

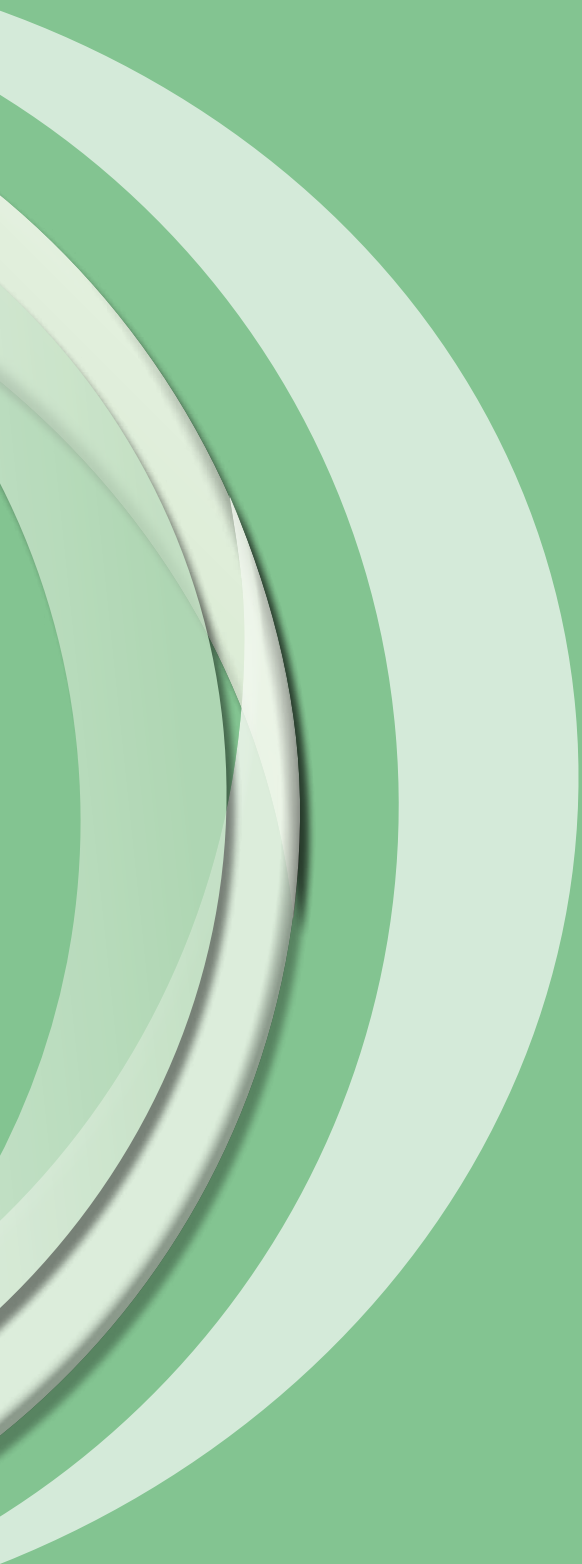
FIUM

FABBRICA ITALIANA UTENSILERIA MECCANICA




CATALOGO 249

MASCHI E FILIERE - TAPS AND DIES



		FAMIGLIE / FAMILIES	DUREZZA / HARDNESS	Rm N/mm ²
P	1	Acciaio dolce magnetico <i>Magnetic soft steel</i>		< 400
	2	Acciaio da costruzione, da cementazione <i>Construction steel, case hardening steel</i>		< 700
	3	Acciaio al carbonio <i>Carbon steel</i>		< 850
	4	Acciaio legato - Bonificato <i>Alloyed steel - Heat-treated steel</i>		< 850
	5	Acciaio legato - Bonificato <i>Alloyed steel - Heat-treated steel</i>		850 - 1200
	6	Acciaio alta resistenza <i>High strength steel</i>	38 - 45 HRC	1200 - 1400
H	7	Acciaio temprato < 52 HRC <i>Hardened steel < 52 HRC</i>	42 - 52 HRC	1400 - 1800
	8	Acciaio temprato < 63 HRC <i>Hardened steel < 63 HRC</i>	52 - 63 HRC	
M	1	Acciaio inox automatico <i>Free Machining stainless steel</i>		< 850
	2	Acciaio inox austenitico <i>Austenitic stainless steel</i>		< 850
	3	Ferritico + Austenitico, Martensitico <i>Ferritic + Austenitic, Martensitic</i>		< 1100
	4	Inox termostabili, leghe Cr-Ni <i>High temperature resistant, Cr-Ni alloys</i>		< 1400
K	1	Ghisa grigia GJL < 180 HB <i>Grey cast iron GJL < 180 HB</i>	< 180 HB	< 250
	2	Ghisa grigia GJL < 250 HB <i>Grey cast iron GJL < 250 HB</i>	< 250 HB	< 500
	3	Ghisa sferoidale <i>Nodular cast iron</i>	< 350 HB	< 800
	4	Ghisa malleabile <i>Malleable cast iron</i>	< 260 HB	< 700
	5	Ghisa austemperata (ADI) <i>Austempered Ductile Iron (ADI)</i>	< 480 HB	< 1400
N	1	Alluminio non legato <i>Unalloyed aluminium</i>		< 250
	2	Leghe di Al, Si < 0,5% - Truciolo lungo <i>Al alloys, Si < 0,5% - Long chipping</i>		< 500
	3	Leghe di Al, Si < 10% - Truciolo medio <i>Al alloys, Si < 10% - Medium chipping</i>		< 500
	4	Leghe di Al, Si > 10% - Truciolo corto <i>Al alloys, Si > 10% - Short chipping</i>		< 600
	5	Leghe di magnesio <i>Magnesium alloys</i>		< 500
N	6	Rame puro / elettrolitico - Truciolo lungo <i>Copper unalloyed - Long chipping</i>		< 250
	7	Leghe di rame, ottone - Truciolo lungo <i>Copper alloys, soft brass - Long chipping</i>		< 700
	8	Leghe di rame, ottone - Truciolo corto <i>Copper alloys, hard brass - Short chipping</i>		< 700
	9	Bronzo ad alta resistenza <i>High strength bronze</i>		< 1500
N	10	Materiali termoplastici - Truciolo lungo <i>Thermoplastic - Long chipping</i>		< 80
	11	Materiali termoindurenti - Truciolo corto <i>Duroplastic - Short chipping</i>		< 110
	12	Materie plastiche con fibre di rinforzo <i>Reinforced plastic materials</i>		< 1500
S	1	Titanio puro <i>Pure Titanium</i>		< 700
	2	Leghe di titanio <i>Titanium alloys</i>		< 900
	3	Leghe di titanio <i>Titanium alloys</i>		< 1400
S	4	Nichel puro <i>Pure Nickel</i>		< 500
	5	Leghe di Nichel <i>Nickel alloys</i>		< 900
	6	Leghe di Nichel <i>Nickel alloys</i>		< 1600

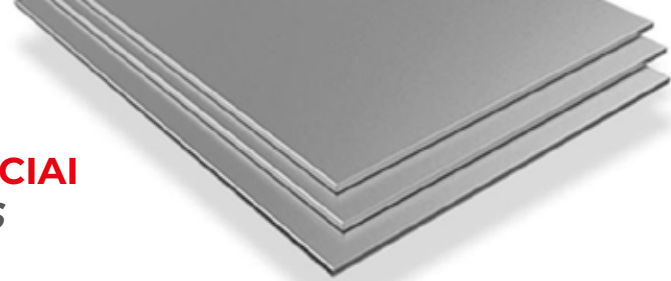




Gentile cliente,
con rinnovato piacere le presentiamo il nostro nuovo catalogo 249.
Nei due anni trascorsi dalla stesura della precedente edizione la nostra produzione si è ulteriormente implementata ed aggiornata, completando gamme già esistenti ed aggiungendo qualche novità per riuscire a rispondere con la massima efficacia alle problematiche di lavorazione che sempre di più interessano le attività di filettatura. E, naturalmente, rinnoviamo i nostri sforzi e le nostre competenze per poter essere costantemente ed efficacemente al vostro servizio così da poter riuscire a semplificare le situazioni e le sfide che quotidianamente vi trovate a dover affrontare.

Gli sviluppi e gli ammodernamenti apportati negli ultimi anni, specie alla parte produttiva, non modificano il nostro DNA, quello cioè di una realtà a gestione familiare che da questo 2024 si arricchisce grazie all'ingresso in azienda della QUINTA generazione, a conferma di un imprinting ormai ben definito. Ed è questo aspetto, prima di altri, che ci consente di dare ai nostri partner quel qualcosa in più che altre realtà non riescono (ancora) a fornire.

*Dear customer,
it's again with pleasure we are here to show you our new catalogue 249.
During last two years, since our previous edition, our production has been further implemented and updated, completing existing ranges and adding some innovations to be able to respond with maximum effectiveness to the processing problems that increasingly affect threading activities. And, of course, we renew our efforts and our skills to be able to be constantly and effectively at your service and to simplify the situations and challenges that every day you must face on.
The developments and modernizations made in recent past, especially in the production part, do not change our DNA, that of a family-run business which, from 2024, has been enriched thanks to the entry into the company of the FIFTH generation, confirming an imprinting now well defined. And it is this aspect, before others, that allows us to give to our partners something extra that other realities are not (yet) able to provide.*



I NOSTRI ACCIAI OUR STEELS

HSSE - HSSV: Acciai con il 5% di cobalto o il 3% di vanadio ideali per lavorazioni di materiali con $R < 1000 \text{ N/mm}^2$

HSS-Co 8%: Acciaio con l'8% di cobalto ideale per lavorazioni di acciai ad alta resistenza

HSS-Co-PM: Acciaio sinterizzato idoneo per lavorazioni di materiali con $R < 1400 \text{ N/mm}^2$ e, in una gradazione specifica, materiali con $R < 1800 \text{ N/mm}^2$

HSSE – HSSV: Steels with 5% cobalt or 3% vanadium suitable to machine materials $R < 1000 \text{ N/mm}^2$

HSS-Co 8%: Steel 8% cobalt suitable to machine high resistance steels

HSS-Co-PM: Sintered steel suitable to machine materials $R < 1400 \text{ N/mm}^2$ and, in a specific gradation, $R < 1800 \text{ N/mm}^2$

I NOSTRI RIVESTIMENTI E TRATTAMENTI OUR TREATMENTS AND COATINGS

- **ST:** vaporizzati / steam tempering
- **TIN:** nitruro di titanio / titanium nitride coating
- **TIALN:** nitruro di titanio e alluminio / titanium aluminium nitride
- **TICN:** carbo-nitruro di titanio / titanium carbo-nitride
- **HPC:** TiAlN + WC/C / TiAlN + WC/C
- **TIN+:** Super TIN / Special TIN
- **TX:** TIN + WC/C / TIN + WC/C
- **AlCrN:** nitruro di cromo e alluminio / chromium and Aluminium nitride
- **CrN:** nitruro di cromo / chromium nitride

Colore maschio Tap color

nero / black
 giallo / yellow
 viola scuro / dark violet
 grigio-blu / blue-gray
 grigio scuro / dark gray
 oro / gold
 grigio scuro / dark gray
 nero / black
 grigio chiaro / light gray

Ogni fotografia, immagine od informazione contenute nel presente catalogo possono essere soggetti a variazioni senza l'obbligo di preventiva comunicazione. I colori presenti nelle immagini sono utilizzati solo per esigenze grafiche relative all'impaginazione e non sono necessariamente reali.

Each picture, image or information contained in this catalogue may be subject to changes without any communication in advance. Colours in the images are used only for graphic needs related to the layout and are not necessarily real.

Avvertenza - I maschi, come tutti gli altri utensili, possono rompersi durante la lavorazione e causare quindi dei danni: per questo motivo si raccomanda l'uso di occhiali o visiera protettivi durante il loro impiego, manuale o a macchina che sia.

Warning - Taps, like all other tools, can break during machining and therefore cause damage: for this reason, we recommend wearing protective glasses or visor during their use, whether manual or machine-based.

TOLLERANZE STANDARD / STANDARD TOLERANCES

Sul gambo dei maschi / On the shank diameter of taps **h9**

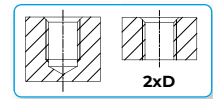
Sul quadro dei maschi / On the square of taps **h12**

(fatto salvo differenti indicazioni / except for different indications)

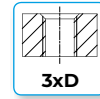
LEGENDA DEI SIMBOLI:

KEY OF ICONS:

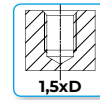
Idoneo per fori ciechi e passanti / Suitable for passes and blind holes



Consigliato per fori passanti / Recommended for passes holes

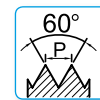


Consigliato per fori ciechi / Recommended for blind holes

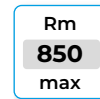


(tutti con indicazione della massima profondità del foro da filettare)
(all icons with max depth of holes to thread indicated)

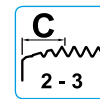
Angolo della filettatura / Angle of threading



Massima resistenza del materiale da lavorare
Max resistance of the material to machine



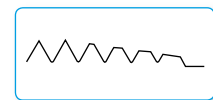
Forma dell'imbocco / Chamfer form



Filettatura sinistra / Left hand thread



Marcata rastremazione posteriore / Long back tapering



Maschiatura rigida sincronizzata / Rigid tapping synchro



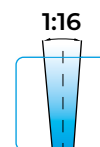
Per impiego su macchine CNC / Tapping by CNC machines



