	TCE08396	TDE08396	13	90	35	9	7	10	3	7.8			
M10	x 1.5	TBE08426	TCE08426	TDE08426	15	100	39	10	8	11	3	8.5			
M11	x 1.5	TBE08466	TCE08466	TDE08466	17	100	40	8	6.2	9	3	9.5			
M12	x 1.75	TBE08506	TCE08506	TDE08506	18	110	44	9	7	10	3	10.2			
M14	x 2.0	TBE08546	TCE08546	TDE08546	20	110	44	11	9	12	3	12			
M16	x 2.0	TBE08606	TCE08606	TDE08606	20	110	44	12	9	12	3	14			
M18	x 2.5	TBE08656	TCE08656	TDE08656	25	125	50	14	11	14	4	15.5			
M20	x 2.5	TBE08706	TCE08706	TDE08706	25	140	54	16	12	15	4	17.5			
M22	x 2.5	TBE08746	TCE08746	TDE08746	25	140	54	18	14.5	17	4	19.5			
M24	x 3.0	TBE08786	TCE08786	TDE08786	30	160	60	18	14.5	17	4	21			
M27	x 3.0	TBE08866	TCE08866	TDE08866	30	160	60	20	16	19	4	24			
M30	x 3.5	TBE08946	TCE08946	TDE08946	35	180	70	22	18	21	4	26.5			

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
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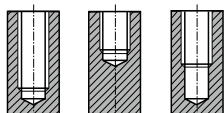
MF ISO Metric fine threads DIN 13

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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
2.5×D



HSS-E

DIN 374

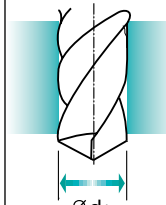
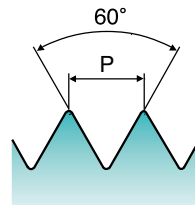
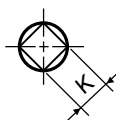
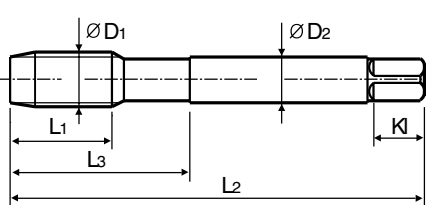
6H



Vap Lucido TiN



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M4	x 0.5	TB844256	TC844256	TD844256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TB844296	TC844296	TD844296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TB844326	TC844326	TD844326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TB844336	TC844336	TD844336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TB844356	TC844356	TD844356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1.0	TB844376	TC844376	TD844376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TB844386	TC844386	TD844386	8	80	30	6	4.9	8	3	7.2
M10	x 1.25	TB844436	TC844436	TD844436	16	100	40	7	5.5	8	3	8.8
M10	x 1.0	TB844446	TC844446	TD844446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TB844456	TC844456	TD844456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TB844516	TC844516	TD844516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TB844526	TC844526	TD844526	15	100	40	9	7	10	3	10.8
M12	x 1.0	TB844536	TC844536	TD844536	11	100	40	9	7	10	3	11
M14	x 1.5	TB844556	TC844556	TD844556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TB844566	TC844566	TD844566	15	100	40	11	9	12	3	12.8
M14	x 1.0	TB844576	TC844576	TD844576	11	100	40	11	9	12	3	13
M16	x 1.5	TB844616	TC844616	TD844616	15	100	40	12	9	12	3	14.5
M16	x 1.0	TB844626	TC844626	TD844626	12	100	40	12	9	12	3	15
M18	x 1.5	TB844676	TC844676	TD844676	17	110	44	14	11	14	4	16.5
M18	x 1.0	TB844686	TC844686	TD844686	13	110	44	14	11	14	4	17
M20	x 1.5	TB844726	TC844726	TD844726	17	125	50	16	12	15	4	18.5
M20	x 1.0	TB844736	TC844736	TD844736	14	125	50	16	12	15	4	19
M22	x 1.5	TB844766	TC844766	TD844766	17	125	50	18	14.5	17	4	20.5
M22	x 1.0	TB844776	TC844776	TD844776	14	125	50	18	14.5	17	4	21

► SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
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MF

ISO Metric fine threads DIN 13

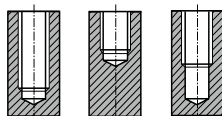
ISO Metrico passo fine DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

2.5×D



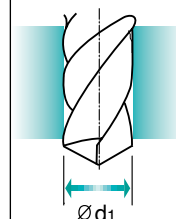
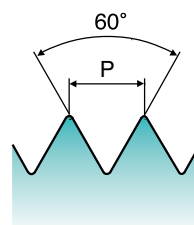
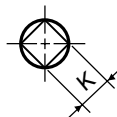
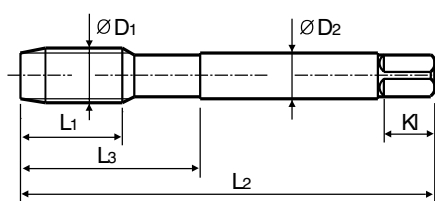
HSS-E

DIN 374

6H



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE			Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo			
		Vap	Lucido	TiN									ØD1	P	Vap
M24 x 2.0		TB844796	TC844796	TD844796	20	140	54	18	14.5	17	4	22			
M24 x 1.5		TB844806	TC844806	TD844806	20	140	54	18	14.5	17	4	22.5			
M26 x 1.5		TB844856	TC844856	TD844856	20	140	54	18	14.5	17	4	24.5			
M27 x 2.0		TB844876	TC844876	TD844876	20	140	54	20	16	19	4	25			
M27 x 1.5		TB844886	TC844886	TD844886	20	140	54	20	16	19	4	25.5			
M28 x 1.5		TB844916	TC844916	TD844916	20	140	54	20	16	19	4	26.5			
M30 x 2.0		TB844966	TC844966	TD844966	22	150	57	22	18	21	4	28			
M30 x 1.5		TB844976	TC844976	TD844976	22	150	57	22	18	21	4	28.5			

Unità : N/mm²

◎ : Specifico ○ : Adatto

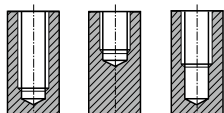
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

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Tipo foro
 2.5×D



HSS-E

DIN 374

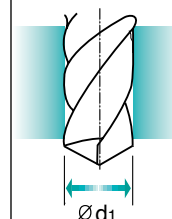
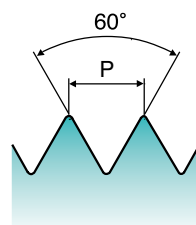
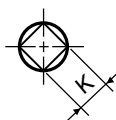
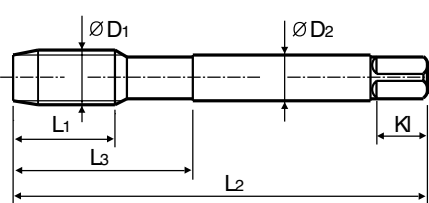
6G



Lucido
 TiN



Machine taps
 Maschi a macchina



Unità : mm

Dim.	Passo	CODICE		Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
		Lucido	TiN								
M4	x 0.5	TCE09256	TDE09256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TCE09296	TDE09296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TCE09326	TDE09326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TCE09336	TDE09336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TCE09356	TDE09356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1.0	TCE09376	TDE09376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TCE09386	TDE09386	8	80	30	6	4.9	8	3	7.2
M10	x 1.25	TCE09436	TDE09436	16	100	40	7	5.5	8	3	8.8
M10	x 1.0	TCE09446	TDE09446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TCE09456	TDE09456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TCE09516	TDE09516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TCE09526	TDE09526	15	100	40	9	7	10	3	10.8
M12	x 1.0	TCE09536	TDE09536	11	100	40	9	7	10	3	11
M14	x 1.5	TCE09556	TDE09556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TCE09566	TDE09566	15	100	40	11	9	12	3	12.8
M14	x 1.0	TCE09576	TDE09576	11	100	40	11	9	12	3	13
M16	x 1.5	TCE09616	TDE09616	15	100	40	12	9	12	3	14.5
M16	x 1.0	TCE09626	TDE09626	12	100	40	12	9	12	3	15
M18	x 1.5	TCE09676	TDE09676	17	110	44	14	11	14	4	16.5
M18	x 1.0	TCE09686	TDE09686	13	110	44	14	11	14	4	17
M20	x 1.5	TCE09726	TDE09726	17	125	50	16	12	15	4	18.5
M20	x 1.0	TCE09736	TDE09736	14	125	50	16	12	15	4	19
M22	x 1.5	TCE09766	TDE09766	17	125	50	18	14.5	17	4	20.5
M22	x 1.0	TCE09776	TDE09776	14	125	50	18	14.5	17	4	21

► SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○


COMBO TAPS

TCE09 SERIES

Lucido

TDE09 SERIES

TiN

MF

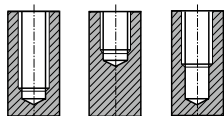
ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

2.5×D


MU

HSS-E

DIN
374

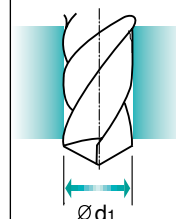
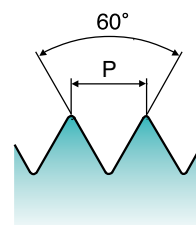
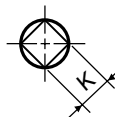
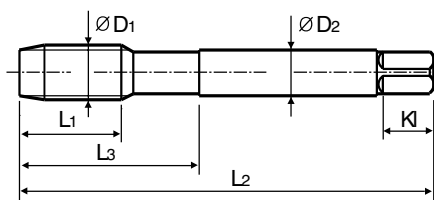
6G

60°

C

Lucido
TiN

R40

Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE		Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
		Lucido	TiN								
ØD1	P			L1	L2	L3	ØD2	K	KI	Z	Ød1
M24 x 2.0		TCE09796	TDE09796	20	140	54	18	14.5	17	4	22
M24 x 1.5		TCE09806	TDE09806	20	140	54	18	14.5	17	4	22.5
M26 x 1.5		TCE09856	TDE09856	20	140	54	18	14.5	17	4	24.5
M27 x 2.0		TCE09876	TDE09876	20	140	54	20	16	19	4	25
M27 x 1.5		TCE09886	TDE09886	20	140	54	20	16	19	4	25.5
M28 x 1.5		TCE09916	TDE09916	20	140	54	20	16	19	4	26.5
M30 x 2.0		TCE09966	TDE09966	22	150	57	22	18	21	4	28
M30 x 1.5		TCE09976	TDE09976	22	150	57	22	18	21	4	28.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

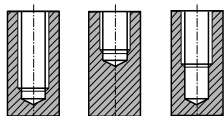
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads 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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
2.5×D

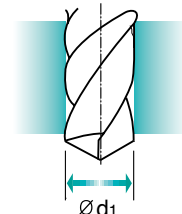
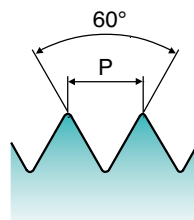
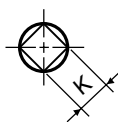
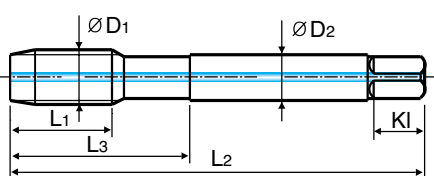


Con fori di refrigerazione



HSS-E
DIN 371/376
6H
60°
C
Lucido
R40

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M6	x 1.0	TC804316IC	10	80	30	6	4.9	8	3	5
M8	x 1.25	TC804366IC	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TC804426IC	15	100	39	10	8	11	3	8.5
M12	x 1.75	TC804506IC	18	110	44	9	7	10	3	10.2
M14	x 2.0	TC804546IC	20	110	44	11	9	12	3	12
M16	x 2.0	TC804606IC	20	110	44	12	9	12	3	14
M18	x 2.5	TC804656IC	25	125	50	14	11	14	4	15.5
M20	x 2.5	TC804706IC	25	140	54	16	12	15	4	17.5

► DIN371 (M6~M10) e DIN376 (M12~M20)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
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M ISO Metric coarse threads DIN 13

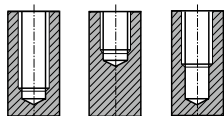
ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

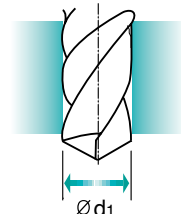
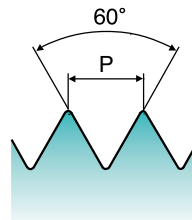
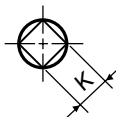
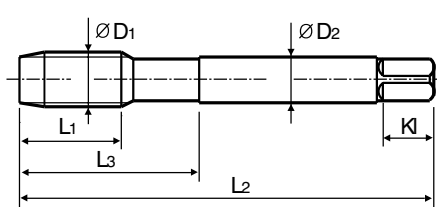
Tipo foro

2.5×D


Imbocco corto

HSS-E
DIN 371/376
6H

Lucido

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD ₁	P	Lucido	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M2	x 0.4	TC807136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC807156	8	45	13	2.8	2.1	5	3	1.75
M2.3	x 0.4	TC807196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC807176	9	50	15	2.8	2.1	5	3	2.05
M2.6	x 0.45	TC807496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC807206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC807226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TC807246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC807266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC807286	8	70	25	6	4.9	8	3	4.2
M6	x 1.0	TC807316	10	80	30	6	4.9	8	3	5
M7	x 1.0	TC807346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TC807366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC807396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TC807426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TC807466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC807506	18	110	44	9	7	10	3	10.2
M14	x 2.0	TC807546	20	110	44	11	9	12	3	12
M16	x 2.0	TC807606	20	110	44	12	9	12	3	14
M18	x 2.5	TC807656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TC807706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TC807746	25	140	54	18	14.5	17	4	19.5
M24	x 3.0	TC807786	30	160	60	18	14.5	17	4	21
M27	x 3.0	TC807866	30	160	60	20	16	19	4	24
M30	x 3.5	TC807946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30)

 Unità : N/mm²

◎ : Specifico ○ : Adatto

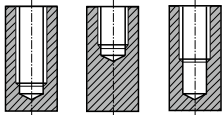
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads 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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
2.5×D



Gambo lungo



HSS-E

LONG

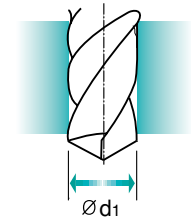
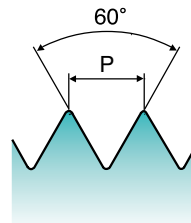
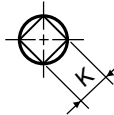
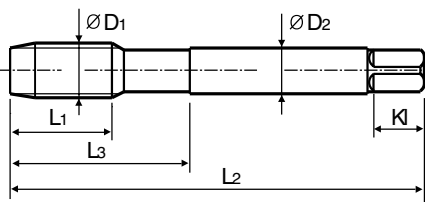
6H



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD ₁	P	Lucido	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M3	x 0.5	TC633206	11	100	18	3.5	2.7	6	3	2.5
M4	x 0.7	TC633246	13	125	21	4.5	3.4	6	3	3.3
M5	x 0.8	TC633286	15	140	25	6	4.9	8	3	4.2
M6	x 1.0	TC633316	17	160	30	6	4.9	8	3	5
M8	x 1.25	TC633366	20	180	35	6	4.9	8	3	6.8
M10	x 1.5	TC633426	22	200	39	7	5.5	8	3	8.5
M12	x 1.75	TC633506	24	220	44	9	7	10	3	10.2
M14	x 2.0	TC633546	26	220	44	11	9	12	3	12
M16	x 2.0	TC633606	27	220	44	12	9	12	3	14
M20	x 2.5	TC633706	32	280	54	16	12	15	4	17.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
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M ISO Metric coarse threads DIN 13

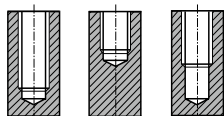
ISO Metrico passo grosso DIN 13

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

► Applicazioni su acciai Inox. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

2.5×D



Gruppo Materiali

VA

Fino a M12

Oltre M12

HSS-PM

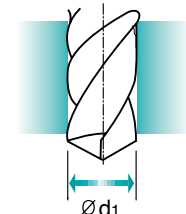
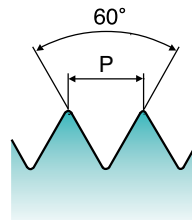
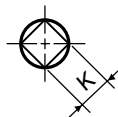
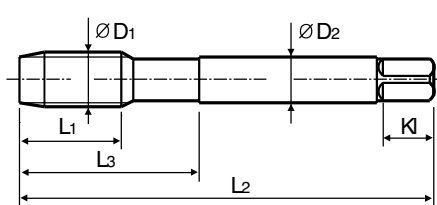
HSS-E

DIN 371/376

6H



Vap

Machine taps
Maschi a
macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TQ744136	8	45	13	2.8	2.1	5	2	1.6
M2.2	x 0.45	TQ744156	8	45	13	2.8	2.1	5	2	1.75
M2.3	x 0.4	TQ744196	8	45	13	2.8	2.1	5	2	1.9
M2.5	x 0.45	TQ744176	9	50	15	2.8	2.1	5	2	2.05
M2.6	x 0.45	TQ744496	9	50	15	2.8	2.1	5	2	2.1
M3	x 0.5	TQ744206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ744226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TQ744246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ744266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ744286	8	70	25	6	4.9	8	3	4.2
M6	x 1.0	TQ744316	10	80	30	6	4.9	8	3	5
M7	x 1.0	TQ744346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TQ744366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TQ744396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TQ744426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TQ744466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TQ744506	18	110	44	9	7	10	3	10.2
M14	x 2.0	TB744546	20	110	44	11	9	12	3	12
M16	x 2.0	TB744606	20	110	44	12	9	12	3	14
M18	x 2.5	TB744656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TB744706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TB744746	25	140	54	18	14.5	17	4	19.5
M24	x 3.0	TB744786	30	160	60	18	14.5	17	4	21
M27	x 3.0	TB744866	30	160	60	20	16	19	4	24
M30	x 3.5	TB744946	35	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30)

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

Unità : N/mm²

◎ : Specifico ○ : Adatto

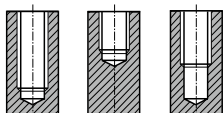
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads 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.

► Applicazioni su acciai Inox. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
2.5×D



VA
Gruppo Materiali

HSS-PM

DIN 374

6H

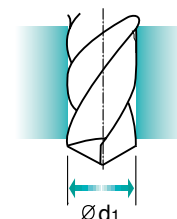
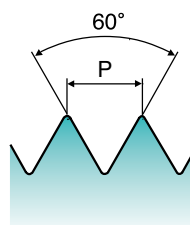
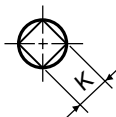
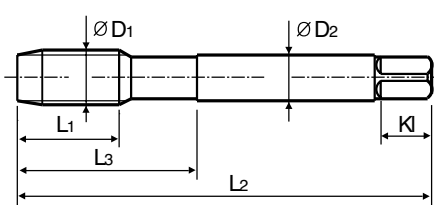
60°

C

Vap

R45

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD ₁	P	Vap	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M4	x 0.5	TQ754256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TQ754296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TQ754326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TQ754336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TQ754356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1.0	TQ754376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TQ754386	8	80	30	6	4.9	8	3	7.2
M10	x 1.25	TQ754436	16	100	40	7	5.5	8	3	8.8
M10	x 1.0	TQ754446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TQ754456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TQ754516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TQ754526	15	100	40	9	7	10	3	10.8
M12	x 1.0	TQ754536	11	100	40	9	7	10	3	11

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13

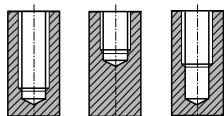
ISO Metrico passo fine DIN 13

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

► Applicazioni su acciai Inox. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

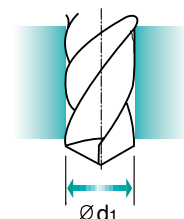
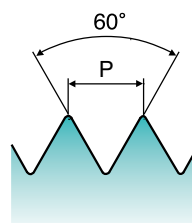
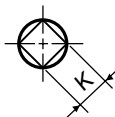
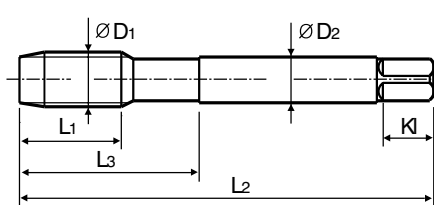
2.5×D



Gruppo Materiali

VA
HSS-E
DIN 374
6H

Vap

 Machine taps
 Maschi a
 macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD ₁	P	Vap	L ₁	L ₂	L ₃	ØD ₂	K	K ₁	Z	Ød ₁
M14	x 1.5	TB754556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TB754566	15	100	40	11	9	12	3	12.8
M14	x 1.0	TB754576	11	100	40	11	9	12	3	13
M16	x 1.5	TB754616	15	100	40	12	9	12	3	14.5
M16	x 1.0	TB754626	12	100	40	12	9	12	3	15
M18	x 1.5	TB754676	17	110	44	14	11	14	4	16.5
M18	x 1.0	TB754686	13	110	44	14	11	14	4	17
M20	x 1.5	TB754726	17	125	50	16	12	15	4	18.5
M20	x 1.0	TB754736	14	125	50	16	12	15	4	19
M22	x 1.5	TB754766	17	125	50	18	14.5	17	4	20.5
M22	x 1.0	TB754776	14	125	50	18	14.5	17	4	21
M24	x 2.0	TB754796	20	140	54	18	14.5	17	4	22
M24	x 1.5	TB754806	20	140	54	18	14.5	17	4	22.5
M26	x 1.5	TB754856	20	140	54	18	14.5	17	4	24.5
M27	x 2.0	TB754876	20	140	54	20	16	19	4	25
M27	x 1.5	TB754886	20	140	54	20	16	19	4	25.5
M28	x 1.5	TB754916	20	140	54	20	16	19	4	26.5
M30	x 2.0	TB754966	22	150	57	22	18	21	4	28
M30	x 1.5	TB754976	22	150	57	22	18	21	4	28.5

 Unità : N/mm²

◎ : Specifico ○ : Adatto

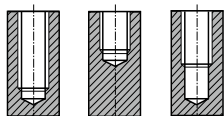
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	◎	◎							
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○										

UNC Unified coarse threads 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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
2.5×D



HSS-E

DIN 371/376

2B

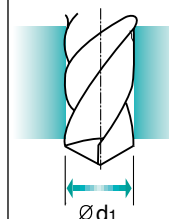
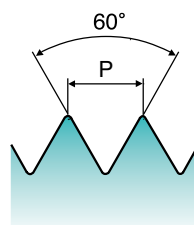
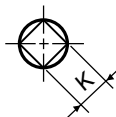
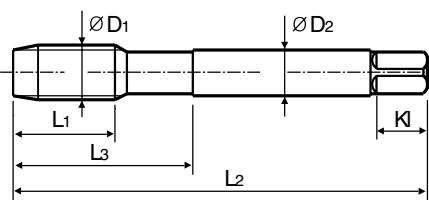
60°

C

Vap
Lucido
TiN

R40

Machine taps
Maschi a macchina



Unità : mm

Dim. ØD1	TPI	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
#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) e DIN376 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

UNC

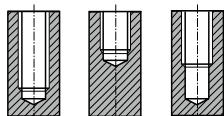
Unified coarse threads Unificato passo grosso

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

2.5×D



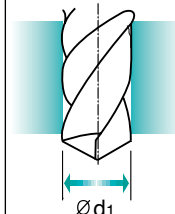
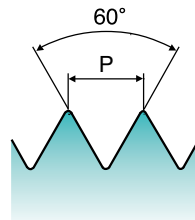
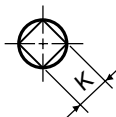
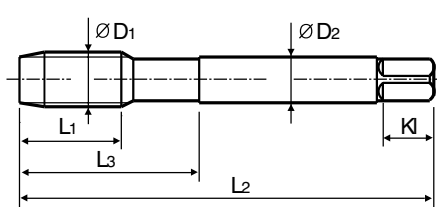
HSS-E

DIN
371/376

3B



Machine taps
Maschi a macchina



Unità : mm

Dim. ØD1	TPI	CODICE		Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N° Eliche Z	Diametro preforo
		Lucido	TiN								Ød1
#4	- 40 UNC	TCE01162	TDE01162	6	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TCE01202	TDE01202	7	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TCE01242	TDE01242	7	56	20	4	3	6	3	2.85
#8	- 32 UNC	TCE01282	TDE01282	8	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TCE01322	TDE01322	10	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TCE01362	TDE01362	10	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TCE01402	TDE01402	13	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TCE01442	TDE01442	14	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TCE01482	TDE01482	16	100	39	9	7	10	3	8
7/16	- 14 UNC	TCE01522	TDE01522	17	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TCE01562	TDE01562	20	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TCE01602	TDE01602	20	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TCE01642	TDE01642	22	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TCE01702	TDE01702	25	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TCE01742	TDE01742	27	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TCE01782	TDE01782	30	160	60	20	16	19	4	22.25

► DIN371 (#4~3/8) e DIN376 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
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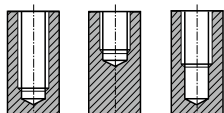
UNF

Unified fine threads
Unificato passo fine

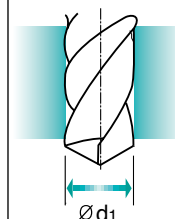
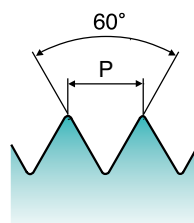
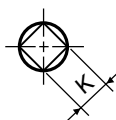
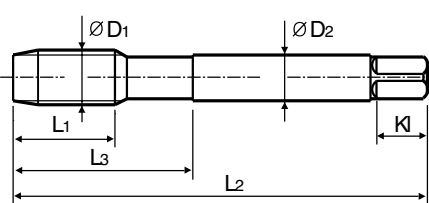
► For using multi-purpose and correct thread profiles & long tool life due to special tap geometry. YG-1 company has a patent.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
2.5×D



Machine taps
Maschi a macchina



Unità : mm

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

► DIN371 (#4~3/8) e DIN374 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

UNF

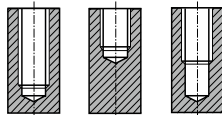
Unified fine threads Unificato passo fine

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

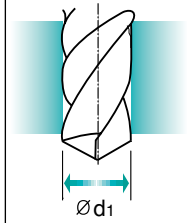
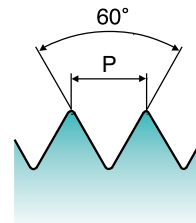
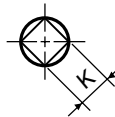
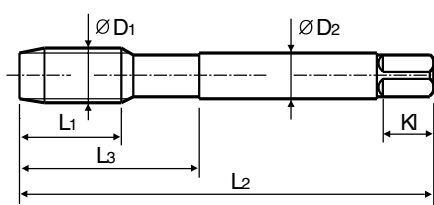
2.5×D



HSS-E

DIN
371/374

3B


Machine taps
Maschi a macchina


Unità : mm

Dim. ØD1	TPI	CODICE		Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Lucido	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	- 20 UNF	TCE02582	TDE02582	13	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TCE02622	TDE02622	15	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TCE02662	TDE02662	15	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TCE02722	TDE02722	17	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TCE02762	TDE02762	17	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TCE02802	TDE02802	20	140	54	20	16	19	4	23.25

► DIN371 (#4~3/8) e DIN374 (7/16~1)

Unità : N/mm²

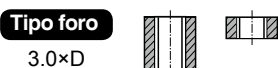
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

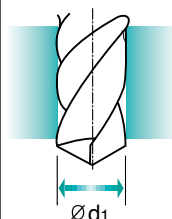
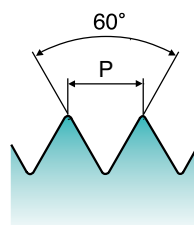
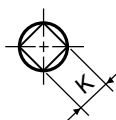
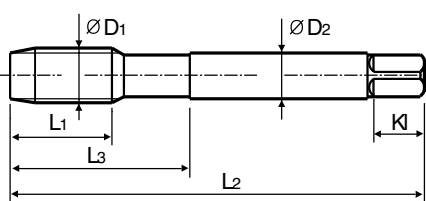
M ISO Metric coarse threads DIN 13 ISO Metricco passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.



Machine taps
 Maschi a macchina



Dim. ØD1	Passo P	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M2 x 0.4		TBJ05136	TCJ05136	TDJ05136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TBJ05156	TCJ05156	TDJ05156	8	45	13	2.8	2.1	5	3	1.75
M2.3 x 0.4		TBJ05196	TCJ05196	TDJ05196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TBJ05176	TCJ05176	TDJ05176	9	50	15	2.8	2.1	5	3	2.05
M2.6 x 0.45		TBJ05496	TCJ05496	TDJ05496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TBJ05206	TCJ05206	TDJ05206	11	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TBJ05226	TCJ05226	TDJ05226	12	56	20	4	3	6	3	2.9
M4 x 0.7		TBJ05246	TCJ05246	TDJ05246	13	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TBJ05266	TCJ05266	TDJ05266	14	70	25	6	4.9	8	3	3.7
M5 x 0.8		TBJ05286	TCJ05286	TDJ05286	15	70	25	6	4.9	8	3	4.2
M6 x 1.0		TBJ05316	TCJ05316	TDJ05316	17	80	30	6	4.9	8	3	5
M7 x 1.0		TBJ05346	TCJ05346	TDJ05346	17	80	30	7	5.5	8	3	6
M8 x 1.25		TBJ05366	TCJ05366	TDJ05366	20	90	35	8	6.2	9	3	6.8
M9 x 1.25		TBJ05396	TCJ05396	TDJ05396	20	90	35	9	7	10	3	7.8
M10 x 1.5		TBJ05426	TCJ05426	TDJ05426	22	100	39	10	8	11	3	8.5
M11 x 1.5		TBJ05466	TCJ05466	TDJ05466	22	100	40	8	6.2	9	3	9.5
M12 x 1.75		TBJ05506	TCJ05506	TDJ05506	24	110	44	9	7	10	3	10.2
M14 x 2.0		TBJ05546	TCJ05546	TDJ05546	26	110	44	11	9	12	3	12
M16 x 2.0		TBJ05606	TCJ05606	TDJ05606	27	110	44	12	9	12	3	14
M18 x 2.5		TBJ05656	TCJ05656	TDJ05656	30	125	50	14	11	14	4	15.5
M20 x 2.5		TBJ05706	TCJ05706	TDJ05706	32	140	54	16	12	15	4	17.5
M22 x 2.5		TBJ05746	TCJ05746	TDJ05746	32	140	54	18	14.5	17	4	19.5
M24 x 3.0		TBJ05786	TCJ05786	TDJ05786	34	160	60	18	14.5	17	4	21
M27 x 3.0		TBJ05866	TCJ05866	TDJ05866	36	160	60	20	16	19	4	24
M30 x 3.5		TBJ05946	TCJ05946	TDJ05946	40	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads DIN 13

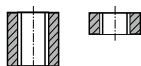
ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

3.0×D



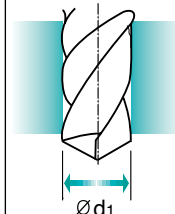
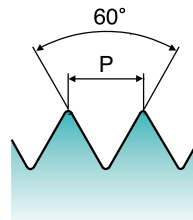
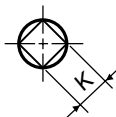
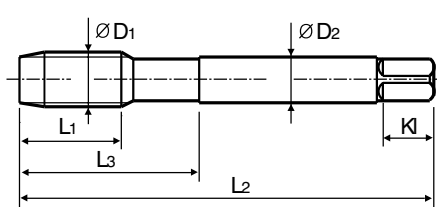
Gruppo Materiali

MU

HSS-E

DIN 371/376

6H

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE			Lung. Filetto L1	Lung. Totale L2	Lung. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lung. Quadro K1	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M2 x 0.4		TB814136	TC814136	TD814136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TB814156	TC814156	TD814156	8	45	13	2.8	2.1	5	3	1.75
M2.3 x 0.4		TB814196	TC814196	TD814196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TB814176	TC814176	TD814176	9	50	15	2.8	2.1	5	3	2.05
M2.6 x 0.45		TB814496	TC814496	TD814496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TB814206	TC814206	TD814206	11	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TB814226	TC814226	TD814226	12	56	20	4	3	6	3	2.9
M4 x 0.7		TB814246	TC814246	TD814246	13	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TB814266	TC814266	TD814266	14	70	25	6	4.9	8	3	3.7
M5 x 0.8		TB814286	TC814286	TD814286	15	70	25	6	4.9	8	3	4.2
M6 x 1.0		TB814316	TC814316	TD814316	17	80	30	6	4.9	8	3	5
M7 x 1.0		TB814346	TC814346	TD814346	17	80	30	7	5.5	8	3	6
M8 x 1.25		TB814366	TC814366	TD814366	20	90	35	8	6.2	9	3	6.8
M9 x 1.25		TB814396	TC814396	TD814396	20	90	35	9	7	10	3	7.8
M10 x 1.5		TB814426	TC814426	TD814426	22	100	39	10	8	11	3	8.5
M11 x 1.5		TB814466	TC814466	TD814466	22	100	40	8	6.2	9	3	9.5
M12 x 1.75		TB814506	TC814506	TD814506	24	110	44	9	7	10	3	10.2
M14 x 2.0		TB814546	TC814546	TD814546	26	110	44	11	9	12	3	12
M16 x 2.0		TB814606	TC814606	TD814606	27	110	44	12	9	12	3	14
M18 x 2.5		TB814656	TC814656	TD814656	30	125	50	14	11	14	4	15.5
M20 x 2.5		TB814706	TC814706	TD814706	32	140	54	16	12	15	4	17.5
M22 x 2.5		TB814746	TC814746	TD814746	32	140	54	18	14.5	17	4	19.5
M24 x 3.0		TB814786	TC814786	TD814786	34	160	60	18	14.5	17	4	21
M27 x 3.0		TB814866	TC814866	TD814866	36	160	60	20	16	19	4	24
M30 x 3.5		TB814946	TC814946	TD814946	40	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

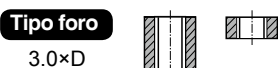
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
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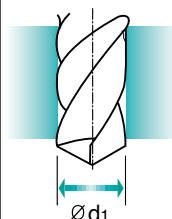
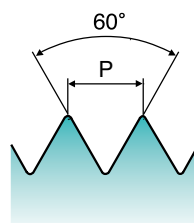
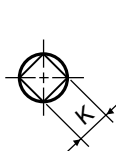
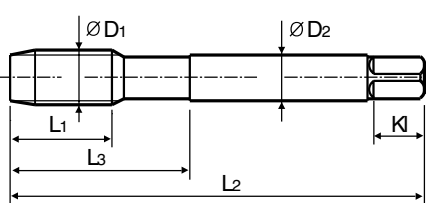
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.



Machine taps
 Maschi a macchina



Unità : mm

Dim. ØD1	Passo P	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M2 x 0.4		TBJ06136	TCJ06136	TDJ06136	8	45	13	2.8	2.1	5	3	1.7
M2.2 x 0.45		TBJ06156	TCJ06156	TDJ06156	8	45	13	2.8	2.1	5	3	1.85
M2.3 x 0.4		TBJ06196	TCJ06196	TDJ06196	8	45	13	2.8	2.1	5	3	2
M2.5 x 0.45		TBJ06176	TCJ06176	TDJ06176	9	50	15	2.8	2.1	5	3	2.15
M2.6 x 0.45		TBJ06496	TCJ06496	TDJ06496	9	50	15	2.8	2.1	5	3	2.2
M3 x 0.5		TBJ06206	TCJ06206	TDJ06206	11	56	18	3.5	2.7	6	3	2.6
M3.5 x 0.6		TBJ06226	TCJ06226	TDJ06226	12	56	20	4	3	6	3	3
M4 x 0.7		TBJ06246	TCJ06246	TDJ06246	13	63	21	4.5	3.4	6	3	3.4
M4.5 x 0.75		TBJ06266	TCJ06266	TDJ06266	14	70	25	6	4.9	8	3	3.8
M5 x 0.8		TBJ06286	TCJ06286	TDJ06286	15	70	25	6	4.9	8	3	4.3
M6 x 1.0		TBJ06316	TCJ06316	TDJ06316	17	80	30	6	4.9	8	3	5.1
M7 x 1.0		TBJ06346	TCJ06346	TDJ06346	17	80	30	7	5.5	8	3	6.1
M8 x 1.25		TBJ06366	TCJ06366	TDJ06366	20	90	35	8	6.2	9	3	6.9
M9 x 1.25		TBJ06396	TCJ06396	TDJ06396	20	90	35	9	7	10	3	7.9
M10 x 1.5		TBJ06426	TCJ06426	TDJ06426	22	100	39	10	8	11	3	8.6
M11 x 1.5		TBJ06466	TCJ06466	TDJ06466	22	100	40	8	6.2	9	3	9.6
M12 x 1.75		TBJ06506	TCJ06506	TDJ06506	24	110	44	9	7	10	3	10.3
M14 x 2.0		TBJ06546	TCJ06546	TDJ06546	26	110	44	11	9	12	3	12.1
M16 x 2.0		TBJ06606	TCJ06606	TDJ06606	27	110	44	12	9	12	3	14.1
M18 x 2.5		TBJ06656	TCJ06656	TDJ06656	30	125	50	14	11	14	4	15.6
M20 x 2.5		TBJ06706	TCJ06706	TDJ06706	32	140	54	16	12	15	4	17.6
M22 x 2.5		TBJ06746	TCJ06746	TDJ06746	32	140	54	18	14.5	17	4	19.6
M24 x 3.0		TBJ06786	TCJ06786	TDJ06786	34	160	60	18	14.5	17	4	21.1
M27 x 3.0		TBJ06866	TCJ06866	TDJ06866	36	160	60	20	16	19	4	24.1
M30 x 3.5		TBJ06946	TCJ06946	TDJ06946	40	180	70	22	18	21	4	26.6

► DIN371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

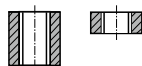
ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

3.0×D



Gruppo Materiali

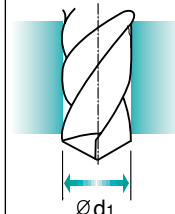
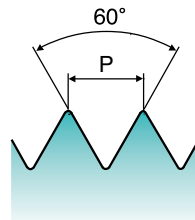
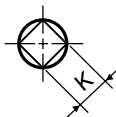
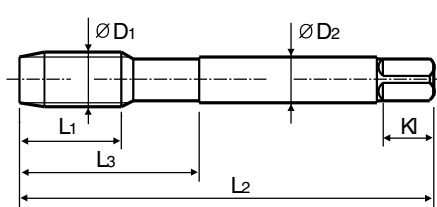
HSS-E

DIN 371/376

6G



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M2 x 0.4		TBJ07136	TCJ07136	TDJ07136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TBJ07156	TCJ07156	TDJ07156	8	45	13	2.8	2.1	5	3	1.75
M2.3 x 0.4		TBJ07196	TCJ07196	TDJ07196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TBJ07176	TCJ07176	TDJ07176	9	50	15	2.8	2.1	5	3	2.05
M2.6 x 0.45		TBJ07496	TCJ07496	TDJ07496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TBJ07206	TCJ07206	TDJ07206	11	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TBJ07226	TCJ07226	TDJ07226	12	56	20	4	3	6	3	2.9
M4 x 0.7		TBJ07246	TCJ07246	TDJ07246	13	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TBJ07266	TCJ07266	TDJ07266	14	70	25	6	4.9	8	3	3.7
M5 x 0.8		TBJ07286	TCJ07286	TDJ07286	15	70	25	6	4.9	8	3	4.2
M6 x 1.0		TBJ07316	TCJ07316	TDJ07316	17	80	30	6	4.9	8	3	5
M7 x 1.0		TBJ07346	TCJ07346	TDJ07346	17	80	30	7	5.5	8	3	6
M8 x 1.25		TBJ07366	TCJ07366	TDJ07366	20	90	35	8	6.2	9	3	6.8
M9 x 1.25		TBJ07396	TCJ07396	TDJ07396	20	90	35	9	7	10	3	7.8
M10 x 1.5		TBJ07426	TCJ07426	TDJ07426	22	100	39	10	8	11	3	8.5
M11 x 1.5		TBJ07466	TCJ07466	TDJ07466	22	100	40	8	6.2	9	3	9.5
M12 x 1.75		TBJ07506	TCJ07506	TDJ07506	24	110	44	9	7	10	3	10.2
M14 x 2.0		TBJ07546	TCJ07546	TDJ07546	26	110	44	11	9	12	3	12
M16 x 2.0		TBJ07606	TCJ07606	TDJ07606	27	110	44	12	9	12	3	14
M18 x 2.5		TBJ07656	TCJ07656	TDJ07656	30	125	50	14	11	14	4	15.5
M20 x 2.5		TBJ07706	TCJ07706	TDJ07706	32	140	54	16	12	15	4	17.5
M22 x 2.5		TBJ07746	TCJ07746	TDJ07746	32	140	54	18	14.5	17	4	19.5
M24 x 3.0		TBJ07786	TCJ07786	TDJ07786	34	160	60	18	14.5	17	4	21
M27 x 3.0		TBJ07866	TCJ07866	TDJ07866	36	160	60	20	16	19	4	24
M30 x 3.5		TBJ07946	TCJ07946	TDJ07946	40	180	70	22	18	21	4	26.5

► DIN 371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

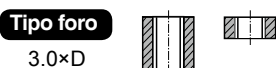
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

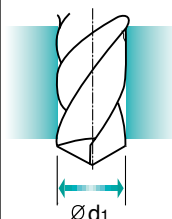
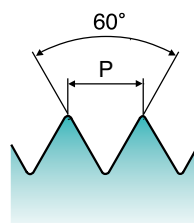
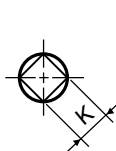
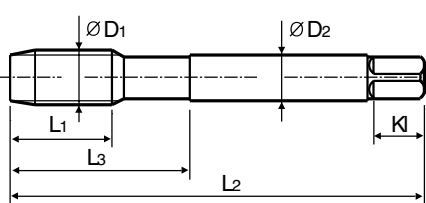
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.



Machine taps
Maschi a macchina



Unità : mm

Dim. ØD1	Passo P	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M2	x 0.4	TBJ08136	TCJ08136	TDJ08136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TBJ08156	TCJ08156	TDJ08156	8	45	13	2.8	2.1	5	3	1.75
M2.3	x 0.4	TBJ08196	TCJ08196	TDJ08196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TBJ08176	TCJ08176	TDJ08176	9	50	15	2.8	2.1	5	3	2.05
M2.6	x 0.45	TBJ08496	TCJ08496	TDJ08496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TBJ08206	TCJ08206	TDJ08206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TBJ08226	TCJ08226	TDJ08226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TBJ08246	TCJ08246	TDJ08246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TBJ08266	TCJ08266	TDJ08266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TBJ08286	TCJ08286	TDJ08286	15	70	25	6	4.9	8	3	4.2
M6	x 1.0	TBJ08316	TCJ08316	TDJ08316	17	80	30	6	4.9	8	3	5
M7	x 1.0	TBJ08346	TCJ08346	TDJ08346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TBJ08366	TCJ08366	TDJ08366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TBJ08396	TCJ08396	TDJ08396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TBJ08426	TCJ08426	TDJ08426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TBJ08466	TCJ08466	TDJ08466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TBJ08506	TCJ08506	TDJ08506	24	110	44	9	7	10	3	10.2
M14	x 2.0	TBJ08546	TCJ08546	TDJ08546	26	110	44	11	9	12	3	12
M16	x 2.0	TBJ08606	TCJ08606	TDJ08606	27	110	44	12	9	12	3	14
M18	x 2.5	TBJ08656	TCJ08656	TDJ08656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TBJ08706	TCJ08706	TDJ08706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TBJ08746	TCJ08746	TDJ08746	32	140	54	18	14.5	17	4	19.5
M24	x 3.0	TBJ08786	TCJ08786	TDJ08786	34	160	60	18	14.5	17	4	21
M27	x 3.0	TBJ08866	TCJ08866	TDJ08866	36	160	60	20	16	19	4	24
M30	x 3.5	TBJ08946	TCJ08946	TDJ08946	40	180	70	22	18	21	4	26.5

► DIN 371 (M2~M10) e DIN376 (M11~M30)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



TB854 SERIES

Vap

TC854 SERIES

Lucido

TD854 SERIES

TiN

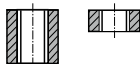
MF ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

3.0xD



Gruppo Materiali

MU

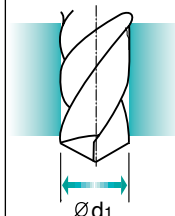
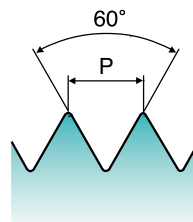
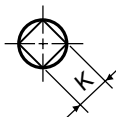
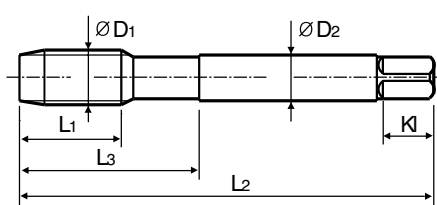
HSS-E

DIN 374

6H



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M4	x 0.5	TB854256	TC854256	TD854256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TB854296	TC854296	TD854296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TB854326	TC854326	TD854326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TB854336	TC854336	TD854336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TB854356	TC854356	TD854356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1.0	TB854376	TC854376	TD854376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TB854386	TC854386	TD854386	14	80	36	6	4.9	8	3	7.2
M10	x 1.25	TB854436	TC854436	TD854436	22	100	40	7	5.5	8	3	8.8
M10	x 1.0	TB854446	TC854446	TD854446	18	90	40	7	5.5	8	3	9
M10	x 0.75	TB854456	TC854456	TD854456	18	90	40	7	5.5	8	3	9.2
M12	x 1.5	TB854516	TC854516	TD854516	22	100	40	9	7	10	3	10.5
M12	x 1.25	TB854526	TC854526	TD854526	22	100	40	9	7	10	3	10.8
M12	x 1.0	TB854536	TC854536	TD854536	18	100	40	9	7	10	3	11
M14	x 1.5	TB854556	TC854556	TD854556	22	100	40	11	9	12	3	12.5
M14	x 1.25	TB854566	TC854566	TD854566	22	100	40	11	9	12	3	12.8
M14	x 1.0	TB854576	TC854576	TD854576	22	100	40	11	9	12	3	13
M16	x 1.5	TB854616	TC854616	TD854616	22	100	40	12	9	12	3	14.5
M16	x 1.0	TB854626	TC854626	TD854626	18	100	40	12	9	12	3	15
M18	x 1.5	TB854676	TC854676	TD854676	25	110	44	14	11	14	4	16.5
M18	x 1.0	TB854686	TC854686	TD854686	20	110	44	14	11	14	4	17
M20	x 1.5	TB854726	TC854726	TD854726	25	125	50	16	12	15	4	18.5
M20	x 1.0	TB854736	TC854736	TD854736	20	125	50	16	12	15	4	19
M22	x 1.5	TB854766	TC854766	TD854766	25	125	50	18	14.5	17	4	20.5
M22	x 1.0	TB854776	TC854776	TD854776	20	125	50	18	14.5	17	4	21

► SEGUE

Unità : N/mm²

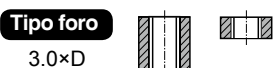
⊙ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

MF ISO Metric fine threads DIN 13 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.