Per lavorazioni su alluminio / Aluminium machining



Conicità del maschio / Taper of the tap



Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>																
	ART.	1515	4511.0 4513.0	4511.LO 4513.LO	4511.XS2 4511.XC2	4511.XO 4513.XO	4511.XFO	4511.2 4513.2	4511.C2 4513.C2	4511.X2 4513.X2	4511.XE2 4513.XE2	4511.XCE2 4513.XCE2	1511.1 1513.1	4511.1 4513.1	4511.L1 4513.L1	
	PAG.	17	18	19	24	20	21	22	22	23	23	23	25	26-27	26-27	
P	P1	10 / 15	10 / 15	10 / 15	-	-	-	-	-	-	-	-	10 / 15	10 / 15	10 / 15	
	P2	10 / 15	10 / 15	10 / 15	-	-	-	-	-	-	-	-	10 / 15	10 / 15	10 / 15	
	P3	10 / 12	10 / 12	10 / 12	-	-	-	-	-	-	-	-	10 / 12	10 / 12	11 / 12	
	P4	8 / 10	8 / 10	8 / 10	-	-	-	-	-	-	-	-	8 / 10	8 / 10	9 / 10	
	P5	-	-	-	10 / 15	5 / 12	-	-	-	-	-	-	-	-	-	-
	P6	-	-	-	8 / 10	5 / 8	-	-	-	-	-	-	-	-	-	-
H	H7	-	-	-	-	-	1 / 3	-	-	-	-	-	-	-	-	
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	M2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
K	K1	-	-	-	25 / 30	-	-	20 / 25	20 / 25	25 / 30	25 / 30	25 / 30	-	-	-	
	K2	-	-	-	20 / 25	-	-	15 / 20	15 / 20	20 / 25	20 / 25	20 / 25	-	-	-	
	K3	-	-	-	20 / 25	-	-	15 / 20	15 / 20	20 / 25	20 / 25	20 / 25	-	-	-	
	K4	-	8 / 10	8 / 10	25 / 30	-	-	20 / 25	20 / 25	25 / 30	25 / 30	25 / 30	-	-	-	
	K5	-	-	-	10 / 15	-	-	-	-	10 / 15	10 / 15	10 / 15	-	-	-	
N	N1	-	-	-	-	-	-	-	-	-	-	-	-	10 / 15	10 / 15	
	N2	-	15 / 20	15 / 20	-	-	-	-	-	-	-	-	-	15 / 20	15 / 20	
	N3	-	10 / 15	10 / 15	-	30 / 40	-	-	-	-	-	-	-	-	-	
	N4	-	-	-	25 / 30	25 / 30	-	25 / 30	25 / 30	-	-	-	-	-	-	
	N5	-	-	-	30 / 40	20 / 30	-	20 / 30	20 / 30	-	-	-	-	-	-	
N	N6	-	-	-	-	-	-	-	-	-	-	-	-	8 / 12	8 / 12	
	N7	-	10 / 15	10 / 15	-	-	-	-	-	-	-	-	-	10 / 15	10 / 15	
	N8	-	15 / 20	15 / 20	30 / 40	25 / 30	-	25 / 30	25 / 30	-	-	-	-	-	-	
	N9	-	-	-	8 / 10	5 / 8	5 / 8	-	-	-	-	-	-	-	-	
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N11	-	8 / 10	8 / 10	20 / 25	10 / 15	-	10 / 15	10 / 15	-	-	-	-	-	-	
	N12	-	-	-	10 / 15	6 / 10	-	-	-	-	-	-	-	-	-	
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>															
	ART.	4511.V1 4513.V1	4511.T1 4513.T1	4511.LT1 4513.LT1	4511.F1 4513.F1	4511.6G1 4513.6G1	4511.6GT1 4513.6GT1	4511.6GF1 4513.6GF1	4511.7G1 4513.7G1	4511.7GT1 4513.7GT1	4511.7GF1 4513.7GF1	4511.4H1 4513.4H1	4511.4HT1 4513.4HT1	4811.1 4813.1	4811.T1 4813.T1
	PAG.	26-27	26-27	26-27	26-27	28	28	28	29	29	29	30	30	31	31
P	P1	10 / 15	20 / 30	20 / 30	20 / 30	10 / 15	20 / 30	20 / 30	10 / 15	20 / 30	20 / 30	10 / 15	20 / 30	10 / 15	20 / 30
	P2	10 / 15	20 / 30	20 / 30	20 / 30	10 / 15	20 / 30	20 / 30	10 / 15	20 / 30	20 / 30	10 / 15	20 / 30	10 / 15	20 / 30
	P3	10 / 12	20 / 25	20 / 25	20 / 25	10 / 12	20 / 25	20 / 25	10 / 12	20 / 25	20 / 25	10 / 12	20 / 25	10 / 12	20 / 25
	P4	8 / 10	15 / 20	15 / 20	15 / 20	8 / 10	15 / 20	15 / 20	8 / 10	15 / 20	15 / 20	8 / 10	15 / 20	8 / 10	15 / 20
	P5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	-	-	-	10 / 15	-	-	10 / 15	-	-	10 / 15	-	-	-	-
	M2	-	-	-	8 / 10	-	-	8 / 10	-	-	8 / 10	-	-	-	-
	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K3	-	10 / 15	10 / 15	10 / 15	-	10 / 15	10 / 15	-	10 / 15	10 / 15	-	10 / 15	-	10 / 15
	K4	-	15 / 20	15 / 20	15 / 20	-	15 / 20	15 / 20	-	15 / 20	15 / 20	-	15 / 20	-	15 / 20
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N1	10 / 15	20 / 25	20 / 25	-	10 / 15	20 / 25	-	10 / 15	20 / 25	-	10 / 15	20 / 25	10 / 15	20 / 25
	N2	15 / 20	25 / 30	25 / 30	25 / 30	15 / 20	25 / 30	25 / 30	15 / 20	25 / 30	25 / 30	15 / 20	25 / 30	15 / 20	25 / 30
	N3	-	20 / 25	20 / 25	20 / 25	-	20 / 25	20 / 25	-	20 / 25	20 / 25	-	20 / 25	-	20 / 25
	N4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N6	8 / 12	15 / 20	15 / 20	-	8 / 12	15 / 20	-	8 / 12	15 / 20	-	8 / 12	15 / 20	8 / 12	15 / 20
	N7	10 / 15	20 / 25	20 / 25	20 / 25	10 / 15	20 / 25	20 / 25	10 / 15	20 / 25	20 / 25	10 / 15	20 / 25	10 / 15	20 / 25
	N8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>																
	ART.	4811.F1 4813.F1	4911.1 4913.1	4911.T1 4913.T1	4911.F1 4913.F1	4511.U1 4513.U1	4511.X1 4513.X1	4511.S1 4513.S1	4511.3 4513.3	4511.F3 4513.F3	4511.A1 4513.A1	4111.1 4113.1	4111.F1 4113.F1	4511.XT1 4513.XT1	4511.XJT1 4513.XJT1	
	PAG.	31	32	32	32	34	34	34	35	35	35	33	33	36	36	
P	P1	20/30	10/15	20/30	20/30	20/30	-	-	10/15	20/30	10/15	10/15	20/30	-	-	
	P2	20/30	10/15	20/30	20/30	20/30	-	-	10/15	20/30	-	10/15	20/30	-	-	
	P3	20/25	10/12	20/25	20/25	20/25	-	20/25	-	-	-	10/12	20/25	-	-	
	P4	15/20	8/10	15/20	15/20	15/20	-	15/20	-	-	-	8/10	15/20	-	-	
	P5	-	-	-	-	5/12	5/12	5/12	-	-	-	-	-	-	-	-
	P6	-	-	-	-	-	5/8	5/8	-	-	-	-	-	5/8	5/8	
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M	M1	10/15	-	-	10/15	10/15	-	10/15	-	-	-	-	10/15	-	-	
	M2	8/10	-	-	8/10	8/10	-	8/10	-	-	-	-	8/10	-	-	
	M3	-	-	-	-	6/8	-	6/8	-	-	-	-	-	-	-	
	M4	-	-	-	-	-	-	3/6	-	-	-	-	-	3/6	3/6	
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	K3	10/15	-	10/15	10/15	10/15	10/15	-	-	-	-	-	10/15	15/20	15/20	
	K4	15/20	-	15/20	15/20	15/20	20/25	-	-	-	-	-	15/20	20/25	20/25	
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N1	-	10/15	20/25	-	-	-	-	10/15	20/25	10/15	10/15	-	-	-	
	N2	25/30	15/20	25/30	25/30	25/30	-	-	15/20	25/30	15/20	15/20	25/30	-	-	
	N3	20/25	-	20/25	20/25	20/25	-	-	-	-	-	-	20/25	-	-	
	N4	-	-	-	-	-	25/30	-	-	-	-	-	-	25/30	25/30	
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N6	-	8/12	15/20	-	-	-	-	8/12	15/20	8/12	8/12	-	-	-	
	N7	20/25	10/15	20/25	20/25	20/25	-	-	10/15	20/25	10/15	10/15	20/25	-	-	
	N8	-	-	-	-	25/30	-	-	-	-	-	-	-	25/30	25/30	
	N9	-	-	-	-	-	-	-	-	-	-	-	-	5/8	5/8	
N	N10	-	-	-	-	-	-	-	20/25	-	20/25	-	-	-	-	
	N11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	S1	-	-	-	-	-	-	-	5/8	-	5/8	-	-	-	-	
	S2	-	-	-	-	-	-	-	-	-	-	-	-	4/8	4/8	
	S3	-	-	-	-	-	-	-	-	-	-	-	-	2/4	2/4	
S	S4	-	-	-	-	-	-	-	6/8	-	6/8	-	-	-	-	
	S5	-	-	-	-	-	-	-	-	-	-	-	-	2/4	2/4	
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>															
	ART.	4511.XN1 4511.XJN1	4512.1 4514.1	4512.V1 4514.V1	4512.T1 4514.T1	1512.1 1514.1	4512.6G1 4514.6G1	4512.6GT1 4514.6GT1	4512.6GF1 4514.6GF1	4812.1 4814.1	4512.UCB1 4514.UCB1	4512.X1 4514.X1	4512.XC1 4514.XC1	4512.XT1 4514.XT1 4512.XJT1	4512.XN1 4512.XJN1
	PAG.	37	38-39	38-39	38-39	38-39	40	40	40	41	42	43	43	44	45
P	P1	-	10/15	10/15	20/30	10/15	10/15	20/30	20/30	10/15	-	-	-	-	-
	P2	-	10/15	10/15	20/30	10/15	10/15	20/30	20/30	10/15	-	-	-	-	-
	P3	-	10/12	10/12	20/25	10/12	10/12	20/25	20/25	10/12	20/25	-	-	-	-
	P4	-	8/10	8/10	15/20	8/10	8/10	15/20	15/20	8/10	15/20	-	-	-	-
	P5	-	-	-	-	-	-	-	-	-	5/12	5/12	5/12	-	-
	P6	5/8	-	-	-	-	-	-	-	-	5/8	5/8	5/8	5/8	5/8
H	H7	1/3	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	-	-	-	-	-	-	-	10/15	-	-	-	-	-	-
	M2	-	-	-	-	-	-	-	8/10	-	-	-	-	-	-
	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	M4	-	-	-	-	-	-	-	-	-	-	-	-	3/6	-
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K3	-	-	-	10/15	-	-	10/15	10/15	-	-	15/20	15/20	15/20	-
	K4	-	-	-	15/20	-	-	15/20	15/20	-	-	20/25	20/25	20/25	-
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N1	-	10/15	10/15	20/25	-	10/15	20/25	-	10/15	-	-	-	-	-
	N2	-	15/20	15/20	25/30	-	15/20	25/30	25/30	15/20	-	-	-	-	-
	N3	-	-	-	20/25	-	-	20/25	20/25	-	-	-	-	-	-
	N4	-	-	-	-	-	-	-	-	-	25/30	25/30	25/30	-	-
	N5	-	-	-	-	-	-	-	-	-	20/30	20/30	-	-	-
N	N6	-	8/12	8/12	15/20	-	8/12	15/20	-	8/12	-	-	-	-	-
	N7	-	10/15	10/15	20/25	-	10/15	20/25	20/25	10/15	-	-	-	-	-
	N8	-	-	-	-	-	-	-	-	-	25/30	25/30	25/30	-	-
	N9	5/8	-	-	-	-	-	-	-	-	-	-	-	5/8	5/8
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S2	-	-	-	-	-	-	-	-	-	-	-	-	4/8	-
	S3	-	-	-	-	-	-	-	-	-	-	-	-	2/4	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	2/4	-	-	-	-	-	-	-	-	-	-	-	2/4	2/4
	S6	1/3	-	-	-	-	-	-	-	-	-	-	-	-	1/3

Velocità m/min sul materiale consigliato / Speed m/min on recommended material		Prima scelta - first choice / Seconda scelta - second choice													
ART.	4512.3 4514.3	4512.V3 4514.V3	4512.T3 4514.T3	4512.F3 4514.F3	4512.6G3 4514.6G3	4512.6GT3 4514.6GT3	4512.6GF3 4514.6GF3	4512.7G3 4514.7G3	4512.7GT3 4514.7GT3	4512.7GF3 4514.7GF3	4512.4H3 4514.4H3	4512.4HT3 4514.4HT3	4812.3 4814.3	4812.3 4814.3	4812.3 4814.3
PAC.	46-47	46-47	46-47	46-47	48	48	48	49	49	49	50	50	51	51	51
P	P1	10/15	10/15	20/30	20/30	10/15	20/30	20/30	10/15	20/30	20/30	10/15	20/30	10/15	20/30
	P2	10/15	10/15	20/30	20/30	10/15	20/30	20/30	10/15	20/30	20/30	10/15	20/30	10/15	20/30
	P3	10/12	10/12	20/25	20/25	10/12	20/25	20/25	10/12	20/25	20/25	10/12	20/25	10/12	20/25
	P4	8/10	8/10	15/20	15/20	8/10	15/20	15/20	8/10	15/20	15/20	8/10	15/20	8/10	15/20
	P5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	-	-	-	10/15	-	-	10/15	-	-	10/15	-	-	-	-
	M2	-	-	-	8/10	-	-	8/10	-	-	8/10	-	-	-	-
	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K3	-	-	10/15	10/15	-	10/15	10/15	-	10/15	10/15	-	10/15	-	10/15
	K4	-	-	15/20	15/20	-	15/20	15/20	-	15/20	15/20	-	15/20	-	15/20
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N1	10/15	10/15	20/25	-	10/15	20/25	-	10/15	20/25	-	10/15	20/25	10/15	20/25
	N2	15/20	15/20	25/30	25/30	15/20	25/30	25/30	15/20	25/30	25/30	15/20	25/30	15/20	25/30
	N3	-	-	20/25	20/25	-	20/25	20/25	-	20/25	20/25	-	20/25	-	20/25
	N4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N6	8/12	8/12	15/20	-	8/12	15/20	-	8/12	15/20	-	8/12	15/20	8/12	15/20
	N7	10/15	10/15	20/25	20/25	10/15	20/25	20/25	10/15	20/25	20/25	10/15	20/25	10/15	20/25
	N8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Velocità m/min sul materiale consigliato / Speed m/min on recommended material		Prima scelta - first choice / Seconda scelta - second choice													
ART.	4812.F3 4814.F3	4912.3 4914.3	4912.T3 4914.T3	4912.F3 4914.F3	4512.L3 4514.L3	4512.LF3 4514.LF3	4512.5 4514.5	4512.V5 4514.V5	4512.T5 4514.T5	4512.RF5 4514.RF5	4512.RFC5 4514.RFC5	4512.RF4 4514.RF4	4512.RFC4 4514.RFC4	4112.3 4114.3	
PAC.	51	52	52	52	53	53	54	54	54	56	56	57	57	55	
P	P1	20/30	10/15	20/30	20/30	10/15	20/30	10/15	10/15	-	-	-	-	10/15	
	P2	20/30	10/15	20/30	20/30	10/15	20/30	10/15	10/15	20/30	20/30	20/30	20/30	10/15	
	P3	20/25	10/12	20/25	20/25	10/12	20/25	10/12	10/12	20/25	20/25	20/25	20/25	10/12	
	P4	15/20	8/10	15/20	15/20	8/10	15/20	8/10	8/10	15/20	15/20	15/20	15/20	8/10	
	P5	-	-	-	-	-	-	-	-	5/12	5/12	5/12	5/12	-	
	P6	-	-	-	-	-	-	-	-	-	-	-	-	-	
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	
M	M1	10/15	-	-	10/15	-	10/15	-	6/8	-	10/15	10/15	10/15	-	
	M2	8/10	-	-	8/10	-	8/10	-	5/7	-	8/10	8/10	8/10	-	
	M3	-	-	-	-	-	-	-	-	6/8	6/8	6/8	6/8	-	
	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	
	K3	10/15	-	10/15	10/15	-	10/15	-	-	-	-	-	-	-	
	K4	15/20	-	15/20	15/20	-	15/20	-	-	-	-	-	-	-	
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N1	-	10/15	20/25	-	10/15	-	-	-	-	-	-	-	10/15	
	N2	25/30	15/20	25/30	25/30	15/20	25/30	15/20	-	-	-	-	-	15/20	
	N3	20/25	-	20/25	20/25	-	20/25	-	20/25	-	-	-	-	-	
	N4	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N6	-	8/12	15/20	-	8/12	-	8/12	-	-	-	-	-	8/12	
	N7	20/25	10/15	20/25	20/25	10/15	20/25	10/15	20/25	-	-	-	-	10/15	
	N8	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N9	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N11	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>															
	ART.	4112.F3 4114.F3	4512.S8 4514.S8	4512.S3 4514.S3	4512.U5 4514.U5	4512.UC5 4514.UC5	4512.X3 4514.X3	4512.XC3 4514.XC3	4512.2 4514.2	4512.A2 4514.A2	4516.TH 4516.TG	4517.TH 4517.TG	4517.XH 4517.XG	4517.XCH 4517.XRH	4517.XEH 4517.XCEH
	PAG.	55	58	59	60	60	61	61	62	62	64	64	65	66	67
P	P1	20 / 30	-	-	20 / 30	20 / 30	-	-	10 / 15	20 / 30	20 / 30	20 / 30	-	-	-
	P2	20 / 30	-	-	20 / 30	20 / 30	-	-	-	-	20 / 30	20 / 30	-	-	-
	P3	20 / 25	20 / 25	15 / 20	20 / 25	20 / 25	-	-	-	-	20 / 25	20 / 25	30 / 35	30 / 35	30 / 35
	P4	15 / 20	15 / 20	5 / 12	15 / 20	15 / 20	15 / 20	15 / 20	-	-	-	15 / 20	25 / 30	25 / 30	25 / 30
	P5	-	5 / 12	-	5 / 12	5 / 12	5 / 12	5 / 12	-	-	-	-	15 / 20	15 / 20	15 / 20
	P6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	10 / 15	10 / 15	10 / 15	10 / 15	10 / 15	-	-	-	-	10 / 15	10 / 15	-	-	-
	M2	8 / 10	8 / 10	8 / 10	8 / 10	8 / 10	-	-	-	-	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12
	M3	-	6 / 8	6 / 8	6 / 8	6 / 8	-	-	-	-	-	6 / 10	6 / 10	6 / 10	6 / 10
	M4	-	3 / 6	-	-	-	-	-	-	-	-	-	6 / 8	6 / 8	6 / 8
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K3	10 / 15	-	-	10 / 15	10 / 15	15 / 20	15 / 20	-	-	-	-	-	-	-
	K4	15 / 20	-	-	15 / 20	15 / 20	20 / 25	20 / 25	-	-	-	-	-	-	-
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N1	-	-	-	-	-	-	-	10 / 15	20 / 25	35 / 40	35 / 40	-	-	-
	N2	25 / 30	-	-	25 / 30	25 / 30	-	-	15 / 20	25 / 30	40 / 45	40 / 45	-	-	-
	N3	20 / 25	-	-	20 / 25	20 / 25	-	-	-	20 / 25	35 / 40	35 / 40	-	-	-
	N4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N6	-	-	-	-	-	-	-	8 / 12	15 / 20	15 / 20	15 / 20	-	-	-
	N7	20 / 25	-	-	20 / 25	20 / 25	-	-	10 / 15	20 / 25	15 / 20	15 / 20	-	-	-
	N8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	-	-	-	-	20 / 25	-	-	-	-	-	-
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	5 / 8	-	-	-	-	-	-
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	-	-	-	-	-	-	-	6 / 8	-	-	-	-	-	-
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>															
	ART.	4519	4519.V	4519.1	4521.0 4521.LO	1525	4521.XS2	4521.2 4521.C2	4521.X2 4521.XC2 4521.XE2	4521.1 4521.L1	4521.V1	4521.T1	4521.6G1 4521.7G1	4821.1 4921.1	4521.U1
	PAG.	68	68	68	74 ÷ 77	78	79	80	81	82-83	82-83	82-83	84	84	85
P	P1	10 / 15	10 / 15	-	10 / 15	10 / 15	-	-	-	10 / 15	10 / 15	20 / 30	10 / 15	10 / 15	20 / 30
	P2	10 / 15	10 / 15	-	10 / 15	10 / 15	-	-	-	10 / 15	10 / 15	20 / 30	10 / 15	10 / 15	20 / 30
	P3	10 / 12	10 / 12	-	10 / 12	10 / 12	-	-	-	10 / 12	10 / 12	20 / 25	10 / 12	10 / 12	20 / 25
	P4	8 / 10	8 / 10	-	8 / 10	8 / 10	-	-	-	8 / 10	8 / 10	15 / 20	8 / 10	8 / 10	15 / 20
	P5	-	-	-	-	-	10 / 15	-	-	-	-	-	-	-	5 / 12
	P6	-	-	-	-	-	8 / 10	-	-	-	-	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	-	-	-	-	-	-	-	-	-	-	-	-	-	10 / 15
	M2	-	-	-	-	-	-	-	-	-	-	-	-	-	8 / 10
	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	6 / 8
	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K	K1	-	-	-	-	-	25 / 30	10 / 15	25 / 30	-	-	-	-	-	-
	K2	-	-	-	-	-	20 / 25	8 / 10	20 / 25	-	-	-	-	-	-
	K3	-	10 / 15	-	-	-	20 / 25	8 / 10	20 / 25	-	-	10 / 15	-	-	10 / 15
	K4	-	15 / 20	-	8 / 10	-	25 / 30	10 / 15	25 / 30	-	-	15 / 20	-	-	15 / 20
	K5	-	-	-	-	-	10 / 15	-	10 / 15	-	-	-	-	-	-
N	N1	-	-	10 / 15	-	-	-	-	-	10 / 15	10 / 15	20 / 25	10 / 15	10 / 15	-
	N2	15 / 20	15 / 20	15 / 20	15 / 20	-	-	-	-	15 / 20	15 / 20	25 / 30	15 / 20	15 / 20	25 / 30
	N3	10 / 15	10 / 15	-	10 / 15	-	-	-	-	-	-	20 / 25	-	-	20 / 25
	N4	-	-	-	-	-	25 / 30	10 / 15	-	-	-	-	-	-	-
	N5	-	-	-	-	-	30 / 40	10 / 15	-	-	-	-	-	-	-
N	N6	-	-	8 / 12	-	-	-	-	-	8 / 12	8 / 12	15 / 20	8 / 12	8 / 12	-
	N7	10 / 15	10 / 15	10 / 15	10 / 15	-	-	-	-	10 / 15	10 / 15	20 / 25	10 / 15	10 / 15	20 / 25
	N8	10 / 15	10 / 15	-	15 / 20	-	35 / 40	18 / 20	-	-	-	-	-	-	-
	N9	-	-	-	-	-	8 / 10	-	-	-	-	-	-	-	-
N	N10	-	-	8 / 10	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	8 / 10	-	20 / 25	8 / 10	-	-	-	-	-	-	-
	N12	-	-	-	-	-	10 / 15	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>																
	ART.	4521.X1	4521.S1	4521.XT1 4521.XJT1	4521.XN1 4521.XJN1	4522.1	4522.V1	4522.T1	4522.XT1 4522.XJT1	4522.XN1 4522.XJN1	4522.3 4522.L3	4522.V3	4522.T3	4522.F3	4522.6G3 4522.7G3	
	PAG.	85	85	86	87	88-89	88-89	88-89	90	91	92-93	92-93	92-93	92	94	
P	P1	-	-	-	-	10/15	10/15	20/30	-	-	10/15	10/15	20/30	20/30	10/15	
	P2	-	-	-	-	10/15	10/15	20/30	-	-	10/15	10/15	20/30	20/30	10/15	
	P3	-	20/25	-	-	10/12	10/12	20/25	-	-	10/12	10/12	20/25	20/25	10/12	
	P4	-	15/20	-	-	8/10	8/10	15/20	-	-	8/10	8/10	15/20	15/20	8/10	
	P5	5/12	5/12	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6	5/8	-	5/8	5/8	-	-	-	-	5/8	5/8	-	-	-	-	-
H	H7	-	-	-	1/3	-	-	-	-	1/3	-	-	-	-	-	
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M	M1	-	10/15	-	-	-	-	-	-	-	-	-	-	10/15	-	
	M2	-	8/10	-	-	-	-	-	-	-	-	-	-	8/10	-	
	M3	-	6/8	-	-	-	-	-	-	-	-	-	-	-	-	
	M4	-	3/6	3/6	-	-	-	-	3/6	-	-	-	-	-	-	
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	K3	15/20	-	15/20	-	-	-	10/15	15/20	-	-	-	10/15	10/15	-	
	K4	20/25	-	20/25	-	-	-	15/20	20/25	-	-	-	15/20	15/20	-	
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N1	-	-	-	-	10/15	10/15	20/25	-	-	10/15	10/15	20/25	-	10/15	
	N2	-	-	-	-	15/20	15/20	25/30	-	-	15/20	15/20	25/30	25/30	15/20	
	N3	-	-	-	-	-	-	20/25	-	-	-	-	20/25	20/25	-	
	N4	25/30	-	25/30	-	-	-	-	25/30	-	-	-	-	-	-	
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N6	-	-	-	-	8/12	8/12	15/20	-	-	8/12	8/12	15/20	-	8/12	
	N7	-	-	-	-	10/15	10/15	20/25	-	-	10/15	10/15	20/25	20/25	10/15	
	N8	25/30	-	25/30	-	-	-	-	25/30	-	-	-	-	-	-	
	N9	-	-	5/8	5/8	-	-	-	5/8	5/8	-	-	-	-	-	
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S2	-	-	4/8	-	-	-	-	4/8	-	-	-	-	-	-	
	S3	-	-	2/4	-	-	-	-	2/4	-	-	-	-	-	-	
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S5	-	-	2/4	2/4	-	-	-	2/4	2/4	-	-	-	-	-	
	S6	-	-	-	1/3	-	-	-	-	1/3	-	-	-	-	-	