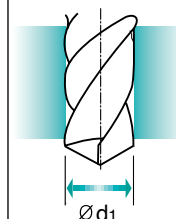
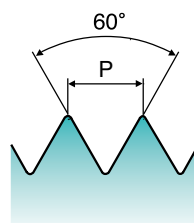
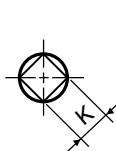
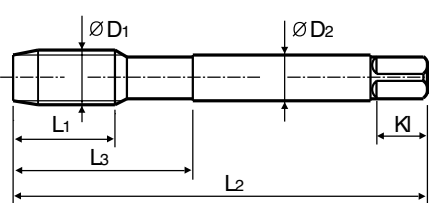
► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.



Gruppo Materiali **MU**

HSS-E DIN 374 6H 60° B Vap Lucido TiN

Machine taps
Maschi a macchina



Dim. ØD1	Passo P	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
M24 x 2.0		TB854796	TC854796	TD854796	27	140	54	18	14.5	17	4	22
M24 x 1.5		TB854806	TC854806	TD854806	27	140	54	18	14.5	17	4	22.5
M26 x 1.5		TB854856	TC854856	TD854856	28	140	54	18	14.5	17	4	24.5
M27 x 2.0		TB854876	TC854876	TD854876	28	140	54	20	16	19	4	25
M27 x 1.5		TB854886	TC854886	TD854886	28	140	54	20	16	19	4	25.5
M28 x 1.5		TB854916	TC854916	TD854916	28	140	54	20	16	19	4	26.5
M30 x 2.0		TB854966	TC854966	TD854966	30	150	57	22	18	21	4	28
M30 x 1.5		TB854976	TC854976	TD854976	30	150	57	22	18	21	4	28.5

Unità : N/mm²

⊙ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

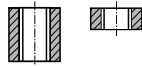
**MF** ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

3.0×D



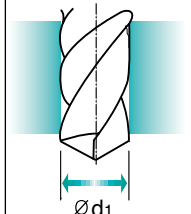
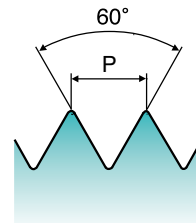
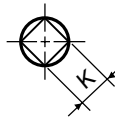
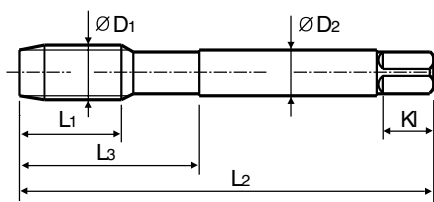
Gruppo Materiali

MU

HSS-E

DIN 374

6G

Lucido
TiNMachine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE		Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
		Lucido	TiN								
ØD1	P			L1	L2	L3	ØD2	K	KI	Z	Ød1
M4 x 0.5		TCJ09256	TDJ09256	10	63	21	2.8	2.1	5	3	3.5
M5 x 0.5		TCJ09296	TDJ09296	11	70	25	3.5	2.7	6	3	4.5
M6 x 0.75		TCJ09326	TDJ09326	13	80	30	4.5	3.4	6	3	5.2
M6 x 0.5		TCJ09336	TDJ09336	13	80	30	4.5	3.4	6	3	5.5
M7 x 0.75		TCJ09356	TDJ09356	14	80	30	5.5	4.3	7	3	6.2
M8 x 1.0		TCJ09376	TDJ09376	17	90	36	6	4.9	8	3	7
M8 x 0.75		TCJ09386	TDJ09386	14	80	36	6	4.9	8	3	7.2
M10 x 1.25		TCJ09436	TDJ09436	22	100	40	7	5.5	8	3	8.8
M10 x 1.0		TCJ09446	TDJ09446	18	90	40	7	5.5	8	3	9
M10 x 0.75		TCJ09456	TDJ09456	18	90	40	7	5.5	8	3	9.2
M12 x 1.5		TCJ09516	TDJ09516	22	100	40	9	7	10	3	10.5
M12 x 1.25		TCJ09526	TDJ09526	22	100	40	9	7	10	3	10.8
M12 x 1.0		TCJ09536	TDJ09536	18	100	40	9	7	10	3	11
M14 x 1.5		TCJ09556	TDJ09556	22	100	40	11	9	12	3	12.5
M14 x 1.25		TCJ09566	TDJ09566	22	100	40	11	9	12	3	12.8
M14 x 1.0		TCJ09576	TDJ09576	22	100	40	11	9	12	3	13
M16 x 1.5		TCJ09616	TDJ09616	22	100	40	12	9	12	3	14.5
M16 x 1.0		TCJ09626	TDJ09626	18	100	40	12	9	12	3	15
M18 x 1.5		TCJ09676	TDJ09676	25	110	44	14	11	14	4	16.5
M18 x 1.0		TCJ09686	TDJ09686	20	110	44	14	11	14	4	17
M20 x 1.5		TCJ09726	TDJ09726	25	125	50	16	12	15	4	18.5
M20 x 1.0		TCJ09736	TDJ09736	20	125	50	16	12	15	4	19
M22 x 1.5		TCJ09766	TDJ09766	25	125	50	18	14.5	17	4	20.5
M22 x 1.0		TCJ09776	TDJ09776	20	125	50	18	14.5	17	4	21

► SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

MF ISO Metric fine threads DIN 13 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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
3.0×D



MU
Gruppo Materiali

HSS-E

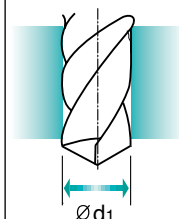
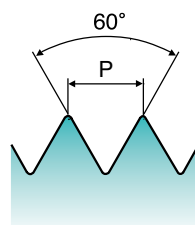
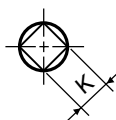
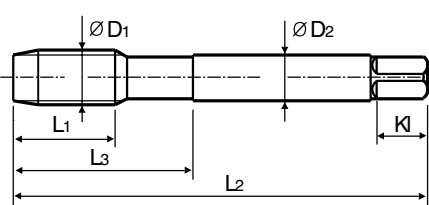
DIN 374

6G



Lucido
TiN

Machine taps
Maschi a macchina



Dim. ØD1	Passo P	CODICE		Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Lucido	TiN								
M24 x 2		TCJ09796	TDJ09796	27	140	54	18	14.5	17	4	22
M24 x 1.5		TCJ09806	TDJ09806	27	140	54	18	14.5	17	4	22.5
M26 x 1.5		TCJ09856	TDJ09856	28	140	54	18	14.5	17	4	24.5
M27 x 2		TCJ09876	TDJ09876	28	140	54	20	16	19	4	25
M27 x 1.5		TCJ09886	TDJ09886	28	140	54	20	16	19	4	25.5
M28 x 1.5		TCJ09916	TDJ09916	28	140	54	20	16	19	4	26.5
M30 x 2		TCJ09966	TDJ09966	30	150	57	22	18	21	4	28
M30 x 1.5		TCJ09976	TDJ09976	30	150	57	22	18	21	4	28.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13

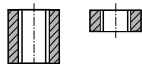
ISO Metrico passo grosso DIN 13

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

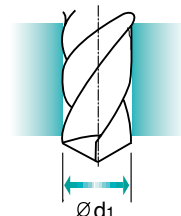
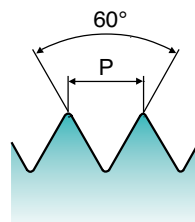
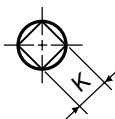
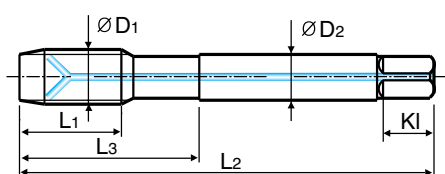
3.0×D


Con fori di refrigerazione

Gruppo Materiali

MU
HSS-E
DIN 371/376
6H

Lucido

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD ₁	P	Lucido	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M6	x 1	TC814316IC	17	80	30	6	4.9	8	3	5
M8	x 1.25	TC814366IC	20	90	35	8	6.2	9	3	6.8
M10	x 1.5	TC814426IC	22	100	39	10	8	11	3	8.5
M12	x 1.75	TC814506IC	24	110	44	9	7	10	3	10.2
M14	x 2	TC814546IC	26	110	44	11	9	12	3	12
M16	x 2	TC814606IC	27	110	44	12	9	12	3	14
M18	x 2.5	TC814656IC	30	125	50	14	11	14	4	15.5
M20	x 2.5	TC814706IC	32	140	54	16	12	15	4	17.5

► DIN371 (M6~M10) e DIN376 (M12~M20)

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads 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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
3.0×D



Gambo lungo

MU
Gruppo Materiali

HSS-E

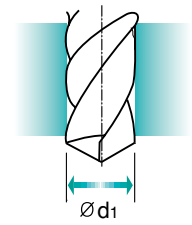
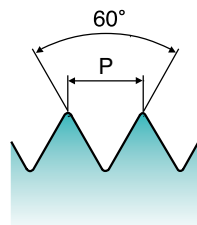
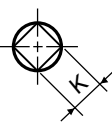
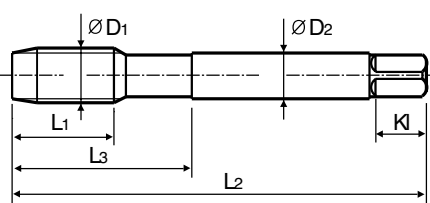
LONG

6H



Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3	x 0.5	TC445206	11	100	18	3.5	2.7	6	3	2.5
M4	x 0.7	TC445246	13	125	21	4.5	3.4	6	3	3.3
M5	x 0.8	TC445286	15	140	25	6	4.9	8	3	4.2
M6	x 1	TC445316	17	160	30	6	4.9	8	3	5
M8	x 1.25	TC445366	20	180	35	6	4.9	8	3	6.8
M10	x 1.5	TC445426	22	200	39	7	5.5	8	3	8.5
M12	x 1.75	TC445506	24	220	44	9	7	10	3	10.2
M14	x 2	TC445546	26	220	44	11	9	12	3	12
M16	x 2	TC445606	27	220	44	12	9	12	3	14
M20	x 2.5	TC445706	32	280	54	16	12	15	4	17.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

- MD
- HSS
- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHIA RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHIA MANO
- MASCHI PER TUBI

M ISO Metric coarse threads DIN 13

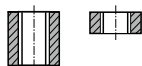
ISO Metrico passo grosso DIN 13

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

► Applicazioni su acciai Inox. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

3.0×D



Gruppo Materiali

VA

Fino a M12

Oltre M12

HSS-PM

HSS-E

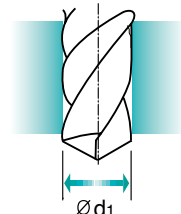
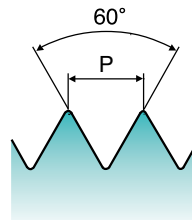
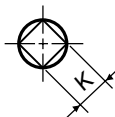
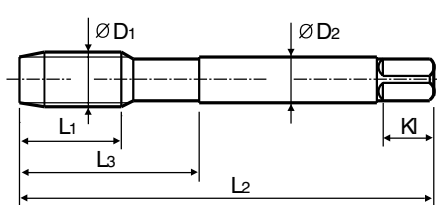
DIN 371/376

6H



Vap

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TQ428136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TQ428156	8	45	13	2.8	2.1	5	3	1.75
M2.3	x 0.4	TQ428196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TQ428176	9	50	15	2.8	2.1	5	3	2.05
M2.6	x 0.45	TQ428496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TQ428206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ428226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TQ428246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ428266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ428286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TQ428316	17	80	30	6	4.9	8	3	5
M7	x 1	TQ428346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TQ428366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TQ428396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TQ428426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TQ428466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TQ428506	24	110	44	9	7	10	3	10.2
M14	x 2	TB428546	26	110	44	11	9	12	3	12
M16	x 2	TB428606	27	110	44	12	9	12	3	14
M18	x 2.5	TB428656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TB428706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TB428746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TB428786	34	160	60	18	14.5	17	4	21
M27	x 3	TB428866	36	160	60	20	16	19	4	24
M30	x 3.5	TB428946	40	180	70	22	18	21	4	26.5

► DIN371 (M2~M10) e DIN376 (M11~M30) ► HSS-PM(M2~M12/TQ428) and HSS-E(M14~M30/TB428)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	◎	◎							
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
				○										

MF ISO Metric fine threads 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.

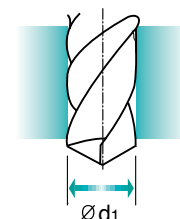
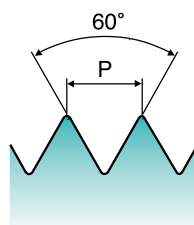
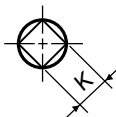
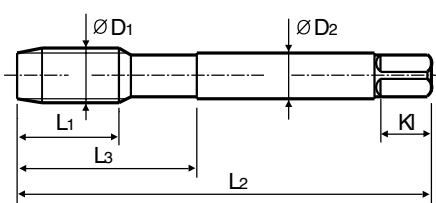
► Applicazioni su acciai Inox. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
3.0×D



Gruppo Materiali
VA
HSS-PM
DIN 374
6H
60°
B
Vap

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TQ438256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TQ438296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TQ438326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TQ438336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TQ438356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1	TQ438376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TQ438386	14	80	30	6	4.9	8	3	7.2
M10	x 1.25	TQ438436	22	100	40	7	5.5	8	3	8.8
M10	x 1	TQ438446	18	90	36	7	5.5	8	3	9
M10	x 0.75	TQ438456	18	90	36	7	5.5	8	3	9.2
M12	x 1.5	TQ438516	22	100	40	9	7	10	3	10.5
M12	x 1.25	TQ438526	22	100	40	9	7	10	3	10.8
M12	x 1	TQ438536	18	100	40	9	7	10	3	11

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○	○	○	○	◎	◎							
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
				○										

MF

ISO Metric fine threads DIN 13

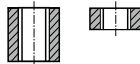
ISO Metrico passo fine DIN 13

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

► Applicazioni su acciai Inox. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

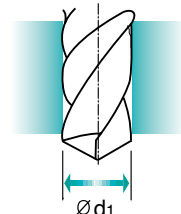
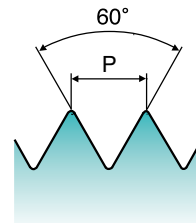
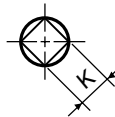
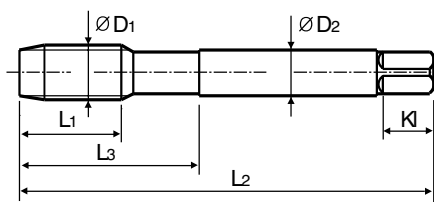
3.0×D



Gruppo Materiali

VA
HSS-E
DIN 374
6H

Vap

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Dim. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M14 x 1.5		TB438556	22	100	40	11	9	12	3	12.5
M14 x 1.25		TB438566	22	100	40	11	9	12	3	12.8
M14 x 1.0		TB438576	22	100	40	11	9	12	3	13
M16 x 1.5		TB438616	22	100	40	12	9	12	3	14.5
M16 x 1		TB438626	18	100	40	12	9	12	3	15
M18 x 1.5		TB438676	25	110	44	14	11	14	4	16.5
M18 x 1		TB438686	20	110	44	14	11	14	4	17
M20 x 1.5		TB438726	25	125	50	16	12	15	4	18.5
M20 x 1		TB438736	20	125	50	16	12	15	4	19
M22 x 1.5		TB438766	25	125	50	18	14.5	17	4	20.5
M22 x 1		TB438776	20	125	50	18	14.5	17	4	21
M24 x 2		TB438796	27	140	54	18	14.5	17	4	22
M24 x 1.5		TB438806	27	140	54	18	14.5	17	4	22.5
M26 x 1.5		TB438856	28	140	54	18	14.5	17	4	24.5
M27 x 2		TB438876	28	140	54	20	16	19	4	25
M27 x 1.5		TB438886	28	140	54	20	16	19	4	25.5
M28 x 1.5		TB438916	28	140	54	20	16	19	4	26.5
M30 x 2		TB438966	30	150	57	22	18	21	4	28
M30 x 1.5		TB438976	30	150	57	22	18	21	4	28.5

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○										

UNC

Unified coarse threads
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.

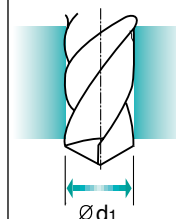
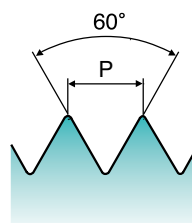
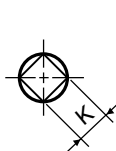
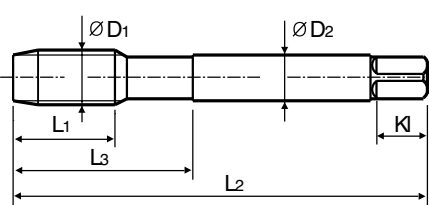
► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro
3.0×D



HSS-E	DIN 371/376	2B	60°	B	Vap Lucido TiN
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Machine taps
Maschi a macchina



Dim. ØD1	TPI	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
#4	- 40 UNC	TB834162	TC834162	TD834162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TB834202	TC834202	TD834202	11	56	18	3.5	2.7	6	3	2.6
#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) e DIN376 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

UNC

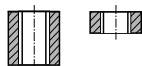
 Unified coarse threads
Unificato passo grosso

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

3.0×D

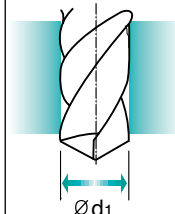
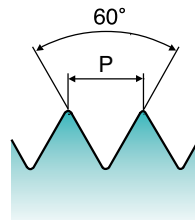
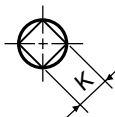
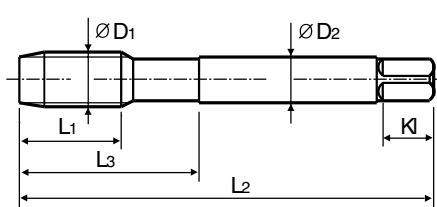

MU
Gruppo Materiali

HSS-E

DIN
371/376

3B


Lucido
TiN

 Machine taps
Maschi a macchina


Unità : mm

Dim. ØD1	TPI	CODICE		Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Lucido	TiN								
#4	- 40 UNC	TCJ01162	TDJ01162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TCJ01202	TDJ01202	11	56	18	3.5	2.7	6	3	2.6
#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) e DIN376 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNF

Unified fine threads
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.

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

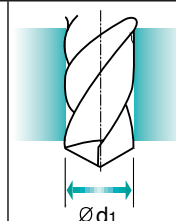
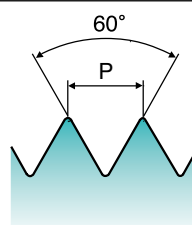
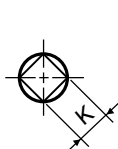
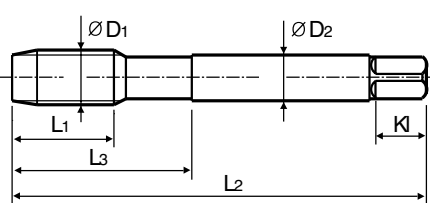
Tipo foro
3.0×D



Gruppo Materiali **MU**

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

Machine taps
Maschi a macchina



Dim.	TPI	CODICE			Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro KI	N° Eliche Z	Diametro preforo Ød1
		Vap	Lucido	TiN								
#4	- 48 UNF	TB874182	TC874182	TD874182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TB874222	TC874222	TD874222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TB874262	TC874262	TD874262	12	56	20	4	3	6	3	3
#8	- 36 UNF	TB874302	TC874302	TD874302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TB874342	TC874342	TD874342	15	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TB874382	TC874382	TD874382	16	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TB874422	TC874422	TD874422	17	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TB874462	TC874462	TD874462	17	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TB874502	TC874502	TD874502	18	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TB874542	TC874542	TD874542	22	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TB874582	TC874582	TD874582	22	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TB874622	TC874622	TD874622	22	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TB874662	TC874662	TD874662	22	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TB874722	TC874722	TD874722	25	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TB874762	TC874762	TD874762	26	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TB874802	TC874802	TD874802	28	140	54	20	16	19	4	23.25

► DIN371 (#4~3/8) e DIN374 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNF

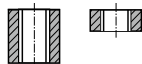
Unified fine threads Unificato passo fine

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

► Applicazioni generali su una vasta gamma di materiali. Migliore qualità della filettatura generata e maggiore durata utensile grazie alla speciale geometria brevettata YG-1.

Tipo foro

3.0×D



Gruppo Materiali

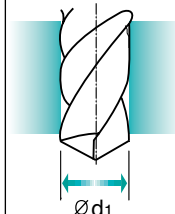
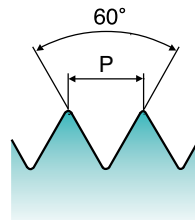
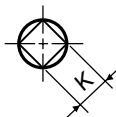
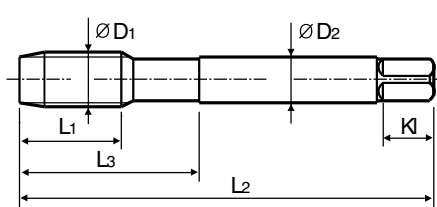
MU

HSS-E

DIN 371/374

3B


**Lucido
TiN**

 Machine taps
 Maschi a macchina


Unità : mm

Dim. ØD1	TPI	CODICE		Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Dim. Gambo ØD2	Dim. Quadro K	Lungh. Quadro Kl	N° Eliche Z	Diametro preforo Ød1
		Lucido	TiN								
#4	- 48 UNF	TCJ02182	TDJ02182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TCJ02222	TDJ02222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TCJ02262	TDJ02262	12	56	20	4	3	6	3	3
#8	- 36 UNF	TCJ02302	TDJ02302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TCJ02342	TDJ02342	15	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TCJ02382	TDJ02382	16	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TCJ02422	TDJ02422	17	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TCJ02462	TDJ02462	17	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TCJ02502	TDJ02502	18	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TCJ02542	TDJ02542	22	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TCJ02582	TDJ02582	22	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TCJ02622	TDJ02622	22	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TCJ02662	TDJ02662	22	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TCJ02722	TDJ02722	25	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TCJ02762	TDJ02762	26	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TCJ02802	TDJ02802	28	140	54	20	16	19	4	23.25

► DIN371 (#4~3/8) e DIN374 (7/16~1)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎



HSS-E & HSS-PM

Migliorare attraverso l'innovazione



MASCHI FORI CIECHI

- Tapping Blind Holes, HSS-E & HSS-PM

- Maschi per fori ciechi, HSS-E & HSS-PM

GUIDA ALLA SELEZIONE

HSS-E & HSS-PM

MASCHI FORI CIECHI

◆ SYNCHRO TYPE

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento superficiale	PAG.
◆ TTS31		HSS-PM	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	TiN	434
TC612		HSS-E	M	GS	DIN 352	ISO 2/6H	C	2.5D	Lucido	435
TC517		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	436
TC711		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	437
TD711		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.5D	TiN	438
TQ823		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Vap	439
TR823		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	440
TB312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Vap	441
TB913		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Vap	442
TC312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	443
TD312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	TiN	444
TY312		HSS-E	M	VG	DIN 371/376	ISO 2/6H	C	2.5D	TiAlN	445
TQ813		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	C	2.5D	Vap	446
TR813		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	447
TB313		HSS-E	M	HR	DIN 371/376	ISO 2/6H	C	2.5D	Vap	448
TC313		HSS-E	M	HR	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	449
TY313		HSS-E	M	HR	DIN 371/376	ISO 2/6H	C	2.5D	TiAlN	450
TBE15		HSS-E	M	VA NW	DIN 371/376	ISO 1/4H	C	2.5D	Vap	451
TB914 TI914		HSS-E	M	VA NW	DIN 371/376	ISO 2/6H	C	2.5D	VAP TiCN	452
TBE16		HSS-E	M	VA NW	DIN 371/376	6H+0.1	C	2.5D	Vap	453
TBE17		HSS-E	M	VA NW	DIN 371/376	ISO 3/6G	C	2.5D	Vap	454
TBE18		HSS-E	M	VA NW	DIN 371/376	7G	C	2.5D	Vap	455
TCH14		HSS-E	M	VA NW	DIN 371/376	ISO 2/6H	C	2.5D	Hardslick	456
TB711		HSS-E	M	NW	DIN 371/376	ISO 2/6H	C	2.5D	Vap	457
TM903		HSS-PM	M	Ti	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	458

MASCHI FORI CIECHI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento superficiale	PAG.
TZ903		HSS-PM	M	Ti	DIN 371/376	ISO 2/6H	C	2.5D	TiAIN	459
TQ833		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	C	2.5D	Vap	460
TR833		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	461
TM933		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	462
TZ933		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	C	2.5D	TiAIN	463
TC163		HSS-E	M	Al	DIN 371/376	ISO 2/6H	C	2.5D	Lucido	464
TE953		HSS-E	M	Al	DIN 371/376	ISO 2/6H	C	2.5D	NI	465
TC411		HSS-E	MF	GS	DIN 374	ISO 2/6H	C	2.5D	Lucido	466
TD411		HSS-E	MF	GS	DIN 374	ISO 2/6H	C	2.5D	TiN	468
TC413		HSS-E	MF	VG	DIN 374	ISO 2/6H	C	2.5D	Lucido	470
TD413		HSS-E	MF	VG	DIN 374	ISO 2/6H	C	2.5D	TiN	471
TB183		HSS-E	MF	VA NW	DIN 374	ISO 2/6H	C	2.5D	Vap	472
TC963		HSS-E	MF	Al	DIN 374	ISO 2/6H	C	2.5D	Lucido	473
TC144		HSS-E	UNC	GS	DIN 371/376	2B	C	2.5D	Lucido	474
TC174		HSS-E	UNC	VG	DIN 371/376	2B	C	2.5D	Lucido	475
TD174		HSS-E	UNC	VG	DIN 371/376	2B	C	2.5D	TiN	476
TB904		HSS-E	UNC	VA NW	DIN 371/376	2B	C	2.5D	Vap	477
TC169		HSS-E	UNC	Al	DIN 371/376	2B	C	2.5D	Lucido	478
TC124		HSS-E	UNF	GS	DIN 371/374	2B	C	2.5D	Lucido	479
TC184		HSS-E	UNF	VG	DIN 371/374	2B	C	2.5D	Lucido	480
TB924		HSS-E	UNF	VA NW	DIN 371/374	2B	C	2.5D	Vap	481
TC170		HSS-E	UNF	Al	DIN 371/374	2B	C	2.5D	Lucido	482
TC134		HSS-E	BSW	GS	DIN 2182/2183	-	C	2.5D	Lucido	483

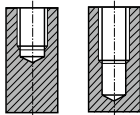
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for high speed machining and high precision threads

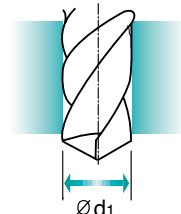
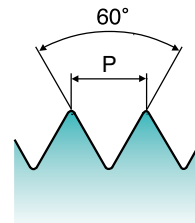
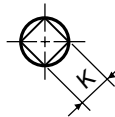
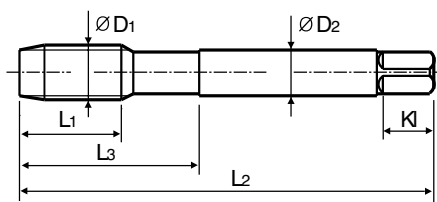
► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371/376

**Synchro
Type**Possibilità di incrementare di 2 o 3 volte
le velocità di taglio normalmente
consigliate per il gruppo GS**HSS-PM****DIN
371/376****6H****TiN****Machine taps
Maschi a macchina**

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD ₁	P	TiN	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M3	x 0.5	TTS31206	6	56	18	3.5	2.7	6	3	2.5
M4	x 0.7	TTS31246	7	63	21	4.5	3.4	6	3	3.3
M5	x 0.8	TTS31286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TTS31316	10	80	30	6	4.9	8	3	5
M8	x 1.25	TTS31366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TTS31426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TTS31506	18	110	44	9	7	10	3	10.2
M14	x 2	TTS31546	20	110	44	11	9	12	3	12
M16	x 2	TTS31606	20	110	44	12	9	12	3	14
M18	x 2.5	TTS31656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TTS31706	25	140	54	16	12	15	4	17.5

► DIN371 (M3~M10) e DIN376 (M11~M20)

Unità : N/mm²

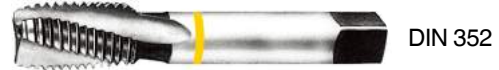
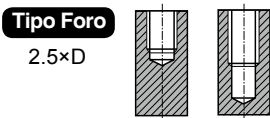
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○						○		○			
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
				○		○				○	○	○		

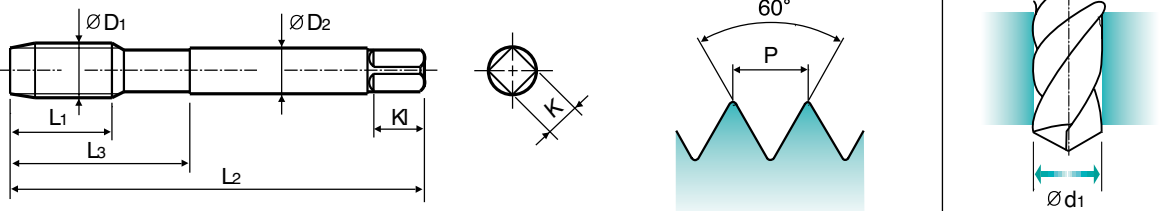
M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione



Gruppo Materiali **GS** **HSS-E** **DIN 352** **6H** **60°** **C** **Lucido** **R20** **Short machine taps**
Maschi a macchina corti



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3	x 0.5	TC612206	11	40	18	3.5	2.7	6	3	2.5
M4	x 0.7	TC612246	13	45	21	4.5	3.4	6	3	3.3
M5	x 0.8	TC612286	16	52	26	6	4.9	8	3	4.2
M6	x 1	TC612316	18	56	27	6	4.9	8	3	5
M8	x 1.25	TC612366	20	63	34	6	4.9	8	3	6.8
M10	x 1.5	TC612426	22	70	38	7	5.5	8	3	8.5
M12	x 1.75	TC612506	24	80	45	9	7	10	3	10.2
M14	x 2	TC612546	26	80	45	11	9	12	3	12
M16	x 2	TC612606	27	80	45	12	9	12	3	14
M18	x 2.5	TC612656	30	95	58	14	11	14	4	15.5
M20	x 2.5	TC612706	32	95	58	16	12	15	4	17.5

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○								◎	◎	○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○		◎		○	○	○	◎	○		

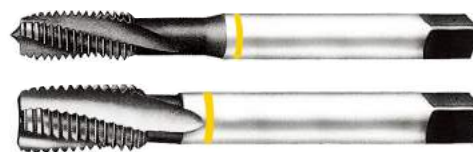
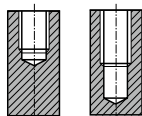
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D

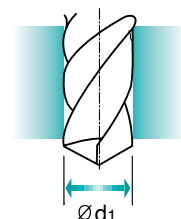
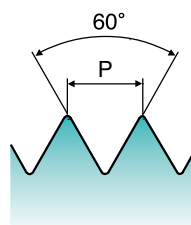
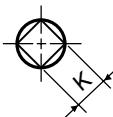
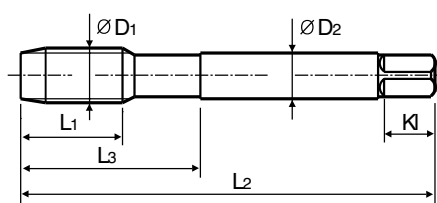


DIN 371

DIN 376


HSS-E
DIN 371/376
6H

Lucido

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2	x 0.4	TC517136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC517156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC517196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC517176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC517496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC517206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC517226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TC517246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC517266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC517286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TC517316	10	80	30	6	4.9	8	3	5
M7	x 1	TC517346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TC517366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC517396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TC517426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TC517466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC517506	18	110	44	9	7	10	3	10.2
M14	x 2	TC517546	20	110	44	11	9	12	3	12
M16	x 2	TC517606	20	110	44	12	9	12	3	14
M18	x 2.5	TC517656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TC517706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TC517746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TC517786	30	160	60	18	14.5	17	4	21
M27	x 3	TC517866	30	160	60	20	16	19	4	24
M30	x 3.5	TC517946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○									○	○	○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads DIN 13

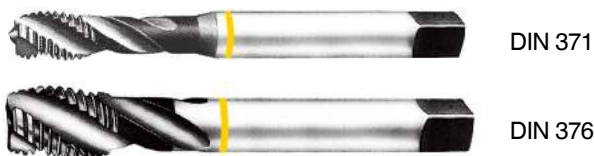
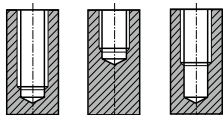
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



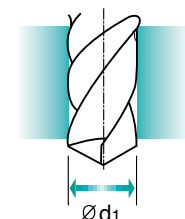
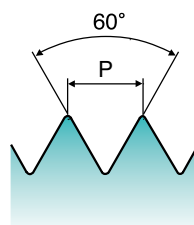
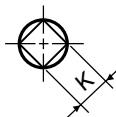
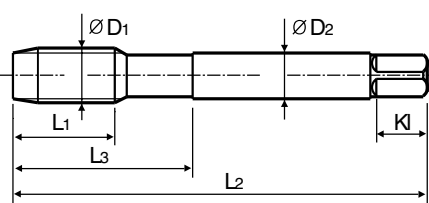
HSS-E

DIN 371/376

6H



Lucido


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC711136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC711156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC711196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC711176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC711496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC711206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC711226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TC711246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC711266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC711286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TC711316	10	80	30	6	4.9	8	3	5
M7	x 1	TC711346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TC711366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC711396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TC711426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TC711466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC711506	18	110	44	9	7	10	3	10.2
M14	x 2	TC711546	20	110	44	11	9	12	3	12
M16	x 2	TC711606	20	110	44	12	9	12	3	14
M18	x 2.5	TC711656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TC711706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TC711746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TC711786	30	160	60	18	14.5	17	4	21
M27	x 3	TC711866	30	160	60	20	16	19	4	24
M30	x 3.5	TC711946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎												
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	◎	○	○	○

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHIA A MANO

MASCHI PER TUBI



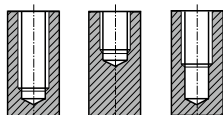
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



HSS-E

DIN 371/376

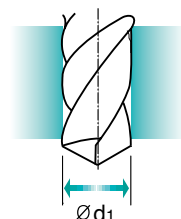
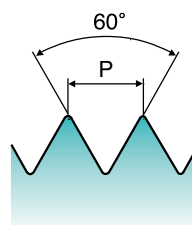
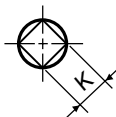
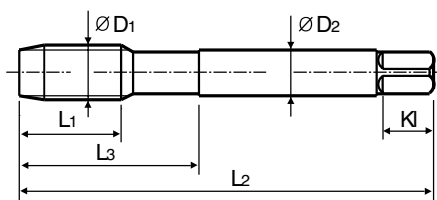
6H



TiN



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2	x 0.4	TD711136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TD711156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TD711196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TD711176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TD711496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TD711206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TD711226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TD711246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TD711266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TD711286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TD711316	10	80	30	6	4.9	8	3	5
M7	x 1	TD711346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TD711366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TD711396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TD711426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TD711466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TD711506	18	110	44	9	7	10	3	10.2
M14	x 2	TD711546	20	110	44	11	9	12	3	12
M16	x 2	TD711606	20	110	44	12	9	12	3	14
M18	x 2.5	TD711656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TD711706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TD711746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TD711786	30	160	60	18	14.5	17	4	21
M27	x 3	TD711866	30	160	60	20	16	19	4	24
M30	x 3.5	TD711946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

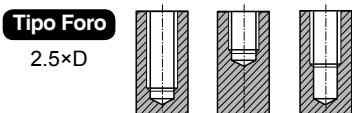
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○									○	○	○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○			○		○		○	○	○	○	○		

**M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13**

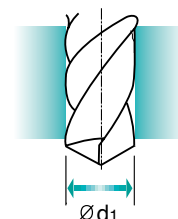
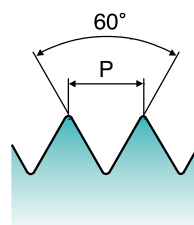
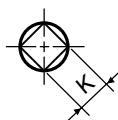
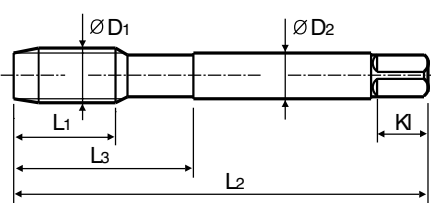
► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione



Gruppo Materiali **VG** HSS-PM DIN 371/376 6H 60° C Vap R40

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TQ823136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TQ823156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TQ823176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TQ823206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ823226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TQ823246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ823266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ823286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TQ823316	10	80	30	6	4.9	8	3	5
M7	x 1	TQ823346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TQ823366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TQ823426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TQ823506	18	110	44	9	7	10	3	10.2

► DIN (M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
			○	◎				○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHIA RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHIA A MANO
- MASCHI PER TUBI

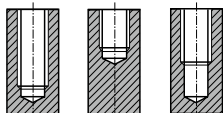
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

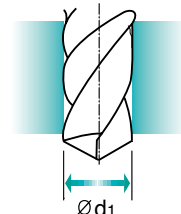
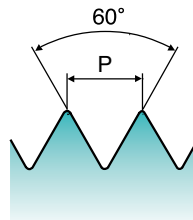
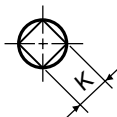
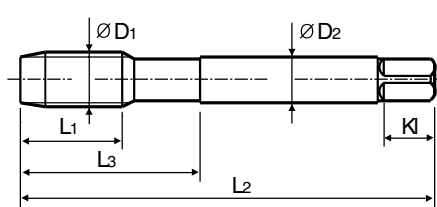
Tipo Foro

2.5×D



DIN 371

DIN 376

**HSS-PM****DIN
371/376****6H****Lucido**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TR823136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TR823156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TR823176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TR823206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TR823226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TR823246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TR823266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TR823286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TR823316	10	80	30	6	4.9	8	3	5
M7	x 1	TR823346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TR823366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TR823426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TR823506	18	110	44	9	7	10	3	10.2

► DIN 371 (M2~M10) e DIN 376 (M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni < 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

M ISO Metric coarse threads DIN 13

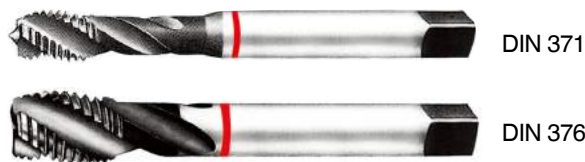
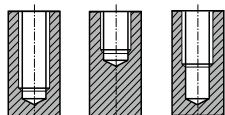
ISO Metrico passo grosso DIN 13

► Suitable for threading blind holes due to excellent chip evacuation of tempered steels or similar work materials.

► Adatto per filettature di fori ciechi su acciai bonificati o materiali simili, grazie all'eccellente evacuazione del truciolo.

Tipo Foro

2.5×D



DIN 371

DIN 376



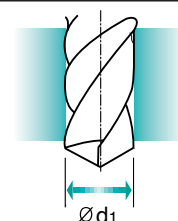
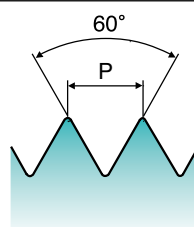
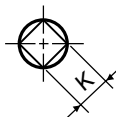
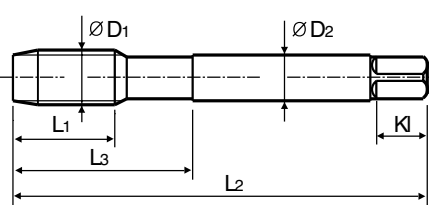
HSS-E

DIN 371/376

6H



Vap


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TB312136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TB312156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TB312196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TB312176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TB312496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TB312206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TB312226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TB312246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TB312266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TB312286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TB312316	10	80	30	6	4.9	8	3	5
M7	x 1	TB312346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TB312366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TB312396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TB312426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TB312466	17	100	40	8	6.2	12	3	9.5
M12	x 1.75	TB312506	18	110	44	9	7	10	3	10.2
M14	x 2	TB312546	20	110	44	11	9	12	3	12
M16	x 2	TB312606	20	110	44	12	9	12	3	14
M18	x 2.5	TB312656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TB312706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TB312746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TB312786	30	160	60	18	14.5	17	4	21
M27	x 3	TB312866	30	160	60	20	16	19	4	24
M30	x 3.5	TB312946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
			○											

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHIA MANO

MASCHI PER TUBI

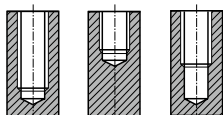
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

- With recessed threads for machine tapping of deep blind holes.
- Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

- Zona posteriore scaricata per filettature di fori ciechi più profondi.
- Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376

Gruppo Materiali

VG

HSS-E

DIN
371/376

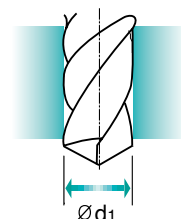
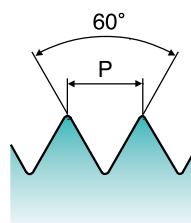
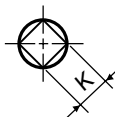
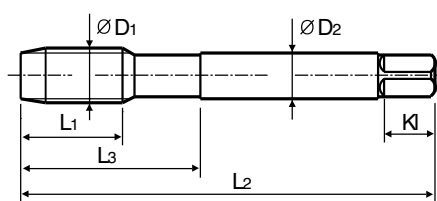
6H

60°

C

Vap

R40

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TB913136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TB913156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TB913196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TB913176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TB913496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TB913206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TB913226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TB913246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TB913266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TB913286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TB913316	10	80	30	6	4.9	8	3	5
M7	x 1	TB913346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TB913366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TB913396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TB913426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TB913466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TB913506	18	110	44	9	7	10	3	10.2
M14	x 2	TB913546	20	110	44	11	9	12	3	12
M16	x 2	TB913606	20	110	44	12	9	12	3	14
M18	x 2.5	TB913656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TB913706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TB913746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TB913786	30	160	60	18	14.5	17	4	21
M27	x 3	TB913866	30	160	60	20	16	19	4	24
M30	x 3.5	TB913946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
			○											

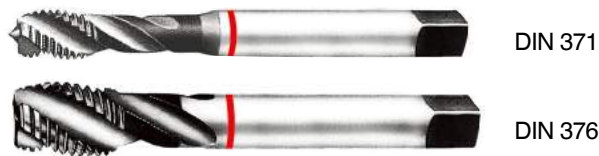
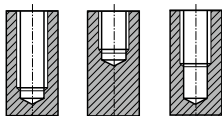
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



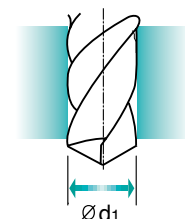
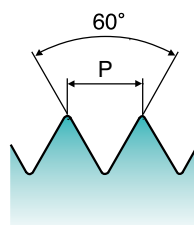
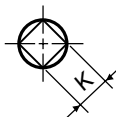
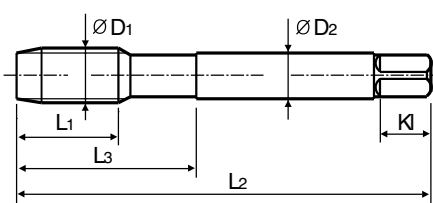
HSS-E

DIN 371/376

6H



Lucido


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC312136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC312156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC312196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC312176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC312496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC312206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC312226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TC312246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC312266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC312286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TC312316	10	80	30	6	4.9	8	3	5
M7	x 1	TC312346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TC312366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC312396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TC312426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TC312466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC312506	18	110	44	9	7	10	3	10.2
M14	x 2	TC312546	20	110	44	11	9	12	3	12
M16	x 2	TC312606	20	110	44	12	9	12	3	14
M18	x 2.5	TC312656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TC312706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TC312746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TC312786	30	160	60	18	14.5	17	4	21
M27	x 3	TC312866	30	160	60	20	16	19	4	24
M30	x 3.5	TC312946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
		○												

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHIA MANO

MASCHI PER TUBI

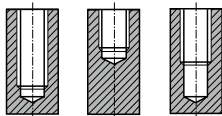
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



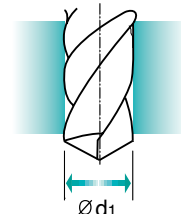
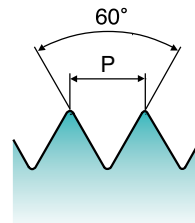
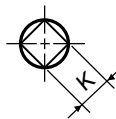
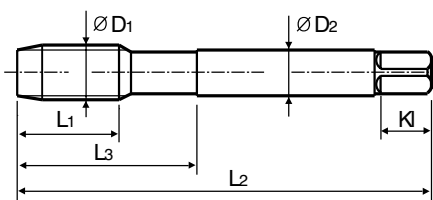
HSS-E

DIN
371/376

6H



TiN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TD312136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TD312156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TD312196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TD312176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TD312496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TD312206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TD312226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TD312246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TD312266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TD312286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TD312316	10	80	30	6	4.9	8	3	5
M7	x 1	TD312346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TD312366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TD312396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TD312426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TD312466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TD312506	18	110	44	9	7	10	3	10.2
M14	x 2	TD312546	20	110	44	11	9	12	3	12
M16	x 2	TD312606	20	110	44	12	9	12	3	14
M18	x 2.5	TD312656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TD312706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TD312746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TD312786	30	160	60	18	14.5	17	4	21
M27	x 3	TD312866	30	160	60	20	16	19	4	24
M30	x 3.5	TD312946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

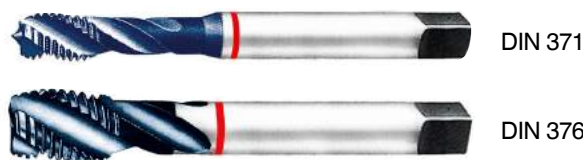
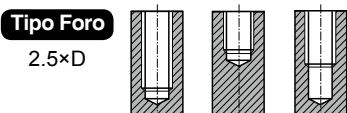
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
			○											

M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

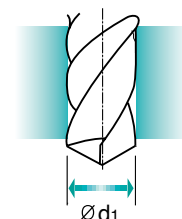
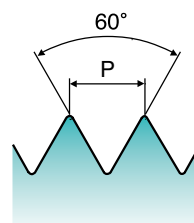
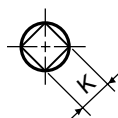
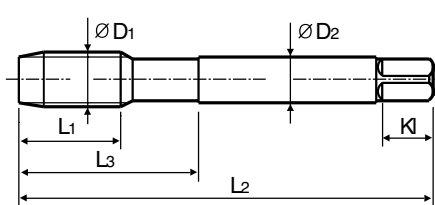
► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione



Gruppo Materiali **VG** HSS-E DIN 371/376 6H 60° C TiAlN R40

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiAlN	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TY312136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TY312156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TY312196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TY312176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TY312496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TY312206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TY312226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TY312246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TY312266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TY312286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TY312316	10	80	30	6	4.9	8	3	5
M7	x 1	TY312346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TY312366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TY312396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TY312426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TY312466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TY312506	18	110	44	9	7	10	3	10.2
M14	x 2	TY312546	20	110	44	11	9	12	3	12
M16	x 2	TY312606	20	110	44	12	9	12	3	14
M18	x 2.5	TY312656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TY312706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TY312746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TY312786	30	160	60	18	14.5	17	4	21
M27	x 3	TY312866	30	160	60	20	16	19	4	24
M30	x 3.5	TY312946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
			○	◎				○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
			○											