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>															
	ART.	4822.3 4922.3	4522.5	4522.V5	4522.T5	4522.S8	4522.X3 4522.XC3	4522.UCB1	4522.U5 4522.UC5	4527.XH 4527.XG	4527.XCH 4527.XRH	4527.XE 4527.XCE	4563.0 4573.0	4563.2 4573.2	4563.1 4573.1
	PAG.	94	95	95	95	96	97	98	99	100	101	102	109/123	110/124	111/125
P	P1	10/15	10/15	10/15	20/30	-	-	-	20/30	-	-	-	10/15	-	10/15
	P2	10/15	10/15	10/15	20/30	-	-	-	20/30	-	-	-	10/15	-	10/15
	P3	10/12	10/12	10/12	20/25	20/25	-	20/25	20/25	30/35	30/35	30/35	10/12	-	10/12
	P4	8/10	8/10	8/10	15/20	15/20	15/20	15/20	15/20	25/30	25/30	25/30	8/10	-	8/10
	P5	-	-	-	5/12	5/12	5/12	5/12	5/12	15/20	15/20	15/20	-	-	-
	P6	-	-	-	-	-	-	-	5/8	-	-	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	-	-	6/8	-	10/15	-	-	10/15	-	-	-	-	-	-
	M2	-	-	5/7	-	8/10	-	-	8/10	10/12	10/12	10/12	-	-	-
	M3	-	-	-	-	6/8	-	-	6/8	6/10	6/10	6/10	-	-	-
	M4	-	-	-	-	3/6	-	-	-	6/8	6/8	6/8	-	-	-
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	20/25	-
	K2	-	-	-	-	-	-	-	-	-	-	-	-	15/20	-
	K3	-	-	-	-	-	15/20	-	10/15	-	-	-	-	15/20	-
	K4	-	-	-	-	-	20/25	-	15/20	-	-	-	8/10	20/25	-
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N1	10/15	-	-	-	-	-	-	-	-	-	-	-	-	10/15
	N2	15/20	15/20	-	-	-	-	-	25/30	-	-	-	15/20	-	15/20
	N3	-	-	-	20/25	-	-	-	20/25	-	-	-	10/15	-	-
	N4	-	-	-	-	-	-	-	-	-	-	-	-	25/30	-
	N5	-	-	-	-	-	-	-	-	-	-	-	-	20/30	-
N	N6	8/12	8/12	-	-	-	-	-	-	-	-	-	-	-	8/12
	N7	10/15	10/15	-	20/25	-	-	-	20/25	-	-	-	10/15	-	10/15
	N8	-	-	-	-	-	-	-	-	-	-	-	15/20	25/30	-
	N9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	-	-	-	-	-	-	-	-	8/10	10/15	-
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>															
	ART.	4563.V1 4573.V1	4563.T1 4573.T1	4563.U1 4573.U1	4563.S1 4573.S1	4563.XT1 4573.XT1	4563.XJT1 4573.XJT1	4564.1 4574.1	4564.T1 4574.T1	4564.XT1 4574.XT1	4564.XJT1 4574.XJT1	4564.3 4574.3	4564.V3 4574.V3	4564.T3 4574.T3	4564.U5 4574.U5
	PAG.	111 / 125	111 / 125	112 / 126	112 / 126	113 / 127	113 / 127	114 / 128	114 / 128	115 / 129	115 / 129	116 / 130	116 / 130	116 / 130	117 / 131
P	P1	10 / 15	20 / 30	20 / 30	-	-	-	10 / 15	20 / 30	-	-	10 / 15	10 / 15	20 / 30	20 / 30
	P2	10 / 15	20 / 30	20 / 30	-	-	-	10 / 15	20 / 30	-	-	10 / 15	10 / 15	20 / 30	20 / 30
	P3	10 / 12	20 / 25	20 / 25	20 / 25	-	-	10 / 12	20 / 25	-	-	10 / 12	10 / 12	20 / 25	20 / 25
	P4	8 / 10	15 / 20	15 / 20	15 / 20	-	-	8 / 10	15 / 20	-	-	8 / 10	8 / 10	15 / 20	15 / 20
	P5	-	-	5 / 12	5 / 12	-	-	-	-	-	-	-	-	-	5 / 12
	P6	-	-	-	-	5 / 8	5 / 8	-	-	5 / 8	5 / 8	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	-	-	10 / 15	10 / 15	-	-	-	-	-	-	-	-	-	10 / 15
	M2	-	-	8 / 10	8 / 10	-	-	-	-	-	-	-	-	-	8 / 10
	M3	-	-	6 / 8	6 / 8	-	-	-	-	-	-	-	-	-	6 / 8
	M4	-	-	-	3 / 6	3 / 6	3 / 6	-	-	3 / 6	3 / 6	-	-	-	-
K	K1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	K3	-	10 / 15	10 / 15	-	15 / 20	15 / 20	-	10 / 15	15 / 20	15 / 20	-	-	10 / 15	10 / 15
	K4	-	15 / 20	15 / 20	-	20 / 25	20 / 25	-	15 / 20	20 / 25	20 / 25	-	-	15 / 20	15 / 20
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N1	10 / 15	20 / 25	-	-	-	-	10 / 15	20 / 25	-	-	10 / 15	10 / 15	20 / 25	-
	N2	15 / 20	25 / 30	25 / 30	-	-	-	15 / 20	25 / 30	-	-	15 / 20	15 / 20	25 / 30	25 / 30
	N3	-	20 / 25	20 / 25	-	-	-	-	20 / 25	-	-	-	-	20 / 25	20 / 25
	N4	-	-	-	-	25 / 30	25 / 30	-	-	25 / 30	25 / 30	-	-	-	-
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N6	8 / 12	15 / 20	-	-	-	-	8 / 12	15 / 20	-	-	8 / 12	8 / 12	15 / 20	-
	N7	10 / 15	20 / 25	20 / 25	-	-	-	10 / 15	20 / 25	-	-	10 / 15	10 / 15	20 / 25	20 / 25
	N8	-	-	-	-	25 / 30	25 / 30	-	-	25 / 30	25 / 30	-	-	-	-
	N9	-	-	-	-	5 / 8	5 / 8	-	-	5 / 8	5 / 8	-	-	-	-
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S2	-	-	-	-	4 / 8	4 / 8	-	-	4 / 8	4 / 8	-	-	-	-
	S3	-	-	-	-	2 / 4	2 / 4	-	-	2 / 4	2 / 4	-	-	-	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	-	-	-	-	2 / 4	2 / 4	-	-	2 / 4	2 / 4	-	-	-	-
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

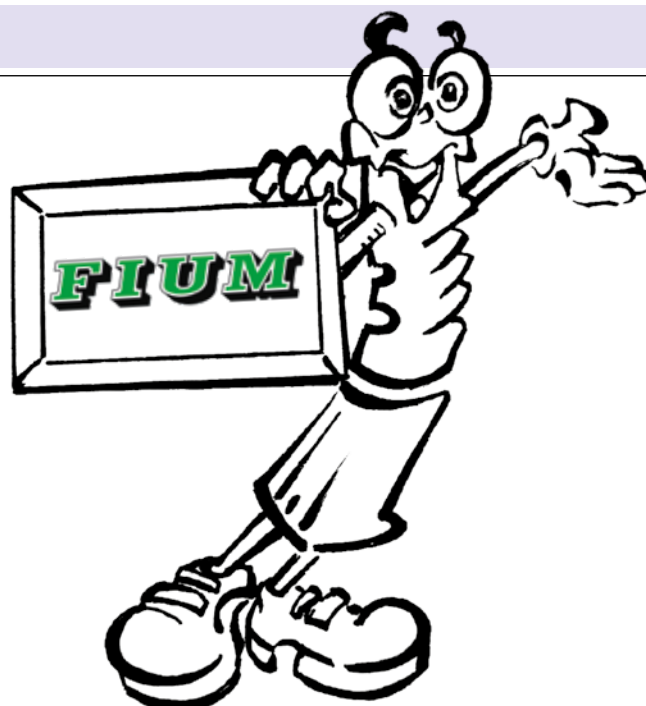
Velocità m/min sul materiale consigliato / Speed m/min on recommended material <i>Prima scelta - first choice / Seconda scelta - second choice</i>															
	ART.	4564.UC5 4574.UC5	4564.S8 4574.S8	4567.T 4577.T	4583.0.8 4583.0.12	4553.0 4593.0	4543.0	4543.2	4543.1 4843.1	4543.V1	4543.T1	4543.U1	4543.S1	4544.1	4544.V1
	PAG.	117 / 131	117 / 131	118 / 132	136	137	141	142	143	143	143	144	144	145	145
P	P1	20 / 30	-	20 / 30	10 / 15	10 / 15	10 / 15	-	10 / 15	10 / 15	20 / 30	20 / 30	-	10 / 15	10 / 15
	P2	20 / 30	-	20 / 30	10 / 15	10 / 15	10 / 15	-	10 / 15	10 / 15	20 / 30	20 / 30	-	10 / 15	10 / 15
	P3	20 / 25	20 / 25	20 / 25	10 / 12	10 / 12	10 / 12	-	10 / 12	10 / 12	20 / 25	20 / 25	20 / 25	10 / 12	10 / 12
	P4	15 / 20	15 / 20	15 / 20	8 / 10	8 / 10	8 / 10	-	8 / 10	8 / 10	15 / 20	15 / 20	15 / 20	8 / 10	8 / 10
	P5	5 / 12	5 / 12	-	-	-	-	-	-	-	-	-	5 / 12	5 / 12	-
	P6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M	M1	10 / 15	10 / 15	10 / 15	-	-	-	-	-	-	-	10 / 15	10 / 15	-	-
	M2	8 / 10	8 / 10	10 / 12	-	-	-	-	-	-	-	8 / 10	8 / 10	-	-
	M3	6 / 8	6 / 8	6 / 10	-	-	-	-	-	-	-	6 / 8	6 / 8	-	-
	M4	-	3 / 6	-	-	-	-	-	-	-	-	-	3 / 6	-	-
K	K1	-	-	-	-	-	-	20 / 25	-	-	-	-	-	-	-
	K2	-	-	-	-	-	-	15 / 20	-	-	-	-	-	-	-
	K3	10 / 15	-	-	-	-	-	15 / 20	-	-	10 / 15	10 / 15	-	-	-
	K4	15 / 20	-	-	8 / 10	8 / 10	8 / 10	20 / 25	-	-	15 / 20	15 / 20	-	-	-
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N1	-	-	10 / 15	-	-	-	-	10 / 15	10 / 15	20 / 25	-	-	10 / 15	10 / 15
	N2	25 / 30	-	25 / 30	15 / 20	15 / 20	15 / 20	-	15 / 20	15 / 20	25 / 30	25 / 30	-	15 / 20	15 / 20
	N3	20 / 25	-	20 / 25	10 / 15	10 / 15	10 / 15	-	-	-	20 / 25	20 / 25	-	-	-
	N4	-	-	-	-	-	-	25 / 30	-	-	-	-	-	-	-
	N5	-	-	-	-	-	-	20 / 30	-	-	-	-	-	-	-
N	N6	-	-	15 / 20	-	-	-	-	8 / 12	8 / 12	15 / 20	-	-	8 / 12	8 / 12
	N7	20 / 25	-	20 / 25	10 / 15	10 / 15	10 / 15	-	10 / 15	10 / 15	20 / 25	20 / 25	-	10 / 15	10 / 15
	N8	-	-	-	15 / 20	15 / 20	15 / 20	25 / 30	-	-	-	-	-	-	-
	N9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N11	-	-	-	8 / 10	8 / 10	8 / 10	10 / 15	-	-	-	-	-	-	-
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Velocità m/min sul materiale consigliato / Speed m/min on recommended material		Prima scelta - first choice / Seconda scelta - second choice														
	ART.	4544.T1	4544.3 4844.3	4544.V3	4544.T3	4544.F4	4544.U5 4544.UC5	4544.S8	4547.X 4547.XC	4542.0 4555	4542.T0 4555.T	4445.2 4445.3 4445.4	4445.2V1 4445.3V1 4445.4V1	4545.2 4545.3 4545.4	4545.F2 4545.F3 4545.F4	
	PAC.	145	146	146	146	147	148	148	149	150 / 164	150 / 164	154/156/158	154/156/158	155 / 157 / 159	155 / 157 / 159	
P	P1	20 / 30	10 / 15	10 / 15	20 / 30	20 / 30	20 / 30	-	-	10 / 15	20 / 30	12 / 15	12 / 15	12 / 15	12 / 15	
	P2	20 / 30	10 / 15	10 / 15	20 / 30	20 / 25	20 / 30	-	-	10 / 15	20 / 30	10 / 12	10 / 12	10 / 12	10 / 12	
	P3	20 / 25	10 / 12	10 / 12	20 / 25	15 / 20	20 / 25	20 / 25	30 / 35	10 / 12	20 / 25	8 / 10	8 / 10	8 / 10	8 / 10	
	P4	15 / 20	8 / 10	8 / 10	15 / 20	5 / 12	15 / 20	15 / 20	25 / 30	8 / 10	15 / 20	6 / 8	6 / 8	6 / 8	6 / 8	
	P5	-	-	-	-	-	-	5 / 12	5 / 12	15 / 20	-	-	-	-	-	-
	P6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	H7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	H8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M	M1	-	-	-	-	10 / 15	10 / 15	10 / 15	-	-	-	-	3 / 5	-	3 / 5	
	M2	-	-	-	-	8 / 10	8 / 10	8 / 10	10 / 12	-	-	-	2 / 4	-	2 / 4	
	M3	-	-	-	-	6 / 8	6 / 8	6 / 8	6 / 10	-	-	-	2 / 3	-	2 / 3	
	M4	-	-	-	-	-	-	3 / 6	6 / 8	-	-	-	-	-	-	
K	K1	-	-	-	-	-	-	-	-	-	-	8 / 10	-	8 / 10	8 / 10	
	K2	-	-	-	-	-	-	-	-	-	-	6 / 8	-	6 / 8	6 / 8	
	K3	10 / 15	-	-	10 / 15	-	10 / 15	-	-	-	-	8 / 10	-	8 / 10	8 / 10	
	K4	15 / 20	-	-	15 / 20	-	15 / 20	-	-	8 / 10	15 / 20	10 / 12	-	10 / 12	10 / 12	
	K5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N1	20 / 25	10 / 15	10 / 15	20 / 25	-	-	-	-	-	-	-	-	-	-	
	N2	25 / 30	15 / 20	15 / 20	25 / 30	-	25 / 30	-	-	15 / 20	25 / 30	-	12 / 15	-	-	
	N3	20 / 25	-	-	20 / 25	-	20 / 25	-	-	10 / 15	20 / 25	10 / 12	10 / 12	10 / 12	10 / 12	
	N4	-	-	-	-	-	-	-	-	-	-	8 / 10	-	8 / 10	8 / 10	
	N5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N6	15 / 20	8 / 12	8 / 12	15 / 20	-	-	-	-	-	-	-	-	-	-	
	N7	20 / 25	10 / 15	10 / 15	20 / 25	-	20 / 25	-	-	10 / 15	20 / 25	6 / 8	6 / 8	6 / 8	6 / 8	
	N8	-	-	-	-	-	-	-	-	15 / 20	25 / 30	10 / 12	10 / 12	10 / 12	10 / 12	
	N9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N	N10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	N11	-	-	-	-	-	-	-	-	8 / 10	10 / 15	-	-	-	-	
	N12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	S1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S	S4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	S6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Velocità m/min sul materiale consigliato / Speed m/min on recommended material		Prima scelta - first choice / Seconda scelta - second choice													
	ART.	4533.1	4534.3	4211.0 4211.L0	4211.1 4211.L1	4311.1 4313.1	4311.F1 4313.F1	4312.1 4314.1	4312.3 4314.3	4312.F3 4314.F3					
	PAC.	163	163	165	165	166	166	167	167	167					
P	P1	10 / 15	10 / 15	6 / 8	6 / 8	10 / 15	20 / 30	10 / 15	10 / 15	20 / 30					
	P2	10 / 15	10 / 15	4 / 6	4 / 6	10 / 15	20 / 30	10 / 15	10 / 15	20 / 30					
	P3	10 / 12	10 / 12	2 / 4	2 / 4	10 / 12	20 / 25	10 / 12	10 / 12	20 / 25					
	P4	8 / 10	8 / 10	2 / 4	2 / 4	8 / 10	15 / 20	8 / 10	8 / 10	15 / 20					
	P5	-	-	-	-	-	-	-	-	-					
	P6	-	-	-	-	-	-	-	-	-					
H	H7	-	-	-	-	-	-	-	-	-					
	H8	-	-	-	-	-	-	-	-	-					
M	M1	-	-	-	-	-	10 / 15	-	-	10 / 15					
	M2	-	-	-	-	-	8 / 10	-	-	8 / 10					
	M3	-	-	-	-	-	-	-	-	-					
	M4	-	-	-	-	-	-	-	-	-					
K	K1	-	-	6 / 8	-	-	-	-	-	-					
	K2	-	-	3 / 5	-	-	-	-	-	-					
	K3	-	-	3 / 5	3 / 5	-	10 / 15	-	-	10 / 15					
	K4	-	-	6 / 8	3 / 5	-	15 / 20	-	-	15 / 20					
	K5	-	-	-	-	-	-	-	-	-					
N	N1	10 / 15	10 / 15	-	-	10 / 15	-	10 / 15	10 / 15	-					
	N2	15 / 20	15 / 20	-	-	15 / 20	25 / 30	15 / 20	15 / 20	25 / 30					
	N3	-	-	-	-	-	20 / 25	-	-	20 / 25					
	N4	-	-	6 / 8	6 / 8	-	-	-	-	-					
	N5	-	-	-	-	-	-	-	-	-					
N	N6	8 / 12	8 / 12	-	-	8 / 12	-	8 / 12	8 / 12	-					
	N7	10 / 15	10 / 15	-	3 / 5	10 / 15	20 / 25	10 / 15	10 / 15	20 / 25					
	N8	-	-	3 / 5	3 / 5	-	-	-	-	-					
	N9	-	-	-	-	-	-	-	-	-					
N	N10	-	-	-	-	-	-	-	-	-					
	N11	-	-	-	-	-	-	-	-	-					
	N12	-	-	-	-	-	-	-	-	-					
S	S1	-	-	-	-	-	-	-	-	-					
	S2	-	-	-	-	-	-	-	-	-					
	S3	-	-	-	-	-	-	-	-	-					
S	S4	-	-	-	-	-	-	-	-	-					
	S5	-	-	-	-	-	-	-	-	-					
	S6	-	-	-	-	-	-	-	-	-					