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

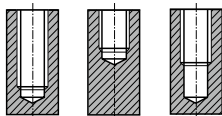
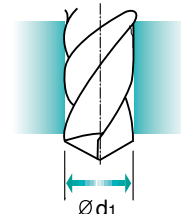
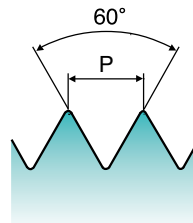
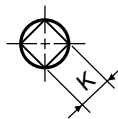
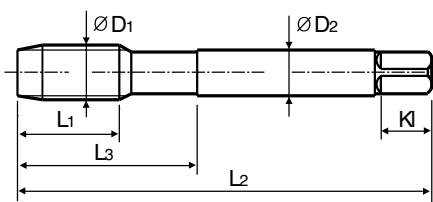
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D

**HSS-PM****DIN
371/376****6H****Vap**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TQ813136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TQ813156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TQ813176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TQ813206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ813226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TQ813246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ813266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ813286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TQ813316	10	80	30	6	4.9	8	3	5
M7	x 1	TQ813346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TQ813366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TQ813426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TQ813506	18	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

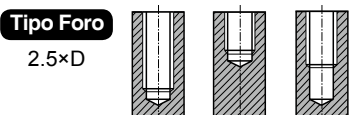
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	◎					◎	◎	◎						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni < 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

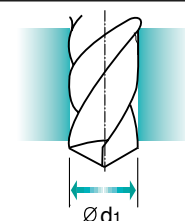
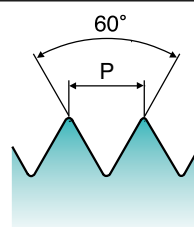
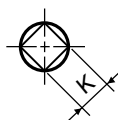
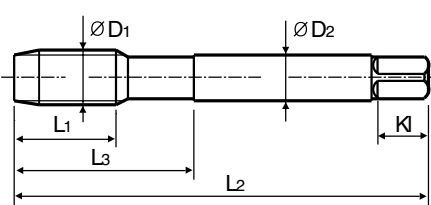
M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione



VA Gruppo Materiali **HSS-PM** **DIN 371/376** **6H** **60°** **C** **Lucido** **R40** Machine taps Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TR813136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TR813156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TR813176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TR813206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TR813226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TR813246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TR813266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TR813286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TR813316	10	80	30	6	4.9	8	3	5
M7	x 1	TR813346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TR813366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TR813426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TR813506	18	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	◎					◎	◎	◎						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

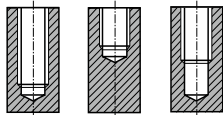
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371



DIN 376



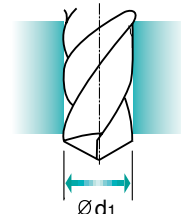
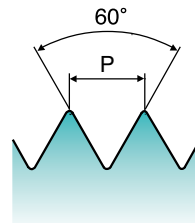
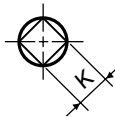
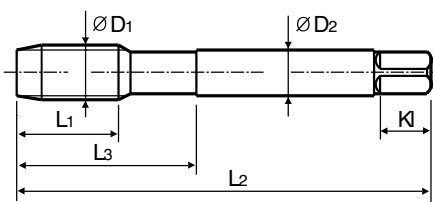
HSS-E

DIN
371/376

6H



Vap

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2	x 0.4	TB313136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TB313156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TB313196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TB313176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TB313496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TB313206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TB313226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TB313246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TB313266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TB313286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TB313316	10	80	30	6	4.9	8	3	5
M7	x 1	TB313346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TB313366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TB313396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TB313426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TB313466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TB313506	18	110	44	9	7	10	3	10.2
M14	x 2	TB313546	20	110	44	11	9	12	3	12
M16	x 2	TB313606	20	110	44	12	9	12	3	14
M18	x 2.5	TB313656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TB313706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TB313746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TB313786	30	160	60	18	14.5	17	4	21
M27	x 3	TB313866	30	160	60	20	16	19	4	24
M30	x 3.5	TB313946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				○	◎			○						
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
								◎					○	○

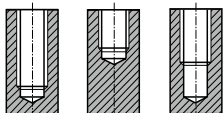
**M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13**

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5xD



DIN 371

DIN 376

HR

HSS-E

DIN 371/376

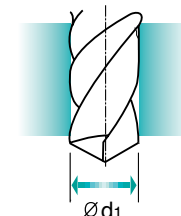
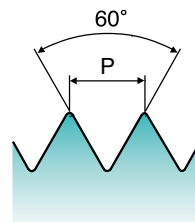
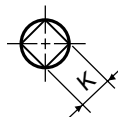
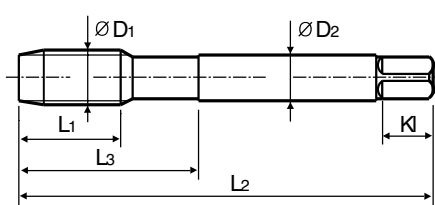
6H



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TC313136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC313156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC313196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC313176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC313496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC313206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC313226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TC313246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC313266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC313286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TC313316	10	80	30	6	4.9	8	3	5
M7	x 1	TC313346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TC313366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC313396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TC313426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TC313466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC313506	18	110	44	9	7	10	3	10.2
M14	x 2	TC313546	20	110	44	11	9	12	3	12
M16	x 2	TC313606	20	110	44	12	9	12	3	14
M18	x 2.5	TC313656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TC313706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TC313746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TC313786	30	160	60	18	14.5	17	4	21
M27	x 3	TC313866	30	160	60	20	16	19	4	24
M30	x 3.5	TC313946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
				○	○			○						
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
													○	○

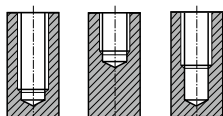
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371



DIN 376

Gruppo Materiali

HR

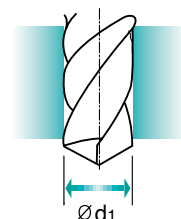
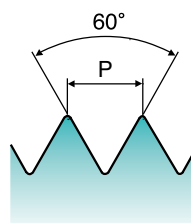
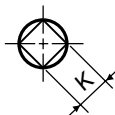
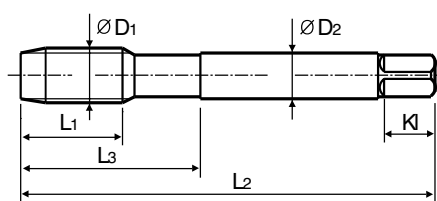
HSS-E

DIN 371/376

6H



TiAlN


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiAlN	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2	x 0.4	TY313136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TY313156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TY313196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TY313176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TY313496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TY313206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TY313226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TY313246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TY313266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TY313286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TY313316	10	80	30	6	4.9	8	3	5
M7	x 1	TY313346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TY313366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TY313396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TY313426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TY313466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TY313506	18	110	44	9	7	10	3	10.2
M14	x 2	TY313546	20	110	44	11	9	12	3	12
M16	x 2	TY313606	20	110	44	12	9	12	3	14
M18	x 2.5	TY313656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TY313706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TY313746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TY313786	30	160	60	18	14.5	17	4	21
M27	x 3	TY313866	30	160	60	20	16	19	4	24
M30	x 3.5	TY313946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				○	◎			○						
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
					○		◎						○	○

M ISO Metric coarse threads DIN 13

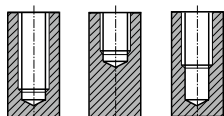
ISO Metrico passo grosso DIN 13

- ▶ With recessed threads for machine tapping of deep blind holes.
- ▶ Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

- ▶ Zona posteriore scaricata per filettature di fori ciechi più profondi.
- ▶ Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



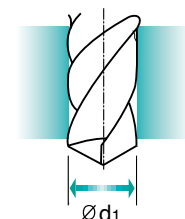
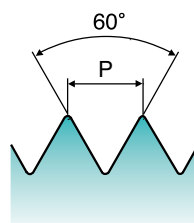
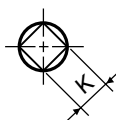
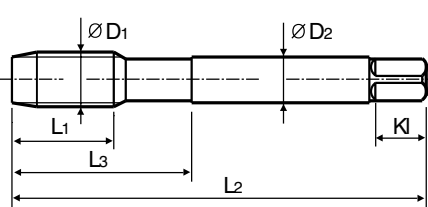
HSS-E

DIN 371/376

4H



Vap


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TBE15136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TBE15156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TBE15196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TBE15176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TBE15496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TBE15206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TBE15226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TBE15246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TBE15266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TBE15286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TBE15316	10	80	30	6	4.9	8	3	5
M7	x 1	TBE15346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TBE15366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TBE15396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TBE15426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TBE15466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TBE15506	18	110	44	9	7	10	3	10.2
M14	x 2	TBE15546	20	110	44	11	9	12	3	12
M16	x 2	TBE15606	20	110	44	12	9	12	3	14
M18	x 2.5	TBE15656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TBE15706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TBE15746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TBE15786	30	160	60	18	14.5	17	4	21
M27	x 3	TBE15866	30	160	60	20	16	19	4	24
M30	x 3.5	TBE15946	35	180	70	22	18	21	4	26.5

▶ DIN 371(M2~M10) e DIN 376(M11~M30)

▶ * Profilo DIN non ISO

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○					○	○	○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

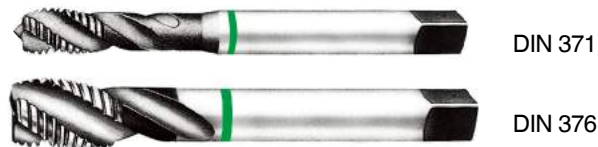
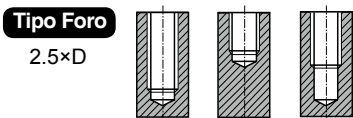
MASCHIA MANO

MASCHI PER TUBI

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

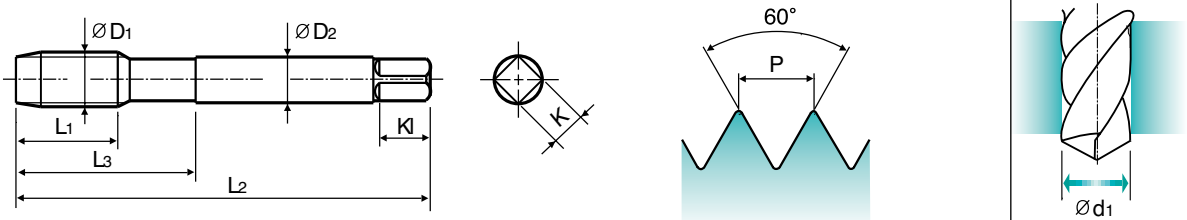
- ▶ With recessed threads for machine tapping of deep blind holes.
- ▶ Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

- ▶ Zona posteriore scaricata per filettature di fori ciechi più profondi.
- ▶ Adatti per lavorazioni in alta velocità e filettature ad elevata precisione



Gruppo Materiali **VA NW** HSS-E DIN 371/376 6H 60° C Vap TiCN R40

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE		Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diam. Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	TiCN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TB914136	TI914136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TB914156	TI914156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TB914196	TI914196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TB914176	TI914176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TB914496	TI914496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TB914206	TI914206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TB914226	TI914226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TB914246	TI914246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TB914266	TI914266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TB914286	TI914286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TB914316	TI914316	10	80	30	6	4.9	8	3	5
M7	x 1	TB914346	TI914346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TB914366	TI914366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TB914396	TI914396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TB914426	TI914426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TB914466	TI914466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TB914506	TI914506	18	110	44	9	7	10	3	10.2
M12	x 1.75	TB914506F4	TI914506F4	18	110	44	9	7	10	4	10.2
M14	x 2	TB914546	TI914546	20	110	44	11	9	12	3	12
M14	x 2	TB914546F4	TI914546F4	20	110	44	11	9	12	4	12
M16	x 2	TB914606	TI914606	20	110	44	12	9	12	3	14
M16	x 2	TB914606F4	TI914606F4	20	110	44	12	9	12	4	14
M18	x 2.5	TB914656	TI914656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TB914706	TI914706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TB914746	TI914746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TB914786	TI914786	30	160	60	18	14.5	17	4	21
M27	x 3	TB914866	TI914866	30	160	60	20	16	19	4	24
M30	x 3.5	TB914946	TI914946	35	180	70	22	18	21	4	26.5

▶ DIN 371(M2~M10) e DIN 376(M11~M30) **DISPONIBILE 4-5 GG. S.I.**

▶ * Profilo DIN non ISO

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

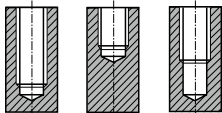
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

- ▶ With recessed threads for machine tapping of deep blind holes.
- ▶ Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

- ▶ Zona posteriore scaricata per filettature di fori ciechi più profondi.
- ▶ Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



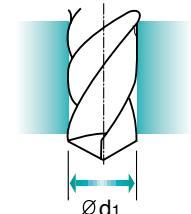
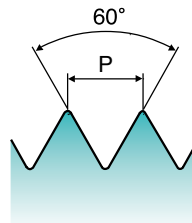
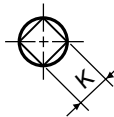
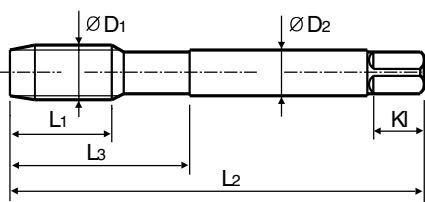
HSS-E

DIN 371/376

6H+0.1

60°

Vap

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TBE16136	8	45	13	2.8	2.1	5	3	1.7
M2.2	x 0.45	TBE16156	8	45	13	2.8	2.1	5	3	1.85
* M2.3	x 0.4	TBE16196	8	45	13	2.8	2.1	5	3	2
M2.5	x 0.45	TBE16176	9	50	15	2.8	2.1	5	3	2.15
* M2.6	x 0.45	TBE16496	9	50	15	2.8	2.1	5	3	2.2
M3	x 0.5	TBE16206	6	56	18	3.5	2.7	6	3	2.6
M3.5	x 0.6	TBE16226	7	56	20	4	3	6	3	3
M4	x 0.7	TBE16246	7	63	21	4.5	3.4	6	3	3.4
M4.5	x 0.75	TBE16266	8	70	25	6	4.9	8	3	3.8
M5	x 0.8	TBE16286	8	70	25	6	4.9	8	3	4.3
M6	x 1	TBE16316	10	80	30	6	4.9	8	3	5.1
M7	x 1	TBE16346	10	80	30	7	5.5	8	3	6.1
M8	x 1.25	TBE16366	13	90	35	8	6.2	9	3	6.9
M9	x 1.25	TBE16396	13	90	35	9	7	10	3	7.9
M10	x 1.5	TBE16426	15	100	39	10	8	11	3	8.6
M11	x 1.5	TBE16466	17	100	40	8	6.2	9	3	9.6
M12	x 1.75	TBE16506	18	110	44	9	7	10	3	10.3
M14	x 2	TBE16546	20	110	44	11	9	12	3	12.1
M16	x 2	TBE16606	20	110	44	12	9	12	3	14.1
M18	x 2.5	TBE16656	25	125	50	14	11	14	4	15.6
M20	x 2.5	TBE16706	25	140	54	16	12	15	4	17.6
M22	x 2.5	TBE16746	25	140	54	18	14.5	17	4	19.6
M24	x 3	TBE16786	30	160	60	18	14.5	17	4	21.1
M27	x 3	TBE16866	30	160	60	20	16	19	4	24.1
M30	x 3.5	TBE16946	35	180	70	22	18	21	4	26.6

- ▶ DIN 371(M2~M10) e DIN 376(M11~M30)
- ▶ * Profilo DIN non ISO

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○					○	○	○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

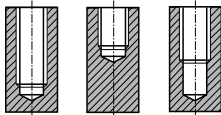
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

- With recessed threads for machine tapping of deep blind holes.
- Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

- Zona posteriore scaricata per filettature di fori ciechi più profondi.
- Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



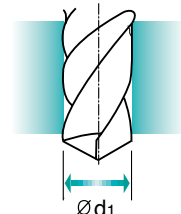
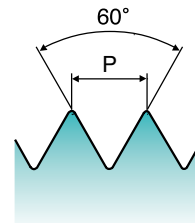
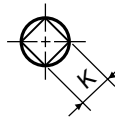
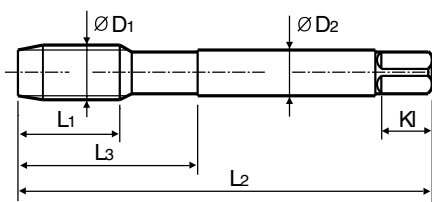
HSS-E

DIN
371/376

6G



Vap

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TBE17136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TBE17156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TBE17196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TBE17176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TBE17496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TBE17206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TBE17226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TBE17246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TBE17266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TBE17286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TBE17316	10	80	30	6	4.9	8	3	5
M7	x 1	TBE17346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TBE17366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TBE17396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TBE17426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TBE17466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TBE17506	18	110	44	9	7	10	3	10.2
M14	x 2	TBE17546	20	110	44	11	9	12	3	12
M16	x 2	TBE17606	20	110	44	12	9	12	3	14
M18	x 2.5	TBE17656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TBE17706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TBE17746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TBE17786	30	160	60	18	14.5	17	4	21
M27	x 3	TBE17866	30	160	60	20	16	19	4	24
M30	x 3.5	TBE17946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎					◎	◎	◎						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
		○												

M ISO Metric coarse threads DIN 13

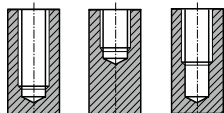
ISO Metrico passo grosso DIN 13

- ▶ With recessed threads for machine tapping of deep blind holes.
- ▶ Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

- ▶ Zona posteriore scaricata per filettature di fori ciechi più profondi.
- ▶ Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

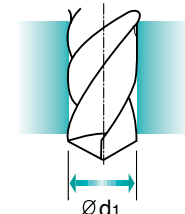
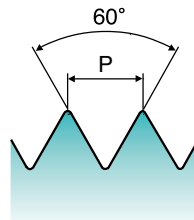
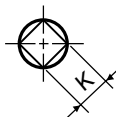
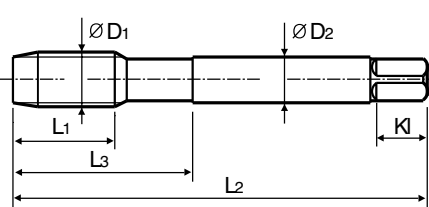
DIN 376



HSS-E

DIN 371/376

7G


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TBE18136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TBE18156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TBE18196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TBE18176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TBE18496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TBE18206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TBE18226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TBE18246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TBE18266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TBE18286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TBE18316	10	80	30	6	4.9	8	3	5
M7	x 1	TBE18346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TBE18366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TBE18396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TBE18426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TBE18466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TBE18506	18	110	44	9	7	10	3	10.2
M14	x 2	TBE18546	20	110	44	11	9	12	3	12
M16	x 2	TBE18606	20	110	44	12	9	12	3	14
M18	x 2.5	TBE18656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TBE18706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TBE18746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TBE18786	30	160	60	18	14.5	17	4	21
M27	x 3	TBE18866	30	160	60	20	16	19	4	24
M30	x 3.5	TBE18946	35	180	70	22	18	21	4	26.5

- ▶ DIN 371(M2~M10) e DIN 376(M11~M30)
- ▶ * Profilo DIN non ISO

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎					◎	◎	◎						◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoisolante	Plastica CFRP
		○												

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHIA A MANO

MASCHI PER TUBI



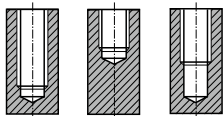
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

- With recessed threads for machine tapping of deep blind holes.
- Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

- Zona posteriore scaricata per filettature di fori ciechi più profondi.
- Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



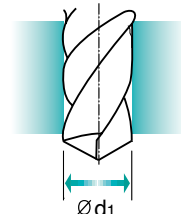
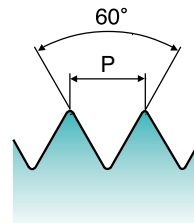
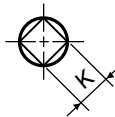
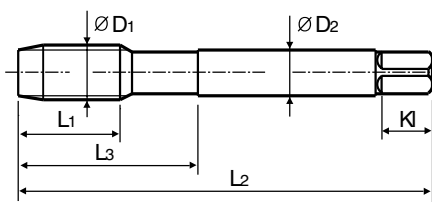
HSS-E

DIN
371/376

6H



Hardslick

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Hardslick	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TCH14136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TCH14156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TCH14196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TCH14176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TCH14496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TCH14206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TCH14226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TCH14246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TCH14266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TCH14286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TCH14316	10	80	30	6	4.9	8	3	5
M7	x 1	TCH14346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TCH14366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TCH14396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TCH14426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TCH14466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TCH14506	18	110	44	9	7	10	3	10.2
M14	x 2	TCH14546	20	110	44	11	9	12	3	12
M16	x 2	TCH14606	20	110	44	12	9	12	3	14
M18	x 2.5	TCH14656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TCH14706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TCH14746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TCH14786	30	160	60	18	14.5	17	4	21
M27	x 3	TCH14866	30	160	60	20	16	19	4	24
M30	x 3.5	TCH14946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎					◎	◎	◎						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

M ISO Metric coarse threads DIN 13

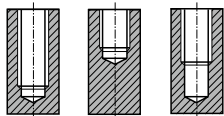
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



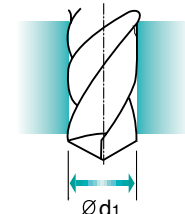
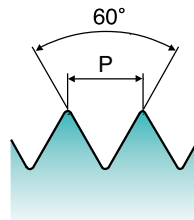
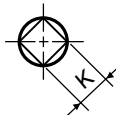
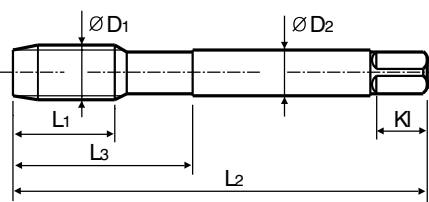
HSS-E

DIN 371/376

6H



Vap


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TB711136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TB711156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TB711196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TB711176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TB711496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TB711206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TB711226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TB711246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TB711266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TB711286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TB711316	10	80	30	6	4.9	8	3	5
M7	x 1	TB711346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TB711366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TB711396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TB711426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TB711466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TB711506	18	110	44	9	7	10	3	10.2
M14	x 2	TB711546	20	110	44	11	9	12	3	12
M16	x 2	TB711606	20	110	44	12	9	12	3	14
M18	x 2.5	TB711656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TB711706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TB711746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TB711786	30	160	60	18	14.5	17	4	21
M27	x 3	TB711866	30	160	60	20	16	19	4	24
M30	x 3.5	TB711946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHI A RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHI A MANO

MASCHI PER TUBI

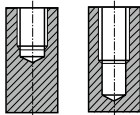
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376

Gruppo Materiali

Ti

HSS-PM

DIN 371/376

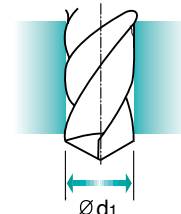
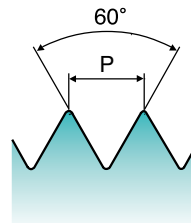
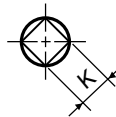
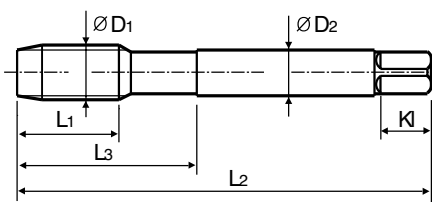
6H

60°

C

Lucido

R25

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TM903136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TM903156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TM903196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TM903176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TM903496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TM903206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TM903226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TM903246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TM903266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TM903286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TM903316	10	80	30	6	4.9	8	3	5
M7	x 1	TM903346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TM903366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TM903396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TM903426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TM903466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TM903506	18	110	44	9	7	10	3	10.2
M14	x 2	TM903546	20	110	44	11	9	12	3	12
M16	x 2	TM903606	20	110	44	12	9	12	3	14
M18	x 2.5	TM903656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TM903706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TM903746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TM903786	30	160	60	18	14.5	17	4	21
M27	x 3	TM903866	30	160	60	20	16	19	4	24
M30	x 3.5	TM903946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○														

M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

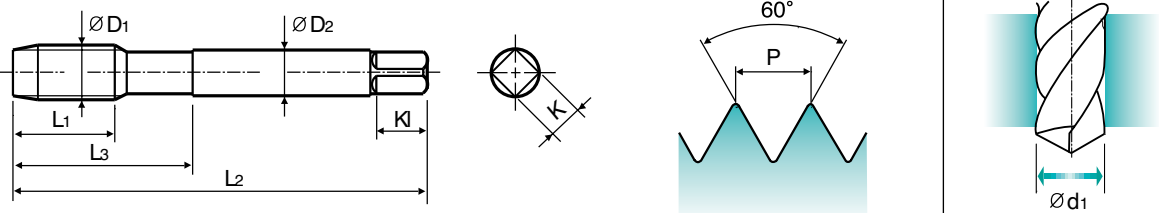
► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione



Gruppo Materiali **Ti** HSS-PM DIN 371/376 6H 60° C TiAIN R25

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiAIN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TZ903136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TZ903156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TZ903196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TZ903176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TZ903496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TZ903206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TZ903226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TZ903246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TZ903266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TZ903286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TZ903316	10	80	30	6	4.9	8	3	5
M7	x 1	TZ903346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TZ903366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TZ903396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TZ903426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TZ903466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TZ903506	18	110	44	9	7	10	3	10.2
M14	x 2	TZ903546	20	110	44	11	9	12	3	12
M16	x 2	TZ903606	20	110	44	12	9	12	3	14
M18	x 2.5	TZ903656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TZ903706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TZ903746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TZ903786	30	160	60	18	14.5	17	4	21
M27	x 3	TZ903866	30	160	60	20	16	19	4	24
M30	x 3.5	TZ903946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. < 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎														

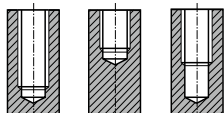
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



Gruppo Materiali

**Ti
Ni**

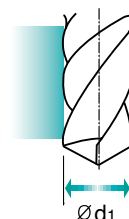
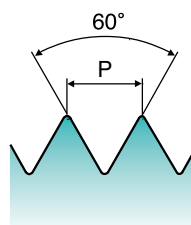
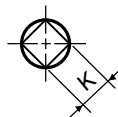
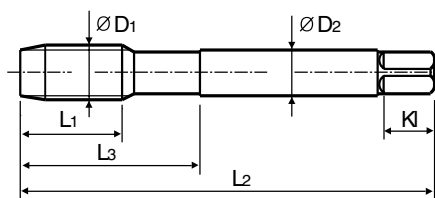
HSS-PM

DIN
371/376

6H



Vap

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2	x 0.4	TQ833136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TQ833156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TQ833176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TQ833206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ833226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TQ833246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ833266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ833286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TQ833316	10	80	30	6	4.9	8	3	5
M7	x 1	TQ833346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TQ833366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TQ833426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TQ833506	18	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				◎	◎								○	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○		○	○											

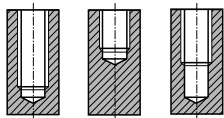
M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



HSS-PM

DIN 371/376

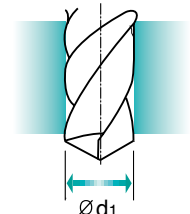
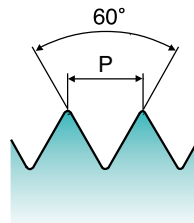
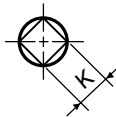
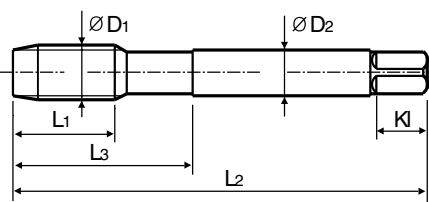
6H



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TR833136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TR833156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TR833176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TR833206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TR833226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TR833246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TR833266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TR833286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TR833316	10	80	30	6	4.9	8	3	5
M7	x 1	TR833346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TR833366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TR833426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TR833506	18	110	44	9	7	10	3	10.2

► DIN 371 (M2~M10) e DIN376 (M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
				◎	◎								○	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎		◎	◎				○							

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHIA RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHIA MANO
- MASCHI PER TUBI

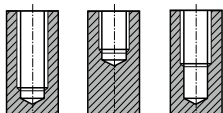
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► For tapping Nickel alloys and heat resistant alloy steels which are used in aerospace and chemical industries.

► Per maschiatura di leghe di Nickel, leghe resistenti al calore utilizzate nelle industrie aerospaziali e chimiche.

Tipo Foro

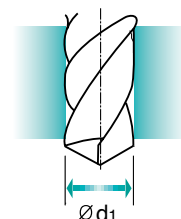
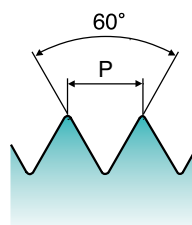
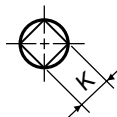
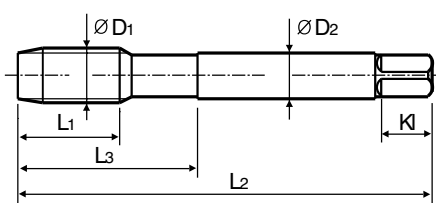
2.5×D



DIN 371

DIN 376

Gruppo Materiali

Ni**HSS-PM****DIN 371/376****6H****Lucido**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TM933136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TM933156	8	45	13	2.8	2.1	5	3	1.75
M2.3	x 0.4	TM933196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TM933176	9	50	15	2.8	2.1	5	3	2.05
M2.6	x 0.45	TM933496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TM933206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TM933226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TM933246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TM933266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TM933286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TM933316	10	80	30	6	4.9	8	3	5
M7	x 1	TM933346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TM933366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TM933396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TM933426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TM933466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TM933506	18	110	44	9	7	10	3	10.2
M14	x 2	TM933546	20	110	44	11	9	12	3	12
M16	x 2	TM933606	20	110	44	12	9	12	3	14
M18	x 2.5	TM933656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TM933706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TM933746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TM933786	30	160	60	18	14.5	17	4	21
M27	x 3	TM933866	30	160	60	20	16	19	4	24
M30	x 3.5	TM933946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				◎	◎									
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○		◎	◎					○						

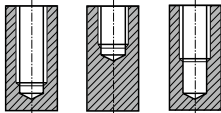
**M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13**

► For tapping Nickel alloys and heat resistant alloy steels which are used in aerospace and chemical industries.

► Per maschiatura di leghe di Nickel, leghe resistenti al calore utilizzate nelle industrie aerospaziali e chimiche.

Tipo Foro

2.5×D

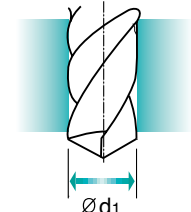
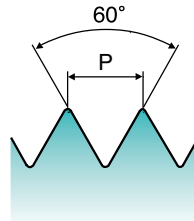
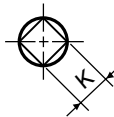
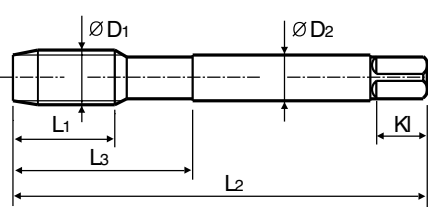


DIN 371

DIN 376



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiAlN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TZ933136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TZ933156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TZ933196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TZ933176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TZ933496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TZ933206	6	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TZ933226	7	56	20	4	3	6	3	2.9
M4	x 0.7	TZ933246	7	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TZ933266	8	70	25	6	4.9	8	3	3.7
M5	x 0.8	TZ933286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TZ933316	10	80	30	6	4.9	8	3	5
M7	x 1	TZ933346	10	80	30	7	5.5	8	3	6
M8	x 1.25	TZ933366	13	90	35	8	6.2	9	3	6.8
M9	x 1.25	TZ933396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TZ933426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TZ933466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TZ933506	18	110	44	9	7	10	3	10.2
M14	x 2	TZ933546	20	110	44	11	9	12	3	12
M16	x 2	TZ933606	20	110	44	12	9	12	3	14
M18	x 2.5	TZ933656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TZ933706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TZ933746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TZ933786	30	160	60	18	14.5	17	4	21
M27	x 3	TZ933866	30	160	60	20	16	19	4	24
M30	x 3.5	TZ933946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



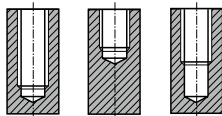
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371



DIN 376

Gruppo Materiali

AI

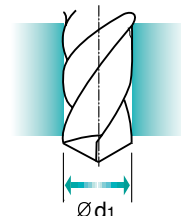
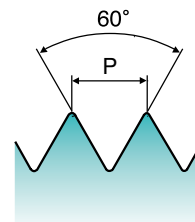
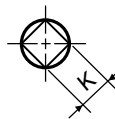
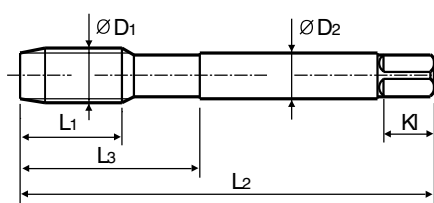
HSS-E

DIN
371/376

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2	x 0.4	TC163136	8	45	13	2.8	2.1	5	2	1.6
M2.2	x 0.45	TC163156	8	45	13	2.8	2.1	5	2	1.75
* M2.3	x 0.4	TC163196	8	45	13	2.8	2.1	5	2	1.9
M2.5	x 0.45	TC163176	9	50	15	2.8	2.1	5	2	2.05
* M2.6	x 0.45	TC163496	9	50	15	2.8	2.1	5	2	2.1
M3	x 0.5	TC163206	6	56	18	3.5	2.7	6	2	2.5
M3.5	x 0.6	TC163226	7	56	20	4	3	6	2	2.9
M4	x 0.7	TC163246	7	63	21	4.5	3.4	6	2	3.3
M4.5	x 0.75	TC163266	8	70	25	6	4.9	8	2	3.7
M5	x 0.8	TC163286	8	70	25	6	4.9	8	2	4.2
M6	x 1	TC163316	10	80	30	6	4.9	8	2	5
M7	x 1	TC163346	10	80	30	7	5.5	8	2	6
M8	x 1.25	TC163366	13	90	35	8	6.2	9	2	6.8
M9	x 1.25	TC163396	13	90	35	9	7	10	2	7.8
M10	x 1.5	TC163426	15	100	39	10	8	11	2	8.5
M11	x 1.5	TC163466	17	100	40	8	6.2	9	2	9.5
M12	x 1.75	TC163506	18	110	44	9	7	10	2	10.2
M14	x 2	TC163546	20	110	44	11	9	12	3	12
M16	x 2	TC163606	20	110	44	12	9	12	3	14
M18	x 2.5	TC163656	25	125	50	14	11	14	3	15.5
M20	x 2.5	TC163706	25	140	54	16	12	15	3	17.5
M22	x 2.5	TC163746	25	140	54	18	14.5	17	3	19.5
M24	x 3	TC163786	30	160	60	18	14.5	17	3	21
M27	x 3	TC163866	30	160	60	20	16	19	3	24
M30	x 3.5	TC163946	35	180	70	22	18	21	3	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○											○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

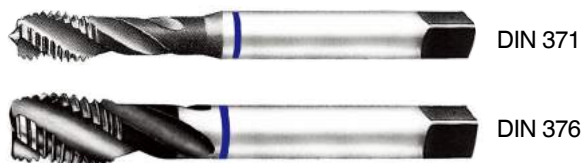
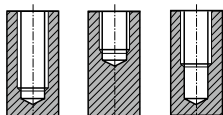
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376

AI Gruppo Materiali

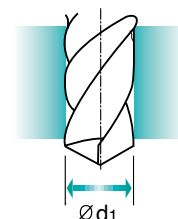
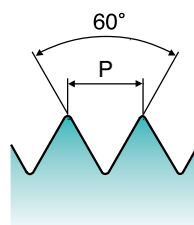
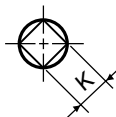
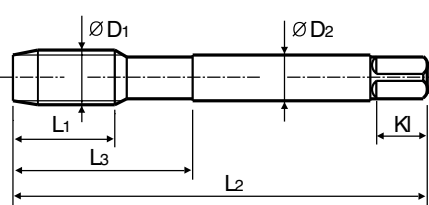
HSS-E

DIN 371/376

6H

60°

NI

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TE953136	8	45	13	2.8	2.1	5	2	1.6
M2.2	x 0.45	TE953156	8	45	13	2.8	2.1	5	2	1.75
* M2.3	x 0.4	TE953196	8	45	13	2.8	2.1	5	2	1.9
M2.5	x 0.45	TE953176	9	50	15	2.8	2.1	5	2	2.05
* M2.6	x 0.45	TE953496	9	50	15	2.8	2.1	5	2	2.1
M3	x 0.5	TE953206	6	56	18	3.5	2.7	6	2	2.5
M3.5	x 0.6	TE953226	7	56	20	4	3	6	2	2.9
M4	x 0.7	TE953246	7	63	21	4.5	3.4	6	2	3.3
M4.5	x 0.75	TE953266	8	70	25	6	4.9	8	2	3.7
M5	x 0.8	TE953286	8	70	25	6	4.9	8	2	4.2
M6	x 1	TE953316	10	80	30	6	4.9	8	2	5
M7	x 1	TE953346	10	80	30	7	5.5	8	2	6
M8	x 1.25	TE953366	13	90	35	8	6.2	9	2	6.8
M9	x 1.25	TE953396	13	90	35	9	7	10	3	7.8
M10	x 1.5	TE953426	15	100	39	10	8	11	3	8.5
M11	x 1.5	TE953466	17	100	40	8	6.2	9	3	9.5
M12	x 1.75	TE953506	18	110	44	9	7	10	3	10.2
M14	x 2	TE953546	20	110	44	11	9	12	3	12
M16	x 2	TE953606	20	110	44	12	9	12	3	14
M18	x 2.5	TE953656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TE953706	25	140	54	16	12	15	4	17.5
M22	x 2.5	TE953746	25	140	54	18	14.5	17	4	19.5
M24	x 3	TE953786	30	160	60	18	14.5	17	4	21
M27	x 3	TE953866	30	160	60	20	16	19	4	24
M30	x 3.5	TE953946	35	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHIA MANO

MASCHI PER TUBI

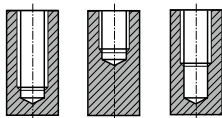
**MF** ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 374



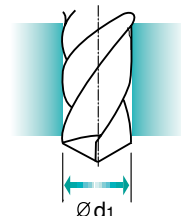
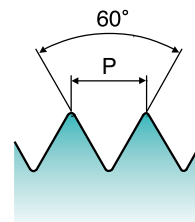
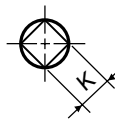
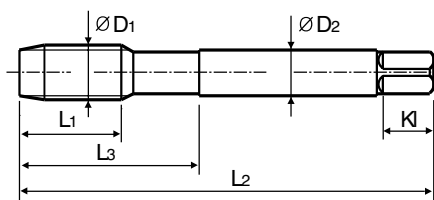
HSS-E

DIN
374

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TC411256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TC411296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TC411326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TC411336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TC411356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1	TC411376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TC411386	8	80	30	6	4.9	8	3	7.2
M8	x 0.5	TC411936	5	80	30	6	4.9	8	3	7.5
M10	x 1.25	TC411436	16	100	40	7	5.5	8	3	8.8
M10	x 1	TC411446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TC411456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TC411516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TC411526	15	100	40	9	7	10	3	10.8
M12	x 1	TC411536	11	100	40	9	7	10	3	11
M14	x 1.5	TC411556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TC411566	15	100	40	11	9	12	3	12.8
M14	x 1	TC411576	11	100	40	11	9	12	3	13
M16	x 1.5	TC411616	15	100	40	12	9	12	3	14.5
M16	x 1	TC411626	12	100	40	12	9	12	3	15
M18	x 1.5	TC411676	17	110	44	14	11	14	4	16.5
M18	x 1	TC411686	13	110	44	14	11	14	4	17

► SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

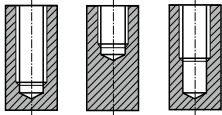
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro
2.5×D



DIN 374

GS
Gruppo Materiali

HSS-E

DIN 374

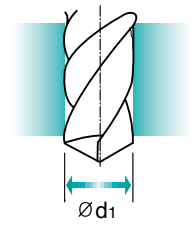
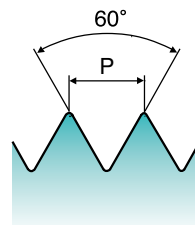
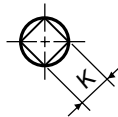
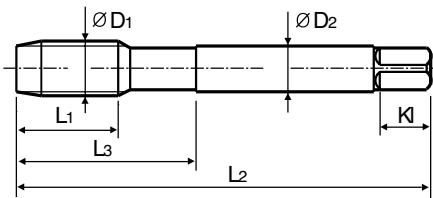
6H



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M20	x 1.5	TC411726	17	125	50	16	12	15	4	18.5
M20	x 1	TC411736	14	125	50	16	12	15	4	19
M22	x 1.5	TC411766	17	125	50	18	14.5	17	4	20.5
M22	x 1	TC411776	14	125	50	18	14.5	17	4	21
M24	x 2	TC411796	20	140	54	18	14.5	17	4	22
M24	x 1.5	TC411806	20	140	54	18	14.5	17	4	22.5
M26	x 1.5	TC411856	20	140	54	18	14.5	17	4	24.5
M27	x 2	TC411876	20	140	54	20	16	19	4	25
M27	x 1.5	TC411886	20	140	54	20	16	19	4	25.5
M28	x 1.5	TC411916	20	140	54	20	16	19	4	26.5
M30	x 2	TC411966	22	150	57	22	18	21	4	28
M30	x 1.5	TC411976	22	150	57	22	18	21	4	28.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○								○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○		○	○	○	○	○	○	○	○	○

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

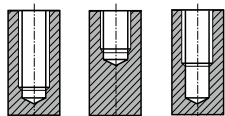
**MF** ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 374



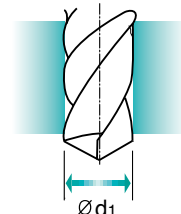
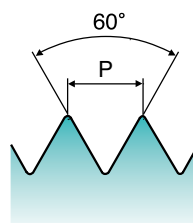
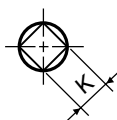
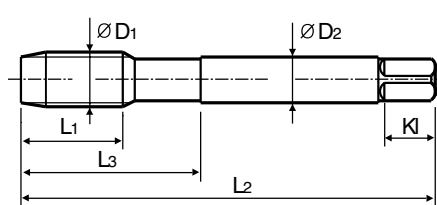
HSS-E

DIN
374

6H



TiN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TD411256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TD411296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TD411326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TD411336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TD411356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1	TD411376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TD411386	8	80	30	6	4.9	8	3	7.2
M8	x 0.5	TD411936	5	80	30	6	4.9	8	3	7.5
M10	x 1.25	TD411436	16	100	40	7	5.5	8	3	8.8
M10	x 1	TD411446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TD411456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TD411516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TD411526	15	100	40	9	7	10	3	10.8
M12	x 1	TD411536	11	100	40	9	7	10	3	11
M14	x 1.5	TD411556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TD411566	15	100	40	11	9	12	3	12.8
M14	x 1	TD411576	11	100	40	11	9	12	3	13
M16	x 1.5	TD411616	15	100	40	12	9	12	3	14.5

► SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

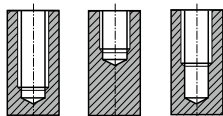
MF ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

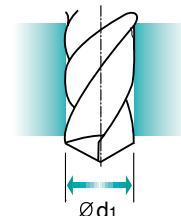
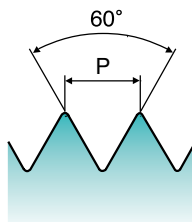
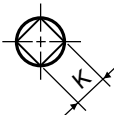
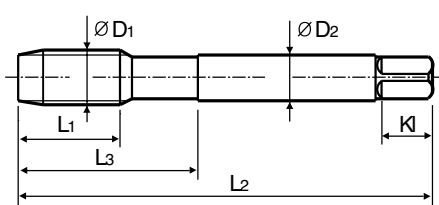
2.5×D



DIN 374


HSS-E
DIN 374
6H

TiN

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M16	x 1	TD411626	12	100	40	12	9	12	3	15
M18	x 1.5	TD411676	17	110	44	14	11	14	4	16.5
M18	x 1	TD411686	13	110	44	14	11	14	4	17
M20	x 1.5	TD411726	17	125	50	16	12	15	4	18.5
M20	x 1	TD411736	14	125	50	16	12	15	4	19
M22	x 1.5	TD411766	17	125	50	18	14.5	17	4	20.5
M22	x 1	TD411776	14	125	50	18	14.5	17	4	21
M24	x 2	TD411796	20	140	54	18	14.5	17	4	22
M24	x 1.5	TD411806	20	140	54	18	14.5	17	4	22.5
M26	x 1.5	TD411856	20	140	54	18	14.5	17	4	24.5
M27	x 2	TD411876	20	140	54	20	16	19	4	25
M27	x 1.5	TD411886	20	140	54	20	16	19	4	25.5
M28	x 1.5	TD411916	20	140	54	20	16	19	4	26.5
M30	x 2	TD411966	22	150	57	22	18	21	4	28
M30	x 1.5	TD411976	22	150	57	22	18	21	4	28.5

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○									◎	◎	○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○			○		◎		○	○	○	◎	○		

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHI A RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHI A MANO

MASCHI PER TUBI

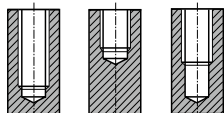
**MF** ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 374



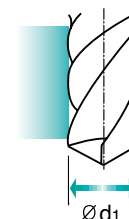
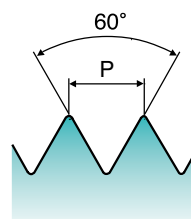
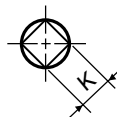
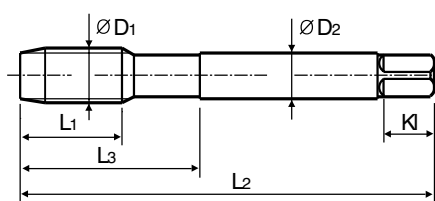
HSS-E

DIN
374

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M4	x 0.5	TC413256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TC413296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TC413326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TC413336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TC413356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1	TC413376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TC413386	8	80	30	6	4.9	8	3	7.2
M10	x 1.25	TC413436	16	100	40	7	5.5	8	3	8.8
M10	x 1	TC413446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TC413456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TC413516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TC413526	15	100	40	9	7	10	3	10.8
M12	x 1	TC413536	11	100	40	9	7	10	3	11
M14	x 1.5	TC413556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TC413566	15	100	40	11	9	12	3	12.8
M16	x 1.5	TC413616	15	100	40	12	9	12	3	14.5
M18	x 1.5	TC413676	17	110	44	14	11	14	4	16.5
M20	x 1.5	TC413726	17	125	50	16	12	15	4	18.5
M22	x 1.5	TC413766	17	125	50	18	14.5	17	4	20.5
M24	x 1.5	TC413806	20	140	54	18	14.5	17	4	22.5

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

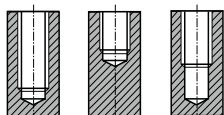
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
			○											

MF ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro
2.5×D



DIN 374



HSS-E

DIN 374

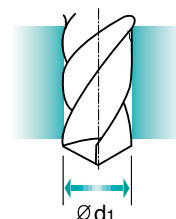
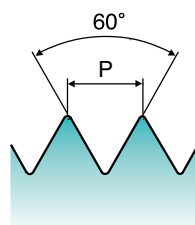
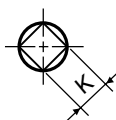
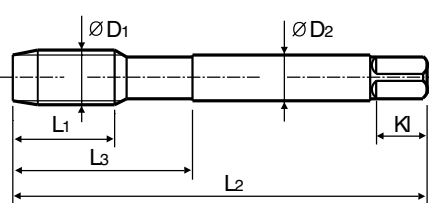
6H



TiN



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TD413256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TD413296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TD413326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TD413336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TD413356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1	TD413376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TD413386	8	80	30	6	4.9	8	3	7.2
M10	x 1.25	TD413436	16	100	40	7	5.5	8	3	8.8
M10	x 1	TD413446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TD413456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TD413516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TD413526	15	100	40	9	7	10	3	10.8
M12	x 1	TD413536	11	100	40	9	7	10	3	11
M14	x 1.5	TD413556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TD413566	15	100	40	11	9	12	3	12.8
M16	x 1.5	TD413616	15	100	40	12	9	12	3	14.5
M18	x 1.5	TD413676	17	110	44	14	11	14	4	16.5
M20	x 1.5	TD413726	17	125	50	16	12	15	4	18.5
M22	x 1.5	TD413766	17	125	50	18	14.5	17	4	20.5
M24	x 1.5	TD413806	20	140	54	18	14.5	17	4	22.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
			○	◎				○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○										



MF

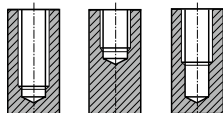
ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 374

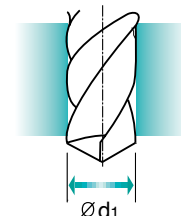
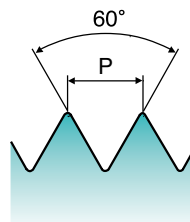
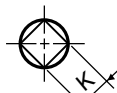
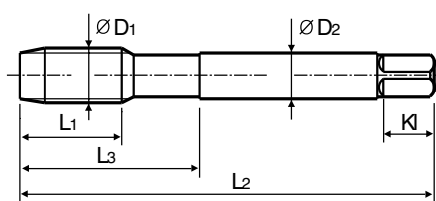

HSS-E
DIN 374
6H

60°



Vap

R40

 Machine taps
 Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M4	x 0.5	TB183256	5	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TB183296	5	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TB183326	8	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TB183336	5	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TB183356	10	80	30	5.5	4.3	7	3	6.2
M8	x 1	TB183376	10	90	36	6	4.9	8	3	7
M8	x 0.75	TB183386	8	80	30	6	4.9	8	3	7.2
M10	x 1.25	TB183436	16	100	40	7	5.5	8	3	8.8
M10	x 1	TB183446	10	90	36	7	5.5	8	3	9
M10	x 0.75	TB183456	10	90	36	7	5.5	8	3	9.2
M12	x 1.5	TB183516	15	100	40	9	7	10	3	10.5
M12	x 1.25	TB183526	15	100	40	9	7	10	3	10.8
M12	x 1	TB183536	11	100	40	9	7	10	3	11
M14	x 1.5	TB183556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TB183566	15	100	40	11	9	12	3	12.8
M16	x 1.5	TB183616	15	100	40	12	9	12	3	14.5
M18	x 1.5	TB183676	17	110	44	14	11	14	4	16.5
M20	x 1.5	TB183726	17	125	50	16	12	15	4	18.5
M22	x 1.5	TB183766	17	125	50	18	14.5	17	4	20.5
M24	x 1.5	TB183806	20	140	54	18	14.5	17	4	22.5

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○					○	○	○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

MF

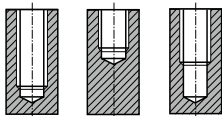
ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 374



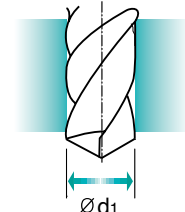
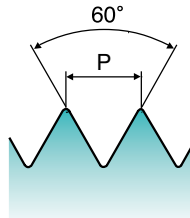
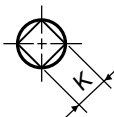
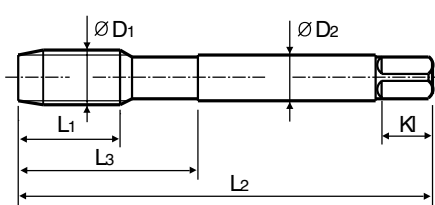
HSS-E

DIN 374

6H



Lucido


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M4	x 0.5	TC963256	5	63	21	2.8	2.1	5	2	3.5
M5	x 0.5	TC963296	5	70	25	3.5	2.7	6	2	4.5
M6	x 0.75	TC963326	8	80	30	4.5	3.4	6	2	5.2
M6	x 0.5	TC963336	5	80	30	4.5	3.4	6	2	5.5
M7	x 0.75	TC963356	10	80	30	5.5	4.3	7	2	6.2
M8	x 1	TC963376	10	90	36	6	4.9	8	2	7
M8	x 0.75	TC963386	8	80	30	6	4.9	8	2	7.2
M10	x 1.25	TC963436	16	100	40	7	5.5	8	2	8.8
M10	x 1	TC963446	10	90	36	7	5.5	8	2	9
M10	x 0.75	TC963456	10	90	36	7	5.5	8	2	9.2
M12	x 1.5	TC963516	15	100	40	9	7	10	2	10.5
M12	x 1.25	TC963526	15	100	40	9	7	10	2	10.8
M12	x 1	TC963536	11	100	40	9	7	10	2	11
M14	x 1.5	TC963556	15	100	40	11	9	12	3	12.5
M14	x 1.25	TC963566	15	100	40	11	9	12	3	12.8
M16	x 1.5	TC963616	15	100	40	12	9	12	3	14.5
M18	x 1.5	TC963676	17	110	44	14	11	14	3	16.5
M20	x 1.5	TC963726	17	125	50	16	12	15	3	18.5
M22	x 1.5	TC963766	17	125	50	18	14.5	17	3	20.5
M24	x 1.5	TC963806	20	140	54	18	14.5	17	3	22.5

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○											○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
				○				○	○	○				

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHI A RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHI A MANO

MASCHI PER TUBI



UNC

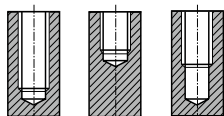
 Unified coarse threads
Unificato passo grosso

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376



HSS-E

DIN
371/376

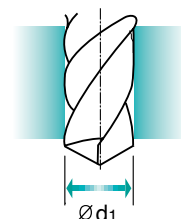
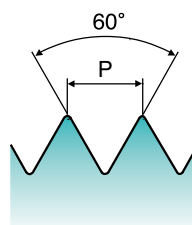
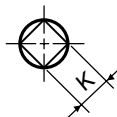
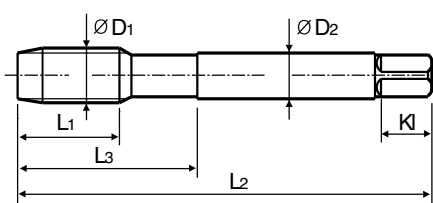
2B

60°

C

Lucido

R40

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TC144162	6	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TC144202	7	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TC144242	7	56	20	4	3	6	3	2.85
#8	- 32 UNC	TC144282	8	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TC144322	10	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TC144362	10	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TC144402	13	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TC144442	14	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TC144482	16	100	39	9	7	10	3	8
7/16	- 14 UNC	TC144522	17	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TC144562	20	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TC144602	20	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TC144642	22	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TC144702	25	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TC144742	27	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TC144782	30	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TC144822	35	180	65	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

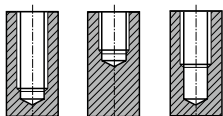
UNC Unified coarse threads
Unificato passo grosso

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5xD



DIN 371

DIN 376



HSS-E

DIN 371/376

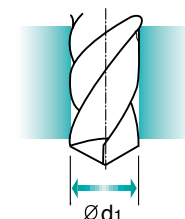
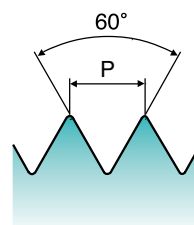
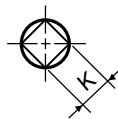
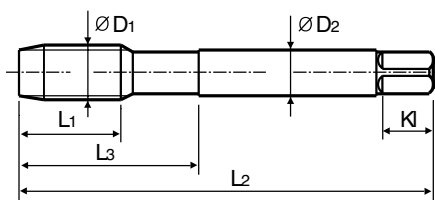
2B



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TC174162	6	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TC174202	7	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TC174242	7	56	20	4	3	6	3	2.85
#8	- 32 UNC	TC174282	8	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TC174322	10	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TC174362	10	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TC174402	13	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TC174442	14	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TC174482	16	100	39	9	7	10	3	8
7/16	- 14 UNC	TC174522	17	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TC174562	20	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TC174602	20	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TC174642	22	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TC174702	25	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TC174742	27	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TC174782	30	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TC174822	35	180	65	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
			○	◎				○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												



UNC

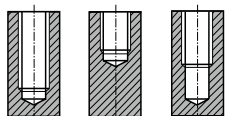
 Unified coarse threads
Unificato passo grosso

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371

DIN 376

Gruppo Materiali

VG

HSS-E

DIN
371/376

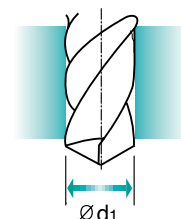
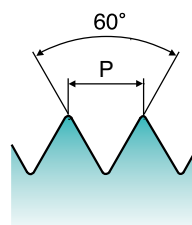
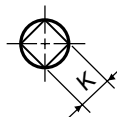
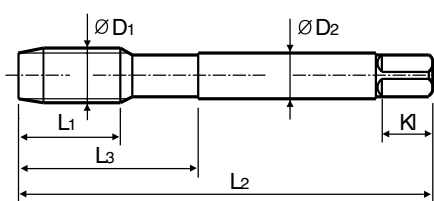
2B

60°

C

TiN

R40

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TD174162	6	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TD174202	7	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TD174242	7	56	20	4	3	6	3	2.85
#8	- 32 UNC	TD174282	8	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TD174322	10	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TD174362	10	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TD174402	13	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TD174442	14	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TD174482	16	100	39	9	7	10	3	8
7/16	- 14 UNC	TD174522	17	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TD174562	20	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TD174602	20	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TD174642	22	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TD174702	25	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TD174742	27	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TD174782	30	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TD174822	35	180	65	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

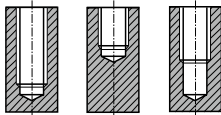
UNC Unified coarse threads
Unificato passo grosso

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5xD



DIN 371

DIN 376



HSS-E

DIN 371/376

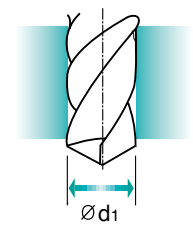
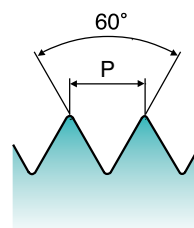
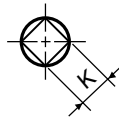
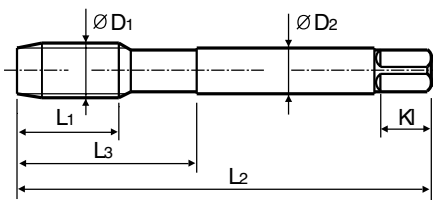
2B



Vap



Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TB904162	6	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TB904202	7	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TB904242	7	56	20	4	3	6	3	2.85
#8	- 32 UNC	TB904282	8	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TB904322	10	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TB904362	10	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TB904402	13	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TB904442	14	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TB904482	16	100	39	9	7	10	3	8
7/16	- 14 UNC	TB904522	17	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TB904562	20	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TB904602	20	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TB904642	22	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TB904702	25	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TB904742	27	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TB904782	30	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TB904822	35	180	65	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○					○	○	○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI



UNC

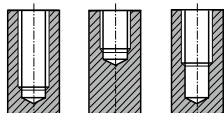
 Unified coarse threads
Unificato passo grosso

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371



DIN 376

Gruppo Materiali

AI

HSS-E

DIN 371/376

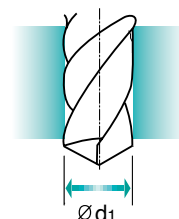
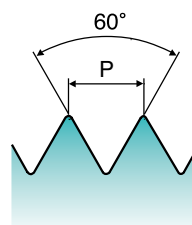
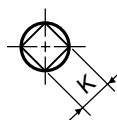
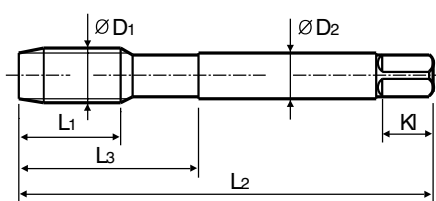
2B

60°

C

Lucido

R45

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TC169162	6	56	18	3.5	2.7	6	2	2.3
#5	- 40 UNC	TC169202	7	56	18	3.5	2.7	6	2	2.6
#6	- 32 UNC	TC169242	7	56	20	4	3	6	2	2.85
#8	- 32 UNC	TC169282	8	63	21	4.5	3.4	6	2	3.5
#10	- 24 UNC	TC169322	10	70	25	6	4.9	8	2	3.9
#12	- 24 UNC	TC169362	10	80	30	6	4.9	8	2	4.5
1/4	- 20 UNC	TC169402	13	80	30	7	5.5	8	2	5.2
5/16	- 18 UNC	TC169442	14	90	35	8	6.2	9	2	6.6
3/8	- 16 UNC	TC169482	16	100	39	9	7	10	2	8
7/16	- 14 UNC	TC169522	17	100	40	8	6.2	9	2	9.4
1/2	- 13 UNC	TC169562	20	110	44	9	7	10	2	10.75
9/16	- 12 UNC	TC169602	20	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TC169642	22	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TC169702	25	125	50	14	11	14	3	16.5
7/8	- 9 UNC	TC169742	27	140	54	18	14.5	17	3	19.5
1	- 8 UNC	TC169782	30	160	60	20	16	19	3	22.25
1-1/8	- 7 UNC	TC169822	35	180	65	22	18	21	3	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

Unità : N/mm²

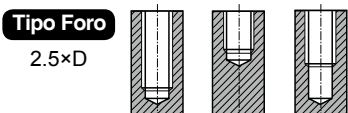
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○											○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

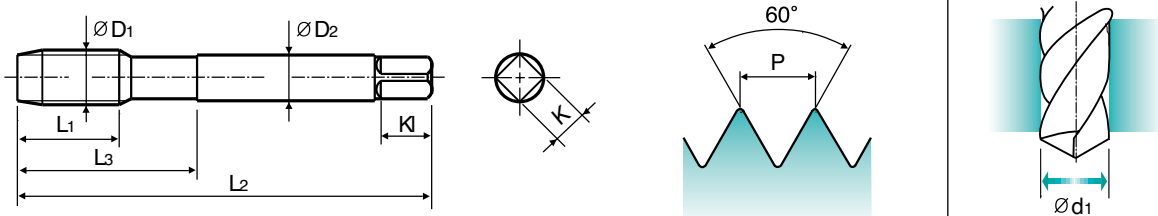
UNF Unified fine threads
Unificato passo fine

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione



Gruppo Materiali **GS** **HSS-E** **DIN 371/374** **2B** **60°** **C** **Lucido** **R40** **Machine taps** **Maschi a macchina**



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TC124182	6	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TC124222	7	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TC124262	7	56	20	4	3	6	3	3
#8	- 36 UNF	TC124302	8	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TC124342	10	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TC124382	10	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TC124422	10	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TC124462	10	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TC124502	10	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TC124542	13	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TC124582	13	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TC124622	15	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TC124662	15	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TC124722	17	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TC124762	17	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TC124802	20	140	54	20	16	17	4	23.25
1-1/8	- 12 UNF	TC124842	22	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○									◎	◎	○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	◎	○	○	○	○	◎	○	○	○



UNF

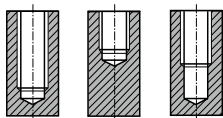
 Unified fine threads
Unificato passo fine

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371



DIN 374

Gruppo Materiali

VG

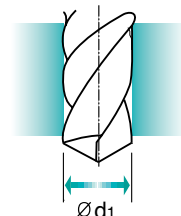
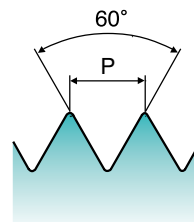
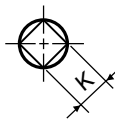
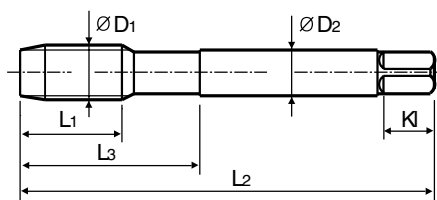
HSS-E

DIN
371/374

2B



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TC184182	6	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TC184222	7	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TC184262	7	56	20	4	3	6	3	3
#8	- 36 UNF	TC184302	8	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TC184342	10	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TC184382	10	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TC184422	10	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TC184462	10	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TC184502	10	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TC184542	13	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TC184582	13	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TC184622	15	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TC184662	15	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TC184722	17	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TC184762	17	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TC184802	20	140	54	20	16	17	4	23.25
1-1/8	- 12 UNF	TC184842	22	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

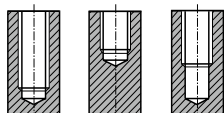
UNF Unified fine threads
Unificato passo fine

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



HSS-E

DIN 371/374

2B

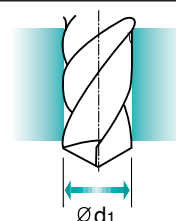
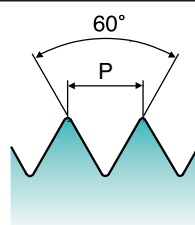
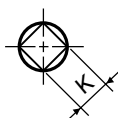
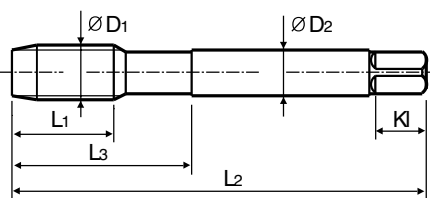
60°

C

Vap

R40

Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TB924182	6	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TB924222	7	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TB924262	7	56	20	4	3	6	3	3
#8	- 36 UNF	TB924302	8	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TB924342	10	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TB924382	10	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TB924422	10	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TB924462	10	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TB924502	10	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TB924542	13	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TB924582	13	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TB924622	15	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TB924662	15	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TB924722	17	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TB924762	17	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TB924802	20	140	54	20	16	17	4	23.25
1-1/8	- 12 UNF	TB924842	22	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○					○	○	○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												



UNF

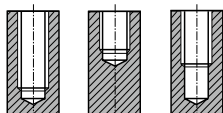
 Unified fine threads
Unificato passo fine

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



DIN 371



DIN 374

Gruppo Materiali

AI

HSS-E

DIN 371/374

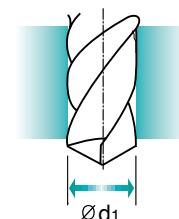
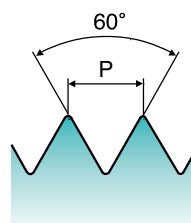
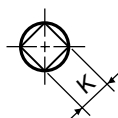
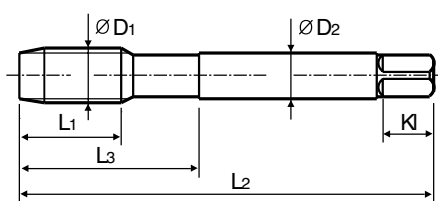
2B

60°

C

Lucido

R45

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	K1	Z	Ød1
#4	- 48 UNF	TC170182	6	56	18	3.5	2.7	6	2	2.4
#5	- 44 UNF	TC170222	7	56	18	3.5	2.7	6	2	2.7
#6	- 40 UNF	TC170262	7	56	20	4	3	6	2	3
#8	- 36 UNF	TC170302	8	63	21	4.5	3.4	6	2	3.5
#10	- 32 UNF	TC170342	10	70	25	6	4.9	8	2	4.1
#12	- 28 UNF	TC170382	10	80	30	6	4.9	8	2	4.7
1/4	- 28 UNF	TC170422	10	80	30	7	5.5	8	2	5.5
5/16	- 24 UNF	TC170462	10	90	35	8	6.2	9	2	6.9
3/8	- 24 UNF	TC170502	10	100	39	9	7	10	2	8.5
7/16	- 20 UNF	TC170542	13	100	40	8	6.2	9	2	9.9
1/2	- 20 UNF	TC170582	13	100	40	9	7	10	2	11.5
9/16	- 18 UNF	TC170622	15	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TC170662	15	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TC170722	17	110	44	14	11	14	3	17.5
7/8	- 14 UNF	TC170762	17	125	50	18	14.5	17	3	20.5
1	- 12 UNF	TC170802	20	140	54	20	16	17	3	23.25
1-1/8	- 12 UNF	TC170842	22	150	60	22	18	21	3	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○											○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

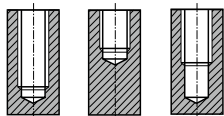
BSW Whitworth threads
Filettatura Whitworth

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

2.5×D



HSS-E

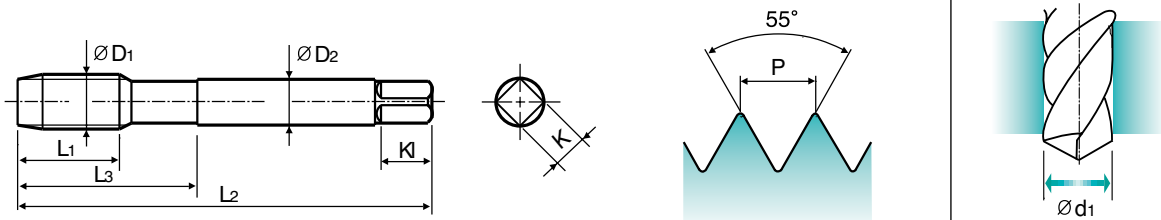
DIN 2182/2183



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
W1/8	x 40	TC134200	7	56	18	3.5	2.7	6	3	2.5
W5/32	x 32	TC134280	7	63	21	4.5	3.4	6	3	3.1
W3/16	x 24	TC134320	10	70	25	6	4.9	8	3	3.6
W7/32	x 24	TC134360	10	80	30	6	4.9	8	3	4.4
W1/4	x 20	TC134400	13	80	30	7	5.5	8	3	5.1
W5/16	x 18	TC134440	14	90	35	8	6.2	9	3	6.5
W3/8	x 16	TC134480	16	100	39	9	7	10	3	7.9
W7/16	x 14	TC134520	17	100	40	8	6.2	9	3	9.3
W1/2	x 12	TC134560	20	110	44	9	7	10	3	10.5
W9/16	x 12	TC134600	20	110	44	11	9	12	3	12
W5/8	x 11	TC134640	22	110	40	12	9	12	3	13.5
W3/4	x 10	TC134700	25	125	50	14	11	14	4	16.5
W7/8	x 9	TC134740	27	140	54	18	14.5	17	4	19.25
W1	x 8	TC134780	30	160	60	20	16	19	4	22
W1-1/8	x 7	TC134820	35	180	65	22	18	21	4	24.75

► DIN 2182(W1/8~W3/8) e DIN 2183(W7/16~W1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



HSS



Migliorare attraverso l'innovazione



MASCHI FORI PASSANTI

- Tapping Through Holes, HSS-E & HSS-PM

- Maschi fori passanti, HSS - E & HSS - PM

GUIDA ALLA SELEZIONE




















MASCHI FORI PASSANTI
HSS-E & HSS-PM

MASCHI FORI PASSANTI

◆ SYNCHRO TYPE

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamenti superficiali	PAG.
◆ TTS33		HSS-PM	M	GS	DIN 371/376	6HX	B	3.0D	TiN	488
TC122		HSS-E	M	GS	DIN 352	ISO 2/6H	B	3.0D	Lucido	489
TC211		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	3.0D	Lucido	490
TC127		HSS-E	M	GS	DIN 371	ISO 2/6H	B	3.0D	Lucido	491
TC227		HSS-E	M	GS	DIN 376	ISO 2/6H	B	3.0D	Lucido	492
TD127		HSS-E	M	GS	DIN 371	ISO 2/6H	B	3.0D	TiN	493
TD227		HSS-E	M	GS	DIN 376	ISO 2/6H	B	3.0D	TiN	494
TQ863		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	Vap	495
TR863		HSS-PM	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	496
TC422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	497
TE422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	NI	498
TD422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	TiN	499
TY422		HSS-E	M	VG	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	500
TQ853		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	B	3.0D	Vap	501
TR853		HSS-PM	M	VA	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	502
TC283		HSS-E	M	HR	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	503
TY283		HSS-E	M	HR	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	504
TB623		HSS-E	M	VA NW	DIN 371/376	6HX	B	3.0D	Vap	505
TCH23		HSS-E	M	VA NW	DIN 371/376	6HX	B	3.0D	Hardslick	506
TM293		HSS-PM	M-Az	Ti	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	507
TZ293		HSS-PM	M-Az	Ti	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	508

MASCHI FORI PASSANTI

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamenti superficiali	PAG.
TQ873		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	B	3.0D	Vap	509
TR873		HSS-PM	M	Ti Ni	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	510
TM923		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	511
TZ923		HSS-PM	M	Ni	DIN 371/376	ISO 2/6H	B	3.0D	TiAlN	512
TE943		HSS-E	M	Al	DIN 371/376	ISO 2/6H	B	3.0D	NI	513
TC622		HSS-E	M-Az	Al	DIN 371/376	ISO 2/6H	B	3.0D	Lucido	514
TC222		HSS-E	MF	GS	DIN 374	ISO 2/6H	B	3.0D	Lucido	515
TD222		HSS-E	MF	GS	DIN 374	ISO 2/6H	B	3.0D	TiN	517
TC263		HSS-E	MF	VG	DIN 374	ISO 2/6H	B	3.0D	Lucido	519
TD263		HSS-E	MF	VG	DIN 374	ISO 2/6H	B	3.0D	TiN	520
TB123		HSS-E	MF	VA NW	DIN 374	6HX	B	3.0D	Vap	521
TC214		HSS-E	UNC	GS	DIN 371/376	2B	B	3.0D	Lucido	522
TC244		HSS-E	UNC	VG	DIN 371/376	2B	B	3.0D	Lucido	523
TD244		HSS-E	UNC	VG	DIN 371/376	2B	B	3.0D	TiN	524
TB264		HSS-E	UNC	VA NW	DIN 371/376	2B	B	3.0D	Vap	525
TC234		HSS-E	UNF	GS	DIN 371/374	2B	B	3.0D	Lucido	526
TC254		HSS-E	UNF	VG	DIN 371/374	2B	B	3.0D	Lucido	527
TB274		HSS-E	UNF	VA NW	DIN 371/374	2B	B	3.0D	Vap	528
TC224		HSS-E	BSW	GS	DIN 2182/2183	-	B	3.0D	Lucido	529



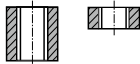
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► Suitable for high speed machining and high precision threads

► Adatto a lavorazioni in alta velocità e filettature ad elevata precisione

Tipo Foro

3.0×D



DIN 371/376

**Synchro
Type**

Possibilità di incrementare di 2 o 3 volte le velocità di taglio normalmente consigliate per il gruppo GS

Gruppo Materiali
GS

HSS-PM

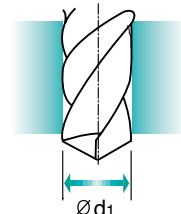
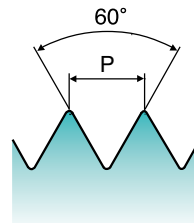
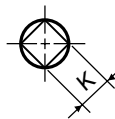
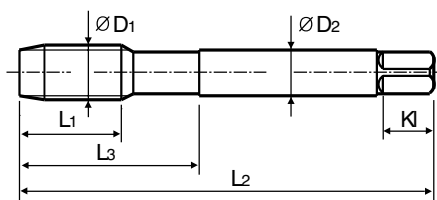
DIN 371/376

6HX



TiN

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD ₁	P	TiN	L ₁	L ₂	L ₃	ØD ₂	K	K ₁	Z	Ød ₁
M3	x 0.5	TTS33206	5	56	18	3.5	2.7	6	3	2.5
M4	x 0.7	TTS33246	7	63	21	4.5	3.4	6	3	3.3
M5	x 0.8	TTS33286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TTS33316	10	80	30	6	4.9	8	3	5
M8	x 1.25	TTS33366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TTS33426	15	100	39	10	8	11	3	8.5
M12	x 1.75	TTS33506	18	110	44	9	7	10	4	10.2
M14	x 2	TTS33546	20	110	44	11	9	12	4	12
M16	x 2	TTS33606	20	110	44	12	9	12	4	14
M18	x 2.5	TTS33656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TTS33706	25	140	54	16	12	15	4	17.5

► DIN371 (M3~M10) e DIN376 (M11~M20)

Unità : N/mm²

⊙ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○						○		○			
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
				○		○				○	○	○		

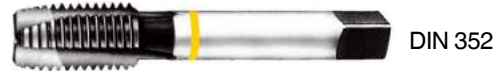
M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

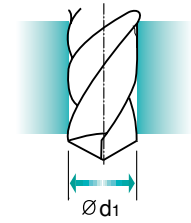
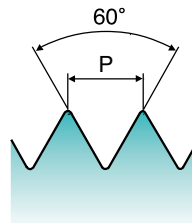
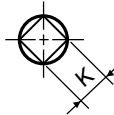
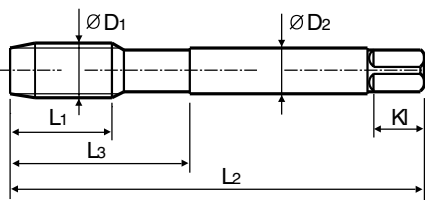
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0×D



Gruppo Materiali **GS** **HSS-E** **DIN 352** **6H** **60°** **B** **Lucido**

Short machine taps
Maschi a macchina corto



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC122136	8	36	13	2.8	2.1	5	3	1.6
M2.5	x 0.45	TC122176	9	40	15	2.8	2.1	5	3	2.05
M3	x 0.5	TC122206	11	40	18	3.5	2.7	6	3	2.5
M4	x 0.7	TC122246	13	45	21	4.5	3.4	6	3	3.3
M5	x 0.8	TC122286	16	52	26	6	4.9	8	3	4.2
M6	x 1	TC122316	18	56	27	6	4.9	8	3	5
M8	x 1.25	TC122366	20	63	34	6	4.9	8	3	6.8
M10	x 1.5	TC122426	22	70	38	7	5.5	8	3	8.5
M12	x 1.75	TC122506	24	80	45	9	7	10	3	10.2
M14	x 2	TC122546	26	80	45	11	9	12	3	12
M16	x 2	TC122606	27	80	45	12	9	12	3	14

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○									◎	◎	○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○			○		◎		○	○	○	◎	○		

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHIA RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHIA MANO
- MASCHI PER TUBI

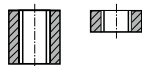
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Left spiral flute and right hand thread tap to push chips ahead in powerful than spiral point taps.

► Elica sinistra e taglio destro per spingere il truciolo in avanti più efficacemente rispetto ai normali maschi per foro passante.

Tipo Foro

3.0×D



DIN 371



DIN 376



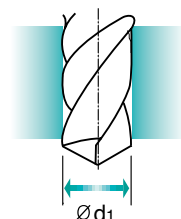
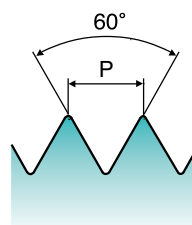
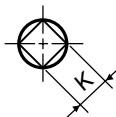
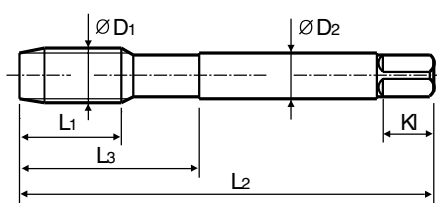
HSS-E

DIN
371/376

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N° Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC211136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC211156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC211196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC211176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC211496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC211206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC211226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TC211246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC211266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC211286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TC211316	17	80	30	6	4.9	8	3	5
M7	x 1	TC211346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TC211366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC211396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TC211426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TC211466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC211506	24	110	44	9	7	10	3	10.2
M14	x 2	TC211546	26	110	44	11	9	12	3	12
M16	x 2	TC211606	27	110	44	12	9	12	3	14
M18	x 2.5	TC211656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TC211706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TC211746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TC211786	34	160	60	18	14.5	17	4	21
M27	x 3	TC211866	36	160	60	20	16	19	4	24
M30	x 3.5	TC211946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

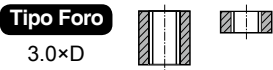
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

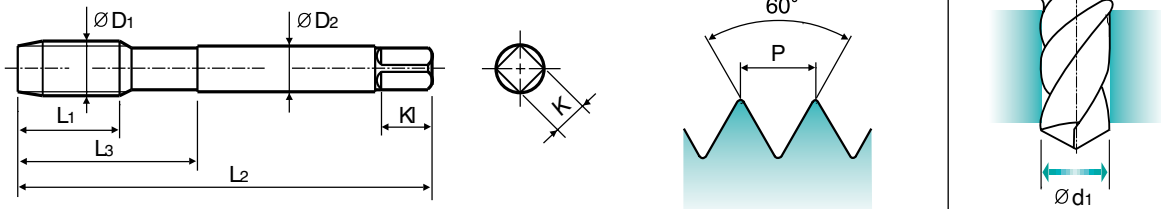
M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.



GS HSS-E DIN 371 6H 60° B Lucido Machine taps Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC127136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC127156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC127196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC127176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC127496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC127206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC127226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TC127246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC127266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC127286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TC127316	17	80	30	6	4.9	8	3	5
M7	x 1	TC127346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TC127366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC127396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TC127426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TC127466	22	100	39	11	9	12	3	9.5
M12	x 1.75	TC127506	24	110	44	12	9	12	3	10.2

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○									○	○	○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○			○		○		○	○	○	○	○		

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

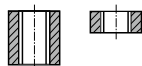
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 376



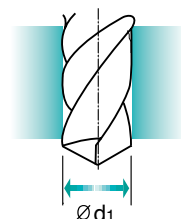
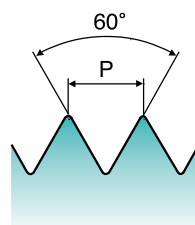
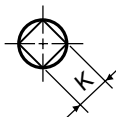
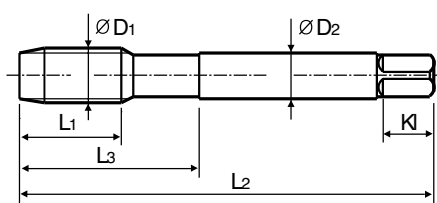
HSS-E

DIN 376

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3	x 0.5	TC227206	11	56	18	2.2	1.8	5	3	2.5
M3.5	x 0.6	TC227226	12	56	20	2.5	2.1	5	3	2.9
M4	x 0.7	TC227246	13	63	21	2.8	2.1	5	3	3.3
M4.5	x 0.75	TC227266	14	70	25	3.5	2.7	6	3	3.7
M5	x 0.8	TC227286	15	70	25	3.5	2.7	6	3	4.2
M6	x 1	TC227316	17	80	30	4.5	3.4	6	3	5
M7	x 1	TC227346	17	80	30	5.5	4.3	7	3	6
M8	x 1.25	TC227366	20	90	36	6	4.9	8	3	6.8
M9	x 1.25	TC227396	20	90	36	7	5.5	8	3	7.8
M10	x 1.5	TC227426	22	100	40	7	5.5	8	3	8.5
M11	x 1.5	TC227466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC227506	24	110	44	9	7	10	3	10.2
M14	x 2	TC227546	26	110	44	11	9	12	3	12
M16	x 2	TC227606	27	110	44	12	9	12	3	14
M18	x 2.5	TC227656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TC227706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TC227746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TC227786	34	160	60	18	14.5	17	4	21
M27	x 3	TC227866	36	160	60	20	16	19	4	24
M30	x 3.5	TC227946	40	180	70	22	18	21	4	26.5

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

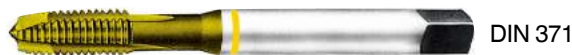
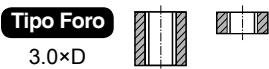
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

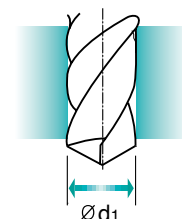
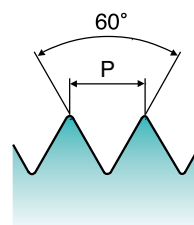
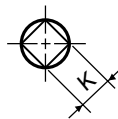
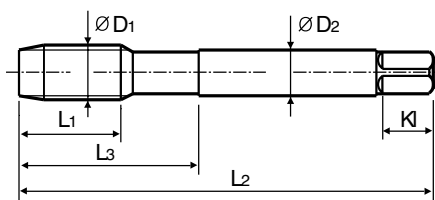
► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.



GS **HSS-E** **DIN 371** **6H** **60°** **B** **TiN**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TD127136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TD127156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TD127196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TD127176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TD127496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TD127206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TD127226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TD127246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TD127266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TD127286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TD127316	17	80	30	6	4.9	8	3	5
M7	x 1	TD127346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TD127366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TD127396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TD127426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TD127466	22	100	39	11	9	12	3	9.5
M12	x 1.75	TD127506	24	110	44	12	9	12	3	10.2

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○									○	○	○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○			○		○		○	○	○	○	○		

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHIA MANO

MASCHI PER TUBI

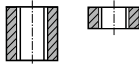
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 376



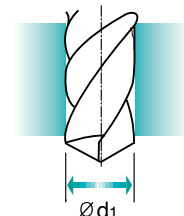
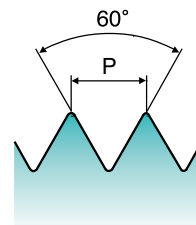
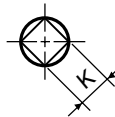
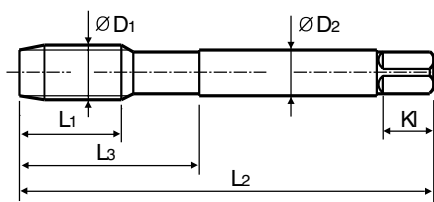
HSS-E

DIN 376

6H



TiN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3	x 0.5	TD227206	11	56	18	2.2	1.8	5	3	2.5
M3.5	x 0.6	TD227226	12	56	20	2.5	2.1	5	3	2.9
M4	x 0.7	TD227246	13	63	21	2.8	2.1	5	3	3.3
M4.5	x 0.75	TD227266	14	70	25	3.5	2.7	6	3	3.7
M5	x 0.8	TD227286	15	70	25	3.5	2.7	6	3	4.2
M6	x 1	TD227316	17	80	30	4.5	3.4	6	3	5
M7	x 1	TD227346	17	80	30	5.5	4.3	7	3	6
M8	x 1.25	TD227366	20	90	36	6	4.9	8	3	6.8
M9	x 1.25	TD227396	20	90	36	7	5.5	8	3	7.8
M10	x 1.5	TD227426	22	100	40	7	5.5	8	3	8.5
M11	x 1.5	TD227466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TD227506	24	110	44	9	7	10	3	10.2
M14	x 2	TD227546	26	110	44	11	9	12	3	12
M16	x 2	TD227606	27	110	44	12	9	12	3	14
M18	x 2.5	TD227656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TD227706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TD227746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TD227786	34	160	60	18	14.5	17	4	21
M27	x 3	TD227866	36	160	60	20	16	19	4	24
M30	x 3.5	TD227946	40	180	70	22	18	21	4	26.5

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

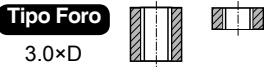
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

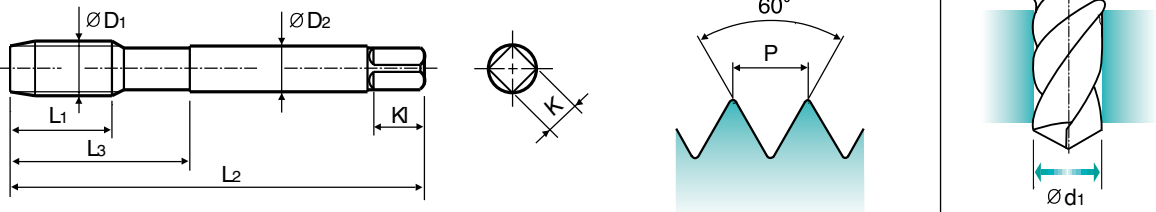
► Suitable for through hole in more cutting speed than other taps due to thick web and the best substrate.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco e al migliore materiale di base.



Gruppo Materiali **VG** **HSS-PM** **DIN 371/376** **6H** **60°** **B** **Vap**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TQ863136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TQ863156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TQ863176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TQ863206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ863226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TQ863246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ863266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ863286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TQ863316	17	80	30	6	4.9	8	3	5
M7	x 1	TQ863346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TQ863366	20	90	35	8	6.2	9	3	6.8
M10	x 1.5	TQ863426	22	100	39	10	8	11	3	8.5
M12	x 1.75	TQ863506	24	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
			○	◎				○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
			○											

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

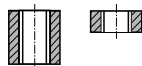
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web and the best substrate.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco e al migliore materiale di base.

Tipo Foro

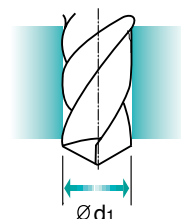
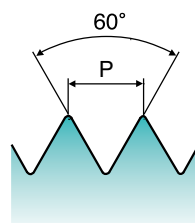
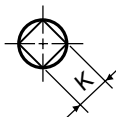
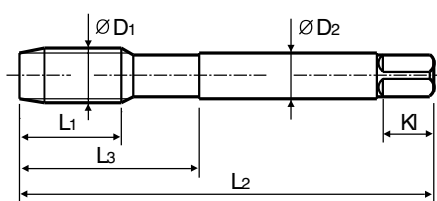
3.0×D



DIN 371

DIN 376

Gruppo Materiali

VG**HSS-PM****DIN 371/376****6H****Lucido**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TR863136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TR863156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TR863176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TR863206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TR863226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TR863246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TR863266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TR863286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TR863316	17	80	30	6	4.9	8	3	5
M7	x 1	TR863346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TR863366	20	90	35	8	6.2	9	3	6.8
M10	x 1.5	TR863426	22	100	39	10	8	11	3	8.5
M12	x 1.75	TR863506	24	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
			○											

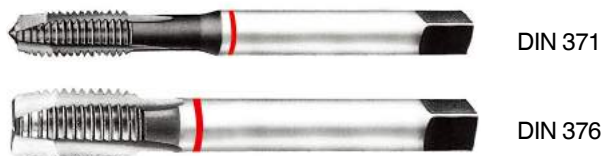
M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0xD

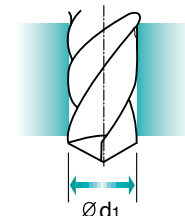
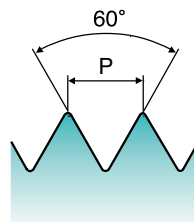
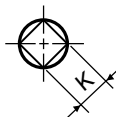
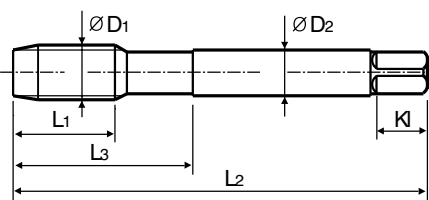


DIN 371

DIN 376


HSS-E
DIN 371/376
6H

Lucido

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC422136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC422156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC422196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC422176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC422496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC422206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC422226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TC422246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC422266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC422286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TC422316	17	80	30	6	4.9	8	3	5
M7	x 1	TC422346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TC422366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC422396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TC422426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TC422466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC422506	24	110	44	9	7	10	3	10.2
M14	x 2	TC422546	26	110	44	11	9	12	3	12
M16	x 2	TC422606	27	110	44	12	9	12	3	14
M18	x 2.5	TC422656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TC422706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TC422746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TC422786	34	160	60	18	14.5	17	4	21
M27	x 3	TC422866	36	160	60	20	16	19	4	24
M30	x 3.5	TC422946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

■ DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHI A RULLARE

MASCHI PER DADI

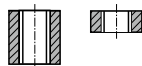
MASCHI PER HELICOIL

MASCHI A MANO

MASCHI PER TUBI

**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13► Recommended for tapping abrasive materials due to nitriding,
not suitable for tapping tough or high strength materials.► Raccomandato per maschiature di materiali abrasivi nitrurati.
Non adatto per filettature di materiali duri o ad alta resistenza.**Tipo Foro**

3.0×D



DIN 371



DIN 376

Gruppo Materiali

VG

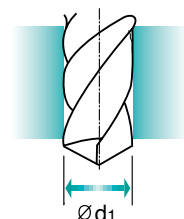
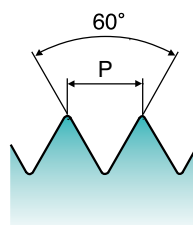
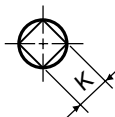
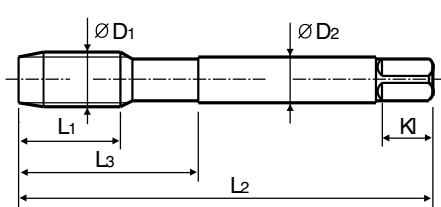
HSS-E

DIN
371/376

6H



NI

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TE422136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TE422156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TE422196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TE422176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TE422496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TE422206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TE422226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TE422246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TE422266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TE422286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TE422316	17	80	30	6	4.9	8	3	5
M7	x 1	TE422346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TE422366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TE422396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TE422426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TE422466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TE422506	24	110	44	9	7	10	3	10.2
M14	x 2	TE422546	26	110	44	11	9	12	3	12
M16	x 2	TE422606	27	110	44	12	9	12	3	14
M18	x 2.5	TE422656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TE422706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TE422746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TE422786	34	160	60	18	14.5	17	4	21
M27	x 3	TE422866	36	160	60	20	16	19	4	24
M30	x 3.5	TE422946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	○				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
			○											

M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

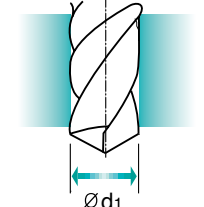
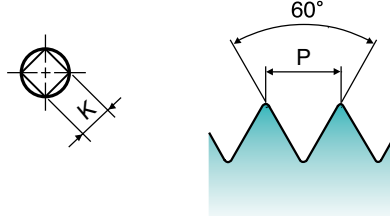
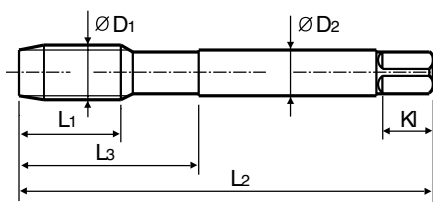
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro
3.0×D



Gruppo Materiali **VG** **HSS-E** **DIN 371/376** **6H** **60°** **B** **TiN**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	TD422136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TD422156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TD422196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TD422176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TD422496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TD422206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TD422226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TD422246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TD422266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TD422286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TD422316	17	80	30	6	4.9	8	3	5
M7	x 1	TD422346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TD422366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TD422396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TD422426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TD422466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TD422506	24	110	44	9	7	10	3	10.2
M14	x 2	TD422546	26	110	44	11	9	12	3	12
M16	x 2	TD422606	27	110	44	12	9	12	3	14
M18	x 2.5	TD422656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TD422706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TD422746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TD422786	34	160	60	18	14.5	17	4	21
M27	x 3	TD422866	36	160	60	20	16	19	4	24
M30	x 3.5	TD422946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
			○	◎				○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

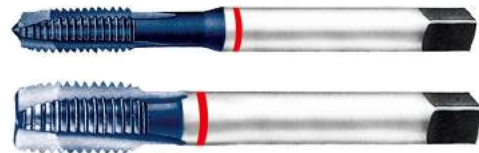
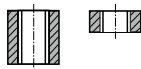
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 371

DIN 376

Gruppo Materiali

VG

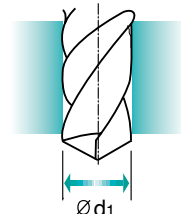
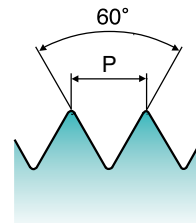
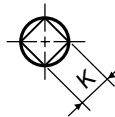
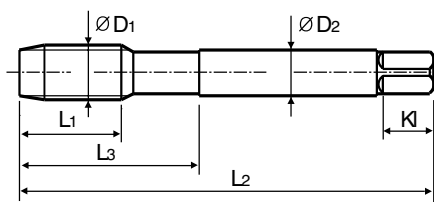
HSS-E

DIN
371/376

6H



TiAIN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiAIN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TY422136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TY422156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TY422196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TY422176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TY422496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TY422206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TY422226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TY422246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TY422266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TY422286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TY422316	17	80	30	6	4.9	8	3	5
M7	x 1	TY422346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TY422366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TY422396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TY422426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TY422466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TY422506	24	110	44	9	7	10	3	10.2
M14	x 2	TY422546	26	110	44	11	9	12	3	12
M16	x 2	TY422606	27	110	44	12	9	12	3	14
M18	x 2.5	TY422656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TY422706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TY422746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TY422786	34	160	60	18	14.5	17	4	21
M27	x 3	TY422866	36	160	60	20	16	19	4	24
M30	x 3.5	TY422946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

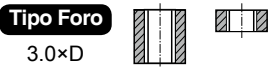
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
			○											

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

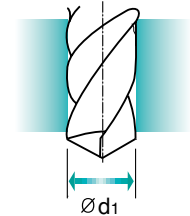
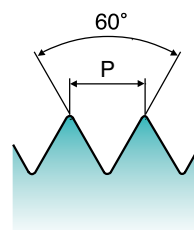
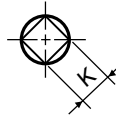
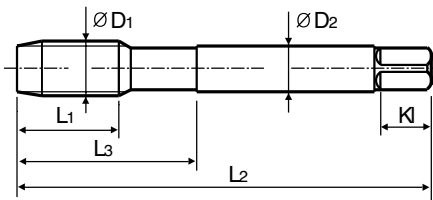
► Suitable for through hole in more cutting speed than other taps due to thick web and the best substrate.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco e al migliore materiale di base.