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M

Filettatura metrica a passo grosso ISO/DIN 13
ISO Metric Coarse Thread ISO/DIN 13

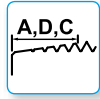
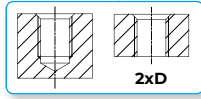
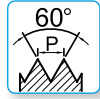
MASCHI A MANO - HAND TAPS

MASCHI A MANO DIN 352 in serie di 3 pezzi HSS M2
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H



HAND TAPS DIN 352 set of 3 HSS M2
ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

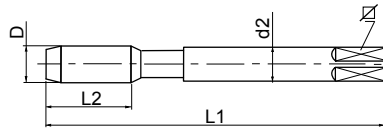
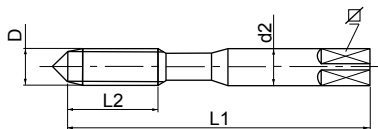
HSS



1415

DIN 352

DIN 352



DIN 352							1415	
D	p	L ₁	L ₂	d ₂	∠		serie / set	finitore / 3 rd
2	0,4	36	8	2,8	2,1	1,60	37,78	17,05
2,5	0,45	40	9	2,8	2,1	2,05	37,78	17,05
3	0,5	40	11	3,5	2,7	2,50	26,36	9,67
3,5	0,6	45	13	4,0	3,0	2,90	30,77	13,86
4	0,7	45	13	4,5	3,4	3,30	26,99	9,90
4,5	0,75	50	16	6,0	4,9	3,75	35,53	15,95
5	0,8	50	16	6,0	4,9	4,20	26,99	9,90
6	1	50	19	6,0	4,9	5,00	26,99	9,90
7	1	50	19	6,0	4,9	6,00	36,88	16,61
8	1,25	56	22	6,0	4,9	6,75	31,48	11,54
9	1,25	63	22	7,0	5,5	7,75	45,07	20,24
10	1,5	70	24	7,0	5,5	8,50	40,13	14,71
11	1,5	70	24	8,0	6,2	9,50	61,17	27,50
12	1,75	75	29	9,0	7,0	10,25	51,55	18,90
14	2	80	30	11,0	9,0	12,00	64,32	23,58
16	2	80	32	12,0	9,0	14,00	76,46	28,04
18	2,5	95	34	14,0	11,0	15,50	111,64	40,93
20	2,5	95	34	16,0	12,0	17,50	129,27	47,40
22	2,5	100	34	18,0	14,5	19,50	158,60	72,93
24	3	110	38	18,0	14,5	21,00	180,27	82,94
27	3	110	38	20,0	16,0	24,00	245,86	113,08
30	3,5	125	45	22,0	18,0	26,50	289,57	133,32
33	3,5	125	45	25,0	20,0	29,50	426,57	*
36	4	150	55	28,0	22,0	32,00	516,53	*
39	4	150	55	32,0	24,0	35,00	648,68	*
42	4,5	150	60	32,0	24,0	37,50	816,71	-
45	4,5	160	60	36,0	29,0	40,50	921,33	-
48	5	180	65	36,0	29,0	43,00	1064,90	-
52	5	180	65	40,0	32,0	47,00	1178,51	-
56	5,5	180	65	40,0	32,0	50,50	*	-
60	5,5	200	65	45,0	35,0	54,50	*	-
64	6	220	65	50,0	39,0	58,00	*	-
68	6	220	65	50,0	39,0	62,00	*	-

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K1 - K2 - K3 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MANO - HAND TAPS

MASCHI A MANO DIN 352 in serie di 3 pezzi HSS M2
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H



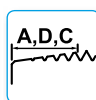
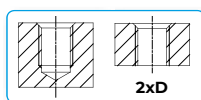
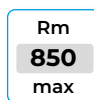
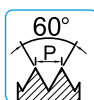
Filettatura SINISTRA

HAND TAPS DIN 352 set of 3 HSS M2
ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H
LEFT HAND Thread

HSS

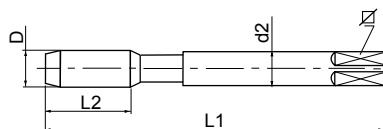
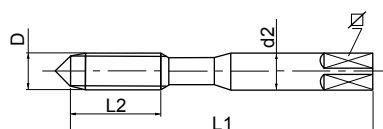


1415.1



DIN 352

DIN 352



DIN 352							1415.1	
D	p	L ₁	L ₂	d ₂	∅		serie / set	finitore / 3 rd
3	0,5	40	11	3,5	2,7	2,50	42,28	19,14
4	0,7	45	13	4,5	3,4	3,30	42,28	19,14
5	0,8	50	16	6,0	4,9	4,20	42,28	19,14
6	1	56	19	6,0	4,9	5,00	42,28	19,14
7	1	56	19	6,0	4,9	6,00	56,68	*
8	1,25	63	22	6,0	4,9	6,75	47,23	21,34
10	1,5	70	24	7,0	5,5	8,50	60,18	27,17
12	1,75	75	28	9,0	7,0	10,25	77,36	34,87
14	2	80	30	11,0	9,0	12,00	96,43	43,45
16	2	80	30	12,0	9,0	14,00	110,20	51,81
18	2,5	95	34	14,0	11,0	15,50	163,65	-
20	2,5	95	34	16,0	12,0	17,50	180,42	*
22	2,5	100	34	18,0	14,5	19,50	211,78	-
24	3	110	38	18,0	14,5	21,00	250,29	*

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

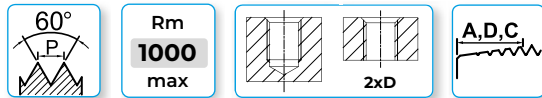
Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MANO - HAND TAPS

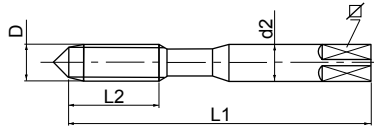
MASCHI A MANO DIN 352 in serie di 3 pezzi **HSSE M35 5%Co** - Rivestiti SST
 Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

*HAND TAPS DIN 352 set of 3 **HSSE M35 5%Co** - SST coated
 ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX***

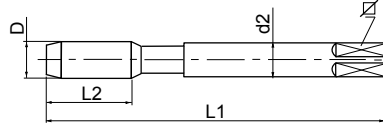
 HSSE




DIN 352



DIN 352



DIN 352							1415.V	
D	p	L ₁	L ₂	d ₂	∅		serie / set	finitore / 3 rd
3	0,5	40	9	3,5	2,7	2,50	64,90	21,67
4	0,7	45	13	4,5	3,4	3,30	64,90	21,67
5	0,8	50	16	6,0	4,9	4,20	64,90	21,67
6	1	50	19	6,0	4,9	5,00	64,90	21,67
8	1,25	56	22	6,0	4,9	6,75	80,08	26,73
10	1,5	70	22	7,0	5,5	8,50	97,46	32,56
12	1,75	75	28	9,0	7,0	10,25	115,17	38,39
14	2	80	30	11,0	9,0	12,00	*	*
16	2	80	30	12,0	9,0	14,00	*	*
18	2,5	95	34	14,0	11,0	15,50	*	-
20	2,5	95	34	16,0	12,0	17,50	*	-

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K1 - K2 - K3 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MACCHINA - MASCHI A MACCHINA

MASCHI A MACCHINA per DADI HSS M2

SCANALATURE DIRITTE

Filettatura metrica ISO/DIN 13 – UNI 4535 a passo grosso – 6H

Imbocco 18 - 20 filetti



NUT MACHINE TAPS HSS M2

STRAIGHT FLUTES

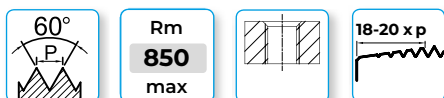
ISO Metric Coarse Thread – UNI 4535 – DIN 13 – 6H

Chamfer 18 - 20 threads

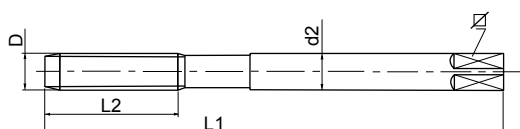
 HSS




1515



DIN 357



DIN 357							1515
D	p	L ₁	L ₂	d ₂	∠		
3	0,5	70	22	2,2	-	2,50	30,92
4	0,7	90	25	2,8	2,1	3,30	30,47
5	0,8	100	28	3,5	2,7	4,20	30,47
6	1	110	32	4,5	3,4	5,00	30,47
8	1,25	125	40	6,0	4,9	6,75	35,97
10	1,5	140	45	7,0	5,5	8,50	41,58
12	1,75	180	50	9,0	7,0	10,25	60,94
14	2	200	56	11,0	9,0	12,00	83,38
16	2	200	63	12,0	9,0	14,00	89,76
18	2,5	220	63	14,0	11,0	15,50	97,76
20	2,5	250	70	16,0	12,0	17,50	106,52
22	2,5	280	80	18,0	14,5	19,50	124,23
24	3	280	80	18,0	14,5	21,00	142,10

Materiali / Application: P1 - P2 - P3 - P4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

MACHINE TAPS **HSSE M35 5% Co**

STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

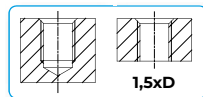
 HSSE



4511.0

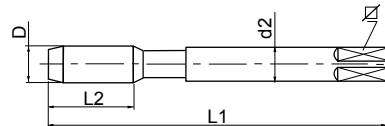
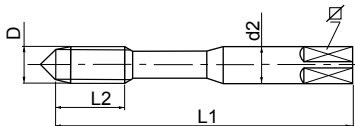



4513.0



DIN 371

DIN 376



		DIN 371				DIN 376			4511.0	4513.0
D	p	L ₁	L ₂	d ₂	∠	d ₂	∠			
2	0,4	45	10	2,8	2,1			1,60	19,69	-
2,5	0,45	50	13	2,8	2,1			2,05	19,69	-
3	0,5	56	10	3,5	2,7			2,50	17,60	-
3,5	0,6	56	11	4,0	3,0			2,90	19,91	-
4	0,7	63	13	4,5	3,4	2,8	2,1	3,30	17,60	19,47
5	0,8	70	13	6,0	4,9	3,5	2,7	4,20	17,60	19,47
6	1	80	16	6,0	4,9	4,5	3,4	5,00	17,60	19,47
7	1	80	16	7,0	5,5			6,00	23,54	-
8	1,25	90	18	8,0	6,2	6,0	4,9	6,75	24,53	22,77
9	1,25	90	18	9,0	7,0			7,75	29,48	-
10	1,5	100	20	10,0	8,0	7,0	5,5	8,50	26,84	25,41
12	1,75	110	25			9,0	7,0	10,25	-	28,71
14	2	110	28			11,0	9,0	12,00	-	40,48
16	2	110	28			12,0	9,0	14,00	-	43,78
18	2,5	125	33			14,0	11,0	15,50	-	66,33
20	2,5	140	33			16,0	12,0	17,50	-	69,52
22	2,5	140	33			18,0	14,5	19,50	-	84,15
24	3	160	39			18,0	14,5	21,00	-	101,53
27	3	160	39			20,0	16,0	24,00	-	131,01
30	3,5	180	46			22,0	18,0	26,50	-	164,78
33	3,5	180	46			25,0	20,0	29,50	-	227,15
36	4	200	50			28,0	22,0	32,00	-	335,06
39	4	200	50			32,0	24,0	35,00	-	450,67
42	4,5	200	55			32,0	24,0	37,50	-	533,61
° 45	4,5	220	60			36,0	29,0	40,50	-	584,76
° 48	5	250	65			36,0	29,0	43,00	-	768,13
° 52	5	250	65			40,0	32,0	47,00	-	877,25

N.B.: M8 ed M10 centro femmina - DIN 376 M4 ÷ M6 centro maschio / M8 and M10 female center - DIN 376 M4 ÷ M6 male center

° Acciaio HSS / HSS steel

Materiali / Application : P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

Filettatura SINISTRA

MACHINE TAPS **HSSE M35 5% Co**

STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

LEFT HAND Thread

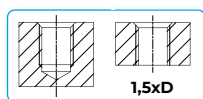
 HSSE



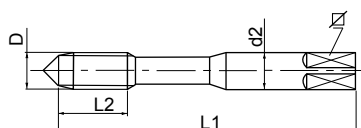
4511.LO



4513.LO

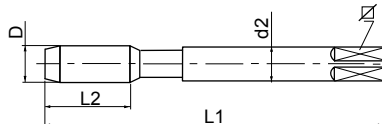


DIN 371




≤ M8

DIN 376



≥ M12

DIN 371 / DIN 376							4511.LO	4513.LO
D	p	L ₁	L ₂	d ₂	∅			
3	0,5	56	10	3,5	2,7	2,50	26,29	-
4	0,7	63	13	4,5	3,4	3,30	26,29	-
5	0,8	70	13	6,0	4,9	4,20	26,40	-
6	1	80	16	6,0	4,9	5,00	26,40	-
8	1,25	90	18	8,0	6,2	6,75	32,67	-
10	1,5	100	20	10,0	8,0	8,50	35,97	-
12	1,75	110	25	9,0	7,0	10,25	-	43,12
14	2	110	28	11,0	9,0	12,00	-	60,94
16	2	110	28	12,0	9,0	14,00	-	65,89
18	2,5	125	33	14,0	11,0	15,50	-	86,13
20	2,5	140	33	16,0	12,0	17,50	-	90,31
Altre dimensioni su richiesta / Other dimensions on demand								
Materiali / Application : P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11								

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE DIRITTE - imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento HPC

Per materiali ad alta resistenza fino a 45 HRC

MACHINE TAPS **HSS-Co-PM**

STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

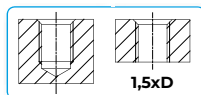
HPC coated

For high resistance materials until 45 HRC

 HSS-Co-PM

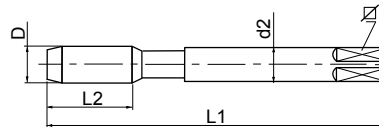
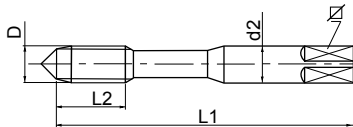



≤ 45HRC



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.X0	4513.X0
D	p	L ₁	L ₂	d ₂	∅		HPC	HPC
4	0,7	63	13	4,5	3,4	3,30	36,85	-
5	0,8	70	13	6,0	4,9	4,20	36,85	-
6	1	80	16	6,0	4,9	5,00	36,85	-
8	1,25	90	18	8,0	6,2	6,80	46,42	-
10	1,5	100	20	10,0	8,0	8,50	49,94	-
12	1,75	110	25	9,0	7,0	10,30	-	63,91
14	2	110	28	11,0	9,0	12,00	-	81,40
16	2	110	28	12,0	9,0	14,00	-	97,46