VA Gruppo Materiali **HSS-PM** **DIN 371/376** **6H** **60°** **B** **Vap**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TQ853136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TQ853156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TQ853176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TQ853206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ853226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TQ853246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ853266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ853286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TQ853316	17	80	30	6	4.9	8	3	5
M7	x 1	TQ853346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TQ853366	20	90	35	8	6.2	9	3	6.8
M10	x 1.5	TQ853426	22	100	39	10	8	11	3	8.5
M12	x 1.75	TQ853506	24	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	◎					◎	◎	◎						○
Leg. Ti ≥ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

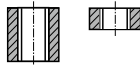
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web and the best substrate.

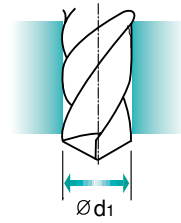
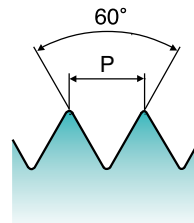
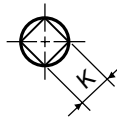
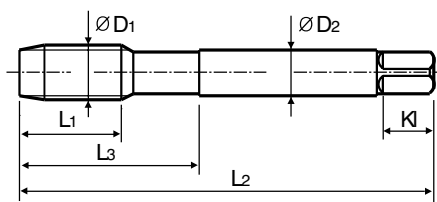
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco e al migliore materiale di base.

Tipo Foro

3.0×D



Gruppo Materiali

VA**HSS-PM****DIN 371/376****6H****Lucido**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	K1	Z	Ød1
M2	x 0.4	TR853136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TR853156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TR853176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TR853206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TR853226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TR853246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TR853266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TR853286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TR853316	17	80	30	6	4.9	8	3	5
M7	x 1	TR853346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TR853366	20	90	35	8	6.2	9	3	6.8
M10	x 1.5	TR853426	22	100	39	10	8	11	3	8.5
M12	x 1.75	TR853506	24	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	◎					◎	◎	◎						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
		○												

M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0xD



HR

HSS-E

DIN 371/376

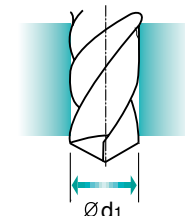
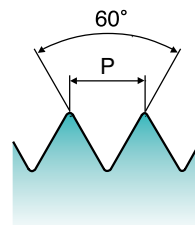
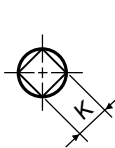
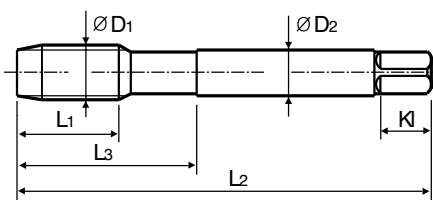
6H

60°

B

Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC283136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC283156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC283196	8	45	13	2.8	2.1	5	3	1.9
* M2.5	x 0.45	TC283176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC283496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC283206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC283226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TC283246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC283266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC283286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TC283316	17	80	30	6	4.9	8	3	5
M7	x 1	TC283346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TC283366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC283396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TC283426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TC283466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC283506	24	110	44	9	7	10	3	10.2
M14	x 2	TC283546	26	110	44	11	9	12	3	12
M16	x 2	TC283606	27	110	44	12	9	12	3	14
M18	x 2.5	TC283656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TC283706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TC283746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TC283786	34	160	60	18	14.5	17	4	21
M27	x 3	TC283866	36	160	60	20	16	19	4	24
M30	x 3.5	TC283946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

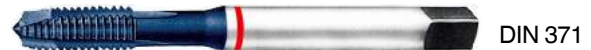
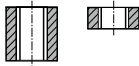
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
				○	◎			○						
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
						○	◎						○	○

**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro
3.0×D

DIN 371



DIN 376

HR

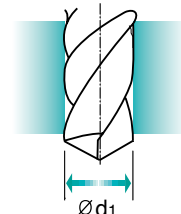
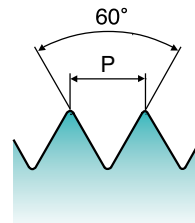
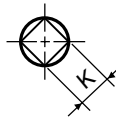
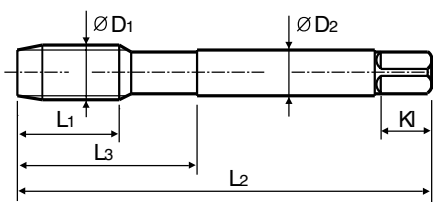
HSS-E

DIN 371/376

6H



TiAIN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD ₁	P	TiAIN	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M2	x 0.4	TY283136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TY283156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TY283196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TY283176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TY283496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TY283206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TY283226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TY283246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TY283266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TY283286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TY283316	17	80	30	6	4.9	8	3	5
M7	x 1	TY283346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TY283366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TY283396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TY283426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TY283466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TY283506	24	110	44	9	7	10	3	10.2
M14	x 2	TY283546	26	110	44	11	9	12	3	12
M16	x 2	TY283606	27	110	44	12	9	12	3	14
M18	x 2.5	TY283656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TY283706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TY283746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TY283786	34	160	60	18	14.5	17	4	21
M27	x 3	TY283866	36	160	60	20	16	19	4	24
M30	x 3.5	TY283946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				○	◎			○						
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
					○		◎						○	○

M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

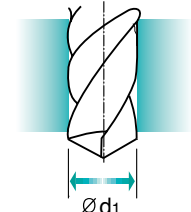
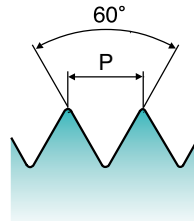
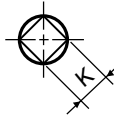
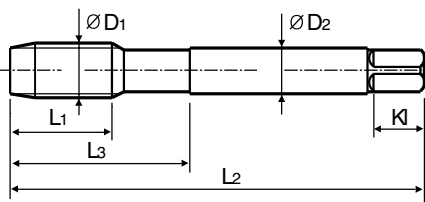
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0xD



HSS-E
DIN 371/376
6HX
60°
B
Vap

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TB623136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TB623156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TB623196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TB623176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TB623496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TB623206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TB623226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TB623246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TB623266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TB623286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TB623316	17	80	30	6	4.9	8	3	5
M7	x 1	TB623346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TB623366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TB623396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TB623426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TB623466	22	100	39	8	6.2	9	3	9.5
M12	x 1.75	TB623506	24	110	44	9	7	10	4	10.2
M14	x 2	TB623546	26	110	44	11	9	12	4	12
M16	x 2	TB623606	27	110	44	12	9	12	4	14
M18	x 2.5	TB623656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TB623706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TB623746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TB623786	34	160	60	18	14.5	17	4	21
M27	x 3	TB623866	36	160	60	20	16	19	4	24
M30	x 3.5	TB623946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

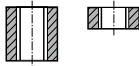
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○					○	○	○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro
3.0×D

DIN 371



DIN 376



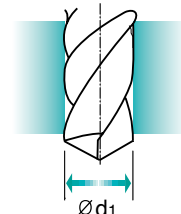
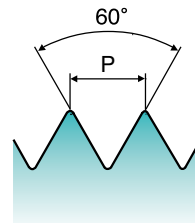
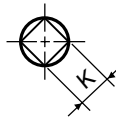
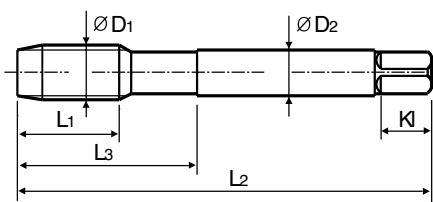
HSS-E

DIN
371/376

6HX



Hardslick

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Hardslick	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TCH23136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TCH23156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TCH23196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TCH23176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TCH23496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TCH23206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TCH23226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TCH23246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TCH23266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TCH23286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TCH23316	17	80	30	6	4.9	8	3	5
M7	x 1	TCH23346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TCH23366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TCH23396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TCH23426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TCH23466	22	100	39	8	6.2	9	3	9.5
M12	x 1.75	TCH23506	24	110	44	9	7	10	4	10.2
M14	x 2	TCH23546	26	110	44	11	9	12	4	12
M16	x 2	TCH23606	27	110	44	12	9	12	4	14
M18	x 2.5	TCH23656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TCH23706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TCH23746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TCH23786	34	160	60	18	14.5	17	4	21
M27	x 3	TCH23866	36	160	60	20	16	19	4	24
M30	x 3.5	TCH23946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

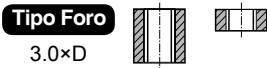
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎					◎	◎	◎						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

M-Az ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

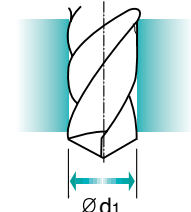
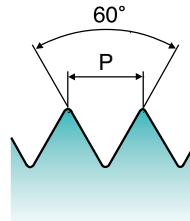
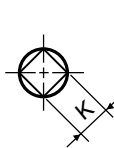
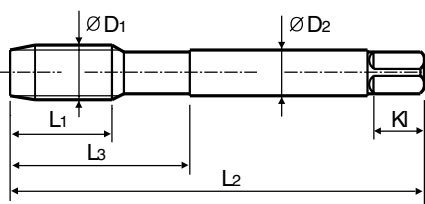
► Interrupted tap to reduce contact area and tapping torque, and to give more chip space.

► I maschi a denti alternati riducono l'area di contatto pezzo/utensile e la torsione, maggiore vano elica per l'alloggiamento del truciolo.



Ti **HSS-PM** **DIN 371/376** **6H** **60°** **B** **Lucido**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TM293136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TM293156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TM293196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TM293176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TM293496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TM293206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TM293226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TM293246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TM293266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TM293286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TM293316	17	80	30	6	4.9	8	3	5
M7	x 1	TM293346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TM293366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TM293396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TM293426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TM293466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TM293506	24	110	44	9	7	10	3	10.2
M14	x 2	TM293546	26	110	44	11	9	12	3	12
M16	x 2	TM293606	27	110	44	12	9	12	3	14
M18	x 2.5	TM293656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TM293706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TM293746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TM293786	34	160	60	18	14.5	17	4	21
M27	x 3	TM293866	36	160	60	20	16	19	4	24
M30	x 3.5	TM293946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
◎													○	◎

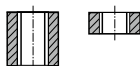
**M-Az** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Interrupted tap to reduce contact area and tapping torque, and to give more chip space.

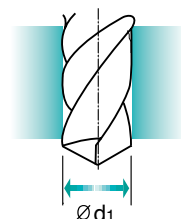
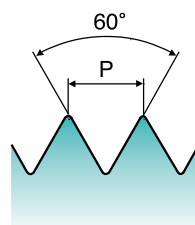
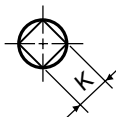
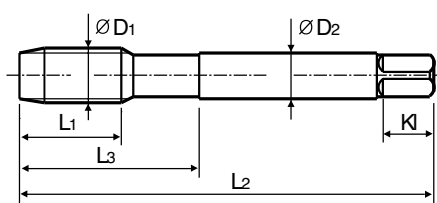
► I maschi a denti alternati riducono l'area di contatto pezzo/utensile e la torsione, maggiore vano elica per l'alloggiamento del truciolo.

Tipo Foro

3.0×D



Gruppo Materiali

Ti**HSS-PM****DIN 371/376****6H****TiAIN**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiAIN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TZ293136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TZ293156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TZ293196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TZ293176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TZ293496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TZ293206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TZ293226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TZ293246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TZ293266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TZ293286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TZ293316	17	80	30	6	4.9	8	3	5
M7	x 1	TZ293346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TZ293366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TZ293396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TZ293426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TZ293466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TZ293506	24	110	44	9	7	10	3	10.2
M14	x 2	TZ293546	26	110	44	11	9	12	3	12
M16	x 2	TZ293606	27	110	44	12	9	12	3	14
M18	x 2.5	TZ293656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TZ293706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TZ293746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TZ293786	34	160	60	18	14.5	17	4	21
M27	x 3	TZ293866	36	160	60	20	16	19	4	24
M30	x 3.5	TZ293946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
◎														

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

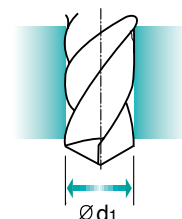
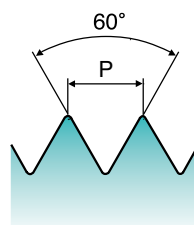
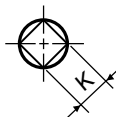
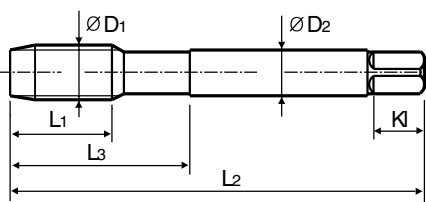
► Suitable for through hole in more cutting speed than other taps due to thick web and the best substrate.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco e al migliore materiale di base.



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

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TQ873136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TQ873156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TQ873176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TQ873206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TQ873226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TQ873246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TQ873266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TQ873286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TQ873316	17	80	30	6	4.9	8	3	5
M7	x 1	TQ873346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TQ873366	20	90	35	8	6.2	9	3	6.8
M10	x 1.5	TQ873426	22	100	39	10	8	11	3	8.5
M12	x 1.75	TQ873506	24	110	44	9	7	10	3	10.2

► DIN 371(M2~M10) e DIN 376(M12)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

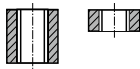
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
				◎	◎								○	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎		◎	◎				○							

**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

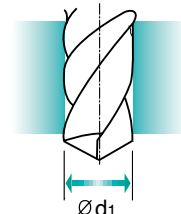
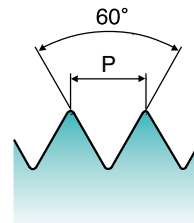
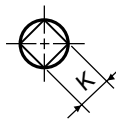
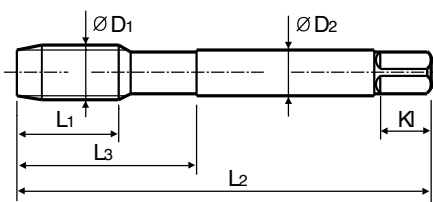
► Suitable for through hole in more cutting speed than other taps due to thick web and the best substrate.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco e al migliore materiale di base.

Tipo Foro
3.0×D



Gruppo Materiali

**Ti
Ni****HSS-PM****DIN
371/376****6H****60°****B****Lucido**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TR873136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TR873156	8	45	13	2.8	2.1	5	3	1.75
M2.5	x 0.45	TR873176	9	50	15	2.8	2.1	5	3	2.05
M3	x 0.5	TR873206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TR873226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TR873246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TR873266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TR873286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TR873316	17	80	30	6	4.9	8	3	5
M7	x 1	TR873346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TR873366	20	90	35	8	6.2	9	3	6.8
M10	x 1.5	TR873426	22	100	39	10	8	11	3	8.5
M12	x 1.75	TR873506	24	110	44	9	7	10	3	10.2

► DIN 371(M2-M10) e DIN 376(M12)

Unità : N/mm²

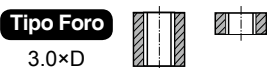
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				◎	◎								○	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○		○	○				○							

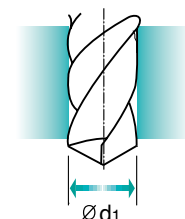
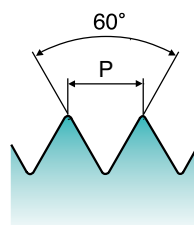
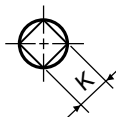
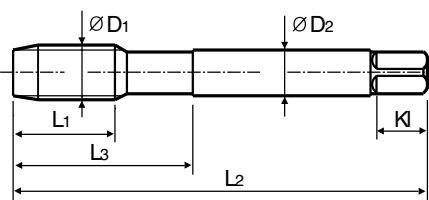
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

► For tapping Nickel alloys and heat resistant alloy steels which are used in aero space and chemical industries.

► Per maschiatura di leghe di Nickel, leghe resistenti al calore utilizzate nel settore aereo spaziale e nell'industria chimica.



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TM923136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TM923156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TM923196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TM923176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TM923496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TM923206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TM923226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TM923246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TM923266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TM923286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TM923316	17	80	30	6	4.9	8	3	5
M7	x 1	TM923346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TM923366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TM923396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TM923426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TM923466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TM923506	24	110	44	9	7	10	3	10.2
M14	x 2	TM923546	26	110	44	11	9	12	3	12
M16	x 2	TM923606	27	110	44	12	9	12	3	14
M18	x 2.5	TM923656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TM923706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TM923746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TM923786	34	160	60	18	14.5	17	4	21
M27	x 3	TM923866	36	160	60	20	16	19	4	24
M30	x 3.5	TM923946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
				◎	◎									
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
○		◎	◎											

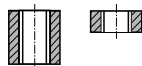
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► For tapping Nickel alloys and heat resistant alloy steels which are used in aero space and chemical industries.

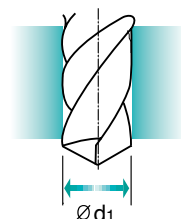
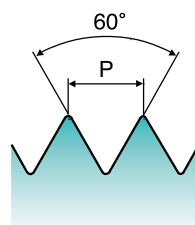
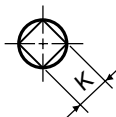
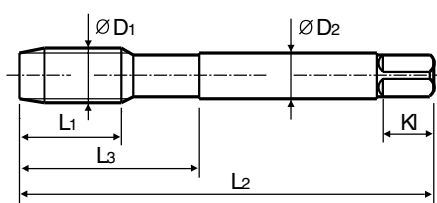
► Per maschiatura di leghe di Nickel, leghe resistenti al calore utilizzate nel settore aereo spaziale e nell'industria chimica.

Tipo Foro

3.0xD



Gruppo Materiali

Ni**HSS-PM****DIN 371/376****6H****TiAIN**Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiAIN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TZ923136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TZ923156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TZ923196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TZ923176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TZ923496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TZ923206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TZ923226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TZ923246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TZ923266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TZ923286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TZ923316	17	80	30	6	4.9	8	3	5
M7	x 1	TZ923346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TZ923366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TZ923396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TZ923426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TZ923466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TZ923506	24	110	44	9	7	10	3	10.2
M14	x 2	TZ923546	26	110	44	11	9	12	3	12
M16	x 2	TZ923606	27	110	44	12	9	12	3	14
M18	x 2.5	TZ923656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TZ923706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TZ923746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TZ923786	34	160	60	18	14.5	17	4	21
M27	x 3	TZ923866	36	160	60	20	16	19	4	24
M30	x 3.5	TZ923946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

© : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
				○	○									
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○		○	○					○						

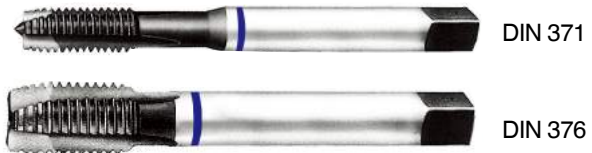
M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

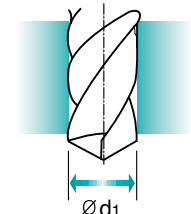
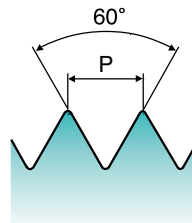
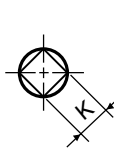
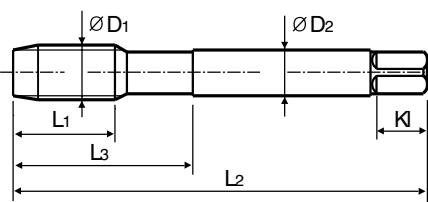
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0xD



Gruppo Materiali **AI** HSS-E DIN 371/376 6H 60° B NI

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TE943136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TE943156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TE943196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TE943176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TE943496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TE943206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TE943226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TE943246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TE943266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TE943286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TE943316	17	80	30	6	4.9	8	3	5
M7	x 1	TE943346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TE943366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TE943396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TE943426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TE943466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TE943506	24	110	44	9	7	10	3	10.2
M14	x 2	TE943546	26	110	44	11	9	12	3	12
M16	x 2	TE943606	27	110	44	12	9	12	3	14
M18	x 2.5	TE943656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TE943706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TE943746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TE943786	34	160	60	18	14.5	17	4	21
M27	x 3	TE943866	36	160	60	20	16	19	4	24
M30	x 3.5	TE943946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP

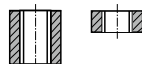
**M-Az** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Interrupted tap to reduce contact area and tapping torque, and to give more chip space.

► I maschi a denti alternati riducono l'area di contatto pezzo/utensile e la torsione, maggiore vano elica per l'alloggiamento del truciolo.

Tipo Foro

3.0×D



DIN 371



DIN 376

Gruppo Materiali

AI

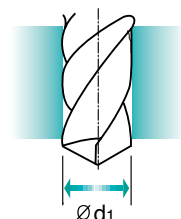
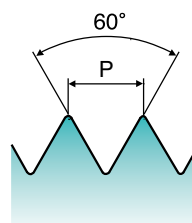
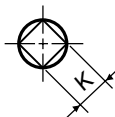
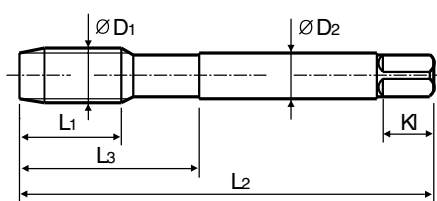
HSS-E

DIN
371/376

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC622136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC622156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC622196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC622176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC622496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC622206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC622226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TC622246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC622266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC622286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TC622316	17	80	30	6	4.9	8	3	5
M7	x 1	TC622346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TC622366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC622396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TC622426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TC622466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC622506	24	110	44	9	7	10	3	10.2
M14	x 2	TC622546	26	110	44	11	9	12	3	12
M16	x 2	TC622606	27	110	44	12	9	12	3	14
M18	x 2.5	TC622656	30	125	50	14	11	14	3	15.5
M20	x 2.5	TC622706	32	140	54	16	12	15	3	17.5
M22	x 2.5	TC622746	32	140	54	18	14.5	17	3	19.5
M24	x 3	TC622786	34	160	60	18	14.5	17	3	21
M27	x 3	TC622866	36	160	60	20	16	19	3	24
M30	x 3.5	TC622946	40	180	70	22	18	21	3	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○											○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

MF ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0xD



GS Gruppo Materiali

HSS-E

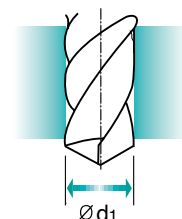
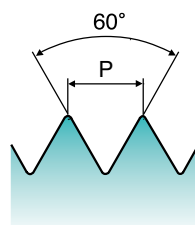
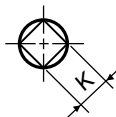
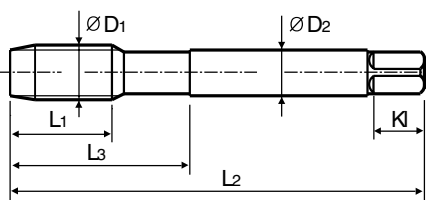
DIN 374

6H



Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4 x 0.5		TC222256	10	63	21	2.8	2.1	5	3	3.5
M5 x 0.5		TC222296	11	70	25	3.5	2.7	6	3	4.5
M6 x 0.75		TC222326	13	80	30	4.5	3.4	6	3	5.2
M6 x 0.5		TC222336	13	80	30	4.5	3.4	6	3	5.5
M7 x 0.75		TC222356	14	80	30	5.5	4.3	7	3	6.2
M8 x 1		TC222376	17	90	36	6	4.9	8	3	7
M8 x 0.75		TC222386	14	80	30	6	4.9	8	3	7.2
M8 x 0.5		TC222936	14	80	30	6	4.9	8	3	7.5
M10 x 1.25		TC222436	22	100	40	7	5.5	8	3	8.8
M10 x 1		TC222446	18	90	36	7	5.5	8	3	9
M10 x 0.75		TC222456	18	90	36	7	5.5	8	3	9.2
M12 x 1.5		TC222516	22	100	40	9	7	10	3	10.5
M12 x 1.25		TC222526	22	100	40	9	7	10	3	10.8
M12 x 1		TC222536	18	100	40	9	7	10	3	11
M14 x 1.5		TC222556	22	100	40	11	9	12	3	12.5
M14 x 1.25		TC222566	22	100	40	11	9	12	3	12.8
M14 x 1		TC222576	18	100	40	11	9	12	3	13

► SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

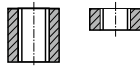
**MF****ISO Metric fine threads DIN 13****ISO Metrico passo fine DIN 13**

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 374

Gruppo Materiali

GS

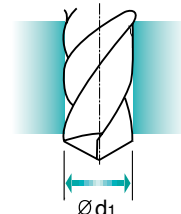
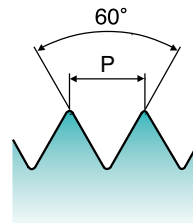
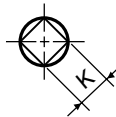
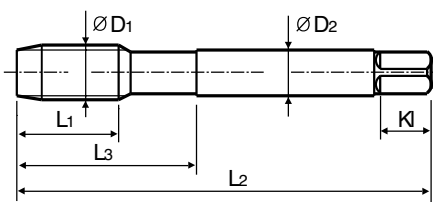
HSS-E

DIN 374

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	K1	Z	Ød1
M16 x 1.5		TC222616	22	100	40	12	9	12	3	14.5
M16 x 1		TC222626	18	100	40	12	9	12	3	15
M18 x 1.5		TC222676	25	110	44	14	11	14	4	16.5
M18 x 1		TC222686	20	110	44	14	11	14	4	17
M20 x 1.5		TC222726	25	125	50	16	12	15	4	18.5
M20 x 1		TC222736	20	125	50	16	12	15	4	19
M22 x 1.5		TC222766	25	125	50	18	14.5	17	4	20.5
M22 x 1		TC222776	20	125	50	18	14.5	17	4	21
M24 x 2		TC222796	27	140	54	18	14.5	17	4	22
M24 x 1.5		TC222806	27	140	54	18	14.5	17	4	22.5
M26 x 1.5		TC222856	28	140	54	18	14.5	17	4	24.5
M27 x 2		TC222876	28	140	54	20	16	19	4	25
M27 x 1.5		TC222886	28	140	54	20	16	19	4	25.5
M28 x 1.5		TC222916	28	140	54	20	16	19	4	26.5
M30 x 2		TC222966	30	150	57	22	18	21	4	28
M30 x 1.5		TC222976	30	150	57	22	18	21	4	28.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

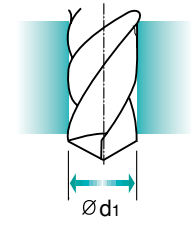
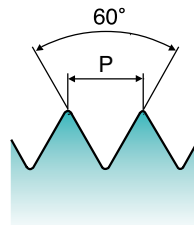
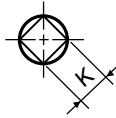
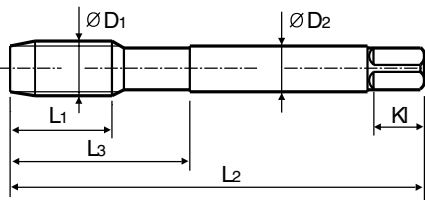
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0xD



GS HSS-E DIN 374 6H 60° B TiN

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TD222256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TD222296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TD222326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TD222336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TD222356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1	TD222376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TD222386	14	80	30	6	4.9	8	3	7.2
M8	x 0.5	TD222936	14	80	30	6	4.9	8	3	7.5
M10	x 1.25	TD222436	22	100	40	7	5.5	8	3	8.8
M10	x 1	TD222446	18	90	36	7	5.5	8	3	9
M10	x 0.75	TD222456	18	90	36	7	5.5	8	3	9.2
M12	x 1.5	TD222516	22	100	40	9	7	10	3	10.5
M12	x 1.25	TD222526	22	100	40	9	7	10	3	10.8
M12	x 1	TD222536	18	100	40	9	7	10	3	11
M14	x 1.5	TD222556	22	100	40	11	9	12	3	12.5
M14	x 1.25	TD222566	22	100	40	11	9	12	3	12.8
M14	x 1	TD222576	18	100	40	11	9	12	3	13

► SEGUE

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

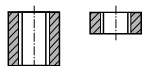
**MF****ISO Metric fine threads DIN 13****ISO Metrico passo fine DIN 13**

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 374

GS
Gruppo Materiali

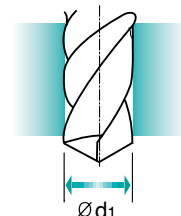
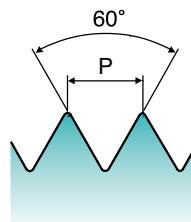
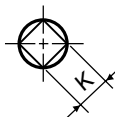
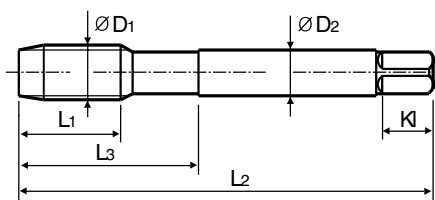
HSS-E

DIN 374

6H



TiN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD ₁	P	TiN	L ₁	L ₂	L ₃	ØD ₂	K	K ₁	Z	Ød ₁
M16	x 1.5	TD222616	22	100	40	12	9	12	3	14.5
M16	x 1	TD222626	18	100	40	12	9	12	3	15
M18	x 1.5	TD222676	25	110	44	14	11	14	4	16.5
M18	x 1	TD222686	20	110	44	14	11	14	4	17
M20	x 1.5	TD222726	25	125	50	16	12	15	4	18.5
M20	x 1	TD222736	20	125	50	16	12	15	4	19
M22	x 1.5	TD222766	25	125	50	18	14.5	17	4	20.5
M22	x 1	TD222776	20	125	50	18	14.5	17	4	21
M24	x 2	TD222796	27	140	54	18	14.5	17	4	22
M24	x 1.5	TD222806	27	140	54	18	14.5	17	4	22.5
M26	x 1.5	TD222856	28	140	54	18	14.5	17	4	24.5
M27	x 2	TD222876	28	140	54	20	16	19	4	25
M27	x 1.5	TD222886	28	140	54	20	16	19	4	25.5
M28	x 1.5	TD222916	28	140	54	20	16	19	4	26.5
M30	x 2	TD222966	30	150	57	22	18	21	4	28
M30	x 1.5	TD222976	30	150	57	22	18	21	4	28.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

MF ISO Metric fine threads DIN 13

ISO Metrico passo fine DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0×D



DIN 374



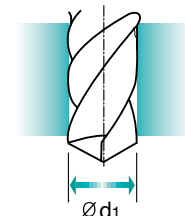
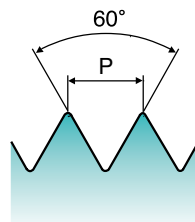
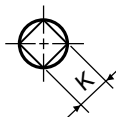
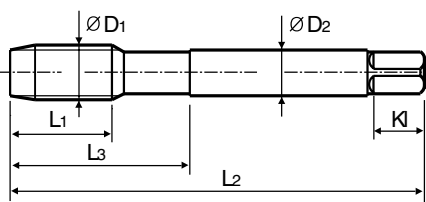
HSS-E

DIN 374

6H



Lucido

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TC263256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TC263296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TC263326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TC263336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TC263356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1	TC263376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TC263386	14	80	30	6	4.9	8	3	7.2
M10	x 1.25	TC263436	22	100	40	7	5.5	8	3	8.8
M10	x 1	TC263446	18	90	36	7	5.5	8	3	9
M10	x 0.75	TC263456	18	90	36	7	5.5	8	3	9.2
M12	x 1.5	TC263516	22	100	40	9	7	10	3	10.5
M12	x 1.25	TC263526	22	100	40	9	7	10	3	10.8
M12	x 1	TC263536	18	100	40	9	7	10	3	11
M14	x 1.5	TC263556	22	100	40	11	9	12	3	12.5
M14	x 1.25	TC263566	22	100	40	11	9	12	3	12.8
M16	x 1.5	TC263616	22	100	40	12	9	12	3	14.5
M18	x 1.5	TC263676	25	110	44	14	11	14	4	16.5
M20	x 1.5	TC263726	25	125	50	16	12	15	4	18.5
M22	x 1.5	TC263766	25	125	50	18	14.5	17	4	20.5
M24	x 1.5	TC263806	27	140	54	18	14.5	17	4	22.5

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

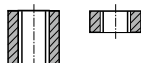
**MF** ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 374



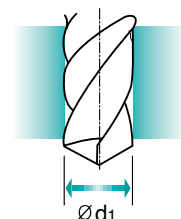
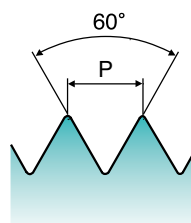
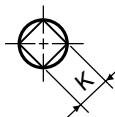
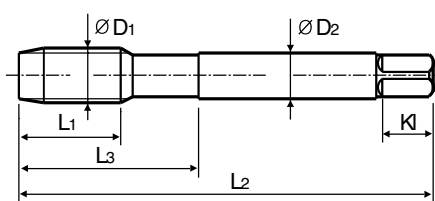
HSS-E

DIN 374

6H



TiN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	K1	Z	Ød1
M4	x 0.5	TD263256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TD263296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TD263326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TD263336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TD263356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1	TD263376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TD263386	14	80	30	6	4.9	8	3	7.2
M10	x 1.25	TD263436	22	100	40	7	5.5	8	3	8.8
M10	x 1	TD263446	18	90	36	7	5.5	8	3	9
M10	x 0.75	TD263456	18	90	36	7	5.5	8	3	9.2
M12	x 1.5	TD263516	22	100	40	9	7	10	3	10.5
M12	x 1.25	TD263526	22	100	40	9	7	10	3	10.8
M12	x 1	TD263536	18	100	40	9	7	10	3	11
M14	x 1.5	TD263556	22	100	40	11	9	12	3	12.5
M14	x 1.25	TD263566	22	100	40	11	9	12	3	12.8
M16	x 1.5	TD263616	22	100	40	12	9	12	3	14.5
M18	x 1.5	TD263676	25	110	44	14	11	14	4	16.5
M20	x 1.5	TD263726	25	125	50	16	12	15	4	18.5
M22	x 1.5	TD263766	25	125	50	18	14.5	17	4	20.5
M24	x 1.5	TD263806	27	140	54	18	14.5	17	4	22.5

Unità : N/mm²

◎ : Specifico ○ : Adatto

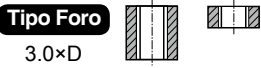
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
			○											

MF ISO Metric fine threads DIN 13

ISO Metrico passo fine DIN 13

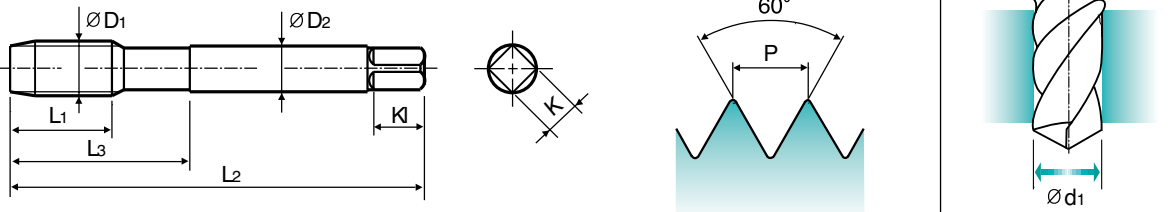
► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.



HSS-E
DIN 374
6HX
60°
B
Vap

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TB123256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TB123296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TB123326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TB123336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TB123356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1	TB123376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TB123386	14	80	30	6	4.9	8	3	7.2
M10	x 1.25	TB123436	22	100	40	7	5.5	8	3	8.8
M10	x 1	TB123446	18	90	36	7	5.5	8	3	9
M10	x 0.75	TB123456	18	90	36	7	5.5	8	3	9.2
M12	x 1.5	TB123516	22	100	40	9	7	10	4	10.5
M12	x 1.25	TB123526	22	100	40	9	7	10	3	10.8
M12	x 1	TB123536	18	100	40	9	7	10	3	11
M14	x 1.5	TB123556	22	100	40	11	9	12	3	12.5
M14	x 1.25	TB123566	22	100	40	11	9	12	3	12.8
M16	x 1.5	TB123616	22	100	40	12	9	12	3	14.5
M18	x 1.5	TB123676	25	110	44	14	11	14	4	16.5
M20	x 1.5	TB123726	25	125	50	16	12	15	4	18.5
M22	x 1.5	TB123766	25	125	50	18	14.5	17	4	20.5
M24	x 1.5	TB123806	27	140	54	18	14.5	17	4	22.5

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎					◎	◎	◎						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI



UNC

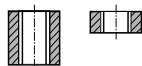
 Unified coarse threads
Unificato passo grosso

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 371



DIN 376



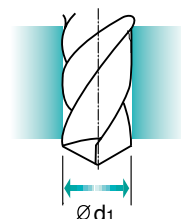
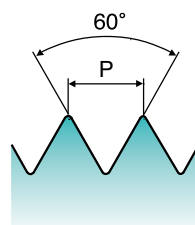
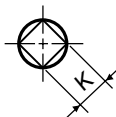
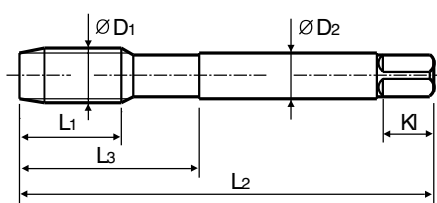
HSS-E

DIN
371/376

2B



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TC214162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TC214202	11	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TC214242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TC214282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TC214322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TC214362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TC214402	17	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TC214442	20	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TC214482	22	100	39	9	7	10	3	8
7/16	- 14 UNC	TC214522	22	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TC214562	25	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TC214602	26	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TC214642	27	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TC214702	30	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TC214742	32	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TC214782	36	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TC214822	40	180	70	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNC

Unified coarse threads
Unificato passo grosso

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 3.0×D



HSS-E

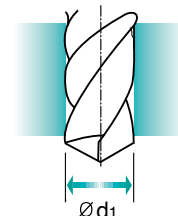
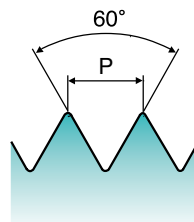
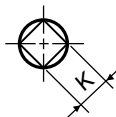
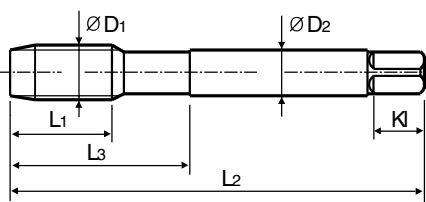
DIN 371/376

2B



Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TC244162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TC244202	11	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TC244242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TC244282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TC244322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TC244362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TC244402	17	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TC244442	20	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TC244482	22	100	39	9	7	10	3	8
7/16	- 14 UNC	TC244522	22	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TC244562	25	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TC244602	26	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TC244642	27	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TC244702	30	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TC244742	32	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TC244782	36	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TC244822	40	180	70	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												



UNC

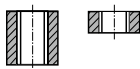
 Unified coarse threads
Unificato passo grosso

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 371



DIN 376



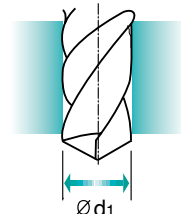
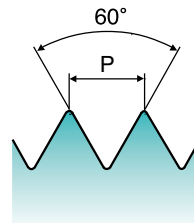
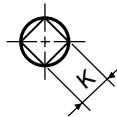
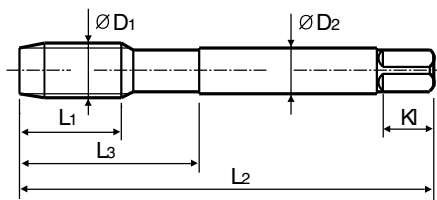
HSS-E

DIN
371/376

2B



TiN

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TD244162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TD244202	11	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TD244242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TD244282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TD244322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TD244362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TD244402	17	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TD244442	20	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TD244482	22	100	39	9	7	10	3	8
7/16	- 14 UNC	TD244522	22	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TD244562	25	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TD244602	26	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TD244642	27	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TD244702	30	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TD244742	32	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TD244782	36	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TD244822	40	180	70	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
		○												

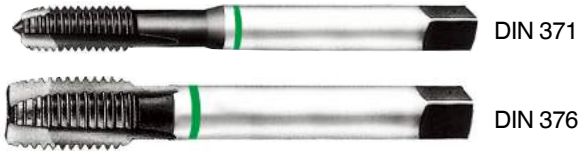
UNC

Unified coarse threads
Unificato passo grosso

► Suitable for through hole in more cutting speed than other taps due to thick web.

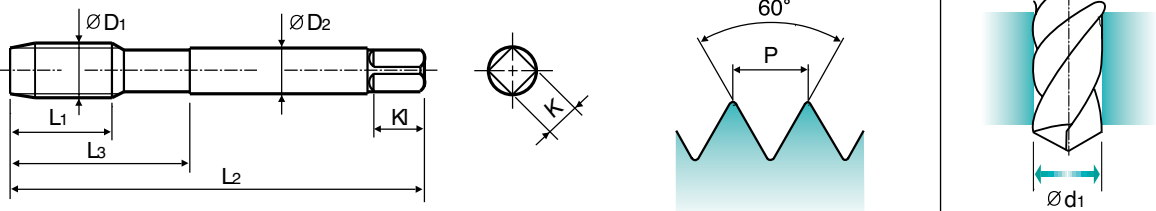
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro
 3.0×D



HSS-E
DIN 371/376
2B
60°
B
Vap

Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TB264162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TB264202	11	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TB264242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TB264282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TB264322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TB264362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TB264402	17	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TB264442	20	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TB264482	22	100	39	9	7	10	3	8
7/16	- 14 UNC	TB264522	22	100	44	8	6.2	9	3	9.4
1/2	- 13 UNC	TB264562	25	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TB264602	26	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TB264642	27	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TB264702	30	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TB264742	32	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TB264782	36	160	60	20	16	17	4	22.25
1-1/8	- 7 UNC	TB264822	40	180	70	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○					○	○	○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
		○												



UNF

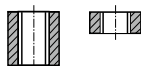
 Unified fine threads
Unificato passo fine

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 371



DIN 374



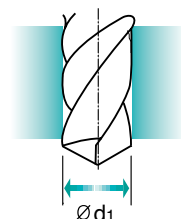
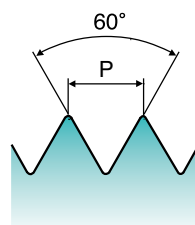
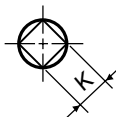
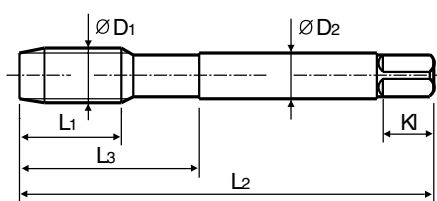
HSS-E

DIN
371/374

2B



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TC234182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TC234222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TC234262	12	56	20	4	3	6	3	3
#8	- 36 UNF	TC234302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TC234342	15	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TC234382	16	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TC234422	17	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TC234462	17	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TC234502	18	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TC234542	22	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TC234582	22	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TC234622	22	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TC234662	22	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TC234722	25	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TC234762	26	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TC234802	28	140	54	20	16	17	4	23.25
1-1/8	- 12 UNF	TC234842	30	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

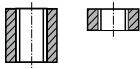
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNF




**Unified fine threads
Unificato passo fine**

► Suitable for through hole in more cutting speed than other taps due to thick web.

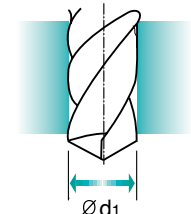
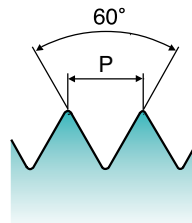
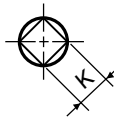
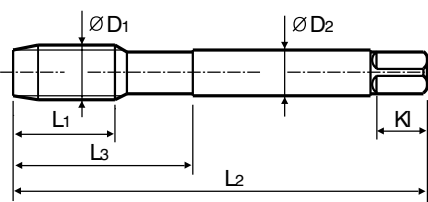
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro 
3.0×D




HSS-E
DIN 371/374
2B

60°

B
Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TC254182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TC254222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TC254262	12	56	20	4	3	6	3	3
#8	- 36 UNF	TC254302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TC254342	15	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TC254382	16	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TC254422	17	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TC254462	17	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TC254502	18	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TC254542	22	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TC254582	22	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TC254622	22	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TC254662	22	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TC254722	25	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TC254762	26	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TC254802	28	140	54	20	16	17	4	23.25
1-1/8	- 12 UNF	TC254842	30	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
			○	◎				○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
		○												

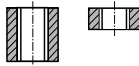
**UNF****Unified fine threads
Unificato passo fine**

► Suitable for through hole in more cutting speed than other taps due to thick web.

► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro

3.0×D



DIN 371



DIN 374



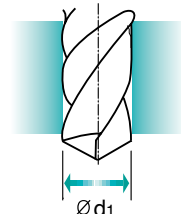
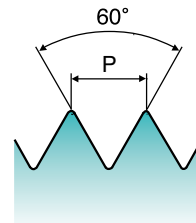
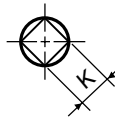
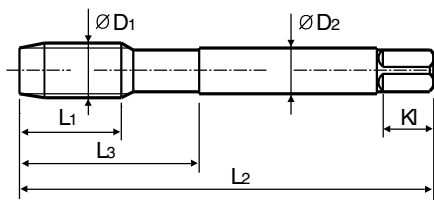
HSS-E

DIN
371/374

2B



Vap

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TB274182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TB274222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TB274262	12	56	20	4	3	6	3	3
#8	- 36 UNF	TB274302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TB274342	15	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TB274382	16	80	30	6	4.9	8	3	4.7
1/4	- 28 UNF	TB274422	17	80	30	7	5.5	8	3	5.5
5/16	- 24 UNF	TB274462	17	90	35	8	6.2	9	3	6.9
3/8	- 24 UNF	TB274502	18	100	39	9	7	10	3	8.5
7/16	- 20 UNF	TB274542	22	100	40	8	6.2	9	3	9.9
1/2	- 20 UNF	TB274582	22	100	40	9	7	10	3	11.5
9/16	- 18 UNF	TB274622	22	100	40	11	9	12	3	12.9
5/8	- 18 UNF	TB274662	22	100	40	12	9	12	3	14.5
3/4	- 16 UNF	TB274722	25	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TB274762	26	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TB274802	28	140	54	20	16	17	4	23.25
1-1/8	- 12 UNF	TB274842	30	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

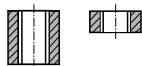
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○					○	○	○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
		○												

BSW Whitworth threads
Filettatura Whitworth

► Suitable for through hole in more cutting speed than other taps due to thick web.

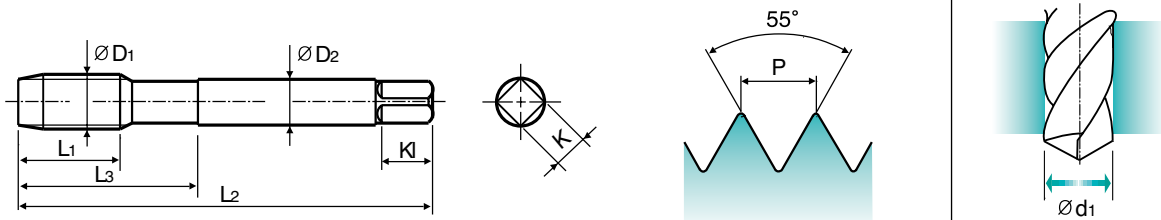
► È possibile un campo di Vc più ampio rispetto ad altri maschi, ciò è dovuto alla particolare geometria dell'imbocco.

Tipo Foro
3.0×D



GS HSS-E DIN 2182/2183 55° B Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
W1/8	- 40	TC224200	11	56	18	3.5	2.7	6	3	2.5
W5/32	- 32	TC224280	13	63	21	4.5	3.4	6	3	3.1
W3/16	- 24	TC224320	15	70	25	6	4.9	8	3	3.6
W7/32	- 24	TC224360	16	80	30	6	4.9	8	3	4.4
W1/4	- 20	TC224400	17	80	30	7	5.5	8	3	5.1
W5/16	- 18	TC224440	20	90	35	8	6.2	9	3	6.5
W3/8	- 16	TC224480	22	100	39	9	7	10	3	7.9
W7/16	- 14	TC224520	22	100	40	8	6.2	9	3	9.3
W1/2	- 12	TC224560	25	110	44	9	7	10	3	10.5
W9/16	- 12	TC224600	26	110	44	11	9	12	3	12
W5/8	- 11	TC224640	27	110	44	12	9	12	3	13.5
W3/4	- 10	TC224700	30	125	50	14	11	14	4	16.5
W7/8	- 9	TC224740	32	140	54	18	14.5	17	4	19.25
W1	- 8	TC224780	36	160	60	20	16	19	4	22
W1-1/8	- 7	TC224820	40	180	65	22	18	21	4	24.75

► DIN 2182(W1/8~W3/8) e DIN 2183(W7/16~W1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



HSS



Migliorare attraverso l'innovazione



MASCHI AD ELICA DRITTA

- Tapping Shallow Holes of Cast Iron, Mild Steels e Brass.

- Maschiatura di fori poco profondi su Ghisa, Acciai basso legati e Ottone.















GUIDA ALLA SELEZIONE

MASCHI ELICA DRITTA

Maschiatura di fori poco profondi su Ghisa, Acciai basso legati, Ottone.

MASCHI ELICA DRITTA

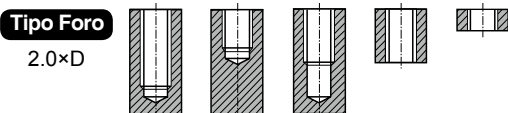
◆ SYNCHRO TYPE

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranze	Imbocco	Prof.	Trattamento Superficiale	PAG.
◆ TKS35		HSS-PM	M	GS	DIN 371/376	6HX	C	2.0D	TiCN	533
TC463		HSS-E	M	GS	DIN 371/376	ISO 2/6H	C	2.0D	Lucido	534
TE821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	NI	535
TD821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	TiN	536
TY821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	TiAlN	537
TI821		HSS-E	M	GG	DIN 371/376	6HX	C	2.0D	TiCN	538
TC433		HSS-E	M	Ms	DIN 371/376	ISO 2/6H	C	2.0D	Lucido	539
TE443		HSS-E	M	Ms	DIN 371/376	6HX	C	2.0D	NI	540
TY433		HSS-E	M	Ms	DIN 371/376	ISO 2/6H	C	2.0D	TiAlN	541
TC473		HSS-E	MF	GS	DIN 374	ISO 2/6H	C	2.0D	Lucido	542
TE403		HSS-E	MF	GG	DIN 374	6HX	C	2.0D	NI	543
TC424		HSS-E	UNC	GS	DIN 371/376	2B	C	2.0D	Lucido	544
TE434		HSS-E	UNC	GG	DIN 371/376	2BX	C	2.0D	NI	545
TE454		HSS-E	UNF	GG	DIN 371/374	2BX	C	2.0D	NI	546

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for high speed machining and high precision threads

► Adatto a lavorazioni in alta velocità e filettature ad elevata precisione



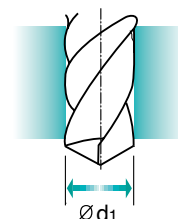
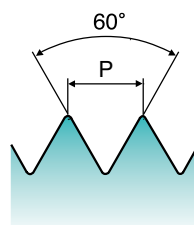
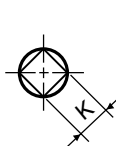
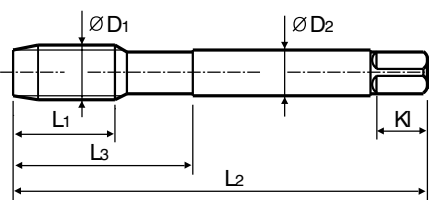
DIN 371/376

Synchro Type

Possibilità di incrementare di 2 o 3 volte le velocità di taglio normalmente consigliate per il gruppo GS

Gruppo Materiali **GS** **HSS-PM** **DIN 371/376** **6HX** **60°** **C** **TiCN**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD ₁	P	TiCN	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
M3	x 0.5	TKS35206	5	56	18	3.5	2.7	6	3	2.5
M4	x 0.7	TKS35246	7	63	21	4.5	3.4	6	3	3.3
M5	x 0.8	TKS35286	8	70	25	6	4.9	8	3	4.2
M6	x 1	TKS35316	10	80	30	6	4.9	8	3	5
M8	x 1.25	TKS35366	13	90	35	8	6.2	9	3	6.8
M10	x 1.5	TKS35426	15	100	39	10	8	11	4	8.5
M12	x 1.75	TKS35506	18	110	44	9	7	10	4	10.2
M14	x 2	TKS35546	20	110	44	11	9	12	4	12
M16	x 2	TKS35606	20	110	44	12	9	12	4	14
M18	x 2.5	TKS35656	25	125	50	14	11	14	4	15.5
M20	x 2.5	TKS35706	25	140	54	16	12	15	4	17.5

► DIN371 (M3~M10) e DIN376 (M11~M20)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○						○		○			
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
											○			

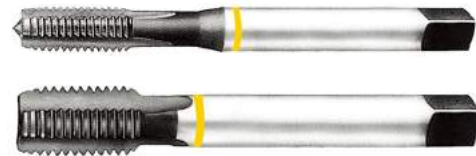
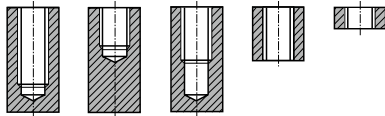
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping shallow holes and the blind holes having enough chip space at the bottom of holes.

► Adatto per maschiatura di fori corti e fori ciechi con ridotto spazio sul fondo per scarico trucioli.

Tipo Foro

2.0×D



DIN 371

DIN 376

Gruppo Materiali

GS

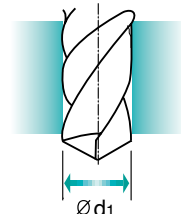
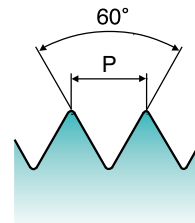
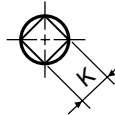
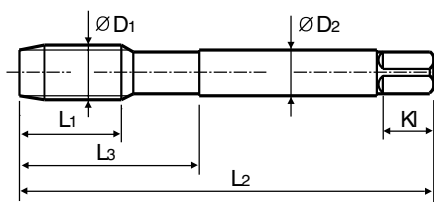
HSS-E

DIN
371/376

6H



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC463136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC463156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC463196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC463176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC463496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC463206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC463226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TC463246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC463266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC463286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TC463316	17	80	30	6	4.9	8	3	5
M7	x 1	TC463346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TC463366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC463396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TC463426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TC463466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC463506	24	110	44	9	7	10	3	10.2
M14	x 2	TC463546	26	110	44	11	9	12	3	12
M16	x 2	TC463606	27	110	44	12	9	12	3	14
M18	x 2.5	TC463656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TC463706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TC463746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TC463786	34	160	60	18	14.5	17	4	21
M27	x 3	TC463866	36	160	60	20	16	19	4	24
M30	x 3.5	TC463946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

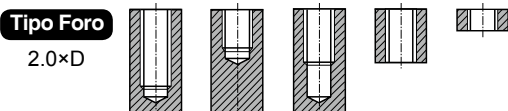
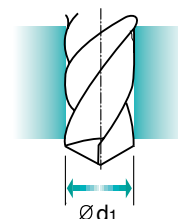
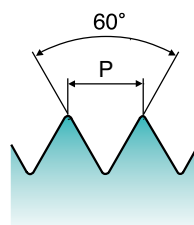
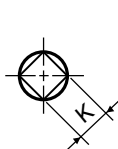
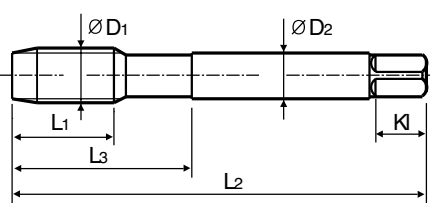
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○								○	○		
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
					○	○					○			

M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

▶ Suitable for tapping cast iron or similar work materials.

▶ Adatti per maschiatura di Ghisa o materiali simili.


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TE821136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TE821156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TE821196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TE821176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TE821496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TE821206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TE821226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TE821246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TE821266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TE821286	15	70	25	6	4.9	8	4	4.2
M6	x 1	TE821316	17	80	30	6	4.9	8	4	5
M7	x 1	TE821346	17	80	30	7	5.5	8	4	6
M8	x 1.25	TE821366	20	90	35	8	6.2	9	4	6.8
M9	x 1.25	TE821396	20	90	35	9	7	10	4	7.8
M10	x 1.5	TE821426	22	100	39	10	8	11	4	8.5
M11	x 1.5	TE821466	22	100	40	8	6.2	9	4	9.5
M12	x 1.75	TE821506	24	110	44	9	7	10	4	10.2
M14	x 2	TE821546	26	110	44	11	9	12	4	12
M16	x 2	TE821606	27	110	44	12	9	12	4	14
M18	x 2.5	TE821656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TE821706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TE821746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TE821786	34	160	60	18	14.5	17	4	21
M27	x 3	TE821866	36	160	60	20	16	19	4	24
M30	x 3.5	TE821946	40	180	70	22	18	21	4	26.5

▶ DIN 371(M2~M10) e DIN 376(M11~M30)

▶ * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

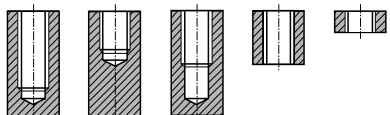
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping cast iron or similar work materials.

► Adatti per maschiatura di Ghisa o materiali simili.

Tipo Foro

2.0xD



DIN 371



DIN 376



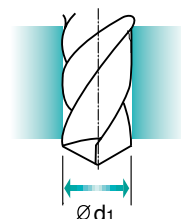
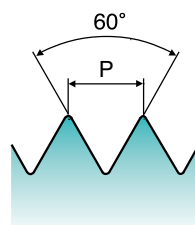
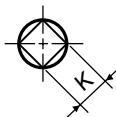
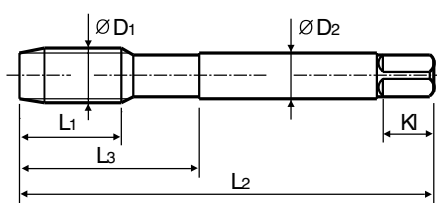
HSS-E

DIN
371/376

6HX



TiN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2 x 0.4		TD821136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TD821156	8	45	13	2.8	2.1	5	3	1.75
* M2.3 x 0.4		TD821196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TD821176	9	50	15	2.8	2.1	5	3	2.05
* M2.6 x 0.45		TD821496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TD821206	11	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TD821226	12	56	20	4	3	6	3	2.9
M4 x 0.7		TD821246	13	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TD821266	14	70	25	6	4.9	8	3	3.7
M5 x 0.8		TD821286	15	70	25	6	4.9	8	4	4.2
M6 x 1		TD821316	17	80	30	6	4.9	8	4	5
M7 x 1		TD821346	17	80	30	7	5.5	8	4	6
M8 x 1.25		TD821366	20	90	35	8	6.2	9	4	6.8
M9 x 1.25		TD821396	20	90	35	9	7	10	4	7.8
M10 x 1.5		TD821426	22	100	39	10	8	11	4	8.5
M11 x 1.5		TD821466	22	100	40	8	6.2	9	4	9.5
M12 x 1.75		TD821506	24	110	44	9	7	10	4	10.2
M14 x 2		TD821546	26	110	44	11	9	12	4	12
M16 x 2		TD821606	27	110	44	12	9	12	4	14
M18 x 2.5		TD821656	30	125	50	14	11	14	4	15.5
M20 x 2.5		TD821706	32	140	54	16	12	15	4	17.5
M22 x 2.5		TD821746	32	140	54	18	14.5	17	4	19.5
M24 x 3		TD821786	34	160	60	18	14.5	17	4	21
M27 x 3		TD821866	36	160	60	20	16	19	4	24
M30 x 3.5		TD821946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

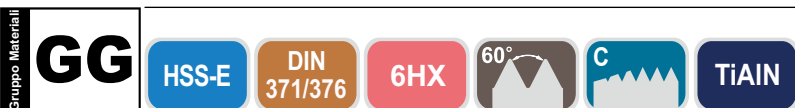
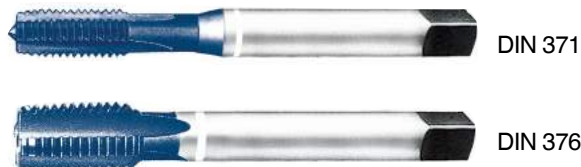
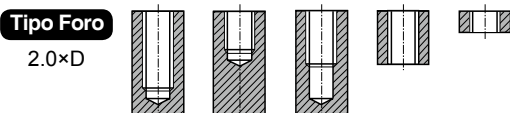
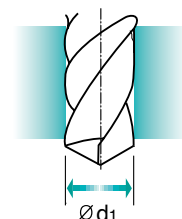
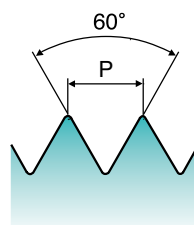
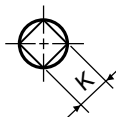
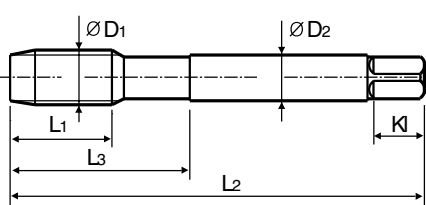
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

▶ Suitable for tapping cast iron or similar work materials.

▶ Adatti per maschiatura di Ghisa o materiali simili.


 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiAlN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TY821136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TY821156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TY821196	8	45	13	2.8	2.1	5	3	1.9
* M2.5	x 0.45	TY821176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TY821496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TY821206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TY821226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TY821246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TY821266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TY821286	15	70	25	6	4.9	8	4	4.2
M6	x 1	TY821316	17	80	30	6	4.9	8	4	5
M7	x 1	TY821346	17	80	30	7	5.5	8	4	6
M8	x 1.25	TY821366	20	90	35	8	6.2	9	4	6.8
M9	x 1.25	TY821396	20	90	35	9	7	10	4	7.8
M10	x 1.5	TY821426	22	100	39	10	8	11	4	8.5
M11	x 1.5	TY821466	22	100	40	8	6.2	9	4	9.5
M12	x 1.75	TY821506	24	110	44	9	7	10	4	10.2
M14	x 2	TY821546	26	110	44	11	9	12	4	12
M16	x 2	TY821606	27	110	44	12	9	12	4	14
M18	x 2.5	TY821656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TY821706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TY821746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TY821786	34	160	60	18	14.5	17	4	21
M27	x 3	TY821866	36	160	60	20	16	19	4	24
M30	x 3.5	TY821946	40	180	70	22	18	21	4	26.5

▶ DIN 371(M2~M10) e DIN 376(M11~M30)

▶ * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP

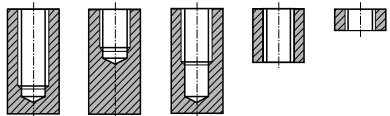
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for tapping cast iron or similar work materials.

► Adatti per maschiatura di Ghisa o materiali simili.

Tipo Foro

2.0xD



DIN 371



DIN 376

Gruppo Materiali

GG

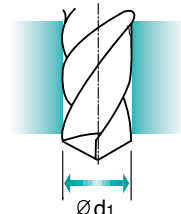
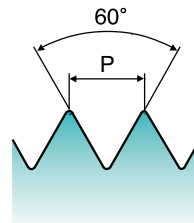
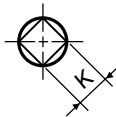
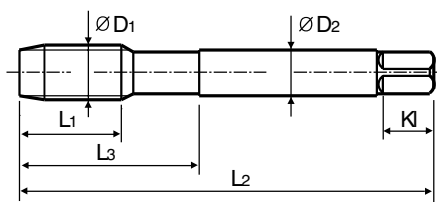
HSS-E

DIN
371/376

6HX



TiCN

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiCN	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2 x 0.4		TI821136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TI821156	8	45	13	2.8	2.1	5	3	1.75
* M2.3 x 0.4		TI821196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TI821176	9	50	15	2.8	2.1	5	3	2.05
* M2.6 x 0.45		TI821496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TI821206	11	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TI821226	12	56	20	4	3	6	3	2.9
M4 x 0.7		TI821246	13	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TI821266	14	70	25	6	4.9	8	3	3.7
M5 x 0.8		TI821286	15	70	25	6	4.9	8	4	4.2
M6 x 1		TI821316	17	80	30	6	4.9	8	4	5
M7 x 1		TI821346	17	80	30	7	5.5	8	4	6
M8 x 1.25		TI821366	20	90	35	8	6.2	9	4	6.8
M9 x 1.25		TI821396	20	90	35	9	7	10	4	7.8
M10 x 1.5		TI821426	22	100	39	10	8	11	4	8.5
M11 x 1.5		TI821466	22	100	40	8	6.2	9	4	9.5
M12 x 1.75		TI821506	24	110	44	9	7	10	4	10.2
M14 x 2		TI821546	26	110	44	11	9	12	4	12
M16 x 2		TI821606	27	110	44	12	9	12	4	14
M18 x 2.5		TI821656	30	125	50	14	11	14	4	15.5
M20 x 2.5		TI821706	32	140	54	16	12	15	4	17.5
M22 x 2.5		TI821746	32	140	54	18	14.5	17	4	19.5
M24 x 3		TI821786	34	160	60	18	14.5	17	4	21
M27 x 3		TI821866	36	160	60	20	16	19	4	24
M30 x 3.5		TI821946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

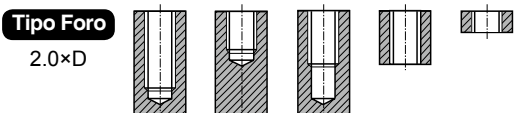
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

► Suitable for brass and short chip work materials.

► Adatto per maschiatura di Ottone e materiali a truciolo corto.



Ms

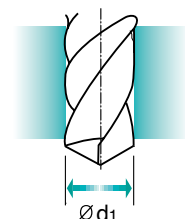
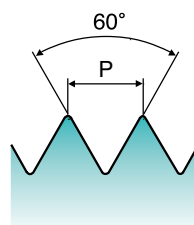
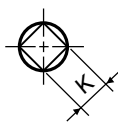
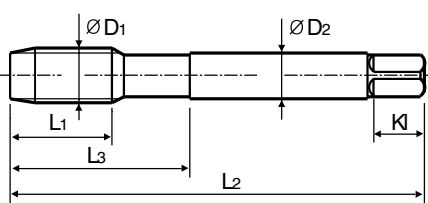
HSS-E

DIN 371/376

6H

60°

Lucido

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TC433136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TC433156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TC433196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TC433176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TC433496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TC433206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC433226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TC433246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC433266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TC433286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TC433316	17	80	30	6	4.9	8	3	5
M7	x 1	TC433346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TC433366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TC433396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TC433426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TC433466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TC433506	24	110	44	9	7	10	3	10.2
M14	x 2	TC433546	26	110	44	11	9	12	3	12
M16	x 2	TC433606	27	110	44	12	9	12	3	14
M18	x 2.5	TC433656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TC433706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TC433746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TC433786	34	160	60	18	14.5	17	4	21
M27	x 3	TC433866	36	160	60	20	16	19	4	24
M30	x 3.5	TC433946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP

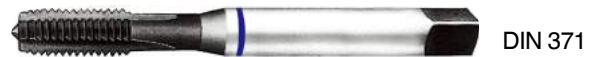
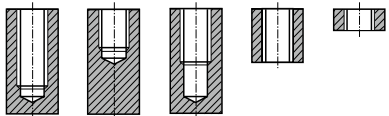
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for brass and short chip work materials.

► Adatto per maschiatura di Ottone e materiali a truciolo corto.

Tipo Foro

2.0xD



DIN 371



DIN 376

Gruppo Materiali

Ms

HSS-E

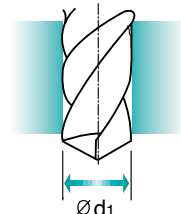
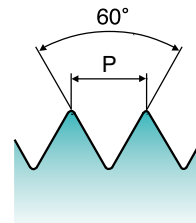
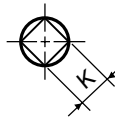
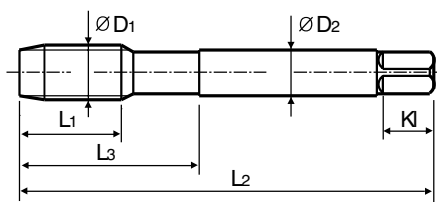
DIN
371/376

6HX

60°

C

NI

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2 x 0.4		TE443136	8	45	13	2.8	2.1	5	3	1.6
M2.2 x 0.45		TE443156	8	45	13	2.8	2.1	5	3	1.75
* M2.3 x 0.4		TE443196	8	45	13	2.8	2.1	5	3	1.9
M2.5 x 0.45		TE443176	9	50	15	2.8	2.1	5	3	2.05
* M2.6 x 0.45		TE443496	9	50	15	2.8	2.1	5	3	2.1
M3 x 0.5		TE443206	11	56	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		TE443226	12	56	20	4	3	6	3	2.9
M4 x 0.7		TE443246	13	63	21	4.5	3.4	6	3	3.3
M4.5 x 0.75		TE443266	14	70	25	6	4.9	8	3	3.7
M5 x 0.8		TE443286	15	70	25	6	4.9	8	3	4.2
M6 x 1		TE443316	17	80	30	6	4.9	8	3	5
M7 x 1		TE443346	17	80	30	7	5.5	8	3	6
M8 x 1.25		TE443366	20	90	35	8	6.2	9	3	6.8
M9 x 1.25		TE443396	20	90	35	9	7	10	3	7.8
M10 x 1.5		TE443426	22	100	39	10	8	11	3	8.5
M11 x 1.5		TE443466	22	100	40	8	6.2	9	3	9.5
M12 x 1.75		TE443506	24	110	44	9	7	10	3	10.2
M14 x 2		TE443546	26	110	44	11	9	12	3	12
M16 x 2		TE443606	27	110	44	12	9	12	3	14
M18 x 2.5		TE443656	30	125	50	14	11	14	4	15.5
M20 x 2.5		TE443706	32	140	54	16	12	15	4	17.5
M22 x 2.5		TE443746	32	140	54	18	14.5	17	4	19.5
M24 x 3		TE443786	34	160	60	18	14.5	17	4	21
M27 x 3		TE443866	36	160	60	20	16	19	4	24
M30 x 3.5		TE443946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

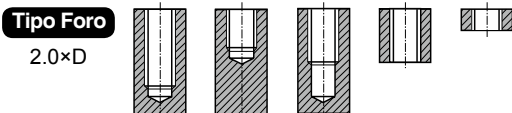
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

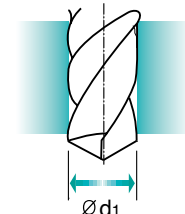
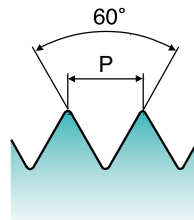
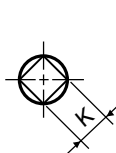
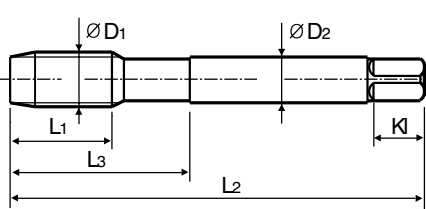
► Suitable for brass and short chip work materials.

► Adatto per maschiatura di Ottone e materiali a truciolo corto.



Ms Gruppo Materiali

HSS-E DIN 371/376 6H 60° C TiAlN

 Machine taps
Maschi a macchina


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	TiAlN	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2	x 0.4	TY433136	8	45	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	TY433156	8	45	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	TY433196	8	45	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	TY433176	9	50	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	TY433496	9	50	15	2.8	2.1	5	3	2.1
M3	x 0.5	TY433206	11	56	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TY433226	12	56	20	4	3	6	3	2.9
M4	x 0.7	TY433246	13	63	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TY433266	14	70	25	6	4.9	8	3	3.7
M5	x 0.8	TY433286	15	70	25	6	4.9	8	3	4.2
M6	x 1	TY433316	17	80	30	6	4.9	8	3	5
M7	x 1	TY433346	17	80	30	7	5.5	8	3	6
M8	x 1.25	TY433366	20	90	35	8	6.2	9	3	6.8
M9	x 1.25	TY433396	20	90	35	9	7	10	3	7.8
M10	x 1.5	TY433426	22	100	39	10	8	11	3	8.5
M11	x 1.5	TY433466	22	100	40	8	6.2	9	3	9.5
M12	x 1.75	TY433506	24	110	44	9	7	10	3	10.2
M14	x 2	TY433546	26	110	44	11	9	12	3	12
M16	x 2	TY433606	27	110	44	12	9	12	3	14
M18	x 2.5	TY433656	30	125	50	14	11	14	4	15.5
M20	x 2.5	TY433706	32	140	54	16	12	15	4	17.5
M22	x 2.5	TY433746	32	140	54	18	14.5	17	4	19.5
M24	x 3	TY433786	34	160	60	18	14.5	17	4	21
M27	x 3	TY433866	36	160	60	20	16	19	4	24
M30	x 3.5	TY433946	40	180	70	22	18	21	4	26.5

► DIN 371(M2~M10) e DIN 376(M11~M30)

► * Profilo DIN non ISO

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP

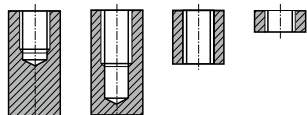


MF ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

► Suitable for tapping shallow holes.

► Adatto per maschiature di fori corti.

Tipo Foro
2.0×D



DIN 374

GS
Gruppo Materiali

HSS-E

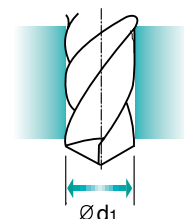
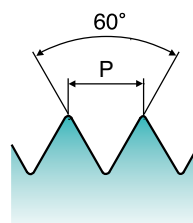
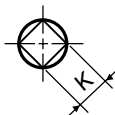
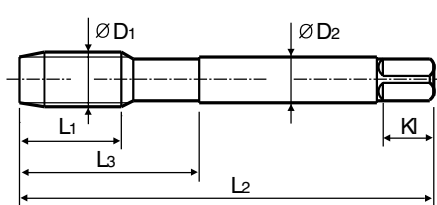
DIN 374

6H



Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TC473256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TC473296	11	70	25	3.5	2.7	6	3	4.5
M6	x 0.75	TC473326	13	80	30	4.5	3.4	6	3	5.2
M6	x 0.5	TC473336	13	80	30	4.5	3.4	6	3	5.5
M7	x 0.75	TC473356	14	80	30	5.5	4.3	7	3	6.2
M8	x 1	TC473376	17	90	36	6	4.9	8	3	7
M8	x 0.75	TC473386	14	80	30	6	4.9	8	3	7.2
M8	x 0.5	TC473936	14	80	30	6	4.9	8	3	7.5
M10	x 1.25	TC473436	22	100	40	7	5.5	8	3	8.8
M10	x 1	TC473446	18	90	36	7	5.5	8	3	9
M10	x 0.75	TC473456	18	90	36	7	5.5	8	3	9.2
M12	x 1.5	TC473516	22	100	40	9	7	10	3	10.5
M12	x 1.25	TC473526	22	100	40	9	7	10	3	10.8
M12	x 1	TC473536	18	100	40	9	7	10	3	11
M14	x 1.5	TC473556	22	100	40	11	9	12	3	12.5
M14	x 1.25	TC473566	22	100	40	11	9	12	3	12.8
M14	x 1	TC473576	18	100	40	11	9	12	3	13
M16	x 1.5	TC473616	22	100	40	12	9	12	3	14.5
M18	x 1.5	TC473676	25	110	44	14	11	14	4	16.5
M20	x 1.5	TC473726	25	125	50	16	12	15	4	18.5
M22	x 1.5	TC473766	25	125	50	18	14.5	17	4	20.5
M24	x 1.5	TC473806	27	140	54	18	14.5	17	4	22.5

Unità : N/mm²

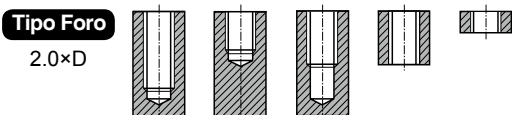
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○								○	○		
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
					○	○					○			

MF ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

► Suitable for tapping cast iron or similar work materials due to nitriding.

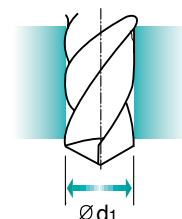
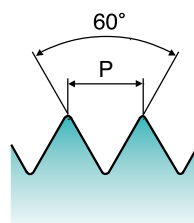
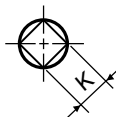
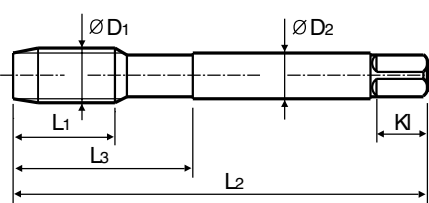
► Adatti per maschiatura di Ghisa o materiali simili grazie alla nitrurazione



GG Gruppo Materiali

HSS-E DIN 374 6HX 60° C NI

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.5	TE403256	10	63	21	2.8	2.1	5	3	3.5
M5	x 0.5	TE403296	11	70	25	3.5	2.7	6	4	4.5
M6	x 0.75	TE403326	13	80	30	4.5	3.4	6	4	5.2
M6	x 0.5	TE403336	13	80	30	4.5	3.4	6	4	5.5
M7	x 0.75	TE403356	14	80	30	5.5	4.3	7	4	6.2
M8	x 1	TE403376	17	90	36	6	4.9	8	4	7
M8	x 0.75	TE403386	14	80	30	6	4.9	8	4	7.2
M10	x 1.25	TE403436	22	100	40	7	5.5	8	4	8.8
M10	x 1	TE403446	18	90	36	7	5.5	8	4	9
M10	x 0.75	TE403456	18	90	36	7	5.5	8	4	9.2
M12	x 1.5	TE403516	22	100	40	9	7	10	4	10.5
M12	x 1.25	TE403526	22	100	40	9	7	10	4	10.8
M12	x 1	TE403536	18	100	40	9	7	10	4	11
M14	x 1.5	TE403556	22	100	40	11	9	12	4	12.5
M14	x 1.25	TE403566	22	100	40	11	9	12	4	12.8
M16	x 1.5	TE403616	22	100	40	12	9	12	4	14.5
M18	x 1.5	TE403676	25	110	44	14	11	14	4	16.5
M20	x 1.5	TE403726	25	125	50	16	12	15	4	18.5
M22	x 1.5	TE403766	25	125	50	18	14.5	17	4	20.5
M24	x 1.5	TE403806	27	140	54	18	14.5	17	4	22.5

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP



UNC

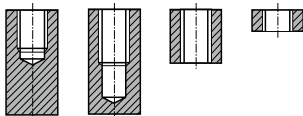
 Unified coarse threads
Unificato passo grosso

► Suitable for tapping shallow holes.

► Adatto per maschiature di fori corti.

Tipo Foro

2.0×D



DIN 371



DIN 376



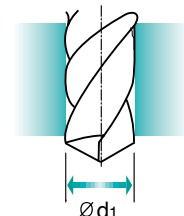
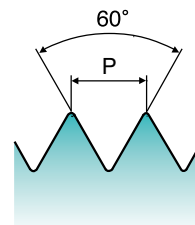
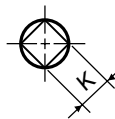
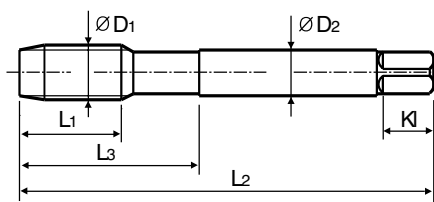
HSS-E

DIN
371/376

2B



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TC424162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TC424202	11	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TC424242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TC424282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TC424322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TC424362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TC424402	17	80	30	7	5.5	8	3	5.2
5/16	- 18 UNC	TC424442	20	90	35	8	6.2	9	3	6.6
3/8	- 16 UNC	TC424482	22	100	39	9	7	10	3	8
7/16	- 14 UNC	TC424522	22	100	40	8	6.2	9	3	9.4
1/2	- 13 UNC	TC424562	25	110	44	9	7	10	3	10.75
9/16	- 12 UNC	TC424602	26	110	44	11	9	12	3	12.25
5/8	- 11 UNC	TC424642	27	110	44	12	9	12	3	13.5
3/4	- 10 UNC	TC424702	30	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TC424742	32	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TC424782	36	160	60	20	16	19	4	22.25
1-1/8	- 7 UNC	TC424822	40	180	70	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1- 1/8)

Unità : N/mm²

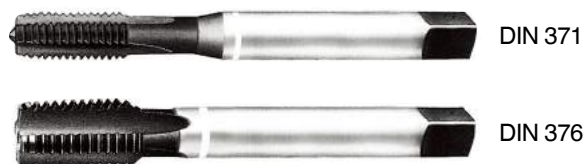
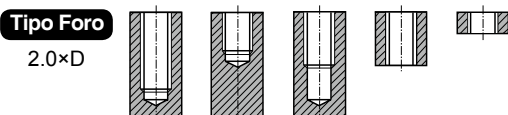
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○								○	○		
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
					○	○					○			

UNC Unified coarse threads
Unificato passo grosso

► Suitable for tapping cast iron or similar work materials due to nitriding.

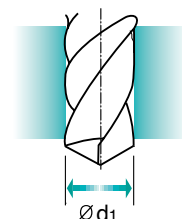
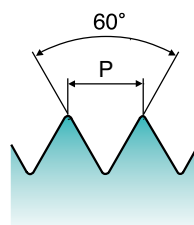
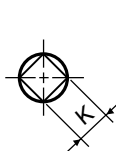
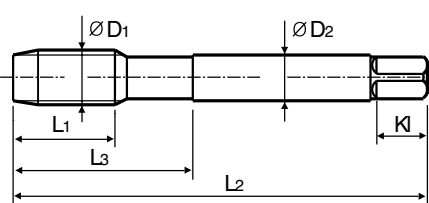
► Adatti per maschiatura di Ghisa o materiali simili grazie alla nitrurazione



GG Gruppo Materiali

HSS-E DIN 371/376 2BX 60° C NI

Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TE434162	11	56	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	TE434202	11	56	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	TE434242	12	56	20	4	3	6	3	2.85
#8	- 32 UNC	TE434282	13	63	21	4.5	3.4	6	3	3.5
#10	- 24 UNC	TE434322	15	70	25	6	4.9	8	3	3.9
#12	- 24 UNC	TE434362	16	80	30	6	4.9	8	3	4.5
1/4	- 20 UNC	TE434402	17	80	30	7	5.5	8	4	5.2
5/16	- 18 UNC	TE434442	20	90	35	8	6.2	9	4	6.6
3/8	- 16 UNC	TE434482	22	100	39	9	7	10	4	8
7/16	- 14 UNC	TE434522	22	100	40	8	6.2	9	4	9.4
1/2	- 13 UNC	TE434562	25	110	44	9	7	10	4	10.75
9/16	- 12 UNC	TE434602	26	110	44	11	9	12	4	12.25
5/8	- 11 UNC	TE434642	27	110	44	12	9	12	4	13.5
3/4	- 10 UNC	TE434702	30	125	50	14	11	14	4	16.5
7/8	- 9 UNC	TE434742	32	140	54	18	14.5	17	4	19.5
1	- 8 UNC	TE434782	36	160	60	20	16	17	4	22.25
1-1/8	- 7 UNC	TE434822	40	180	70	22	18	21	4	25

► DIN 371(#4~3/8) e DIN 376(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP



UNF

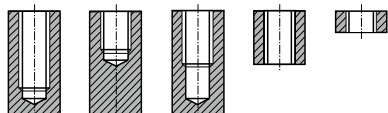
 Unified fine threads
Unificato passo fine

► Suitable for tapping cast iron or similar work materials due to nitriding.

► Adatti per maschiatura di Ghisa o materiali simili grazie alla nitrurazione

Tipo Foro

2.0×D



DIN 371



DIN 374



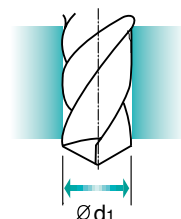
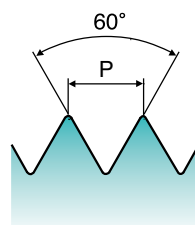
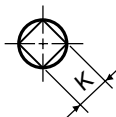
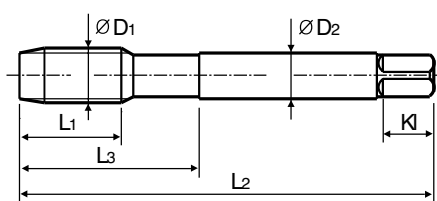
HSS-E

DIN
371/374

2BX



NI

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Ni	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	TE454182	11	56	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	TE454222	11	56	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	TE454262	12	56	20	4	3	6	3	3
#8	- 36 UNF	TE454302	13	63	21	4.5	3.4	6	3	3.5
#10	- 32 UNF	TE454342	15	70	25	6	4.9	8	3	4.1
#12	- 28 UNF	TE454382	16	80	30	6	4.9	8	4	4.7
1/4	- 28 UNF	TE454422	17	80	30	7	5.5	8	4	5.5
5/16	- 24 UNF	TE454462	17	90	35	8	6.2	9	4	6.9
3/8	- 24 UNF	TE454502	18	100	39	9	7	10	4	8.5
7/16	- 20 UNF	TE454542	22	100	40	8	6.2	9	4	9.9
1/2	- 20 UNF	TE454582	22	100	40	9	7	10	4	11.5
9/16	- 18 UNF	TE454622	22	100	40	11	9	12	4	12.9
5/8	- 18 UNF	TE454662	22	100	40	12	9	12	4	14.5
3/4	- 16 UNF	TE454722	25	110	44	14	11	14	4	17.5
7/8	- 14 UNF	TE454762	26	125	50	18	14.5	17	4	20.5
1	- 12 UNF	TE454802	28	140	54	20	16	17	4	23.25
1-1/8	- 12 UNF	TE454842	30	150	60	22	18	21	4	26.5

► DIN 371(#4~3/8) e DIN 374(7/16~1-1/8)

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
									◎	◎				
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
					○									◎

HSS



Migliorare attraverso l'innovazione



MASCHI A RULLARE

- Tapping by Forming Soft Materials, HSS-E & HSS-PM

- Maschiatura di materiali a facile deformabilità (HSS-E & HSS-PM)















GUIDA ALLA SELEZIONE

MASCHI A RULLARE

Maschiatura di materiali a facile deformabilità (HSS-E & HSS-PM)

MASCHI A RULLARE

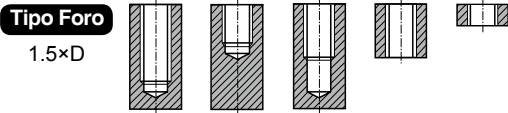
◆ SYNCHRO TYPE

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento superficiale	PAG.
◆ TTS37		HSS-PM	M	GV	DIN 371/376	6HX	C	1.5D	TiN	549
TQ703		HSS-PM	M	GV	DIN 371/376	6HX	C	3.0D	Vap	550
TQ723		HSS-PM	M	GV	DIN 371/376	6HX	C	1.5D	Vap	551
TE703		HSS-E	M	GV	DIN 371/376	6HX	C	3.0D	NI	552
TE713		HSS-E	M	GV	DIN 371/376	6GX	C	3.0D	NI	553
TE723		HSS-E	M	GV	DIN 371/376	6HX	C	1.5D	NI	554
TD713		HSS-E	M	GV	DIN 371/376	6GX	C	3.0D	TiN	555
TD723		HSS-E	M	GV	DIN 371/376	6HX	C	1.5D	TiN	556
TD703		HSS-E	M	GV	DIN 371/376	6HX	C	3.0D	TiN	557
TY703		HSS-E	M	GV	DIN 371/376	6HX	C	3.0D	TiAlN	558
TE733		HSS-E	MF	GV	DIN 374	6HX	C	3.0D	NI	559
TD733		HSS-E	MF	GV	DIN 374	6HX	C	3.0D	TiN	560
TE704		HSS-E	UNC	GV	DIN 371/376	2BX	C	3.0D	NI	561
TD704		HSS-E	UNC	GV	DIN 371/376	2BX	C	3.0D	TiN	562

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

► Suitable for high speed machining and high precision threads

► Adatto a lavorazioni in alta velocità e filettature ad elevata precisione



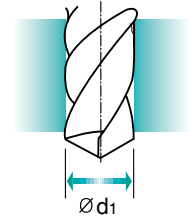
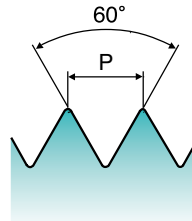
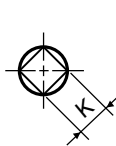
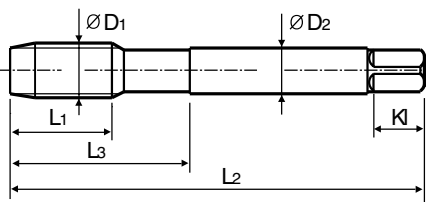
DIN 371/376

Synchro Type

Possibilità di incrementare di 2 o 3 volte le velocità di taglio normalmente consigliate per il gruppo GS

Gruppo Materiali **GV** **HSS-PM** **DIN 371/376** **6HX** **60°** **C** **TiN**

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Ød1
M3	x 0.5	TTS37206	5	56	18	3.5	2.7	6	2.8
M4	x 0.7	TTS37246	7	63	21	4.5	3.4	6	3.7
M5	x 0.8	TTS37286	8	70	25	6	4.9	8	4.65
M6	x 1	TTS37316	10	80	30	6	4.9	8	5.55
M8	x 1.25	TTS37366	13	90	35	8	6.2	9	7.4
M10	x 1.5	TTS37426	15	100	39	10	8	11	9.3
M12	x 1.75	TTS37506	18	110	44	9	7	10	11.2

► DIN371 (M3~M10) e DIN376 (M11~M12)

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

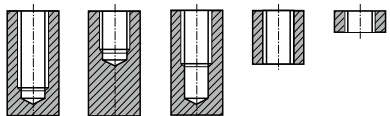


M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

- Suitable for threading soft materials with at least 8-10% elongation in the best substrate.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.