Materiali / Application : P5 - P6 / N3 - N4 - N5 / N8 - N9 / N11 - N12

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE DIRITTE - imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento AlCrN

Per materiali ad alta resistenza fino a 52 HRC

MACHINE TAPS **HSS-Co-PM**

STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

AlCrN coated

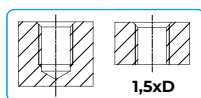
For high resistance materials until 52 HRC

 HSS-Co-PM

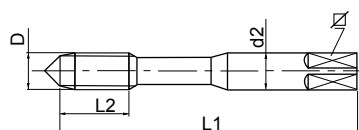


4511.XF0

≤ 52HRC

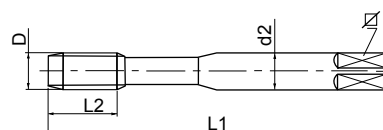


NORMA DI FABBRICA - FIUM NORM




M6

NORMA DI FABBRICA - FIUM NORM



≥ M8

NORMA DI FABBRICA							4511.XF0
D	p	L ₁	L ₂	d ₂	∅		AlCrN
6	1	80	18	6,0	4,9	5,00	43,78
8	1,25	90	25	8,0	6,2	6,80	51,81
10	1,5	100	30	10,0	8,0	8,50	57,42
12	1,75	110	30	12,0	9,0	10,30	79,09

Materiali / Application : H7 / H9

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - imbocco "C"

Filettatura metrica ISO/DIN13 - UNI 4535 a passo grosso - **6HX**

Rivestimento TICN per GHISA

MACHINE TAPS **HSSE M35 5% Co**

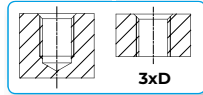
STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

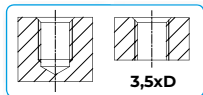
TICN coated for CAST IRON



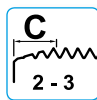
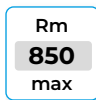
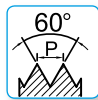
HSSE



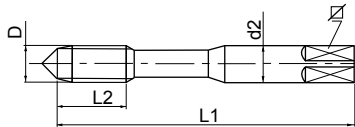
4511.2
4513.2



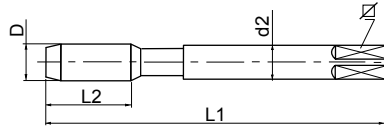
4511.C2
4513.C2



DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.2	4513.2	4511.C2	4513.C2
D	p	L ₁	L ₂	d ₂	∠				FORATI with central hole	FORATI with central hole
3	0,5	56	10	3,5	2,7	2,50	27,17	-	-	-
4	0,7	63	13	4,5	3,4	3,30	27,17	-	-	-
5	0,8	70	13	6,0	4,9	4,20	27,17	-	-	-
6	1	80	16	6,0	4,9	5,00	27,17	-	48,07	-
8	1,25	90	18	8,0	6,2	6,75	34,65	-	66,00	-
10	1,5	100	20	10,0	8,0	8,50	38,06	-	74,69	-
12	1,75	110	25	9,0	7,0	10,25	-	47,85	-	52,64
14	2	110	28	11,0	9,0	12,00	-	64,90	-	71,39
16	2	110	28	12,0	9,0	14,00	-	70,62	-	77,68
18	2,5	125	33	14,0	11,0	15,50	-	93,17	-	102,49
20	2,5	140	33	16,0	12,0	17,50	-	103,51	-	113,86

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application : K1 - K2 - K3 - K4 - K5 / N4 - N5 / N8 / N11

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE DIRITTE - **per GHISA**

Filettatura metrica ISO/DIN13 – UNI 4535 a passo grosso – **6HX**

Rivestimento TiAlN **Rivestimento AlCrN**

MACHINE TAPS **HSS-Co-PM**

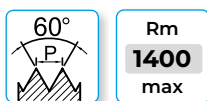
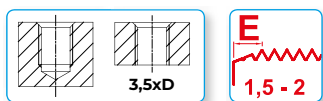
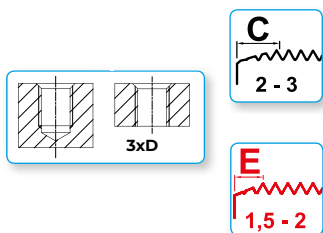
STRAIGHT FLUTES - **for CAST IRON**

ISO Metric Coarse Thread – UNI 4535 – DIN 13 – **6HX**

TiAlN coated **AlCrN coated**

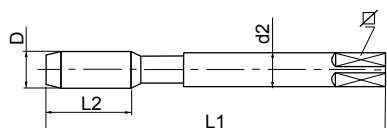
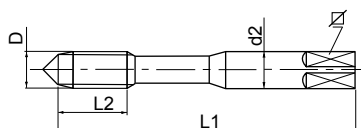


HSS-Co-PM



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.X2	4513.X2	4511.XE2	4513.XE2	4511.XCE2	4513.XCE2
D	p	L ₁	L ₂	d ₂	∠		IMBOCCO "C" Chamfer "C"	IMBOCCO "C" Chamfer "C"	IMBOCCO "E" Chamfer "E"	IMBOCCO "E" Chamfer "E"	IMBOCCO "E" FORATI Chamfer "E" with hole	IMBOCCO "E" FORATI Chamfer "E" with hole
6	1	80	16	6,0	4,9	5,00	36,30	-	43,78	-	64,68	-
8	1,25	90	18	8,0	6,2	6,75	44,00	-	50,38	-	76,78	-
10	1,5	100	20	10,0	8,0	8,50	50,93	-	56,21	-	85,91	-
12	1,75	110	25	9,0	7,0	10,25	-	11,28	-	70,18	-	104,28
14	2	110	28	11,0	9,0	12,00	-	13,20	-	-	-	-
16	2	110	28	12,0	9,0	14,00	-	15,40	-	-	-	-

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application : K1 - K2 - K3 - K4 - K5

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE DIRITTE - imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento HPC

MASCHIATURA RIGIDA SINCRONIZZATA

MACHINE TAPS **HSS-Co-PM**

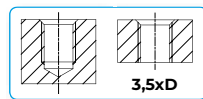
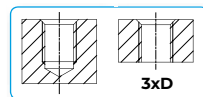
STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

HPC coated

RIGID TAPPING SYNCHRO

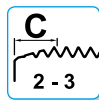
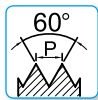
 HSS-Co-PM



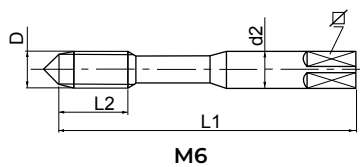
4511.XS2



4511.XC2

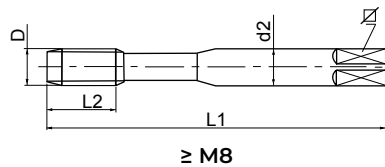


DIN 371




M6

DIN 371



≥ M8

D	p	DIN 371			d ₂	∅		4511.XS2	4511.XC2
		L ₁	L ₂					FORO CENTRALE with central hole	
6	1	80	10	6,0	4,9	5,00	47,85	78,98	
8	1,25	90	13	8,0	6,2	6,80	51,26	75,46	
10	1,5	100	15	10,0	8,0	8,50	59,29	94,71	
12	1,75	110	18	12,0	9,0	10,30	73,59	112,53	
16	2	110	20	16,0	12,0	14,00	112,75	155,32	

Materiali / Application : P5 - P6 / K1 - K2 - K3 - K4 - K5 / N4 - N5 / N8 - N9 / N11 - N12

N.B.: d₂ tolleranza h6 / d₂ tolerance h6

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA HSS M2

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H



MACHINE TAPS HSS M2

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

■ HSS



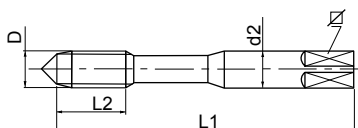
1511.1



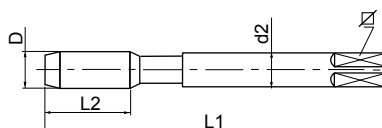
1513.1



DIN 371



DIN 376



D	p	DIN 371				DIN 376			1511.1	1513.1
		L ₁	L ₂	d ₂	∇	d ₂	∇	∇		
3	0,5	56	10	3,5	2,7			2,50	14,60	-
4	0,7	63	13	4,5	3,4	2,8	2,1	3,30	14,60	14,60
5	0,8	70	13	6,0	4,9	3,5	2,7	4,20	14,60	14,60
6	1	80	16	6,0	4,9	4,5	3,4	5,00	14,60	-
8	1,25	90	18	8,0	6,2	6,0	4,9	6,75	16,49	16,49
10	1,5	100	20	10,0	8,0	7,0	5,5	8,50	19,74	19,74
12	1,75	110	25			9,0	7,0	10,25	-	25,68

Materiali / Application : P1 - P2 - P3 - P4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

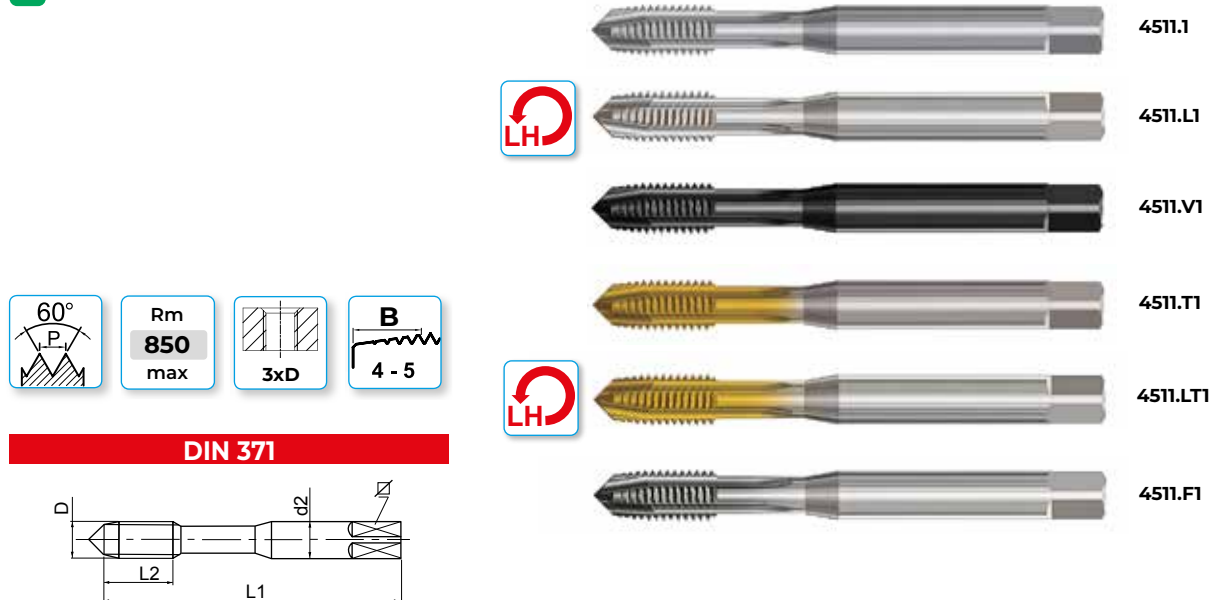
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H


MACHINE TAPS **HSSE M35 5% Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

 HSSE



DIN 371							4511.1	4511.L1	4511.V1	4511.T1	4511.LT1	4511.F1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	ST	TIN	TIN	HPC
2	0,4	45	10	2,8	2,1	1,60	26,07	-	31,24	*	-	*
2,5	0,45	50	13	2,8	2,1	2,05	26,07	-	31,24	*	-	*
3	0,5	56	10	3,5	2,7	2,50	19,03	-	22,88	28,16	-	32,00
3,5	0,6	56	11	4,0	3,0	2,90	22,99	-	26,95	32,78	-	*
4	0,7	63	13	4,5	3,4	3,30	19,03	*	22,88	28,16	*	32,00
5	0,8	70	13	6,0	4,9	4,20	19,47	29,26	22,88	28,71	39,60	32,00
6	1	80	16	6,0	4,9	5,00	19,47	29,26	22,88	28,71	38,06	32,00
7	1	80	16	7,0	5,5	6,00	27,06	-	31,57	41,47	-	*
8	1,25	90	18	8,0	6,2	6,75	22,99	33,44	27,06	35,86	46,31	40,30
10	1,5	100	20	10,0	8,0	8,50	25,41	36,52	29,81	39,93	51,04	45,30

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
 HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

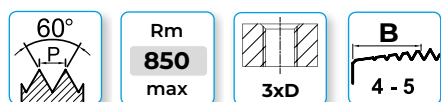
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

MACHINE TAPS **HSSE M35 5% Co**

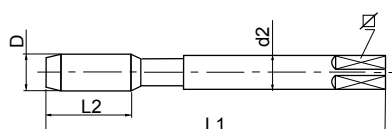
STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

 HSSE



DIN 376



4513.1



4513.L1



4513.V1




4513.T1



4513.LT1



4513.F1

DIN 376							4513.1	4513.L1	4513.V1	4513.T1	4513.LT1	4513.F1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	ST	TIN	TIN	HPC
4	0,7	63	13	2,8	2,1	3,30	21,89	-	25,52	31,68	-	*
5	0,8	70	13	3,5	2,7	4,20	21,89	-	25,41	30,69	-	*
6	1	80	16	4,5	3,4	5,00	21,89	-	25,41	30,69	-	*
8	1,25	90	18	6,0	4,9	6,75	24,64	-	29,04	37,51	-	39,85
10	1,5	100	20	7,0	5,5	8,50	26,29	-	30,69	40,70	-	45,32
12	1,75	110	25	9,0	7,0	10,25	33,11	49,94	37,84	49,50	69,52	58,51
14	2	110	28	11,0	9,0	12,00	44,00	63,36	49,72	63,25	86,02	77,03
16	2	110	28	12,0	9,0	14,00	48,29	73,81	54,34	71,28	94,05	80,93
18	2,5	125	33	14,0	11,0	15,50	72,82	*	80,08	99,66	*	113,50
20	2,5	140	33	16,0	12,0	17,50	77,99	*	92,95	112,09	*	126,62
22	2,5	140	33	18,0	14,5	19,50	92,73	*	104,50	137,94	*	*
24	3	160	39	18,0	14,5	21,00	111,76	*	132,66	166,54	*	*
27	3	160	39	20,0	16,0	24,00	144,10	*	158,07	189,97	*	*
30	3,5	180	46	22,0	18,0	26,50	194,92	*	212,74	276,54	*	*
33	3,5	180	46	25,0	20,0	29,50	269,50	-	292,93	350,02	-	-
36	4	200	50	28,0	22,0	32,00	361,90	-	381,37	474,43	-	-
39	4	200	50	32,0	24,0	35,00	486,20	-	503,25	601,92	-	-
42	4,5	200	55	32,0	24,0	37,50	575,30	-	604,23	721,60	-	-
°45	4,5	220	60	36,0	29,0	40,50	631,07	-	664,95	813,89	-	-
°48	5	250	65	36,0	29,0	43,00	816,31	-	858,33	1037,74	-	-
°52	5	250	65	40,0	32,0	47,00	943,03	-	1001,33	1166,00	-	-

°Acciaio HSS / HSS steel

*Prezzo a richiesta / Price on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6G**

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6G**

 HSSE



4511.6G1
4513.6G1



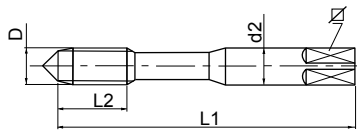
4511.6GT1
4513.6GT1



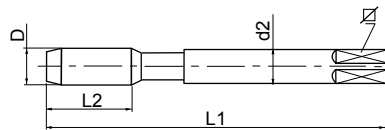
4511.6GF1
4513.6GF1




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.6G1	4513.6G1	4511.6GT1	4513.6GT1	4511.6GF1	4513.6GF1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	10	3,5	2,7	2,50	22,66	-	31,68	-	35,68	-
4	0,7	63	13	4,5	3,4	3,30	22,66	-	31,68	-	35,68	-
5	0,8	70	13	6,0	4,9	4,20	22,66	-	31,68	-	35,68	-
6	1	80	16	6,0	4,9	5,00	22,66	-	31,68	-	35,68	-
7	1	80	16	7,0	5,5	6,00	*	-	*	-	*	-
8	1,25	90	18	8,0	6,2	6,75	25,19	-	37,62	-	46,21	-
10	1,5	100	20	10,0	8,0	8,50	27,83	-	41,91	-	50,75	-
12	1,75	110	25	9,0	7,0	10,25	-	37,73	-	56,10	-	67,65
14	2	110	28	11,0	9,0	12,00	-	*	-	*	-	*
16	2	110	28	12,0	9,0	14,00	-	*	-	*	-	*

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

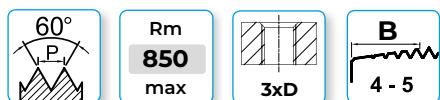
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 7G**

MACHINE TAPS **HSSE M35 5%Co**

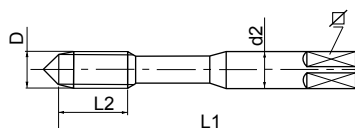
STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 7G**

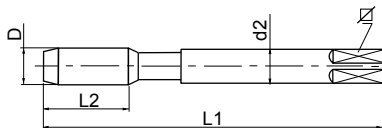
 HSSE




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.7G1	4513.7G1	4511.7GT1	4513.7GT1	4511.7GF1	4513.7GF1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	10	3,5	2,7	2,50	*	-	*	-	*	-
4	0,7	63	13	4,5	3,4	3,30	*	-	*	-	*	-
5	0,8	70	13	6,0	4,9	4,20	22,66	-	31,68	-	35,68	-
6	1	80	16	6,0	4,9	5,00	22,66	-	31,68	-	35,68	-
8	1,25	90	18	8,0	6,2	6,75	25,19	-	37,62	-	46,21	-
10	1,5	100	20	10,0	8,0	8,50	27,83	-	41,91	-	50,75	-
12	1,75	110	25	9,0	7,0	10,25	-	37,73	-	56,10	-	67,65
14	2	110	28	11,0	9,0	12,00	-	*	-	*	-	*
16	2	110	28	12,0	9,0	14,00	-	*	-	*	-	*

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N7
 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
 HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

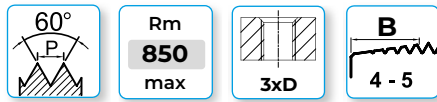
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 4H**

MACHINE TAPS **HSSE M35 5%Co**

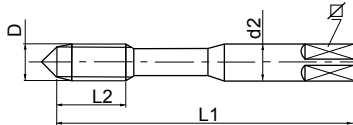
STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 4H**

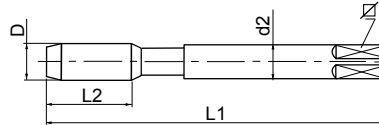
 HSSE



DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.4H1	4513.4H1	4511.4HT1	4513.4HT1
D	p	L ₁	L ₂	d ₂	□	□	nudi/naked	nudi/naked	TIN	TIN
3	0,5	56	10	3,5	2,7	2,50	*	-	*	-
4	0,7	63	13	4,5	3,4	3,30	*	-	*	-
5	0,8	70	13	6,0	4,9	4,20	22,66	-	31,68	-
6	1	80	16	6,0	4,9	5,00	22,66	-	31,68	-
8	1,25	90	18	8,0	6,2	6,75	25,19	-	37,62	-
10	1,5	100	20	10,0	8,0	8,50	27,83	-	41,91	-
12	1,75	110	25	9,0	7,0	10,25	-	37,73	-	56,10

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6H + 0,10**

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6H + 0,10**

 HSSE



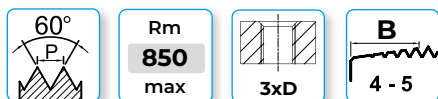
4811.1
4813.1



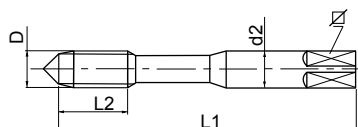
4811.T1
4813.T1



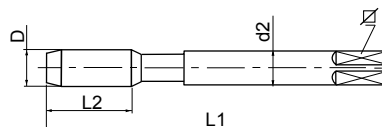
4811.F1
4813.F1




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4811.1	4813.1	4811.T1	4813.T1	4811.F1	4813.F1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	10	3,5	2,7	2,50	22,66	-	31,68	-	35,68	-
4	0,7	63	13	4,5	3,4	3,30	22,66	-	31,68	-	35,68	-
5	0,8	70	13	6,0	4,9	4,20	22,66	-	31,68	-	35,68	-
6	1	80	16	6,0	4,9	5,00	22,66	-	31,68	-	35,68	-
7	1	80	16	7,0	5,5	6,00	*	-	*	-	*	-
8	1,25	90	18	8,0	6,2	6,80	25,19	-	37,62	-	46,21	-
10	1,5	100	20	10,0	8,0	8,50	27,83	-	41,91	-	50,75	-
12	1,75	110	25	9,0	7,0	10,30	-	37,73	-	56,10	-	67,65
14	2	110	28	11,0	9,0	12,00	-	*	-	*	-	*
16	2	110	28	12,0	9,0	14,00	-	*	-	*	-	*

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on request

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6H + 0,20**

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6H + 0,20**

 HSSE



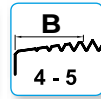
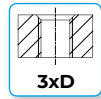
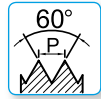
4911.1
4913.1



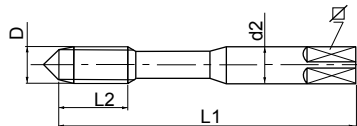
4911.T1
4913.T1



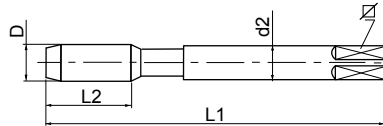
4911.F1
4913.F1




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4911.1	4913.1	4911.T1	4913.T1	4911.F1	4913.F1
D	p	L ₁	L ₂	d2	∅		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	10	3,5	2,7	2,50	*	-	*	-	*	-
4	0,7	63	13	4,5	3,4	3,30	*	-	*	-	*	-
5	0,8	70	13	6,0	4,9	4,20	*	-	*	-	*	-
6	1	80	16	6,0	4,9	5,00	*	-	*	-	*	-
8	1,25	90	18	8,0	6,2	6,80	*	-	*	-	*	-
10	1,5	100	20	10,0	8,0	8,50	*	-	*	-	*	-
12	1,75	110	25	9,0	7,0	10,30	-	*	-	*	-	*
14	2	110	28	11,0	9,0	12,00	-	*	-	*	-	*
16	2	110	28	12,0	9,0	14,00	-	*	-	*	-	*

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

Filettatura metrica ISO/DIN 13 – UNI 4535 a passo grosso – 6H

Serie lunga

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread – UNI 4535 – DIN 13 – 6H

Long series

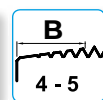
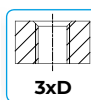
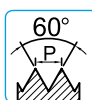
 HSSE



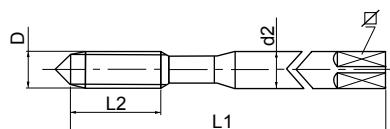
4111.1
4113.1



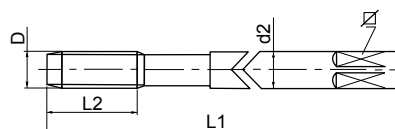
4111.F1
4113.F1




NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA							4111.1	4113.1	4111.F1	4113.F1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TICN	TICN
4	0,7	125	12	4,5	3,4	3,30	58,52	-	71,06	-
5	0,8	140	14	6,0	4,9	4,20	62,04	-	71,39	-
6	1	160	18	6,0	4,9	5,00	62,04	-	71,39	-
8	1,25	180	20	8,0	6,2	6,75	72,38	-	86,46	-
10	1,5	180	20	10,0	8,0	8,50	88,55	-	106,26	-
12	1,75	225	24	9,0	7,0	10,25	-	100,65	-	118,47
14	2	225	26	11,0	9,0	12,00	-	138,27	-	160,82
16	2	225	32	12,0	9,0	14,00	-	148,50	-	172,15

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TICN: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

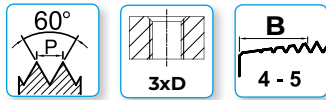
MASCHI A MACCHINA - MACHINE TAPS

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"
 Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**
Universali - per INOX - per materiali ad alta resistenza

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"
 ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**
Universal use - for STAINLESS STEEL - for high resistance materials

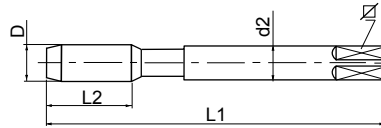
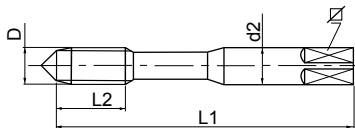


<div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #4a4a8a; margin-bottom: 5px;"></div> <div>HSS-Co-PM</div> <div style="width: 15px; height: 15px; background-color: #e67e22; margin-bottom: 5px; margin-top: 10px;"></div> <div>HSSV</div> </div>	Rm 1200 max	Universal		4511.U1 4513.U1
	Rm 1400 max	Hard		4511.X1 4513.X1
	Rm 1000 max	INOX		4511.S1 4513.S1



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.U1	4513.U1	4511.X1	4513.X1	4511.S1	4513.S1
D	p	L ₁	L ₂	d ₂	∠	∅	ASP30 + TX	ASP30 + TX	ASP30 + HPC	ASP30 + HPC	HSSV + HPC	HSSV + HPC
3	0,5	56	10	3,5	2,7	2,50	37,40	-	38,28	-	33,22	-
4	0,7	63	13	4,5	3,4	3,30	37,40	-	38,28	-	33,22	-
5	0,8	70	13	6,0	4,9	4,20	37,40	-	38,28	-	33,22	-
6	1	80	16	6,0	4,9	5,00	37,40	-	38,28	-	33,22	-
8	1,25	90	18	8,0	6,2	6,75	46,53	-	46,75	-	41,25	-
10	1,5	100	20	10,0	8,0	8,50	52,47	-	56,21	-	46,53	-
12	1,75	110	25	9,0	7,0	10,25	-	64,24	-	66,11	-	56,98
14	2	110	28	11,0	9,0	12,00	-	83,27	-	85,91	-	74,36
16	2	110	28	12,0	9,0	14,00	-	102,96	-	96,03	-	79,86
18	2,5	125	33	14,0	11,0	15,50	-	135,30	-	-	-	109,23
20	2,5	140	33	16,0	12,0	17,50	-	164,12	-	-	-	132,22
22	2,5	140	33	18,0	14,5	19,50	-	194,70	-	-	-	-
24	3	160	39	18,0	14,5	21,00	-	225,72	-	-	-	-

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: **4511.U1 - 4513.U1:** P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7
4511.X1 - 4513.X1: P5 - P6 / K3 - K4 / N4 / N8
4511.S1 - 4513.S1: P3 - P4 - P5 / M1 - M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

Per Alluminio, Rame, Acciaio < 700 N/mm²

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

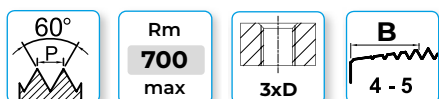
ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

For Aluminium, Copper, Steel < 700 N/mm²

ALLUMINIO

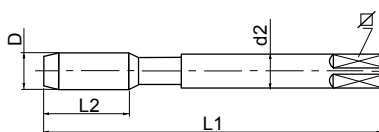
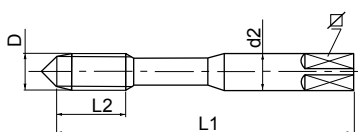
HSSE

FILETTI
ALTERNATI



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4511.3	4513.3	4511.F3	4513.F3	4511.A1	4513.A1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	HPC	HPC	HPC ¹	HPC ¹
3	0,5	56	10	3,5	2,7	2,50	28,05	-	38,39	-	34,54	-
4	0,7	63	13	4,5	3,4	3,30	28,05	-	38,39	-	34,54	-
5	0,8	70	13	6,0	4,9	4,20	27,28	-	37,84	-	34,54	-
6	1	80	16	6,0	4,9	5,00	27,28	-	37,84	-	34,54	-
8	1,25	90	18	8,0	6,2	6,75	29,81	-	46,20	-	40,92	-
10	1,5	100	20	10,0	8,0	8,50	33,11	-	52,03	-	49,06	-
12	1,75	110	25	9,0	7,0	10,25	-	45,10	-	66,99	-	63,14
14	2	110	28	11,0	9,0	12,00	-	57,97	-	83,82	-	*
16	2	110	28	12,0	9,0	14,00	-	66,55	-	95,37	-	*
18	2,5	125	33	14,0	11,0	15,50	-	85,53	-	*	-	-
20	2,5	140	33	16,0	12,0	17,50	-	89,00	-	*	-	-
22	2,5	140	33	18,0	14,5	19,50	-	111,04	-	*	-	-
24	3	160	39	18,0	14,5	21,00	-	135,90	-	*	-	-
27	3	160	39	20,0	16,0	24,00	-	165,57	-	*	-	-

*Prezzo a richiesta / price on demand

¹ Rivestimento HPC disponibile al termine delle scorte in CrN / HPC coating available after exhaustion CrN coating

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: 4511.3 - 4513.3: P1 - P2 / N1 - N2 / N6 - N7 / N10 / S1 / S4
4511.F3 - 4513.F3 : P1 - P2 / N1 - N2 / N6 - N7
4511.A1 - 4513.A1: P1 / N1 - N2 / N6 - N7 / N10 / S1 / S4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA HSS-Co-PM

SCANALATURE ELICOIDALI - **ELICA SINISTRA 15° - TAGLIO DESTRO** - Imbocco "D"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso

Rivestimento TiCN per TITANIO e leghe

MACHINE TAPS HSS-Co-PM

SPIRAL FLUTES - **LEFT HELIX 15° - RIGHT CUT** - Chamfer form "D"

ISO Metric Coarse Thread - UNI 4535 - DIN 13

TiCN coated for TITANIUM and alloys



 HSS-Co-PM

6HX



4511.XT1
4513.XT1

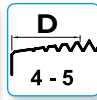
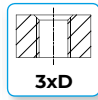
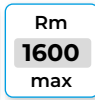
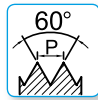


CRESTE ARROTONDATE
WITH ROUNDED CREST

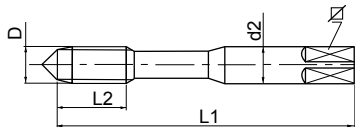
4H



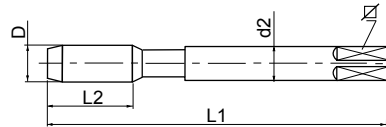
4511.XJT1
4513.XJT1




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376								4511.XT1	4513.XT1	4511.XJT1	4513.XJT1
D	p	L ₁	L ₂	d ₂	∠		Preforo MJ	6HX	6HX	Filettatura MJ - 4H	Filettatura MJ - 4H
3	0,5	56	10	3,5	2,7	2,50	2,60	34,21	-	43,67	-
4	0,7	63	13	4,5	3,4	3,30	3,40	34,21	-	43,67	-
5	0,8	70	13	6,0	4,9	4,20	4,30	34,21	-	43,67	-
6	1	80	16	6,0	4,9	5,00	5,10	34,21	-	43,67	-
8	1,25	90	18	8,0	6,2	6,80	7,10	42,90	-	53,68	-
10	1,5	100	20	10,0	8,0	8,50	9,10	49,72	-	58,41	-
12	1,75	110	25	9,0	7,0	10,30	10,40	-	58,74	-	*
16	2	110	28	12,0	9,0	14,00	14,20	-	87,67	-	-

*Prezzo a richiesta / price on demand

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N8 - N9 / S2 - S3 / S5

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA SINISTRA 10° - TAGLIO DESTRO** - Imbocco "D"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso

Rivestimento TICN per NICKEL e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - **LEFT HELIX 10° - RIGHT CUT** - Chamfer form "D"

ISO Metric Coarse Thread - UNI 4535 - DIN 13

TICN coated for NICKEL and alloys



HSS-Co-PM

6HX **4511.XN1**

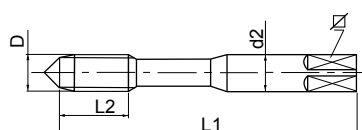


CRESTE ARROTONDATE
WITH ROUNDED CREST

4H **4511.XJN1**

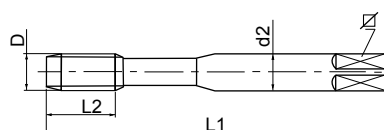


NORMA DI FABBRICA - FIUM NORM



≤ M10

NORMA DI FABBRICA - FIUM NORM



M12

NORMA DI FABBRICA							4511.XN1	4511.XJN1
D	p	L ₁	L ₂	d ₂	∅		6HX	Filettatura MJ - 4H
3	0,5	56	10	3,5	2,7	2,5	38,50	48,13
4	0,7	63	13	4,5	3,4	3,30	38,50	48,13
5	0,8	70	13	6,0	4,9	4,20	38,50	48,13
6	1	80	18	6,0	4,9	5,00	38,50	48,13
8	1,25	90	25	8,0	6,2	6,80	47,30	59,13
10	1,5	100	30	10,0	8,0	8,50	52,69	65,86
12	1,75	110	30	12,0	9,0	10,30	*	-

*Prezzo a richiesta / price on demand

Materiali / Application: P6 / H7 / N9 / S5 - S6

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

 HSSE



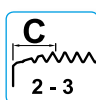
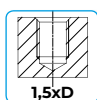
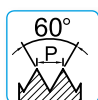
4512.1



4512.V1



4512.T1



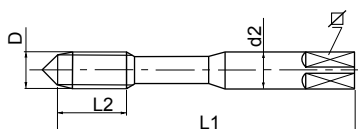
 HSS




1512.1

ops

DIN 371



DIN 371							4512.1	4512.V1	4512.T1	1512.1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN	HSS
2	0,4	45	10	2,8	2,1	1,60	23,21	26,73	*	-
2,5	0,45	50	13	2,8	2,1	2,05	23,21	26,73	*	-
3	0,5	56	10	3,5	2,7	2,50	18,26	25,74	27,50	13,52
3,5	0,6	56	11	4,0	3,0	2,90	21,89	22,11	31,13	-
4	0,7	63	13	4,5	3,4	3,30	18,26	22,11	27,50	13,52
5	0,8	70	13	6,0	4,9	4,20	18,26	22,11	27,50	13,52
6	1	80	16	6,0	4,9	5,00	18,26	22,11	27,50	13,52
7	1	80	16	7,0	5,5	6,00	23,98	28,71	37,73	15,14
8	1,25	90	18	8,0	6,2	6,75	22,88	26,73	34,32	18,12
10	1,5	100	20	10,0	8,0	8,50	24,20	28,71	38,83	-

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
HSS: P1 - P2 - P3 - P4

N.B. HSSE M8 e M10 centro femmina / HSSE M8 and M10 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

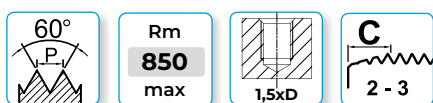
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

MACHINE TAPS **HSSE M35 5%Co**

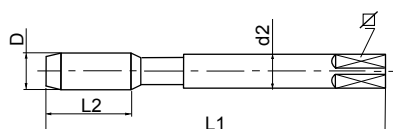
SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