Tipo Foro
3.0×D



Gruppo Materiali
GV

HSS-PM

DIN 371/376

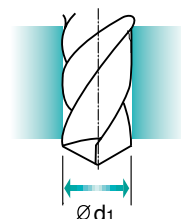
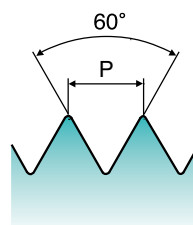
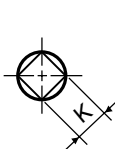
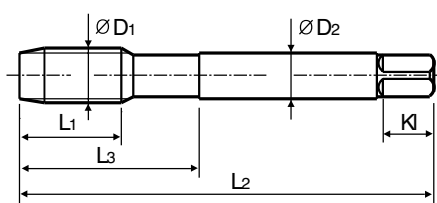
6HX

60°

C

Vap

Cold forming taps with oil grooves
Maschi a rullare con canalini di lubrificazione



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TQ703136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TQ703156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TQ703196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TQ703176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TQ703496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TQ703206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TQ703226	12	56	20	4	3	6	3.25
M4	x 0.7	TQ703246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TQ703266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TQ703286	15	70	25	6	4.9	8	4.65
M6	x 1	TQ703316	17	80	30	6	4.9	8	5.55
M7	x 1	TQ703346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TQ703366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TQ703396	20	90	35	9	7	10	8.4
M10	x 1.5	TQ703426	22	100	39	10	8	11	9.3
M11	x 1.5	TQ703466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TQ703506	24	110	44	9	7	10	11.2
M14	x 2	TQ703546	26	110	44	11	9	12	13
M16	x 2	TQ703606	27	110	44	12	9	12	15
M18	x 2.5	TQ703656	30	125	50	14	11	14	16.8
M20	x 2.5	TQ703706	32	140	54	16	12	15	18.8

► DIN 371(M2~M10) e DIN 376(M11~M20)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

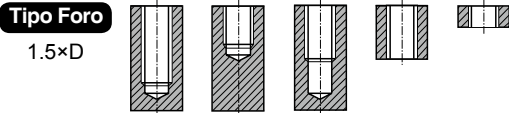
⊙ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
⊙	⊙	⊙	⊙	⊙	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

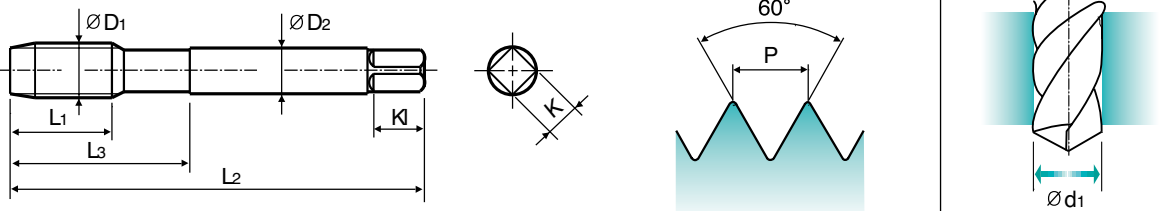
- Suitable for threading soft materials with at least 8-10% elongation in the best substrate.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.



Gruppo Materiali **GV** **HSS-PM** **DIN 371/376** **6HX** **60°** **C** **Vap**

Cold forming taps
Maschi a rullare



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	Vap	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TQ723136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TQ723156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TQ723196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TQ723176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TQ723496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TQ723206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TQ723226	12	56	20	4	3	6	3.25
M4	x 0.7	TQ723246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TQ723266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TQ723286	15	70	25	6	4.9	8	4.65
M6	x 1	TQ723316	17	80	30	6	4.9	8	5.55
M7	x 1	TQ723346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TQ723366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TQ723396	20	90	35	9	7	10	8.4
M10	x 1.5	TQ723426	22	100	39	10	8	11	9.3
M11	x 1.5	TQ723466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TQ723506	24	110	44	9	7	10	11.2
M14	x 2	TQ723546	26	110	44	11	9	12	13
M16	x 2	TQ723606	27	110	44	12	9	12	15
M18	x 2.5	TQ723656	30	125	50	14	11	14	16.8
M20	x 2.5	TQ723706	32	140	54	16	12	15	18.8

- DIN 371(M2~M10) e DIN 376(M11~M20)
- * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoisolur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

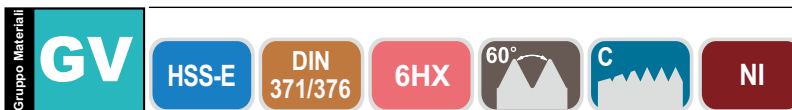
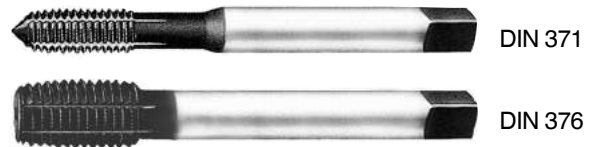
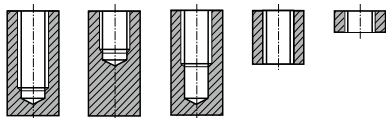


M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

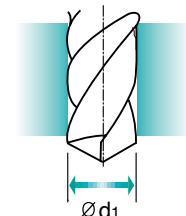
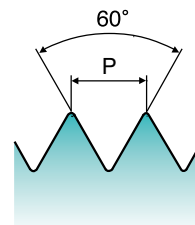
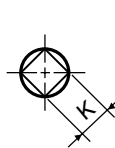
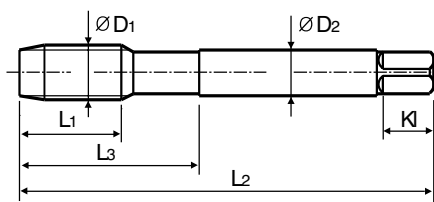
- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.

Tipo Foro
3.0×D



Cold forming taps with oil grooves
Maschi a rullare con canalini di lubrificazione



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TE703136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TE703156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TE703196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TE703176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TE703496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TE703206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TE703226	12	56	20	4	3	6	3.25
M4	x 0.7	TE703246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TE703266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TE703286	15	70	25	6	4.9	8	4.65
M6	x 1	TE703316	17	80	30	6	4.9	8	5.55
M7	x 1	TE703346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TE703366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TE703396	20	90	35	9	7	10	8.4
M10	x 1.5	TE703426	22	100	39	10	8	11	9.3
M11	x 1.5	TE703466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TE703506	24	110	44	9	7	10	11.2
M14	x 2	TE703546	26	110	44	11	9	12	13
M16	x 2	TE703606	27	110	44	12	9	12	15
M18	x 2.5	TE703656	30	125	50	14	11	14	16.8
M20	x 2.5	TE703706	32	140	54	16	12	15	18.8

► DIN 371(M2~M10) e DIN 376(M11~M20)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

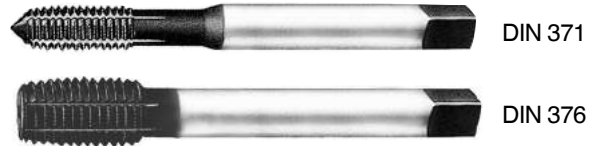
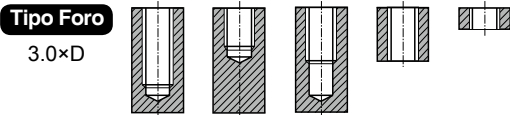
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

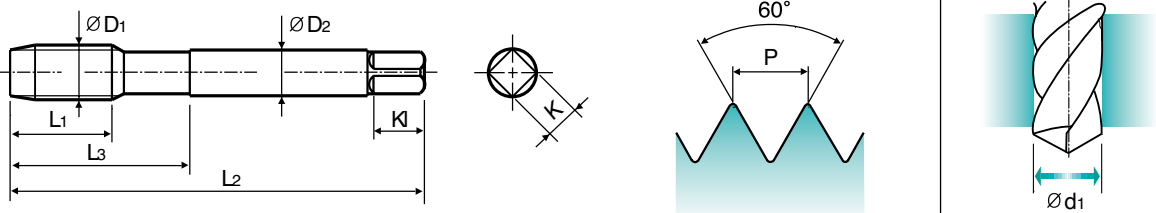
- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.



Gruppo Materiali **GV** HSS-E DIN 371/376 6GX 60° C NI

Cold forming taps with oil grooves
Maschi a rullare con canali di lubrificazione



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TE713136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TE713156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TE713196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TE713176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TE713496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TE713206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TE713226	12	56	20	4	3	6	3.25
M4	x 0.7	TE713246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TE713266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TE713286	15	70	25	6	4.9	8	4.65
M6	x 1	TE713316	17	80	30	6	4.9	8	5.55
M7	x 1	TE713346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TE713366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TE713396	20	90	35	9	7	10	8.4
M10	x 1.5	TE713426	22	100	39	10	8	11	9.3
M11	x 1.5	TE713466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TE713506	24	110	44	9	7	10	11.2
M14	x 2	TE713546	26	110	44	11	9	12	13
M16	x 2	TE713606	27	110	44	12	9	12	15
M18	x 2.5	TE713656	30	125	50	14	11	14	16.8
M20	x 2.5	TE713706	32	140	54	16	12	15	18.8

- DIN 371(M2~M10) e DIN 376(M11~M20)
- * Profilo DIN non ISO

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

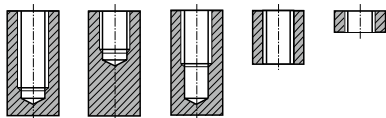
**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.

Tipo Foro

1.5×D



DIN 371

DIN 376

Gruppo Materiali

GV

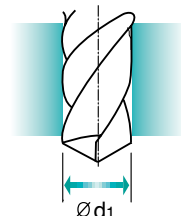
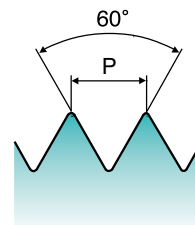
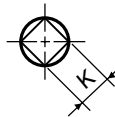
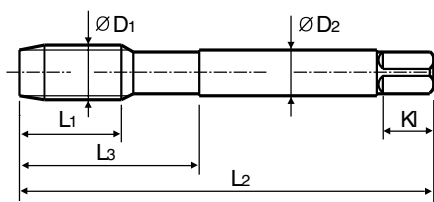
HSS-E

DIN 371/376

6HX



NI

Cold forming taps
Maschi a rullare

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TE723136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TE723156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TE723196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TE723176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TE723496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TE723206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TE723226	12	56	20	4	3	6	3.25
M4	x 0.7	TE723246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TE723266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TE723286	15	70	25	6	4.9	8	4.65
M6	x 1	TE723316	17	80	30	6	4.9	8	5.55
M7	x 1	TE723346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TE723366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TE723396	20	90	35	9	7	10	8.4
M10	x 1.5	TE723426	22	100	39	10	8	11	9.3
M11	x 1.5	TE723466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TE723506	24	110	44	9	7	10	11.2
M14	x 2	TE723546	26	110	44	11	9	12	13
M16	x 2	TE723606	27	110	44	12	9	12	15
M18	x 2.5	TE723656	30	125	50	14	11	14	16.8
M20	x 2.5	TE723706	32	140	54	16	12	15	18.8

► DIN 371(M2~M10) e DIN 376(M11~M20)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

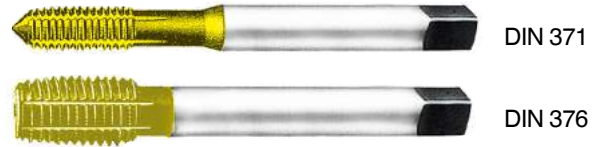
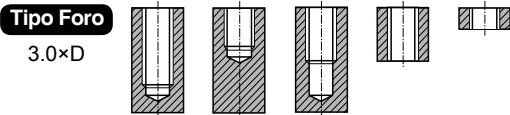
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎										○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
	◎			○		○		◎	◎	○				

M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

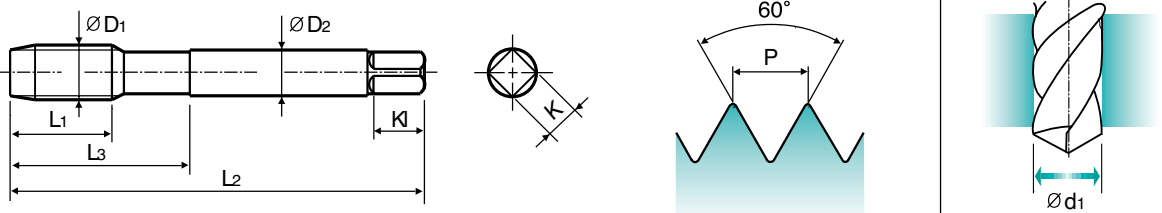
- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.



Gruppo Materiali **GV** HSS-E DIN 371/376 6GX 60° C TiN

Cold forming taps with oil grooves
Maschi a rullare con canali di lubrificazione



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Ød1
M2 x 0.4		TD713136	8	45	13	2.8	2.1	5	1.83
M2.2 x 0.45		TD713156	8	45	13	2.8	2.1	5	2
* M2.3 x 0.4		TD713196	8	45	13	2.8	2.1	5	2.1
M2.5 x 0.45		TD713176	9	50	15	2.8	2.1	5	2.3
* M2.6 x 0.45		TD713496	9	50	15	2.8	2.1	5	2.4
M3 x 0.5		TD713206	11	56	18	3.5	2.7	6	2.8
M3.5 x 0.6		TD713226	12	56	20	4	3	6	3.25
M4 x 0.7		TD713246	13	63	21	4.5	3.4	6	3.7
M4.5 x 0.75		TD713266	14	70	25	6	4.9	8	4.15
M5 x 0.8		TD713286	15	70	25	6	4.9	8	4.65
M6 x 1		TD713316	17	80	30	6	4.9	8	5.55
M7 x 1		TD713346	17	80	30	7	5.5	8	6.55
M8 x 1.25		TD713366	20	90	35	8	6.2	9	7.4
M9 x 1.25		TD713396	20	90	35	9	7	10	8.4
M10 x 1.5		TD713426	22	100	39	10	8	11	9.3
M11 x 1.5		TD713466	22	100	40	8	6.2	9	10.3
M12 x 1.75		TD713506	24	110	44	9	7	10	11.2
M14 x 2		TD713546	26	110	44	11	9	12	13
M16 x 2		TD713606	27	110	44	12	9	12	15
M18 x 2.5		TD713656	30	125	50	14	11	14	16.8
M20 x 2.5		TD713706	32	140	54	16	12	15	18.8

- DIN 371(M2~M10) e DIN 376(M11~M20)
- * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



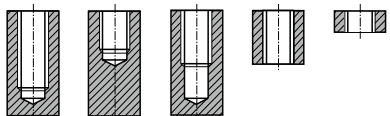
M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.

Tipo Foro

1.5×D



DIN 371

DIN 376

Gruppo Materiali

GV

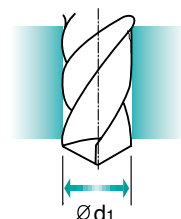
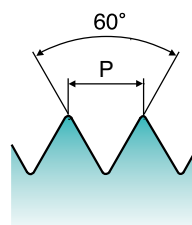
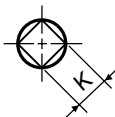
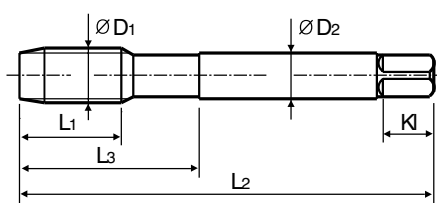
HSS-E

DIN 371/376

6HX



TiN

Cold forming taps
Maschi a rullare

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TD723136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TD723156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TD723196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TD723176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TD723496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TD723206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TD723226	12	56	20	4	3	6	3.25
M4	x 0.7	TD723246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TD723266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TD723286	15	70	25	6	4.9	8	4.65
M6	x 1	TD723316	17	80	30	6	4.9	8	5.55
M7	x 1	TD723346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TD723366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TD723396	20	90	35	9	7	10	8.4
M10	x 1.5	TD723426	22	100	39	10	8	11	9.3
M11	x 1.5	TD723466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TD723506	24	110	44	9	7	10	11.2
M14	x 2	TD723546	26	110	44	11	9	12	13
M16	x 2	TD723606	27	110	44	12	9	12	15
M18	x 2.5	TD723656	30	125	50	14	11	14	16.8
M20	x 2.5	TD723706	32	140	54	16	12	15	18.8

► DIN 371(M2~M10) e DIN 376(M11~M20)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

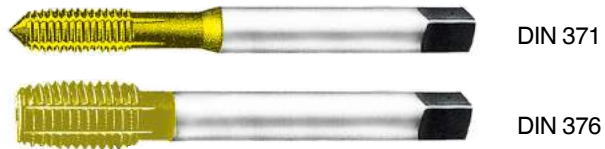
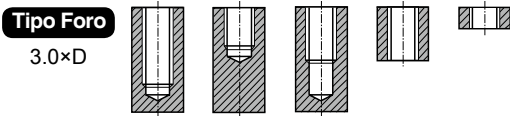
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

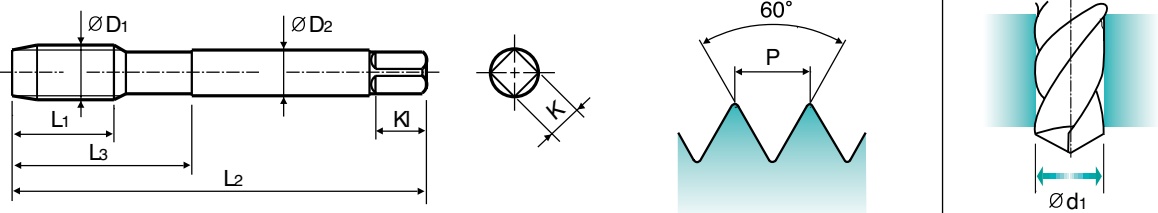
- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.



Gruppo Materiali **GV** HSS-E DIN 371/376 6HX 60° C TiN

Cold forming taps with oil grooves
Maschi a rullare con canali di lubrificazione



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TD703136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TD703156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TD703196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TD703176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TD703496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TD703206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TD703226	12	56	20	4	3	6	3.25
M4	x 0.7	TD703246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TD703266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TD703286	15	70	25	6	4.9	8	4.65
M6	x 1	TD703316	17	80	30	6	4.9	8	5.55
M7	x 1	TD703346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TD703366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TD703396	20	90	35	9	7	10	8.4
M10	x 1.5	TD703426	22	100	39	10	8	11	9.3
M11	x 1.5	TD703466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TD703506	24	110	44	9	7	10	11.2
M14	x 2	TD703546	26	110	44	11	9	12	13
M16	x 2	TD703606	27	110	44	12	9	12	15
M18	x 2.5	TD703656	30	125	50	14	11	14	16.8
M20	x 2.5	TD703706	32	140	54	16	12	15	18.8

- DIN 371(M2~M10) e DIN 376(M11~M20)
- * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

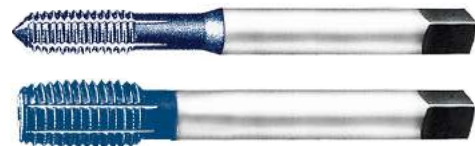
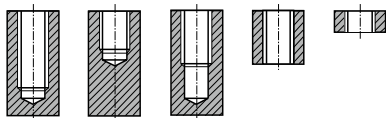


M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.

Tipo Foro
3.0×D



DIN 371

DIN 376

Gruppo Materiali

GV

HSS-E

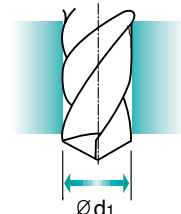
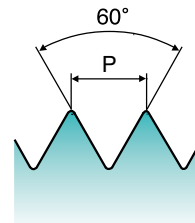
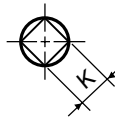
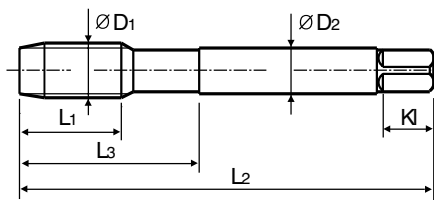
DIN 371/376

6HX



TiAIN

Cold forming taps with oil grooves
Maschi a rullare con canali di lubrificazione



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	TiAIN	L1	L2	L3	ØD2	K	KI	Ød1
M2	x 0.4	TY703136	8	45	13	2.8	2.1	5	1.83
M2.2	x 0.45	TY703156	8	45	13	2.8	2.1	5	2
* M2.3	x 0.4	TY703196	8	45	13	2.8	2.1	5	2.1
M2.5	x 0.45	TY703176	9	50	15	2.8	2.1	5	2.3
* M2.6	x 0.45	TY703496	9	50	15	2.8	2.1	5	2.4
M3	x 0.5	TY703206	11	56	18	3.5	2.7	6	2.8
M3.5	x 0.6	TY703226	12	56	20	4	3	6	3.25
M4	x 0.7	TY703246	13	63	21	4.5	3.4	6	3.7
M4.5	x 0.75	TY703266	14	70	25	6	4.9	8	4.15
M5	x 0.8	TY703286	15	70	25	6	4.9	8	4.65
M6	x 1	TY703316	17	80	30	6	4.9	8	5.55
M7	x 1	TY703346	17	80	30	7	5.5	8	6.55
M8	x 1.25	TY703366	20	90	35	8	6.2	9	7.4
M9	x 1.25	TY703396	20	90	35	9	7	10	8.4
M10	x 1.5	TY703426	22	100	39	10	8	11	9.3
M11	x 1.5	TY703466	22	100	40	8	6.2	9	10.3
M12	x 1.75	TY703506	24	110	44	9	7	10	11.2
M14	x 2	TY703546	26	110	44	11	9	12	13
M16	x 2	TY703606	27	110	44	12	9	12	15
M18	x 2.5	TY703656	30	125	50	14	11	14	16.8
M20	x 2.5	TY703706	32	140	54	16	12	15	18.8

► DIN 371(M2~M10) e DIN 376(M11~M20)

► * Profilo DIN non ISO

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

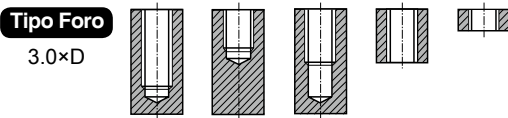
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
◎	◎	◎	◎										◎	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
	◎			◎		○		◎		○				

MF ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

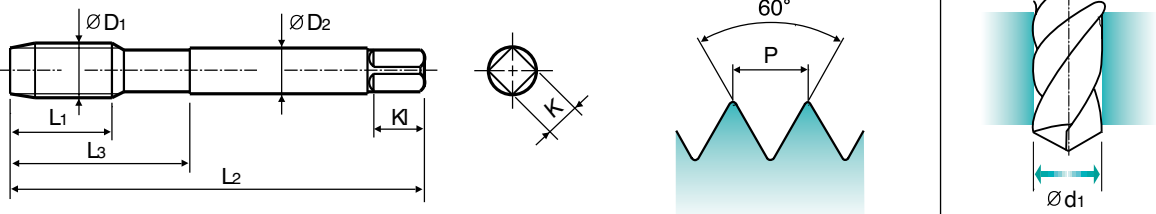
- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.



Gruppo Materiali **GV** **HSS-E** **DIN 374** **6HX** **60°** **C** **NI**

Cold forming taps with oil grooves
Maschi a rullare con canali di lubrificazione



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	Ni	L1	L2	L3	ØD2	K	KI	Ød1
M4	x 0.5	TE733256	10	63	21	2.8	2.1	5	3.75
M5	x 0.5	TE733296	11	70	25	3.5	2.7	6	4.75
M6	x 0.75	TE733326	13	80	30	4.5	3.4	6	5.65
M6	x 0.5	TE733336	13	80	30	4.5	3.4	6	5.75
M7	x 0.75	TE733356	14	80	30	5.5	4.3	7	6.65
M8	x 1	TE733376	17	90	36	6	4.9	8	7.5
M8	x 0.75	TE733386	14	80	30	6	4.9	8	7.65
M10	x 1.25	TE733436	22	100	40	7	5.5	8	9.4
M10	x 1	TE733446	18	90	36	7	5.5	8	9.5
M10	x 0.75	TE733456	18	90	36	7	5.5	8	9.65
M12	x 1.5	TE733516	22	100	40	9	7	10	11.25
M12	x 1.25	TE733526	22	100	40	9	7	10	11.4
M12	x 1	TE733536	18	100	40	9	7	10	11.5
M14	x 1.5	TE733556	22	100	40	11	9	12	13.25
M14	x 1.25	TE733566	22	100	40	11	9	12	13.4
M16	x 1.5	TE733616	22	100	40	12	9	12	15.25
M18	x 1.5	TE733676	25	110	44	14	11	14	17.25
M20	x 1.5	TE733726	25	125	50	16	12	15	19.25

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

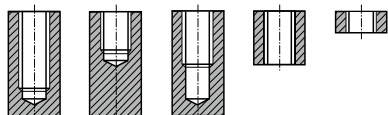
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

**MF** ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.

Tipo Foro
3.0×D

DIN 374



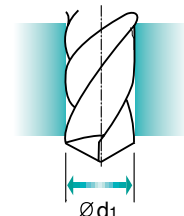
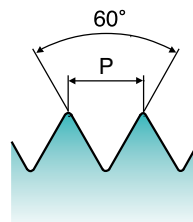
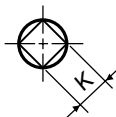
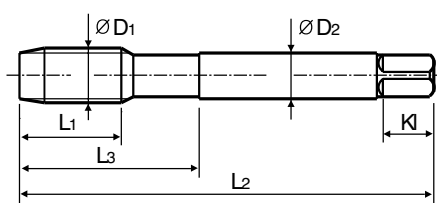
HSS-E

DIN 374

6HX



TiN

Cold forming taps with oil grooves
Maschi a rullare con canalini di lubrificazione

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1	P	TiN	L1	L2	L3	ØD2	K	Kl	Ød1
M4	x 0.5	TD733256	10	63	21	2.8	2.1	5	3.75
M5	x 0.5	TD733296	11	70	25	3.5	2.7	6	4.75
M6	x 0.75	TD733326	13	80	30	4.5	3.4	6	5.65
M6	x 0.5	TD733336	13	80	30	4.5	3.4	6	5.75
M7	x 0.75	TD733356	14	80	30	5.5	4.3	7	6.65
M8	x 1	TD733376	17	90	36	6	4.9	8	7.5
M8	x 0.75	TD733386	14	80	30	6	4.9	8	7.65
M10	x 1.25	TD733436	22	100	40	7	5.5	8	9.4
M10	x 1	TD733446	18	90	36	7	5.5	8	9.5
M10	x 0.75	TD733456	18	90	36	7	5.5	8	9.65
M12	x 1.5	TD733516	22	100	40	9	7	10	11.25
M12	x 1.25	TD733526	22	100	40	9	7	10	11.4
M12	x 1	TD733536	18	100	40	9	7	10	11.5
M14	x 1.5	TD733556	22	100	40	11	9	12	13.25
M14	x 1.25	TD733566	22	100	40	11	9	12	13.4
M16	x 1.5	TD733616	22	100	40	12	9	12	15.25
M18	x 1.5	TD733676	25	110	44	14	11	14	17.25
M20	x 1.5	TD733726	25	125	50	16	12	15	19.25

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

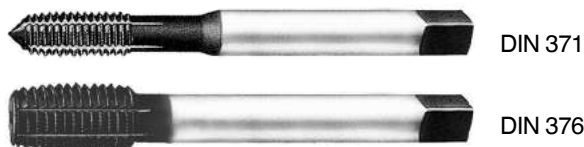
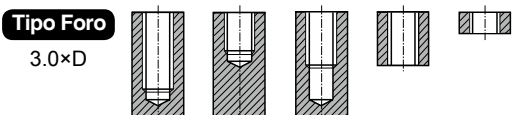
◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

UNC Unified coarse threads
Unificato passo grosso

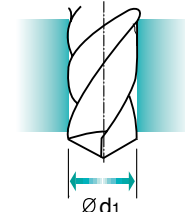
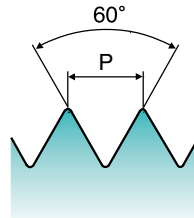
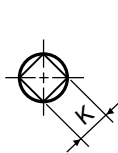
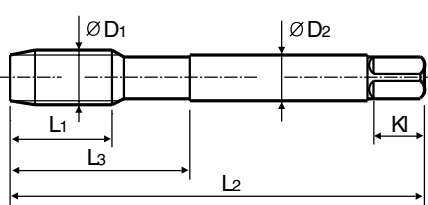
- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.



Gruppo Materiali **GV** **HSS-E** **DIN 371/376** **2BX** **60°** **C** **NI**

Cold forming taps with oil grooves
Maschi a rullare con canali di lubrificazione



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1		Ni	L1	L2	L3	ØD2	K	KI	Ød1
#5	- 40 UNC	TE704202	11	56	18	3.5	2.7	6	2.87
#6	- 32 UNC	TE704242	12	56	20	4	3	6	3.1
#8	- 32 UNC	TE704282	13	63	21	4.5	3.4	6	3.8
#10	- 24 UNC	TE704322	15	70	25	6	4.9	8	4.3
#12	- 24 UNC	TE704362	16	80	30	6	4.9	8	4.95
1/4	- 20 UNC	TE704402	17	80	30	7	5.5	8	5.75
5/16	- 18 UNC	TE704442	20	90	35	8	6.2	9	7.25
3/8	- 16 UNC	TE704482	22	100	39	9	7	10	8.75
7/16	- 14 UNC	TE704522	22	100	40	8	6.2	9	10.2
1/2	- 13 UNC	TE704562	25	110	44	9	7	10	11.7
9/16	- 12 UNC	TE704602	26	110	40	11	9	12	13.2
5/8	- 11 UNC	TE704642	27	110	44	12	9	12	14.7
3/4	- 10 UNC	TE704702	30	125	50	14	11	14	17.8

► DIN 371(#4~3/8) e DIN 376(7/16~3/4)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
◎	◎	◎	◎					○					○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoidur.	Plastica CFRP
	◎			○		○		◎		○				



UNC

Unified coarse threads

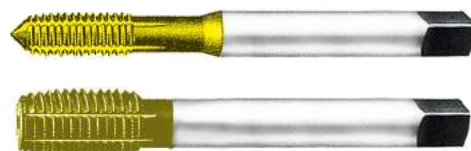
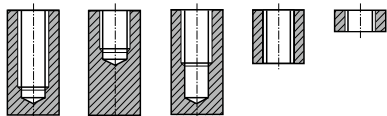
Unificato passo grosso

- Suitable for threading soft materials with at least 8-10% elongation.
- The pre-drilling holes are bigger than normal Dim.d holes.

- Adatto per filettature su materiali a facile deformabilità con percentuale di allungamento 8-10%.
- Prefori maggiorati rispetto ai diametri nominali standard.

Tipo Foro

3.0×D



DIN 371

DIN 376

Gruppo Materiali

GV

HSS-E

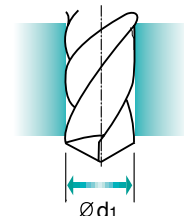
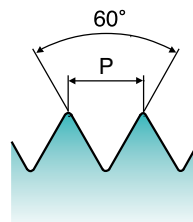
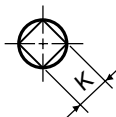
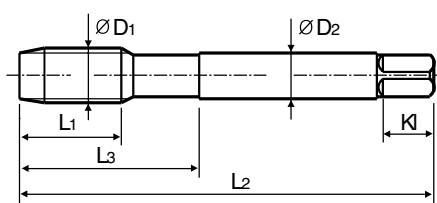
DIN 371/376

2BX



TiN

Cold forming taps with oil grooves
Maschi a rullare con canalini di lubrificazione



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	Diametro Preforo
ØD1		TiN	L1	L2	L3	ØD2	K	KI	Ød1
#5	- 40 UNC	TD704202	11	56	18	3.5	2.7	6	2.87
#6	- 32 UNC	TD704242	12	56	20	4	3	6	3.1
#8	- 32 UNC	TD704282	13	63	21	4.5	3.4	6	3.8
#10	- 24 UNC	TD704322	15	70	25	6	4.9	8	4.3
#12	- 24 UNC	TD704362	16	80	30	6	4.9	8	4.95
1/4	- 20 UNC	TD704402	17	80	30	7	5.5	8	5.75
5/16	- 18 UNC	TD704442	20	90	35	8	6.2	9	7.25
3/8	- 16 UNC	TD704482	22	100	39	9	7	10	8.75
7/16	- 14 UNC	TD704522	22	100	40	8	6.2	9	10.2
1/2	- 13 UNC	TD704562	25	110	44	9	7	10	11.7
9/16	- 12 UNC	TD704602	26	110	40	11	9	12	13.2
5/8	- 11 UNC	TD704642	27	110	44	12	9	12	14.7
3/4	- 10 UNC	TD704702	30	125	50	14	11	14	17.8

- DIN 371(#4~3/8) e DIN 376(7/16~3/4)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

HSS



Migliorare attraverso l'innovazione



MASCHI PER DADI

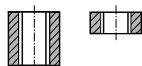
- Nut Tapping Machines

- Maschi per dadi

**M** ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

Tipo Foro

2.0xD



DIN 357

Gruppo Materiali
GS

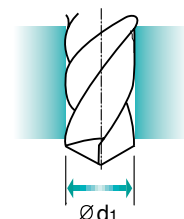
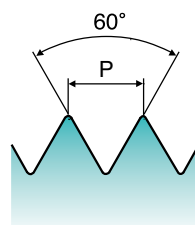
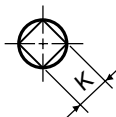
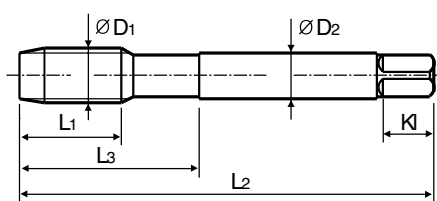
HSS-E

DIN
357

6H



Lucido

Nut taps
Maschi per dadi

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M4	x 0.7	TC803246	25	90	45	2.8	2.1	5	3	3.3
M5	x 0.8	TC803286	28	100	50	3.5	2.7	6	3	4.2
M6	x 1	TC803316	32	110	55	4.5	3.4	6	3	5
M7	x 1	TC803346	36	110	55	5.5	4.3	7	3	6
M8	x 1.25	TC803366	40	125	62	6	4.9	8	3	6.8
M10	x 1.5	TC803426	45	140	70	7	5.5	8	3	8.5
M12	x 1.75	TC803506	50	180	90	9	7	10	3	10.2
M14	x 2	TC803546	56	200	100	11	9	12	4	12
M16	x 2	TC803606	63	200	100	12	9	12	4	14
M18	x 2.5	TC803656	63	220	110	14	11	14	4	15.5
M20	x 2.5	TC803706	70	250	125	16	12	15	4	17.5

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○								○	○		
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
					○	○					○			

HSS



Migliorare attraverso l'innovazione







MASCHI PER HELICOIL

GUIDA ALLA SELEZIONE

MASCHI PER HELICOIL

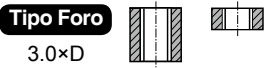
MASCHI PER HELICOIL

CODICE	FOTO	Materiale di base	Filettatura	Gruppi materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento superficiale	PAG.
TC973		HSS-E	EG-M	AI	DIN 371/376	6H Mod.	B	3.0D	Lucido	567
TC909		HSS-E	EG-M	AI	DIN 371/376	6H Mod.	C	2.5D	Lucido	568
TC934		HSS-E	EG-UNC	AI	DIN 371/376	2B	B	3.0D	Lucido	569
TC944		HSS-E	EG-UNC	AI	DIN 371/376	2B	C	2.5D	Lucido	570
TC954		HSS-E	EG-UNF	AI	DIN 371/374	2B	B	3.0D	Lucido	571

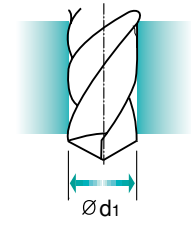
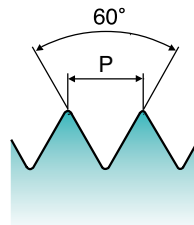
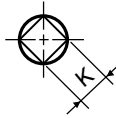
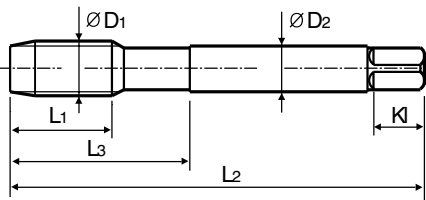
EG-M ISO Metric coarse threads for Screw Thread insert
ISO Metrico passo grosso per Helicoil

► Wire insert threads are used for increasing fastening strength in soft materials.

► Per realizzazione di filettature predisposte all'alloggiamento di spirali helicoil. Notevole incremento della forza di serraggio su materiali a facile deformabilità.



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2.5 x 0.45		TC973176	11	56	18	3.5	2.7	6	3	2.65
M3 x 0.5		TC973206	10	63	21	4.5	3.4	6	3	3.15
M3.5 x 0.6		TC973226	14	70	25	6	4.9	8	3	3.7
M4 x 0.7		TC973246	13	70	25	6	4.9	8	3	4.2
M5 x 0.8		TC973286	13	80	30	6	4.9	8	3	5.25
M6 x 1		TC973316	17	90	35	8	6.2	9	3	6.3
M8 x 1.25		TC973366	18	100	39	10	8	11	3	8.4
M10 x 1.5		TC973426	22	110	44	9	7	10	3	10.4
M12 x 1.75		TC973506	26	110	44	11	9	12	3	12.5
M14 x 2		TC973546	27	110	44	12	9	12	3	14.5
M16 x 2		TC973606	30	125	50	14	11	14	4	16.5
M18 x 2.5		TC973656	32	140	54	18	14.5	17	4	18.75
M20 x 2.5		TC973706	34	160	60	18	14.5	17	4	20.75

► DIN 371(M2.5~M8) e DIN 376(M10~M20)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○											○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHIA RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHIA A MANO
- MASCHI PER TUBI

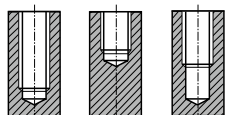
**EG-M****ISO Metric coarse threads for Screw Thread insert**
ISO Metrico passo grosso per Helicoil

► Wire insert threads are used for increasing fastening strength in soft materials.

► Per realizzazione di filettature predisposte all'alloggiamento di spirali helicoil. Notevole incremento della forza di serraggio su materiali a facile deformabilità.

Tipo Foro

2.5×D



DIN 371



DIN 376

Gruppo Materiali

AI

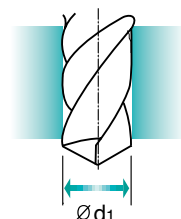
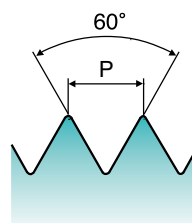
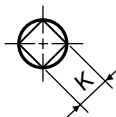
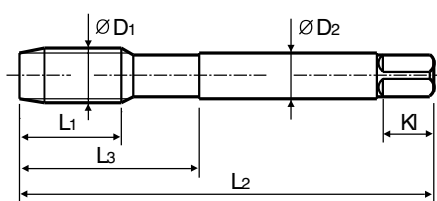
HSS-E

DIN 371/376

6H Mod.



Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gamba	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2.5 x 0.45		TC909176	6	56	18	3.5	2.7	6	3	2.65
M3 x 0.5		TC909206	5	63	21	4.5	3.4	6	3	3.15
M3.5 x 0.6		TC909226	8	70	25	6	4.9	8	3	3.7
M4 x 0.7		TC909246	8	70	25	6	4.9	8	3	4.2
M5 x 0.8		TC909286	8	80	30	6	4.9	8	3	5.25
M6 x 1		TC909316	10	90	35	8	6.2	9	3	6.3
M8 x 1.25		TC909366	16	100	39	10	8	11	3	8.4
M10 x 1.5		TC909426	15	110	44	9	7	10	3	10.4
M12 x 1.75		TC909506	20	110	44	11	9	12	3	12.5
M14 x 2		TC909546	22	110	44	12	9	12	3	14.5
M16 x 2		TC909606	25	125	50	14	11	14	4	16.5
M18 x 2.5		TC909656	27	140	54	18	14.5	17	4	18.75
M20 x 2.5		TC909706	30	160	60	18	14.5	17	4	20.75

► DIN 371(M2.5~M8) e DIN 376(M10~M20)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○											○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

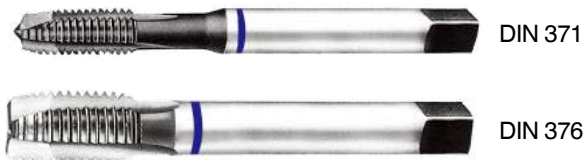
EG-UNC Unified coarse threads for Screw Thread insert

Unificato passo grosso per Helicoil

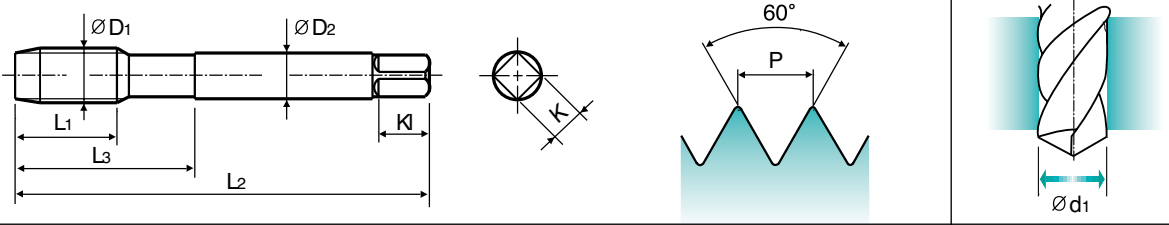
► Wire insert threads are used for increasing fastening strength in soft materials.

► Per realizzazione di filettature predisposte all'alloggiamento di spirali helicoil. Notevole incremento della forza di serraggio su materiali a facile deformabilità.

Tipo Foro 3.0×D



Gruppo Materiali
AI
HSS-E
DIN 371/376
2B
60°
B
Lucido
Machine taps
Maschi a macchina



Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 40 UNC	TC934162	13	63	21	4.5	3.4	6	3	3.1
#5	- 40 UNC	TC934202	13	63	21	4.5	3.4	6	3	3.4
#6	- 32 UNC	TC934242	14	70	25	6	4.9	8	3	3.8
#8	- 32 UNC	TC934282	13	80	25	6	4.9	8	3	4.4
#10	- 24 UNC	TC934322	17	80	30	7	5.5	8	3	5.2
#12	- 24 UNC	TC934362	17	80	30	7	5.5	8	3	5.8
1/4	- 20 UNC	TC934402	20	90	35	8	6.2	9	3	6.7
5/16	- 18 UNC	TC934442	22	100	39	10	8	11	3	8.4
3/8	- 16 UNC	TC934482	21	110	39	12	9	12	3	10
7/16	- 14 UNC	TC934522	26	110	44	11	9	12	3	11.6
1/2	- 13 UNC	TC934562	27	110	44	12	9	12	3	13.3
9/16	- 12 UNC	TC934602	30	125	50	14	11	14	3	15
5/8	- 11 UNC	TC934642	30	125	50	14	11	14	4	16.5
3/4	- 10 UNC	TC934702	32	140	54	18	14.5	17	4	19.75

► DIN 371(#4~3/8) e DIN 376(7/16~3/4)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm² ◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○	○											○	
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

EG-UNC

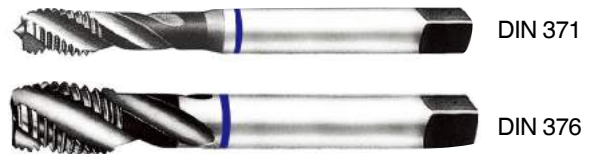
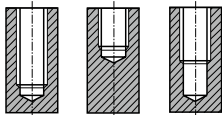
Unified coarse threads for Screw Thread insert
Unificato passo grosso per Helicoil

► Wire insert threads are used for increasing fastening strength in soft materials.

► Per realizzazione di filettature predisposte all'alloggiamento di spirali helicoil. Notevole incremento della forza di serraggio su materiali a facile deformabilità.

Tipo Foro

2.5×D



Gruppo Materiali

AI

HSS-E

DIN 371/376

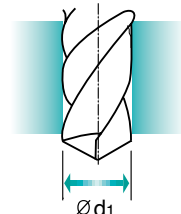
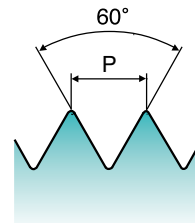
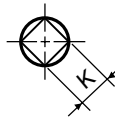
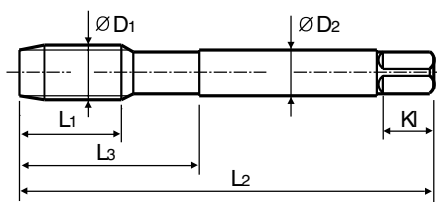
2B



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
#4	- 40 UNC	TC944162	7	63	21	4.5	3.4	6	3	3.1
#5	- 40 UNC	TC944202	7	63	21	4.5	3.4	6	3	3.4
#6	- 32 UNC	TC944242	8	70	25	6	4.9	8	3	3.8
#8	- 32 UNC	TC944282	8	80	25	6	4.9	8	3	4.4
#10	- 24 UNC	TC944322	10	80	30	7	5.5	8	3	5.2
#12	- 24 UNC	TC944362	10	80	30	7	5.5	8	3	5.8
1/4	- 20 UNC	TC944402	14	90	35	8	6.2	9	3	6.7
5/16	- 18 UNC	TC944442	16	100	39	10	8	11	3	8.4
3/8	- 16 UNC	TC944482	16	110	39	12	9	12	3	10
7/16	- 14 UNC	TC944522	20	110	44	11	9	12	3	11.6
1/2	- 13 UNC	TC944562	22	110	44	12	9	12	3	13.3
9/16	- 12 UNC	TC944602	22	125	50	14	11	14	3	15
5/8	- 11 UNC	TC944642	25	125	50	14	11	14	4	16.5
3/4	- 10 UNC	TC944702	27	140	56	18	14.5	17	4	19.75

► DIN 371(#4~3/8) e DIN 376(7/16~3/4)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

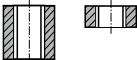
Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○											○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				

EG-UNF

Unified fine threads for Screw Thread insert Unificato passo fine per Helicoil

► Wire insert threads are used for increasing fastening strength in soft materials.

► Per realizzazione di filettature predisposte all'alloggiamento di spirali helicoil. Notevole incremento della forza di serraggio su materiali a facile deformabilità.

Tipo Foro 
3.0×D



AI

HSS-E

DIN 371/374

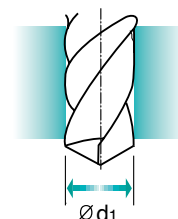
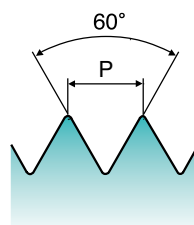
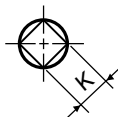
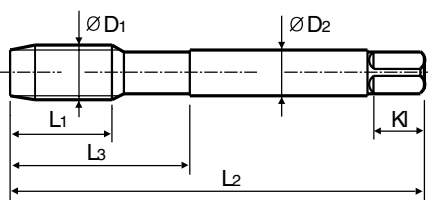
2B

60°

B

Lucido

Machine taps
Maschi a macchina



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD ₁	P	Lucido	L ₁	L ₂	L ₃	ØD ₂	K	KI	Z	Ød ₁
#4	- 48 UNF	TC954182	12	56	20	4	3	6	3	3.1
#6	- 40 UNF	TC954262	14	70	25	6	4.9	8	3	3.7
#8	- 36 UNF	TC954302	13	70	25	6	4.9	8	3	4.4
#10	- 32 UNF	TC954342	13	80	25	6	4.9	8	3	5.1
1/4	- 28 UNF	TC954422	17	90	35	8	6.2	9	3	6.6
5/16	- 24 UNF	TC954462	18	100	39	10	8	11	3	8.25
3/8	- 24 UNF	TC954502	18	110	39	12	9	12	3	9.8
7/16	- 20 UNF	TC954542	22	100	40	9	7	10	3	11.5
1/2	- 20 UNF	TC954582	22	100	40	11	9	12	3	13.1
9/16	- 18 UNF	TC954622	22	100	40	12	9	12	3	14.75
5/8	- 18 UNF	TC954662	25	110	44	14	11	14	4	16.25
3/4	- 16 UNF	TC954722	25	125	50	16	12	15	4	19.5

► DIN 371(#4~3/8) e DIN 374(7/16~3/4)

DISPONIBILE 4-5 GG. S.I.