 HSSE



DIN 376



4514.1



4514.V1




4514.T1

 HSS



1514.1 

DIN 376							4514.1	4514.V1	4514.T1	1514.1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN	HSS
4	0,7	63	13	2,8	2,1	3,30	20,46	24,53	29,81	13,52
5	0,8	70	13	3,5	2,7	4,20	20,46	24,53	29,81	13,52
6	1	80	16	4,5	3,4	5,00	20,46	24,53	29,81	-
8	1,25	90	18	6,0	4,9	6,75	23,32	28,16	34,76	15,14
10	1,5	100	20	7,0	5,5	8,50	38,39	30,91	39,16	18,12
12	1,75	110	25	9,0	7,0	10,25	30,25	34,87	46,75	23,52
14	2	110	28	11,0	9,0	12,00	42,68	48,07	65,23	-
16	2	110	28	12,0	9,0	14,00	46,09	52,80	69,85	-
18	2,5	125	33	14,0	11,0	15,50	69,63	76,89	96,36	-
20	2,5	140	33	16,0	12,0	17,50	73,15	83,71	105,60	-
22	2,5	140	33	18,0	14,5	19,50	84,37	96,03	129,36	-
24	3	160	39	18,0	14,5	21,00	106,59	119,24	161,48	-
27	3	160	39	20,0	16,0	24,00	137,50	152,02	198,44	-
30	3,5	180	46	22,0	18,0	26,50	185,24	202,51	260,26	-
33	3,5	180	46	25,0	20,0	29,50	*	-	-	-
36	4	200	50	28,0	22,0	32,00	*	-	-	-
39	4	200	50	32,0	24,0	35,00	*	-	-	-
42	4,5	200	55	32,0	24,0	37,50	*	-	-	-
45	4,5	220	60	36,0	29,0	40,50	*	-	-	-
48	5	250	65	36,0	29,0	43,00	*	-	-	-
52	5	250	65	40,0	32,0	47,00	*	-	-	-

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST : P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

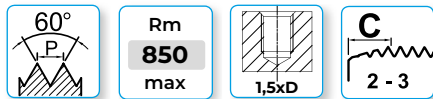
TIN : P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HSS : P1 - P2 - P3 - P4

MASCHI A MACCHINA **HSSE M35 5%Co**
SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"
 Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6G**

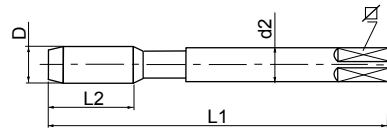
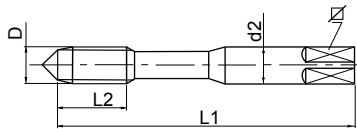
MACHINE TAPS **HSSE M35 5%Co**
SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"
 ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6G**


 **HSSE**



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.6G1	4514.6G1	4512.6GT1	4514.6GT1	4512.6GF1	4514.6GF1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	10	3,5	2,7	2,50	20,79	-	29,92	-	*	-
4	0,7	63	13	4,5	3,4	3,30	20,79	-	29,92	-	*	-
5	0,8	70	13	6,0	4,9	4,20	20,79	-	29,92	-	*	-
6	1	80	16	6,0	4,9	5,00	20,79	-	29,92	-	*	-
8	1,25	90	18	8,0	6,2	6,75	23,98	-	35,86	-	*	-
10	1,5	100	20	10,0	8,0	8,50	27,39	-	40,26	-	*	-
12	1,75	110	25	9,0	7,0	10,25	-	*	-	*	-	*
*Prezzo a richiesta / Price on demand												
Altre dimensioni su richiesta / Other dimensions on demand												
Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7 HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7												

N.B.: ≥ M8 centro femmina / ≥ M8 female center

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

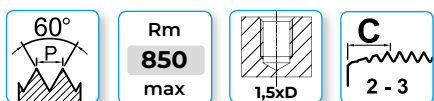
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6H + 0,10**

MACHINE TAPS **HSSE M35 5%Co**

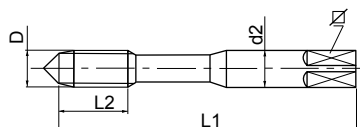
SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6H + 0,10**

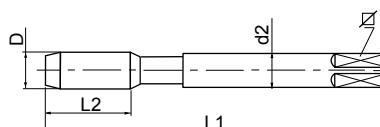
 HSSE




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4812.1	4814.1
D	p	L ₁	L ₂	d ₂	□		nudi/naked	nudi/naked
3	0,5	56	10	3,5	2,7	2,50	20,79	-
4	0,7	63	13	4,5	3,4	3,30	20,79	-
5	0,8	70	13	6,0	4,9	4,20	20,79	-
6	1	80	16	6,0	4,9	5,00	20,79	-
8	1,25	90	18	8,0	6,2	6,75	23,98	-
10	1,5	100	20	10,0	8,0	8,50	27,39	-
12	1,75	110	25	9,0	7,0	10,25	-	36,85
Rivestimento TiN a richiesta / TiN coating on demand								
Materiali / Application: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7								

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

NEW 2024

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento TX **Universali con ROMPITRUCIOLO e foro di lubrificazione centrale**

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

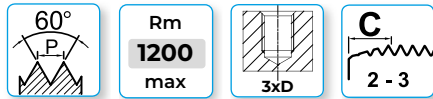
ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

TX coated **Universal use with CHIP BREAKER and central lubrication hole**

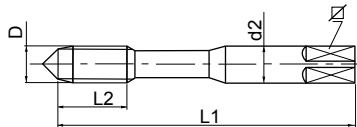
HSS-Co-PM



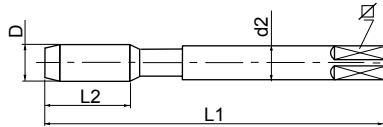
4512.UCB1
4514.UCB1



DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.UCB1	4514.UCB1
D	p	L ₁	L ₂	d ₂	∅		TX	TX
6	1	80	16	6,0	4,9	-	56,65	-
8	1,25	90	18	8,0	6,2	-	69,30	-
10	1,5	100	20	10,0	8,0	-	83,05	-
12	1,75	110	25	-	-	9,0	-	97,68
16	2	110	20	-	-	12,0	-	126,94

Materiali / Application: P3 - P4 - P5 - P6

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento HPC

Per materiali ad alta resistenza fino a 45 HRC

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

HPC coated

For High Resistance materials until 45 HRC

HSS-Co-PM



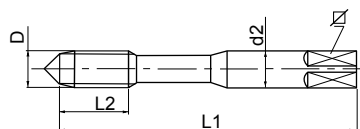
4512.X1
4514.X1



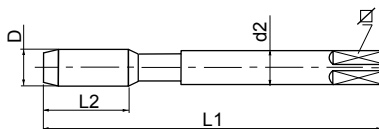
4512.XC1
4514.XC1



DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.X1	4514.X1	4512.XC1	4514.XC1
D	p	L ₁	L ₂	d ₂	∠				FORATI WITH HOLE	FORATI WITH HOLE
3	0,5	56	5	3,5	2,7	2,50	37,73	-	-	-
4	0,7	63	7	4,5	3,4	3,30	37,73	-	-	-
5	0,8	70	8	6,0	4,9	4,20	37,73	-	-	-
6	1	80	10	6,0	4,9	5,00	37,73	-	64,57	-
8	1,25	90	13	8,0	6,2	6,80	48,73	-	79,20	-
10	1,5	100	15	10,0	8,0	8,50	52,80	-	88,22	-
12	1,75	110	18	9,0	7,0	10,30	-	58,96	-	93,06
14	2	110	20	11,0	9,0	12,00	-	78,65	-	118,25
16	2	110	20	12,0	9,0	14,00	-	86,79	-	126,39

N.B. Disponibile anche versione con elica a 25° sino ad esaurimento / Also available helix 25° until exhaustion

Materiali / Application: P5 - P6 / K3 - K4 / N4 - N5 / N8

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso

Rivestimento TiCN per TITANIO e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13

TiCN coated for TITANIUM and alloys



HSS-Co-PM

6HX



4512.XT1
4514.XT1



CRESTE ARROTONDATE
WITH ROUNDED CREST

4H

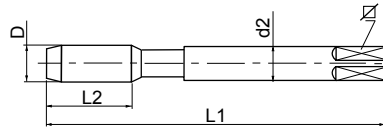
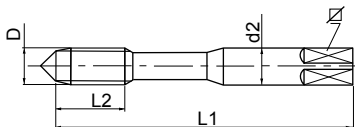


4512.XJT1



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376								4512.XT1	4514.XT1	4512.XJT1
D	p	L ₁	L ₂	d ₂	∠		Preforo MJ	6HX	6HX	Filettatura MJ - 4H
3	0,5	56	5	3,5	2,7	2,50	2,60	34,10	-	42,90
4	0,7	63	7	4,5	3,4	3,30	3,40	34,10	-	42,90
5	0,8	70	8	6,0	4,9	4,20	4,30	34,10	-	42,90
6	1	80	10	6,0	4,9	5,00	5,10	34,10	-	42,90
8	1,25	90	13	8,0	6,2	6,80	7,10	43,78	-	53,35
10	1,5	100	15	10,0	8,0	8,50	9,10	47,63	-	58,41
12	1,75	110	18	9,0	7,0	10,30	10,40	-	56,32	-
16	2	110	20	12,0	9,0	14,00	14,20	-	85,36	-

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N8 - N9 / S2 - S3 / S5

N.B.: ≥ M8 centro femmina / ≥ M8 female center

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - ELICA DESTRA 10° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso

Rivestimento TiCN per NICKEL e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - RIGHT HELIX 10° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13

TiCN coated for NICKEL and alloys



HSS-Co-PM

6HX



4512.XN1

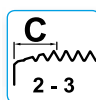
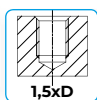
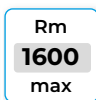
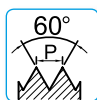
4H



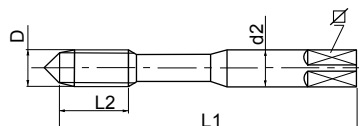
4512.XJN1



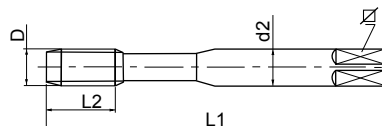
CRESTE ARROTONDATE
WITH ROUNDED CREST



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA							4512.XN1	4512.XJN1
D	p	L ₁	L ₂	d ₂	∇	⌧	6HX	Filettatura MJ - 4H
3	0,5	56	10	3,5	2,70	2,50	38,39	44,07
4	0,7	63	13	4,5	3,4	3,30	38,39	44,07
5	0,8	70	15	6,0	4,9	4,20	38,39	44,07
6	1	80	18	6,0	4,9	5,00	38,39	44,07
8	1,25	90	25	8,0	6,2	6,80	45,76	53,23
10	1,5	100	30	10,0	8,0	8,50	53,57	59,46

Materiali / Application: P6 / N9 / S5 - S6

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

 HSSE



4512.3



4512.V3



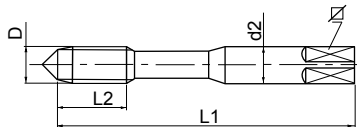
4512.T3





4512.F3



DIN 371



DIN 371							4512.3	4512.V3	4512.T3	4512.F3
D	p	L ₁	L ₂	d ₂			nudi/naked	ST	TIN	HPC
2	0,4	45	7	2,8	2,1	1,60	27,28	30,14	*	*
2,5	0,45	50	9	2,8	2,1	2,05	27,28	30,14	*	*
3	0,5	56	5	3,5	2,7	2,50	19,80	22,99	28,60	30,85
3,5	0,6	56	7	4,0	3,0	2,90	26,07	30,03	35,31	35,44
4	0,7	63	7	4,5	3,4	3,30	19,80	22,99	28,60	30,85
4,5	0,75	70	8	6,0	4,9	3,75	21,89	25,19	31,13	-
5	0,8	70	8	6,0	4,9	4,20	19,80	22,99	28,60	30,85
6	1	80	10	6,0	4,9	5,00	19,80	22,99	28,60	30,85
7	1	80	10	7,0	5,5	6,00	26,07	30,47	38,50	36,66
8	1,25	90	13	8,0	6,2	6,75	23,21	27,39	36,08	40,14
10	1,5	100	15	10,0	8,0	8,50	26,40	31,35	41,47	45,84

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

 HSSE



4514.3



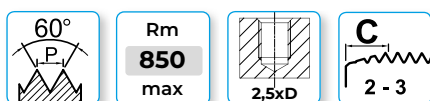
4514.V3



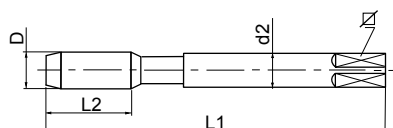
4514.T3




4514.F3



DIN 376



DIN 376							4514.3	4514.V3	4514.T3	4514.F3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN	HPC
4	0,7	63	7	2,8	2,1	3,30	*	*	*	*
5	0,8	70	8	3,5	2,7	4,20	25,52	28,60	34,32	36,70
6	1	80	10	4,5	3,4	5,00	25,52	28,60	34,32	36,70
8	1,25	90	13	6,0	4,9	6,75	25,96	30,25	38,28	41,22
10	1,5	100	15	7,0	5,5	8,50	28,38	32,12	42,13	48,08
12	1,75	110	18	9,0	7,0	10,25	33,22	37,51	51,81	58,00
14	2	110	20	11,0	9,0	12,00	46,97	53,24	67,43	80,03
16	2	110	20	12,0	9,0	14,00	52,14	60,94	76,23	84,60
18	2,5	125	25	14,0	11,0	15,50	79,42	87,67	106,26	119,15
20	2,5	140	25	16,0	12,0	17,50	87,23	95,70	121,33	137,42
22	2,5	140	25	18,0	14,5	19,50	99,33	110,22	138,93	169,35
24	3	160	30	18,0	14,5	21,00	121,99	132,66	164,34	192,67
27	3	160	30	20,0	16,0	24,00	159,39	170,39	211,64	238,45
30	3,5	180	35	22,0	18,0	26,50	209,00	221,10	281,27	324,04
33	3,5	180	35	25,0	20,0	29,50	292,38	303,60	356,84	*
36	4	200	40	28,0	22,0	32,00	414,48	433,84	524,15	*
39	4	200	40	32,0	24,0	35,00	553,19	572,55	*	*
42	4,5	200	40	32,0	24,0	37,50	654,94	684,09	*	*
° 45	4,5	220	50	36,0	29,0	40,50	717,86	751,74	*	*
° 48	5	250	50	36,0	29,0	43,00	947,21	986,15	*	*
° 52	5	250	50	40,0	32,0	47,00	1082,95	1141,14	*	*
° Acciaio HSS / HSS steel										
*Prezzo a richiesta / Price on demand										
Materiali / Application: ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7 HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7										

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

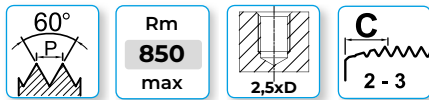
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6G**

MACHINE TAPS **HSSE M35 5%Co**

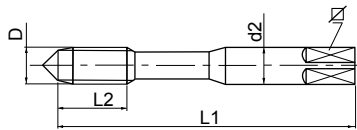
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6G**

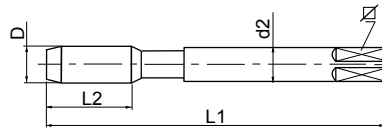
 HSSE




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.6G3	4514.6G3	4512.6GT3	4514.6GT3	4512.6GF3	4514.6GF3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	5	3,5	2,7	2,50	22,00	-	30,30	-	35,02	-
4	0,7	63	7	4,5	3,4	3,30	22,00	-	30,30	-	35,02	-
5	0,8	70	8	6,0	4,9	4,20	22,00	-	30,30	-	35,02	-
6	1	80	10	6,0	4,9	5,00	22,00	-	30,30	-	35,02	-
8	1,25	90	13	8,0	6,2	6,75	25,41	-	37,49	-	42,93	-
10	1,5	100	15	10,0	8,0	8,50	27,50	-	42,55	-	50,42	-
12	1,75	110	18	9,0	7,0	10,25	-	38,61	-	55,67	-	63,53
14	2	110	20	11,0	9,0	12,00	-	52,69	-	73,35	-	85,25
16	2	110	20	12,0	9,0	14,00	-	60,28	-	82,13	-	98,44

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
 HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 7G**

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 7G**

 HSSE



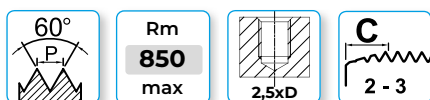
4512.7G3
4514.7G3



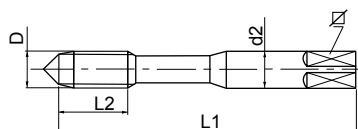
4512.7GT3
4514.7GT3



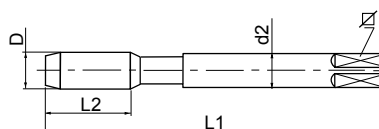
4512.7GF3
4514.7GF3




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.7G3	4514.7G3	4512.7GT3	4514.7GT3	4512.7GF3	4514.7GF3
D	p	L ₁	L ₂	d2	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	5	3,5	2,7	2,50	22,00	-	30,30	-	35,02	-
4	0,7	63	7	4,5	3,4	3,30	22,00	-	30,30	-	35,02	-
5	0,8	70	8	6,0	4,9	4,20	22,00	-	30,30	-	35,02	-
6	1	80	10	6,0	4,9	5,00	22,00	-	30,30	-	35,02	-
8	1,25	90	13	8,0	6,2	6,75	25,41	-	37,49	-	42,93	-
10	1,5	100	15	10,0	8,0	8,50	27,50	-	42,55	-	50,42	-
12	1,75	110	18	9,0	7,0	10,25	-	38,61	-	55,67	-	63,53
14	2	110	20	11,0	9,0	12,00	-	52,69	-	73,35	-	85,25
16	2	110	20	12,0	9,0	14,00	-	60,28	-	82,13	-	98,44

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

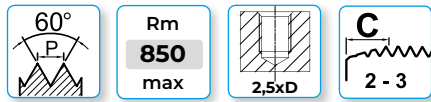
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 4H**

MACHINE TAPS **HSSE M35 5%Co**

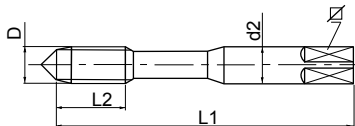
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 4H**

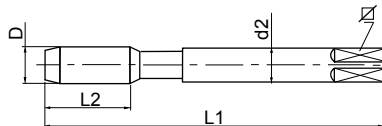
 HSSE




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.4H3	4514.4H3	4512.4HF3	4514.4HF3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TX	TX
3	0,5	56	5	3,5	2,7	2,50	22,00	-	33,55	-
4	0,7	63	7	4,5	3,4	3,30	22,00	-	33,55	-
5	0,8	70	8	6,0	4,9	4,20	22,00	-	33,55	-
6	1	80	10	6,0	4,9	5,00	22,00	-	33,55	-
8	1,25	90	13	8,0	6,2	6,75	25,41	-	40,92	-
10	1,5	100	15	10,0	8,0	8,50	27,50	-	46,64	-
12	1,75	110	18	9,0	7,0	10,25	-	38,61	-	58,63