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○											○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
				○				○	○	○				



HSS



Migliorare attraverso l'innovazione



MASCHI A MANO










- General Tapping, HSS & HSS-E
- Maschi per utilizzi generici, HSS e HSS-E

GUIDA ALLA SELEZIONE

MASCHI A MANO
per utilizzi generici, HSS & HSS-E

MASCHI A MANO

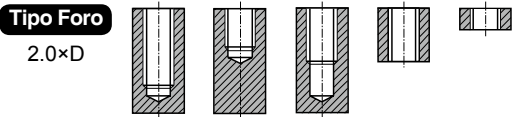
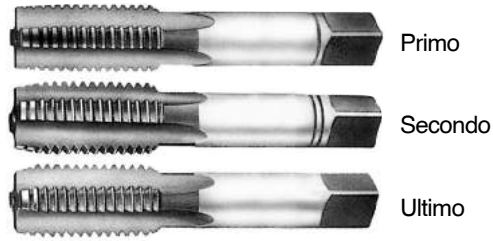
◇ terzo maschio della serie "T7109"

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento Superficiale	PAG.
T7109		HSS	M	GS	DIN 352	ISO 2/6H	I / II / III	2.0D	Lucido	575
◇ T7109-8		HSS	M	GS	DIN 352	ISO 2/6H	III	2.0D	Lucido	576
T7343		HSS	M-LH	GS	DIN 352	ISO 2/6H	I / II / III	2.0D	Lucido	577
TC353		HSS-E	M	VG	DIN 352	ISO 2/6H	I / II / III	2.0D	Lucido	578
TB373		HSS-E	M	VA	DIN 352	6HX	I / II / III	2.0D	Vap	579
T7309		HSS	MF	GS	DIN 2181	ISO 2/6H	I / III	2.0D	Lucido	580
T7363		HSS	UNC	GS	DIN 351	2B	I / II / III	2.0D	Lucido	582
T7509		HSS	UNF	GS	DIN 2181	2B	I / III	2.0D	Lucido	583
T7609		HSS	BSW	GS	DIN 351	-	I / II / III	2.0D	Lucido	584

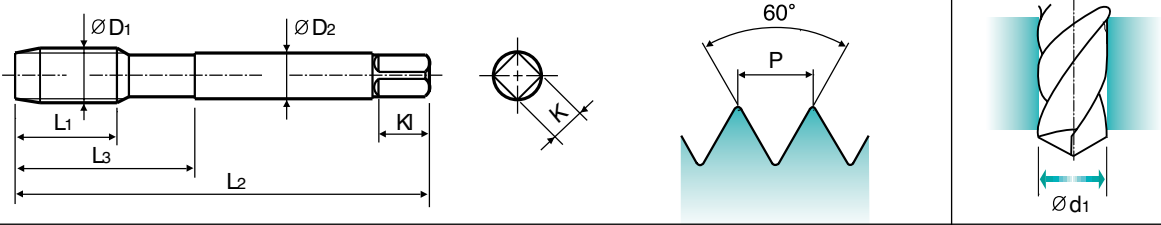
M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

- ▶ This tap is a serial hand tap in set, First, Second and Bottoming.
- ▶ Bottoming tap of set has final internal thread dimensions only.
- ▶ Serie di maschi a mano.
- ▶ È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.



Gruppo Materiali **GS** HSS DIN 352 6H 60° Lucido

 Sets of taps
 Serie di maschi


Unità : mm

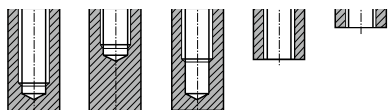
Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M2	x 0.4	T7109139	8	36	13	2.8	2.1	5	3	1.6
M2.2	x 0.45	T7109159	9	36	13	2.8	2.1	5	3	1.75
* M2.3	x 0.4	T7109199	9	36	13	2.8	2.1	5	3	1.9
M2.5	x 0.45	T7109179	9	40	15	2.8	2.1	5	3	2.05
* M2.6	x 0.45	T7109499	9	40	15	2.8	2.1	5	3	2.1
M3	x 0.5	T7109209	11	40	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	T7109229	13	45	21	4	3	6	3	2.9
M4	x 0.7	T7109249	13	45	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	T7109269	16	50	25	6	4.9	8	3	3.7
M5	x 0.8	T7109289	16	52	26	6	4.9	8	3	4.2
* M5.5	x 0.9	T7109N69	18	56	27	6	4.9	8	3	4.6
M6	x 1	T7109319	18	56	27	6	4.9	8	3	5
M7	x 1	T7109349	18	56	28.5	6	4.9	8	3	6
M8	x 1.25	T7109369	20	63	34	6	4.9	8	3	6.8
M9	x 1.25	T7109399	20	63	34	7	5.5	8	4	7.8
M10	x 1.5	T7109429	22	70	38	7	5.5	8	4	8.5
M11	x 1.5	T7109469	22	70	38	8	6.2	9	4	9.5
M12	x 1.75	T7109509	24	80	45	9	7	10	4	10.2
M14	x 2	T7109549	26	80	45	11	9	12	4	12
M16	x 2	T7109609	27	80	45	12	9	12	4	14
M18	x 2.5	T7109659	30	95	58	14	11	14	4	15.5
M20	x 2.5	T7109709	32	95	58	16	12	15	4	17.5
M22	x 2.5	T7109749	32	100	62	18	14.5	17	4	19.5
M24	x 3	T7109789	34	110	69	18	14.5	17	4	21
M27	x 3	T7109869	36	110	69	20	16	19	4	24
M30	x 3.5	T7109949	40	125	77	22	18	21	4	26.5
M33	x 3.5	T7109A49	40	125	77	25	20	23	4	29.5
M36	x 4	T7109B39	50	150	88	28	22	25	4	32
M39	x 4	T7109C09	50	150	88	32	24	27	4	35
M42	x 4.5	T7109C89	56	150	88	32	24	27	4	37.5
M45	x 4.5	T7109D59	58	160	93	36	29	32	4	40.5
M48	x 5	T7109E29	65	180	102	36	29	32	4	43
M52	x 5	T7109F39	65	180	102	40	32	35	4	47

 ▶ *Profilo DIN non ISO DISPONIBILE 4-5 GG. S.I.

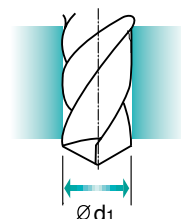
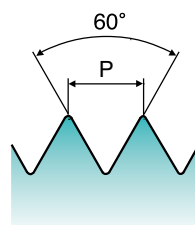
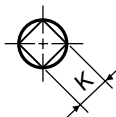
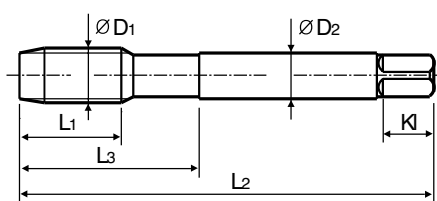
- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHIA RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

M ISO Metric coarse threads DIN 13 ISO Metrico passo grosso DIN 13

- ▶ Bottoming tap of hand tap in set T7109.
- ▶ Bottoming tap for final internal threading.
- ▶ Maschio finitore della Serie di maschi a mano T7109.
- ▶ Necessario per completare la filettatura.

Tipo Foro

Ultimo

HSS
**DIN
352**
6H

Lucido
**Ultimo Maschio della
Serie T7109**


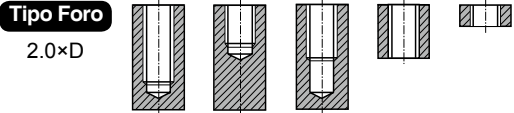
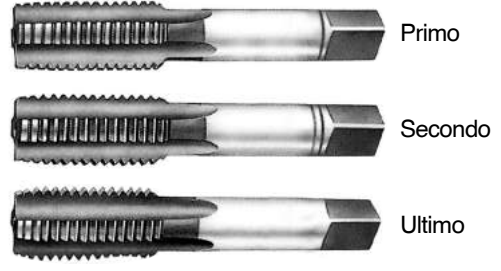
Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M2 x 0.4		T7109138	8	36	13	2.8	2.1	5	3	1.6
M2.5 x 0.45		T7109178	9	40	15	2.8	2.1	5	3	2.05
M3 x 0.5		T7109208	11	40	18	3.5	2.7	6	3	2.5
M3.5 x 0.6		T7109228	13	45	21	4	3	6	3	2.9
M4 x 0.7		T7109248	13	45	21	4.5	3.4	6	3	3.3
M5 x 0.8		T7109288	16	52	26	6	4.9	8	3	4.2
M6 x 1		T7109318	18	56	27	6	4.9	8	3	5
M7 x 1		T7109348	18	56	28.5	6	4.9	8	3	6
M8 x 1.25		T7109368	20	63	34	6	4.9	8	3	6.8
M9 x 1.25		T7109398	20	63	34	7	5.5	8	4	7.8
M10 x 1.5		T7109428	22	70	38	7	5.5	8	4	8.5
M12 x 1.75		T7109508	24	80	45	9	7	10	4	10.2
M14 x 2		T7109548	26	80	45	11	9	12	4	12
M16 x 2		T7109608	27	80	45	12	9	12	4	14
M18 x 2.5		T7109658	30	95	58	14	11	14	4	15.5
M20 x 2.5		T7109708	32	95	58	16	12	15	4	17.5
M22 x 2.5		T7109748	32	100	62	18	14.5	17	4	19.5
M24 x 3		T7109788	34	110	69	18	14.5	17	4	21
M27 x 3		T7109868	36	110	69	20	16	19	4	24
M30 x 3.5		T7109948	40	125	77	22	18	21	4	26.5

terzo maschio della serie "T7109"

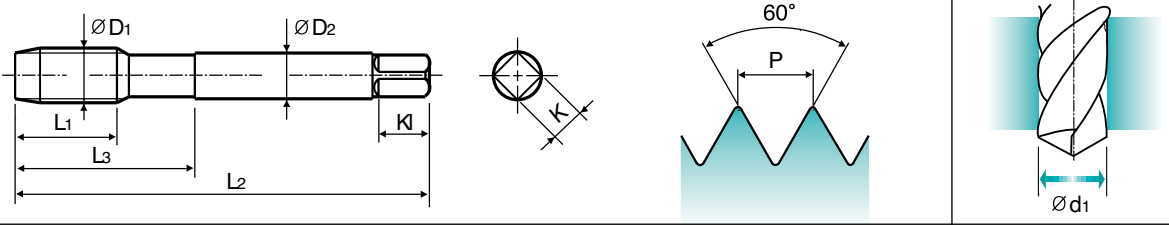
M-LH ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

- ▶ This tap is a serial hand tap in set, First, Second and Bottoming.
- ▶ Bottoming tap of set has final internal thread dimensions only.
- ▶ LH=Left hand thread.
- ▶ Serie di maschi a mano.
- ▶ È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.
- ▶ LH = Maschi a mano per filettature sinistre



Gruppo Materiali **GS** **HSS** **DIN 352** **6H** **60°** **Lucido**

Sets of taps
Serie di maschi



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M3	x 0.5	T7343209	11	40	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	T7343229	13	45	21	4	3	6	3	2.9
M4	x 0.7	T7343249	13	45	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	T7343269	16	50	25	6	4.9	8	3	3.7
M5	x 0.8	T7343289	16	52	26	6	4.9	8	3	4.2
M6	x 1	T7343319	18	56	27	6	4.9	8	3	5
M8	x 1.25	T7343369	20	63	34	6	4.9	8	3	6.8
M10	x 1.5	T7343429	22	70	38	7	5.5	8	4	8.5
M12	x 1.75	T7343509	24	80	45	9	7	10	4	10.2
M14	x 2	T7343549	26	80	45	11	9	12	4	12
M16	x 2	T7343609	27	80	45	12	9	12	4	14
M18	x 2.5	T7343659	30	95	58	14	11	14	4	15.5
M20	x 2.5	T7343709	32	95	58	16	12	15	4	17.5
M22	x 2.5	T7343749	32	100	62	18	14.5	17	4	19.5
M24	x 3	T7343789	34	110	69	18	14.5	17	4	21
M27	x 3	T7343869	36	110	69	20	16	19	4	24
M30	x 3.5	T7343949	40	125	77	22	18	21	4	26.5

▶ LH= Maschi a mano per filettature sinistre

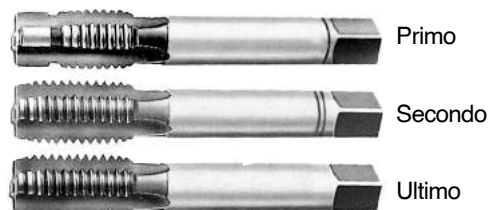
DISPONIBILE 4-5 GG. S.I.

- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHI A RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI

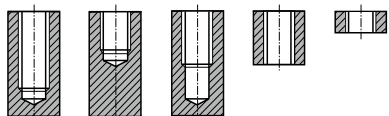
M ISO Metric coarse threads DIN 13

ISO Metrico passo grosso DIN 13

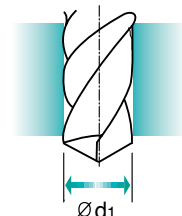
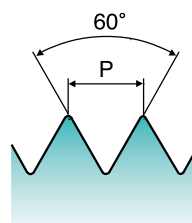
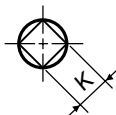
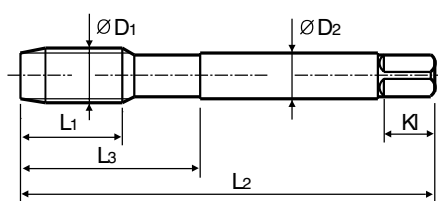
- This tap is a serial hand tap in set, First, Second and Bottoming.
- Bottoming tap of set has final internal thread dimensions only.
- Serie di maschi a mano.
- È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.


Tipo Foro

2.0×D


HSS-E
DIN 352
6H

Lucido

 Sets of taps
Serie di maschi


Unità : mm

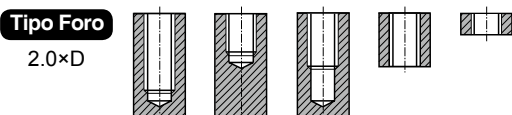
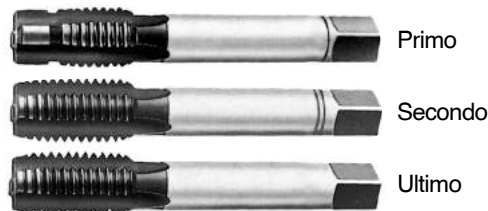
Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3	x 0.5	TC353209	11	40	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TC353229	13	45	21	4	3	6	3	2.9
M4	x 0.7	TC353249	13	45	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TC353269	16	50	25	6	4.9	8	3	3.7
M5	x 0.8	TC353289	16	52	26	6	4.9	8	3	4.2
M6	x 1	TC353319	18	56	27	6	4.9	8	3	5
M8	x 1.25	TC353369	20	63	34	6	4.9	8	3	6.8
M10	x 1.5	TC353429	22	70	38	7	5.5	8	4	8.5
M12	x 1.75	TC353509	24	80	45	9	7	10	4	10.2
M14	x 2	TC353549	26	80	45	11	9	12	4	12
M16	x 2	TC353609	27	80	45	12	9	12	4	14
M18	x 2.5	TC353659	30	95	58	14	11	14	4	15.5
M20	x 2.5	TC353709	32	95	58	16	12	15	4	17.5

- Primo maschio con imbocco pilota

DISPONIBILE 4-5 GG. S.I.

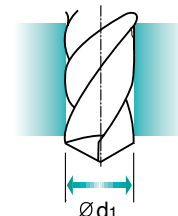
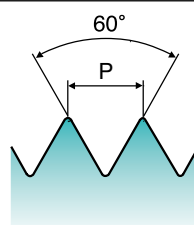
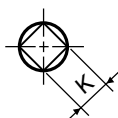
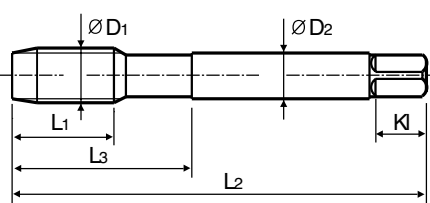
M ISO Metric coarse threads DIN 13
ISO Metrico passo grosso DIN 13

- ▶ This tap is a serial hand tap in set, First, Second and Bottoming.
- ▶ Bottoming tap of set has final internal thread dimensions only.
- ▶ Serie di maschi a mano.
- ▶ È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.



Gruppo Materiali **VA** HSS-E DIN 352 6HX 60° Vap

Sets of taps
Serie di maschi



Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	Kl	Z	Ød1
M3	x 0.5	TB373209	11	40	18	3.5	2.7	6	3	2.5
M3.5	x 0.6	TB373229	13	45	21	4	3	6	3	2.9
M4	x 0.7	TB373249	13	45	21	4.5	3.4	6	3	3.3
M4.5	x 0.75	TB373269	16	50	25	6	4.9	8	3	3.7
M5	x 0.8	TB373289	16	52	26	6	4.9	8	3	4.2
M6	x 1	TB373319	18	56	27	6	4.9	8	3	5
M8	x 1.25	TB373369	20	63	34	6	4.9	8	3	6.8
M10	x 1.5	TB373429	22	70	38	7	5.5	8	4	8.5
M12	x 1.75	TB373509	24	80	45	9	7	10	4	10.2
M14	x 2	TB373549	26	80	45	11	9	12	4	12
M16	x 2	TB373609	27	80	45	12	9	12	4	14
M18	x 2.5	TB373659	30	95	58	14	11	14	4	15.5
M20	x 2.5	TB373709	32	95	58	16	12	15	4	17.5

▶ Primo maschio con imbocco pilota

DISPONIBILE 4-5 GG. S.I.

MF ISO Metric fine threads DIN 13 ISO Metrico passo fine DIN 13

- ▶ Serial hand tap set in First and Bottoming.
- ▶ Bottoming tap of set has final internal thread dimensions only.
- ▶ Serie di maschi a mano - Due pezzi.
- ▶ È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.



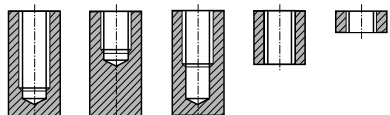
Primo



Ultimo

Tipo Foro

2.0×D



Gruppo Materiali

GS

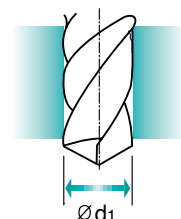
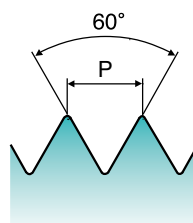
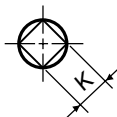
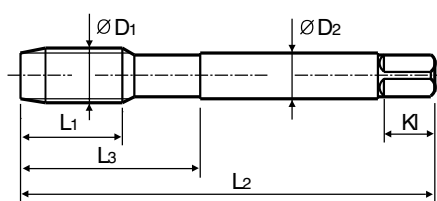
HSS

DIN
2181

6H



Lucido

 Sets of taps
Serie di maschi


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	K1	Z	Ød1
M3	x 0.35	T7309219	9	40	18	3.5	2.7	6	3	2.65
M4	x 0.5	T7309259	10	45	18	4.5	3.4	6	3	3.5
M5	x 0.5	T7309299	13	52	22	6	4.9	8	3	4.5
M6	x 0.75	T7309329	14	56	24	6	4.9	8	3	5.2
M6	x 0.5	T7309339	13	56	24	6	4.9	8	3	5.5
M7	x 0.75	T7309359	14	56	27	6	4.9	8	3	6.2
M8	x 1	T7309379	17	63	27	6	4.9	8	3	7
M8	x 0.75	T7309389	14	63	27	6	4.9	8	3	7.2
M8	x 0.5	T7309939	14	63	27	6	4.9	8	3	7.5
M9	x 1	T7309409	17	63	27	7	5.5	8	4	8
M10	x 1.25	T7309439	22	70	32	7	5.5	8	4	8.8
M10	x 1	T7309449	18	63	27	7	5.5	8	4	9
M10	x 0.75	T7309459	18	63	27	7	5.5	8	4	9.2
M11	x 1	T7309479	18	63	27	8	6.2	9	4	10
M12	x 1.5	T7309519	20	70	32	9	7	10	4	10.5
M12	x 1.25	T7309529	20	70	32	9	7	10	4	10.8
M12	x 1	T7309539	18	70	32	9	7	10	4	11
M13	x 1.5	T7309N19	20	70	32	11	9	12	4	11.5
M13	x 1	T7309N29	18	70	32	11	9	12	4	12
M14	x 1.5	T7309559	20	70	32	11	9	12	4	12.5
M14	x 1.25	T7309569	20	70	32	11	9	12	4	12.8
M14	x 1	T7309579	18	70	32	11	9	12	4	13
M15	x 1.5	T7309589	20	70	32	12	9	12	4	13.5
M15	x 1	T7309599	18	70	32	12	9	12	4	14
M16	x 1.5	T7309619	20	70	32	12	9	12	4	14.5
M16	x 1	T7309629	18	70	32	12	9	12	4	15
M18	x 2	T7309669	22	80	35	14	11	14	4	16

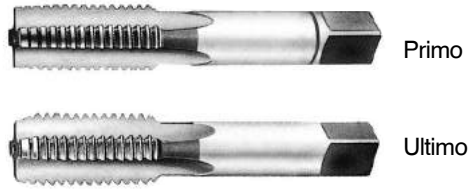
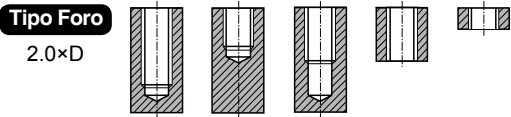
DISPONIBILE 4-5 GG. S.I.

▶ SEGUE

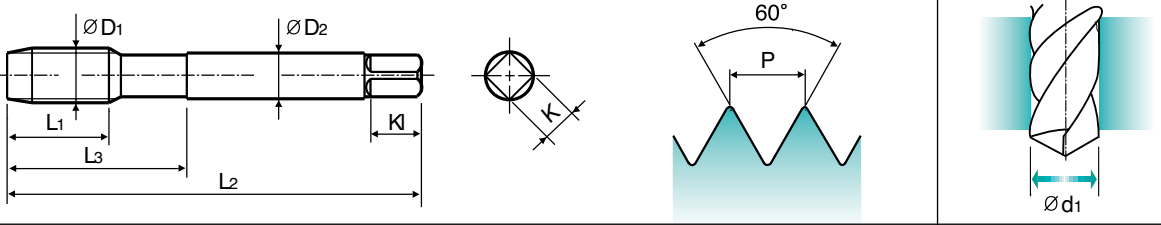
MF

ISO Metric fine threads DIN 13
ISO Metrico passo fine DIN 13

- ▶ Serial hand tap set in First and Bottoming.
- ▶ Bottoming tap of set has final internal thread dimensions only.
- ▶ Serie di maschi a mano - Due pezzi.
- ▶ È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.



Gruppo Materiali **GS** **HSS** **DIN 2181** **6H** **60°** **Lucido**

 Sets of taps
 Serie di maschi


Unità : mm

Dim.	Passo	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1	P	Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
M18	x 1.5	T7309679	22	80	35	14	11	14	4	16.5
M18	x 1	T7309689	18	80	35	14	11	14	4	17
M20	x 2	T7309719	22	80	35	16	12	15	4	18
M20	x 1.5	T7309729	22	80	35	16	12	15	4	18.5
M20	x 1	T7309739	18	80	35	16	12	15	4	19
M22	x 2	T7309759	22	80	35	18	14.5	17	4	20
M22	x 1.5	T7309769	22	80	35	18	14.5	17	4	20.5
M22	x 1	T7309779	18	80	35	18	14.5	17	4	21
M24	x 2	T7309799	22	90	40	18	14.5	17	4	22
M24	x 1.5	T7309809	22	90	40	18	14.5	17	4	22.5
M24	x 1	T7309819	18	90	40	18	14.5	17	4	23
M25	x 1.5	T7309839	22	90	40	18	14.5	17	4	23.5
M25	x 1	T7309849	18	90	40	18	14.5	17	4	24
M26	x 1.5	T7309859	22	90	40	18	14.5	17	4	24.5
M26	x 1	T7309N59	18	90	40	18	14.5	17	4	25
M27	x 2	T7309879	22	90	40	20	16	19	4	25
M27	x 1.5	T7309889	22	90	40	20	16	19	4	25.5
M27	x 1	T7309899	18	90	40	20	16	19	4	26
M28	x 2	T7309909	22	90	40	20	16	19	4	26
M28	x 1.5	T7309919	22	90	40	20	16	19	4	26.5
M30	x 2	T7309969	22	90	40	22	18	21	4	28
M30	x 1.5	T7309979	22	90	40	22	18	21	4	28.5
M30	x 1	T7309989	18	90	40	22	18	21	4	29

DISPONIBILE 4-5 GG. S.I.

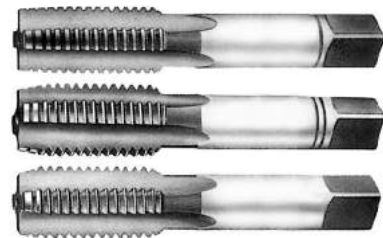
- FRESE A FILETTARE
- MASCHI MD
- PRIME TAPS
- MASCHI COMBO
- MASCHI FORI CIECHI
- MASCHI FORI PASSANTI
- MASCHI ELICA DRITTA
- MASCHIA RULLARE
- MASCHI PER DADI
- MASCHI PER HELICOIL
- MASCHI A MANO
- MASCHI PER TUBI



UNC

 Unified coarse threads
Unificato passo grosso

- This tap is a serial hand tap in set, First, Second and Bottoming.
- Bottoming tap of set has final internal thread dimensions only.
- Serie di maschi a mano.
- È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.



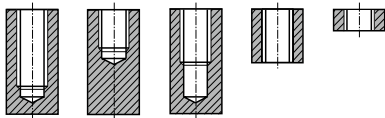
Primo

Secondo

Ultimo

Tipo Foro

2.0×D



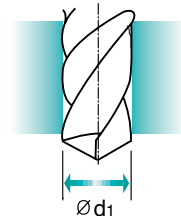
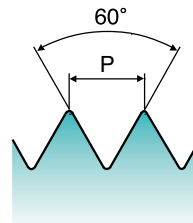
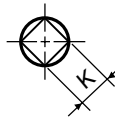
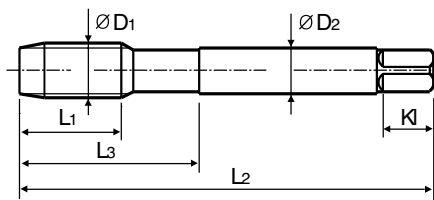
HSS

DIN
351

2B



Lucido

Sets of taps
Serie di maschi

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#2	- 56 UNC	T7363089	9	36	13	2.8	2.1	5	3	1.8
#3	- 48 UNC	T7363129	10	40	15	2.8	2.1	5	3	2.1
#4	- 40 UNC	T7363169	10	42	18	3.5	2.7	6	3	2.3
#5	- 40 UNC	T7363209	10	42	18	3.5	2.7	6	3	2.6
#6	- 32 UNC	T7363249	11	45	18	4	3	6	3	2.85
#8	- 32 UNC	T7363289	12	48	23	4.5	3.4	6	3	3.5
#10	- 24 UNC	T7363329	14	52	26	6	4.9	6	3	3.9
#12	- 24 UNC	T7363369	16	56	27	6	4.9	8	3	4.5
1/4	- 20 UNC	T7363409	16	56	27	6	4.9	8	3	5.2
5/16	- 18 UNC	T7363449	20	63	34	6	4.9	8	3	6.6
3/8	- 16 UNC	T7363489	22	70	38	7	5.5	8	4	8
7/16	- 14 UNC	T7363529	22	70	38	8	6.2	9	4	9.4
1/2	- 13 UNC	T7363569	25	80	45	9	7	10	4	10.75
9/16	- 12 UNC	T7363609	26	80	45	11	9	12	4	12.25
5/8	- 11 UNC	T7363649	27	90	55	12	9	12	4	13.5
3/4	- 10 UNC	T7363709	32	105	65	14	11	14	4	16.5
7/8	- 9 UNC	T7363749	32	110	69	18	14.5	17	4	19.5
1	- 8 UNC	T7363789	36	110	69	20	16	19	4	22.25
1-1/8	- 7 UNC	T7363829	40	125	77	22	18	21	4	25
1-1/4	- 7 UNC	T7363869	40	125	77	25	20	23	4	28.25
1-1/8	- 6 UNC	T7363909	50	150	88	28	22	25	4	30.75
1-1/2	- 6 UNC	T7363949	50	150	88	32	24	27	4	34
1-3/4	- 5 UNC	T7363989	58	160	93	36	29	32	4	39.5
2	- 4 1/2 UNC	T7363D29	65	180	102	40	32	32	4	45.25

DISPONIBILE 4-5 GG. S.I.

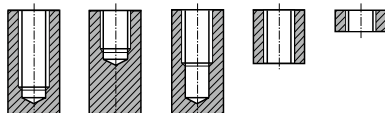
**MASCHI A MANO****T7509** SERIES

UNF Unified coarse threads Unificato passo grosso

- ▶ Serial hand tap set in First and Bottoming.
- ▶ Bottoming tap of set has final internal thread dimensions only.
- ▶ Serie di maschi a mano - Due pezzi.
- ▶ È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.

Tipo Foro

2.0×D



Primo



Ultimo

GS

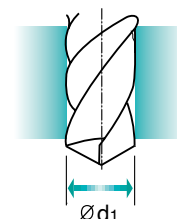
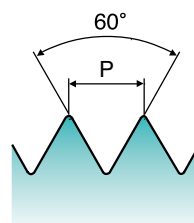
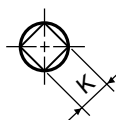
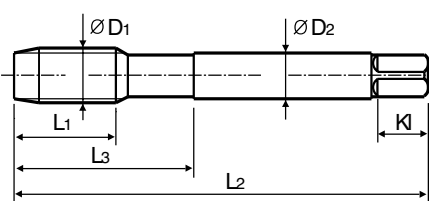
HSS

DIN 2181

2B



Lucido

Sets of taps
Serie di maschi

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
#4	- 48 UNF	T7509189	10	42	18	3.5	2.7	6	3	2.4
#5	- 44 UNF	T7509229	10	42	18	3.5	2.7	6	3	2.7
#6	- 40 UNF	T7509269	11	45	18	4	3	6	3	3
#8	- 36 UNF	T7509309	12	48	23	4.5	3.4	6	3	3.5
#10	- 32 UNF	T7509349	14	52	22	6	4.9	8	3	4.1
#12	- 28 UNF	T7509389	16	56	24	6	4.9	8	3	4.7
1/4	- 28 UNF	T7509429	16	56	24	6	4.9	8	3	5.5
5/16	- 24 UNF	T7509469	17	63	27	6	4.9	8	3	6.9
3/8	- 24 UNF	T7509509	18	63	27	7	5.5	8	4	8.5
7/16	- 20 UNF	T7509549	20	70	32	8	6.2	9	4	9.9
1/2	- 20 UNF	T7509589	20	70	32	9	7	10	4	11.5
9/16	- 18 UNF	T7509629	20	70	32	11	9	12	4	12.9
5/8	- 18 UNF	T7509669	20	70	32	12	9	12	4	14.5
3/4	- 16 UNF	T7509729	22	80	38	14	11	14	4	17.5
7/8	- 14 UNF	T7509769	22	80	38	18	14.5	17	4	20.5
1	- 12 UNF	T7509809	22	90	40	18	14.5	17	4	23.25
1-1/8	- 12 UNF	T7509849	22	90	40	22	18	21	4	26.5

DISPONIBILE 4-5 GG. S.I.

MD

HSS

FRESE A FILETTARE

MASCHI MD

PRIME TAPS

MASCHI COMBO

MASCHI FORI CIECHI

MASCHI FORI PASSANTI

MASCHI ELICA DRITTA

MASCHIA RULLARE

MASCHI PER DADI

MASCHI PER HELICOIL

MASCHIA A MANO

MASCHI PER TUBI

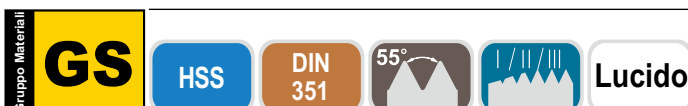
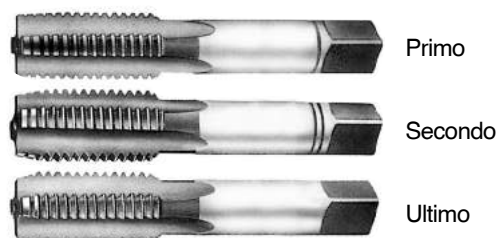
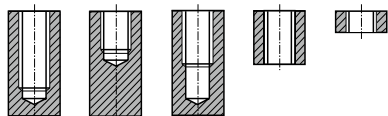
BSW

Whitworth threads

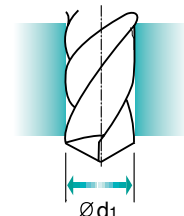
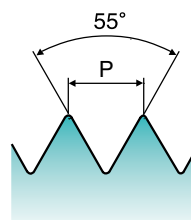
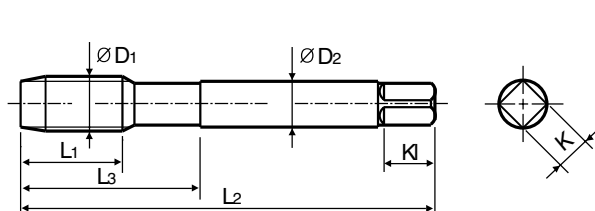
Filettatura Whitworth

- This tap is a serial hand tap in set, First, Second and Bottoming.
- Bottoming tap of set has final internal thread dimensions only.
- Serie di maschi a mano.
- È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.

Tipo Foro
2.0×D



Sets of taps
Serie di maschi



Unità : mm

Dim. ØD1	TPI	CODICE Lucido	Lungh. Filetto L1	Lungh. Totale L2	Lungh. Scarico L3	Diametro Gambo ØD2	Dim. Quadro K	Lungh. Quadro K1	N. Eliche Z	Diametro Preforo Ød1
W3/32 - 48		T7609129	10	40	15	2.8	2.1	5	3	1.8
W1/8 - 40		T7609209	10	42	18	3.5	2.7	6	3	2.5
W5/32 - 32		T7609289	12	48	23	4.5	3.4	6	3	3.1
W3/16 - 24		T7609329	14	52	26	6	4.9	8	3	3.6
W7/32 - 24		T7609369	16	56	27	6	4.9	8	3	4.4
W1/4 - 20		T7609409	16	56	27	6	4.9	8	3	5.1
W5/16 - 18		T7609449	20	63	34	6	4.9	8	3	6.5
W3/8 - 16		T7609489	22	70	38	7	5.5	8	4	7.9
W7/16 - 14		T7609529	22	70	38	8	6.2	9	4	9.3
W1/2 - 12		T7609569	25	80	45	9	7	10	4	10.5
W9/16 - 12		T7609609	26	80	45	11	9	12	4	12
W5/8 - 11		T7609649	27	90	55	12	9	12	4	13.5
W3/4 - 10		T7609709	32	105	65	14	11	14	4	16.5
W7/8 - 9		T7609749	32	110	69	18	14.5	17	4	19.25
W1 - 8		T7609789	36	110	69	20	16	17	4	22
W1-1/8 - 7		T7609829	40	125	77	22	18	21	4	24.75
W1-1/4 - 7		T7609869	40	125	77	25	20	23	4	27.75
W1-3/8 - 6		T7609909	50	150	88	28	22	25	4	30.5
W1-1/2 - 6		T7609949	50	150	88	32	24	27	4	33.5
W1-5/8 - 5		T7609B29	56	150	88	32	24	27	4	35.5
W1-3/4 - 5		T7609B89	58	160	93	36	29	32	4	39
W1-7/8 - 4½		T7609C69	65	180	102	36	29	32	4	41.5
W2 - 4½		T7609D29	65	180	102	40	32	35	4	44.5

DISPONIBILE 4-5 GG. S.I.

HSS



Migliorare attraverso l'innovazione



MASCHI PER TUBI






- Tapping Whitworth Pipe threads
- Maschi Whitworth per tubi

GUIDA ALLA SELEZIONE

MASCHI PER TUBI

Maschi Whitworth per filettatura di tubi

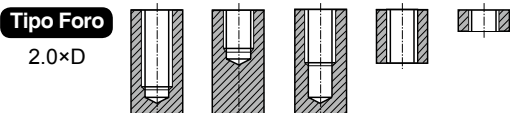
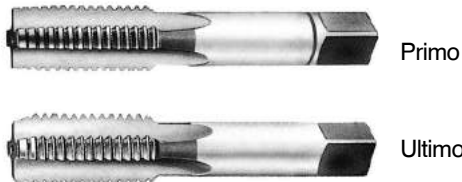
MASCHI PER TUBI - Whitworth

CODICE	FOTO	Materiale di base	Filettatura	Gruppi Materiali	Dimensioni	Tolleranza	Imbocco	Prof.	Trattamento Superficiale	PAG.
T7709		HSS	G(BSP)	GS	DIN 5157	-	I / III	2.0D	Lucido	587
TC727		HSS-E	G(BSP)	GS	DIN 5156	-	B	3.0D	Lucido	588
TC728		HSS-E	G(BSP)	GS	DIN 5156	-	C	2.5D	Lucido	589
TC729		HSS-E	G(BSP)	VG	DIN 5156	-	C	2.5D	Lucido	590
TB514		HSS-E	G(BSP)	VA NW	DIN 5156	-	C	2.5D	Vap	591

G(BSP) Whitworth Pipe threads DIN ISO 228/1

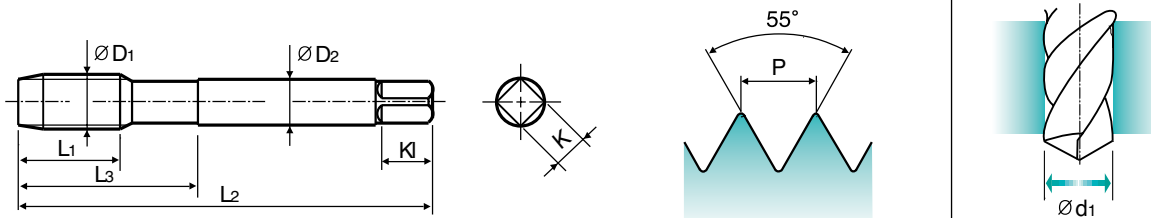
Filettatura Whitworth per tubi DIN ISO 228/1

- ▶ Serial hand tap set in First and Bottoming.
- ▶ Bottoming tap of set has final internal thread dimensions only.
- ▶ Serie di maschi a mano - Due pezzi.
- ▶ È necessario utilizzare sempre l'ultimo maschio per completare la filettatura.



Gruppo Materiali **GS** HSS DIN 5157 55° **Lucido**

Sets of taps
Serie di maschi



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
G1/16 - 28		T7709029	22	56	26	6	4.9	8	3	6.8
G1/8 - 28		T7709209	20	63	27	7	5.5	8	4	8.8
G1/4 - 19		T7709409	22	70	32	11	9	12	4	11.8
G3/8 - 19		T7709489	22	70	32	12	9	12	4	15.25
G1/2 - 14		T7709569	22	80	35	16	12	15	4	19
G3/4 - 14		T7709709	22	90	40	20	16	19	4	24.5
G1 - 11		T7709789	25	100	45	25	20	23	6	30.75
G1-1/4 - 11		T7709869	40	125	77	32	24	27	6	39.5
G1-1/2 - 11		T7709949	40	140	85	36	29	32	6	45.2

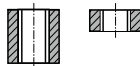
**G(BSP)****Whitworth Pipe threads DIN ISO 228/1****Filettatura Whitworth per tubi DIN ISO 228/1**

► Suitable for through hole in more cutting speed than other taps due to strong geometry.

► Adatto per fori passanti. Può essere impiegato in un campo di Vc più ampio grazie alla sua geometria robusta

Tipo Foro

3.0xD



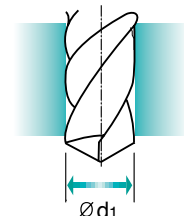
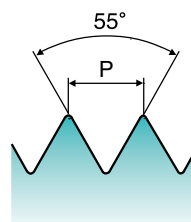
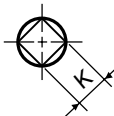
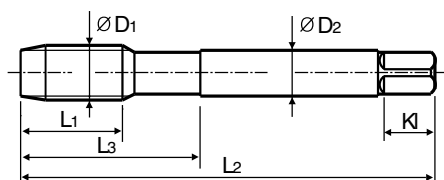
DIN 5156

GS
Gruppo Materiali

HSS-E

DIN
5156

Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
Ø D1		Lucido	L1	L2	L3	Ø D2	K	K1	Z	Ø d1
G1/8	- 28	TC727200	20	90	36	7	5.5	8	3	8.8
G1/4	- 19	TC727400	22	100	40	11	9	12	3	11.8
G3/8	- 19	TC727480	22	100	40	12	9	12	3	15.25
G1/2	- 14	TC727560	25	125	50	16	12	15	4	19
G3/4	- 14	TC727700	28	140	54	20	16	19	4	24.5
G1	- 11	TC727780	30	160	60	25	20	23	4	30.75

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

G(BSP)

Whitworth Pipe threads DIN ISO 228/1

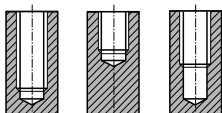
Filettatura Whitworth per tubi DIN ISO 228/1

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per filettatura di fori ciechi. La speciale geometria dell'elica permette una eccellente evacuazione del truciolo.

Tipo Foro

2.5×D



DIN 5156



HSS-E

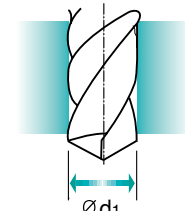
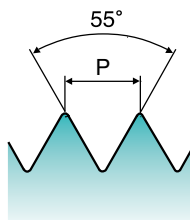
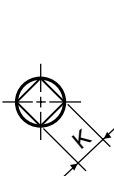
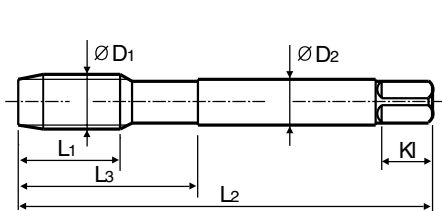
DIN 5156



Lucido



Machine taps
Maschi a macchina



Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	KI	Z	Ød1
G1/8	- 28	TC728200	20	90	36	7	5.5	8	3	8.8
G1/4	- 19	TC728400	22	100	40	11	9	12	3	11.8
G3/8	- 19	TC728480	22	100	40	12	9	12	3	15.25
G1/2	- 14	TC728560	25	125	50	16	12	15	4	19
G3/4	- 14	TC728700	28	140	54	20	16	19	4	24.5
G1	- 11	TC728780	30	160	60	25	20	23	4	30.75

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	TI < 700	Leg. TI < 900
○	○	○									◎	◎	○	
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
○	○	○	○	○		◎		○	○	○	◎	○		

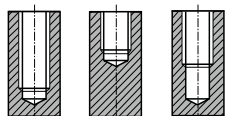
**G(BSP)****Whitworth Pipe threads DIN ISO 228/1****Filettatura Whitworth per tubi DIN ISO 228/1**

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per filettatura di fori ciechi. La speciale geometria dell'elica permette una eccellente evacuazione del truciolo.

Tipo Foro

2.5×D



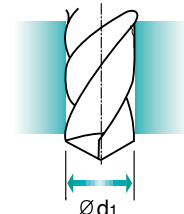
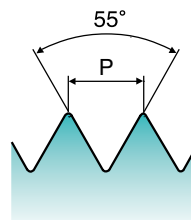
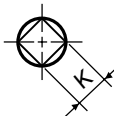
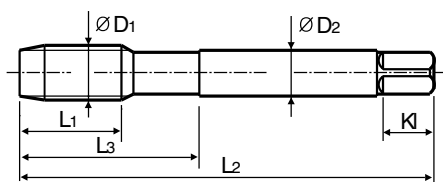
DIN 5156



HSS-E

DIN
5156

Lucido

Machine taps
Maschi a macchina

Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Lucido	L1	L2	L3	ØD2	K	K1	Z	Ød1
G1/8	- 28	TC729200	20	90	36	7	5.5	8	3	8.8
G1/4	- 19	TC729400	22	100	40	11	9	12	3	11.8
G3/8	- 19	TC729480	22	100	40	12	9	12	3	15.25
G1/2	- 14	TC729560	25	125	50	16	12	15	4	19
G3/4	- 14	TC729700	28	140	54	20	16	19	4	24.5
G1	- 11	TC729780	30	160	60	25	20	23	4	30.75

Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. TI < 900
			○	◎				○						○
Leg. TI ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L.Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termindur.	Plastica CFRP
		○												

G(BSP) Whitworth Pipe threads DIN ISO 228/1

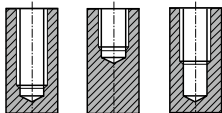
Filettatura Whitworth per tubi DIN ISO 228/1

► Suitable for tapping blind holes due to special flute geometry and excellent chip evacuation.

► Adatti per filettatura di fori ciechi. La speciale geometria dell'elica permette una eccellente evacuazione del truciolo.

Tipo Foro

2.5×D



DIN 5156

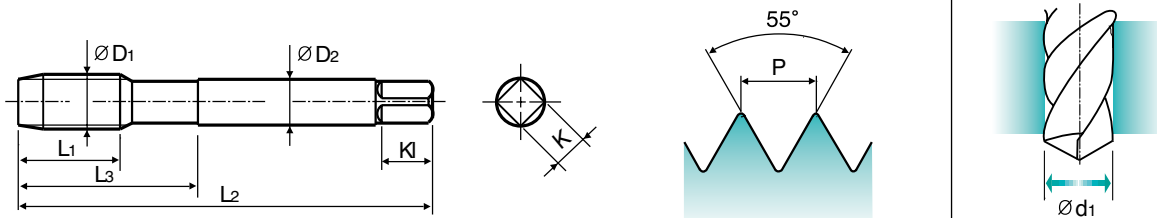


HSS-E

DIN 5156



Vap


 Machine taps
Maschi a macchina


Unità : mm

Dim.	TPI	CODICE	Lungh. Filetto	Lungh. Totale	Lungh. Scarico	Diametro Gambo	Dim. Quadro	Lungh. Quadro	N. Eliche	Diametro Preforo
ØD1		Vap	L1	L2	L3	ØD2	K	KI	Z	Ød1
G1/8	- 28	TB514200	20	90	36	7	5.5	8	3	8.8
G1/4	- 19	TB514400	22	100	40	11	9	12	3	11.8
G3/8	- 19	TB514480	22	100	40	12	9	12	3	15.25
G1/2	- 14	TB514560	25	125	50	16	12	15	4	19
G3/4	- 14	TB514700	28	140	54	20	16	19	4	24.5
G1	- 11	TB514780	30	160	60	25	20	23	4	30.75

 Unità : N/mm²

◎ : Specifico ○ : Adatto

Acciai < 400	Acciai < 700	Acciai < 850	Acc.Leg. < 850	Acc.Leg. ≤ 1200	Acc.Leg. > 1200	INOX < 850	INOX Aust. < 850	INOX < 1000	GG Ghis < 500	GG Ghis < 1000	GGG Ghis < 700	GGG Ghis < 1000	Ti < 700	Leg. Ti < 900
○	○					○	○	○						○
Leg. Ti ≤ 1300	Ni < 500	Leg Ni < 900	Leg Ni ≤ 1400	Rame < 350	L. Rame Short	L. Rame Long	Cu-Al-Fe < 1500	Al / Mg < 350	Al Forgiato	Al Si ≤ 10%	Al Si > 10%	Plastica	Plastica Termoindur.	Plastica CFRP
		○												