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TX: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

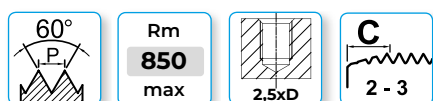
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6H + 0,10**

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

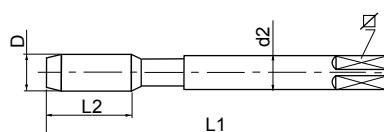
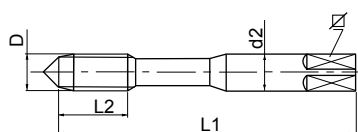
ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6H + 0,10**


 HSSE



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4812.3	4814.3	4812.T3	4814.T3	4812.F3	4814.F3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	5	3,5	2,7	2,50	22,00	-	30,30	-	35,02	-
4	0,7	63	7	4,5	3,4	3,30	22,00	-	30,30	-	35,02	-
5	0,8	70	8	6,0	4,9	4,20	22,00	-	30,30	-	35,02	-
6	1	80	10	6,0	4,9	5,00	22,00	-	30,30	-	35,02	-
8	1,25	90	13	8,0	6,2	6,80	25,41	-	37,49	-	42,93	-
10	1,5	100	15	10,0	8,0	8,50	27,50	-	42,55	-	50,42	-
12	1,75	110	18	9,0	7,0	10,30	-	38,61	-	55,67	-	63,53
14	2	110	20	11,0	9,0	12,00	-	52,69	-	73,35	-	85,25
16	2	110	20	12,0	9,0	14,00	-	60,28	-	82,13	-	98,44

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

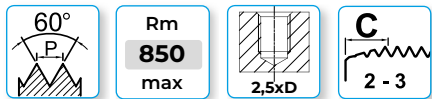
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **Tolleranza 6H + 0,20**

MACHINE TAPS **HSSE M35 5%Co**

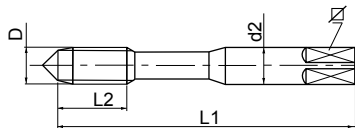
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **Tolerance 6H + 0,20**

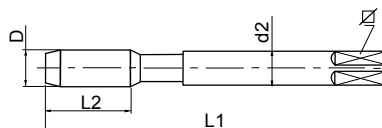
 HSSE




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4912.3	4914.3	4912.T3	4914.T3	4912.F3	4914.F3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TIN	TIN	HPC	HPC
3	0,5	56	5	3,5	2,7	2,50	*	-	*	-	*	-
4	0,7	63	7	4,5	3,4	3,30	*	-	*	-	*	-
5	0,8	70	8	6,0	4,9	4,20	*	-	*	-	*	-
6	1	80	10	6,0	4,9	5,00	*	-	*	-	*	-
8	1,25	90	13	8,0	6,2	6,80	*	-	*	-	*	-
10	1,5	100	15	10,0	8,0	8,50	*	-	*	-	*	-
12	1,75	110	18	9,0	7,0	10,30	-	*	-	*	-	*
14	2	110	20	11,0	9,0	12,00	-	*	-	*	-	*
16	2	110	20	12,0	9,0	14,00	-	*	-	*	-	*

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - **ELICA SINISTRA 35°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

Filettatura SINISTRA

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - LEFT HELIX 35° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

LEFT HAND Thread

 HSSE



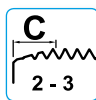
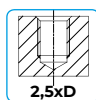
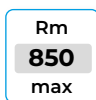
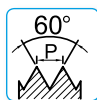
4512.L3

4514.L3

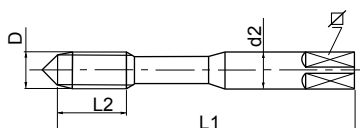


4512.LF3

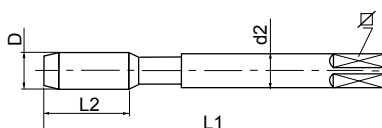
4514.LF3




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.L3	4514.L3	4512.LF3	4514.LF3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TX	TX
3	0,5	56	5	3,5	2,7	2,50	*	-	*	-
4	0,7	63	7	4,5	3,4	3,30	29,26	-	40,70	-
5	0,8	70	8	6,0	4,9	4,20	29,26	-	40,70	-
6	1	80	10	6,0	4,9	5,00	29,26	-	40,70	-
8	1,25	90	13	8,0	6,2	6,75	34,10	-	50,49	-
10	1,5	100	15	10,0	8,0	8,50	39,05	-	57,31	-
12	1,75	110	18	9,0	7,0	10,25	-	52,91	-	72,71
14	2	110	20	11,0	9,0	12,00	-	72,60	-	99,00
16	2	110	20	12,0	9,0	14,00	-	82,17	-	109,34

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TX: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE-PM**

SCANALATURE ELICOIDALI - **ELICA DESTRA 45°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

MACHINE TAPS **HSSE-PM**

SPIRAL FLUTES - **RIGHT HELIX 45°** - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 1 - **6HX**

 HSSE-PM



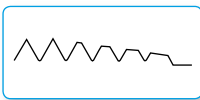
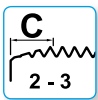
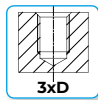
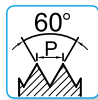
4512.5
4514.5



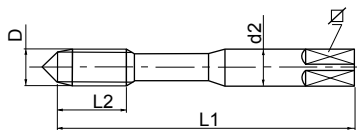
4512.V5
4514.V5



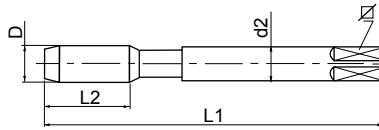
4512.T5
4514.T5




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.5	4514.5	4512.V5	4514.V5	4512.T5	4514.T5
D	p	L ₁	L ₂	d ₂	□		nudi/naked	nudi/naked	ST	ST	TIN+	TIN+
3	0,5	56	5	3,5	2,7	2,50	22,22	-	26,29	-	32,89	-
4	0,7	63	7	4,5	3,4	3,30	22,22	-	26,29	-	32,89	-
5	0,8	70	8	6,0	4,9	4,20	22,22	-	26,29	-	32,89	-
6	1	80	10	6,0	4,9	5,00	22,22	-	26,29	-	32,89	-
8	1,25	90	13	8,0	6,2	6,75	24,97	-	29,26	-	37,07	-
10	1,5	100	15	10,0	8,0	8,50	32,12	-	36,52	-	47,85	-
12	1,75	110	18	9,0	7,0	10,25	-	39,93	-	44,77	-	57,20

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / M1 - M2

TIN +: P2 - P3 - P4 - P5 / N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - **ELICA DESTRA 40°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

Serie lunga

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

Long series

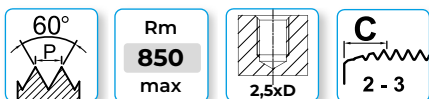
 HSSE



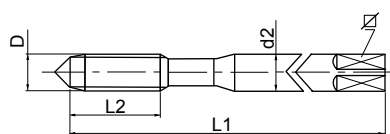
4112.3
4114.3



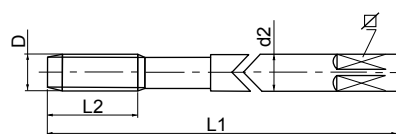
4112.F3
4114.F3




NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA							4112.3	4114.3	4112.F3	4114.F3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	nudi/naked	TICN	TICN
4	0,7	125	7	4,5	3,4	3,30	63,03	-	72,71	-
5	0,8	140	8	6,0	4,9	4,20	63,03	-	72,71	-
6	1	160	10	6,0	4,9	5,00	63,03	-	72,71	-
8	1,25	180	13	8,0	6,2	6,75	72,38	-	86,46	-
10	1,5	180	16	10,0	8,0	8,50	88,55	-	106,26	-
12	1,75	225	23	9,0	7,0	10,25	-	100,65	-	118,47
14	2	225	23	11,0	9,0	12,00	-	138,27	-	160,82
16	2	225	23	12,0	9,0	14,00	-	148,50	-	172,15

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TICN: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA DESTRA 45°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento HPC

MASCHIATURA RIGIDA SINCRONIZZATA


MACHINE TAPS **HSS-Co-PM**

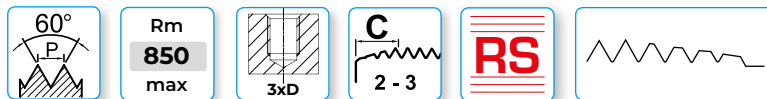
SPIRAL FLUTES - **RIGHT HELIX 45°** - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

HPC coated

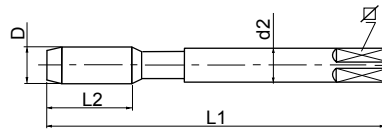
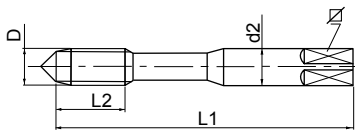
RIGID TAPPING SYNCHRO



 HSS-Co-PM



DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.RF5	4514.RF5	4512.RFC5	4514.RFC5
D	p	L ₁	L ₂	d2					FORATI central hole	FORATI central hole
3	0,5	56	5	3,5	2,7	2,50	32,89	-	-	-
4	0,7	63	7	4,5	3,4	3,30	32,89	-	-	-
5	0,8	70	8	6,0	4,9	4,20	32,89	-	-	-
6	1	80	10	6,0	4,9	5,00	32,89	-	53,68	-
8	1,25	90	13	8,0	6,2	6,75	40,15	-	66,44	-
10	1,5	100	15	10,0	8,0	8,50	50,93	-	80,41	-
12	1,75	110	18	9,0	7,0	10,25	-	61,60	-	95,48
14	2	110	20	11,0	9,0	12,00	-	79,75	-	119,02
16	2	110	20	12,0	9,0	14,00	-	89,98	-	129,14
18	2,5	125	25	14,0	11,0	15,50	-	120,23	-	163,68
20	2,5	140	25	16,0	12,0	17,50	-	136,51	-	179,85
22	2,5	140	25	18,0	14,5	19,50	-	169,51	-	214,83
24	3	160	30	18,0	14,5	21,00	-	202,18	-	248,60

Materiali / Application: P2 - P3 - P4 - P5 / M1 - M2 - M3

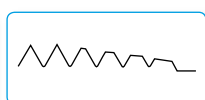
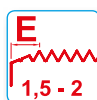
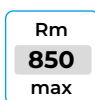
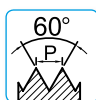
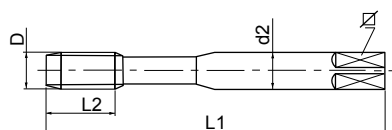
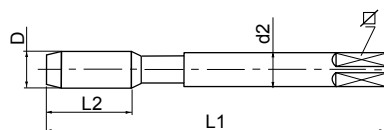
N.B.: ≥ M8 centro femmina / ≥ M8 female center

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE-PM**SCANALATURE ELICOIDALI - **ELICA DESTRA 45° - IMBOCCO "E"**Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX****Rivestimento HPC****MASCHIATURA RIGIDA SINCRONIZZATA**MACHINE TAPS **HSSE-PM**SPIRAL FLUTES - **RIGHT HELIX 45° - Chamfer "E"**ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX****HPC coated****RIGID TAPPING SYNCHRO**

HSSE-PM

4512.RF4
4514.RF44512.RFC4
4514.RFC4**DIN 371 D ≤ 10mm.****DIN 376 D ≥ 12mm.****NEW 2024**

DIN 371 / DIN 376							4512.RF4	4514.RF4	4512.RFC4	4514.RFC4
D	p	L ₁	L ₂	d ₂	∠				FORATI central hole	FORATI central hole
3	0,5	56	5	3,5	2,7	2,50	40,15	-	-	-
4	0,7	63	7	4,5	3,4	3,30	40,15	-	-	-
5	0,8	70	8	6,0	4,9	4,20	40,15	-	-	-
6	1	80	10	6,0	4,9	5,00	40,15	-	60,94	-
8	1,25	90	13	8,0	6,2	6,75	47,52	-	73,70	-
10	1,5	100	15	10,0	8,0	8,50	55,99	-	85,47	-
12	1,75	110	18	9,0	7,0	10,25	-	67,87	-	101,64
14	2	110	20	11,0	9,0	12,00	-	88,00	-	127,16
16	2	110	20	12,0	9,0	14,00	-	98,89	-	138,05

Materiali / Application: P2 - P3 - P4 - P5 / M1 - M2 - M3

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSV**

SCANALATURE ELICOIDALI - **ELICA DESTRA 48°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento HPC per INOX

MASCHIATURA RIGIDA SINCRONIZZATA

MACHINE TAPS **HSSV**

SPIRAL FLUTES - **RIGHT HELIX 48°** - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

HPC coated for STAINLESS STEEL

RIGID TAPPING SYNCHRO

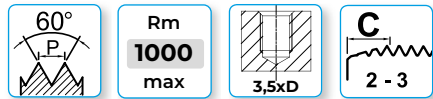


 HSSV

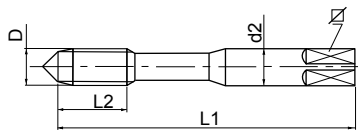


4512.S8

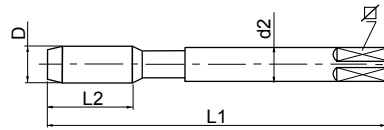
4514.S8




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.S8	4514.S8
D	p	L ₁	L ₂	d ₂	∅			
3	0,5	56	5	3,5	2,7	2,50	33,44	-
4	0,7	63	7	4,5	3,4	3,30	33,44	-
5	0,8	70	8	6,0	4,9	4,20	34,32	-
6	1	80	10	6,0	4,9	5,00	34,32	-
8	1,25	90	13	8,0	6,2	6,75	40,04	-
10	1,5	100	15	10,0	8,0	8,50	46,31	-
12	1,75	110	18	9,0	7,0	10,25	-	59,51
14	2	110	20	11,0	9,0	12,00	-	77,44
16	2	110	20	12,0	9,0	14,00	-	88,00
18	2,5	125	25	14,0	11,0	15,50	-	118,03
20	2,5	140	25	16,0	12,0	17,50	-	132,22

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P3 - P4 - P5 / M1 - M2 - M3 - M4

N.B.: ≥ M8 centro femmina / ≥ M8 female center

A richiesta: con foro centrale di lubro-refrigerazione a partire da M6

On demand: with central hole starting from M6

M

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - **ELICA DESTRA 40°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento CrN per **INOX**

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - **RIGHT HELIX 40°** - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

CrN coated for **STAINLESS STEEL**



 HSSE

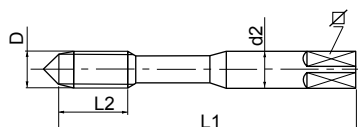


4512.S3

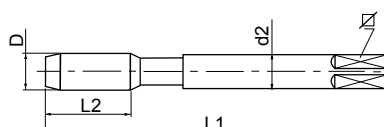
4514.S3




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.S3	4514.S3
D	p	L ₁	L ₂	d ₂	∅		CrN	CrN
3	0,5	56	5	3,5	2,7	2,50	30,14	-
4	0,7	63	7	4,5	3,4	3,30	30,14	-
5	0,8	70	8	6,0	4,9	4,20	30,14	-
6	1	80	10	6,0	4,9	5,00	30,14	-
8	1,25	90	13	8,0	6,2	6,75	34,87	-
10	1,5	100	15	10,0	8,0	8,50	42,90	-
12	1,75	110	18	9,0	7,0	10,25	-	53,24
14	2	110	20	11,0	9,0	12,00	-	71,39
16	2	110	20	12,0	9,0	14,00	-	79,31

Materiali / Application: P3 - P4 / M1 - M2 - M3

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA HSS-Co-PM

SCANALATURE ELICOIDALI - **ELICA DESTRA 45°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento TX **Universali**

MASCHIATURA RIGIDA SINCRONIZZATA

MACHINE TAPS HSS-Co PM

SPIRAL FLUTES - **RIGHT HELIX 45°** - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

TX coated **Universal use**

RIGID TAPPING SYNCHRO

HSS-Co-PM



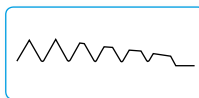
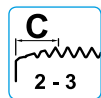
4512.U5

4514.U5

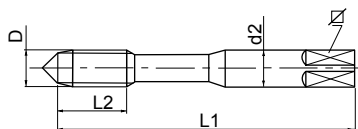


4512.UC5

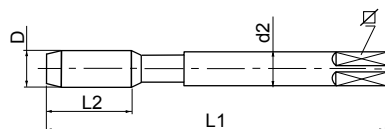
4514.UC5



DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.U5	4514.U5	4512.UC5	4514.UC5
D	p	L ₁	L ₂	d ₂	∅				FORATI with central hole	FORATI with central hole
3	0,5	56	5	3,5	2,7	2,50	35,64	-	-	-
4	0,7	63	7	4,5	3,4	3,30	35,64	-	-	-
5	0,8	70	8	6,0	4,9	4,20	35,64	-	-	-
6	1	80	10	6,0	4,9	5,00	36,74	-	63,58	-
8	1,25	90	13	8,0	6,2	6,75	44,11	-	76,34	-
10	1,5	100	15	10,0	8,0	8,50	50,27	-	80,30	-
12	1,75	110	18	9,0	7,0	10,25	-	59,95	-	94,05
14	2	110	20	11,0	9,0	12,00	-	79,53	-	119,13
16	2	110	20	12,0	9,0	14,00	-	89,32	-	141,24
18	2,5	125	25	14,0	11,0	15,50	-	150,37	-	194,70
20	2,5	140	25	16,0	12,0	17,50	-	172,59	-	220,77
22	2,5	140	25	18,0	14,5	19,50	-	209,77	-	-
24	3	160	30	18,0	14,5	21,00	-	250,58	-	307,78

NEW

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA DESTRA 40°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - **6HX**

Rivestimento HPC per materiali ad alta resistenza

MASCHIATURA RIGIDA SINCRONIZZATA

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - **RIGHT HELIX 40°** - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

HPC coated for high resistance materials

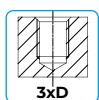
RIGID TAPPING SYNCHRO

 HSS-Co-PM



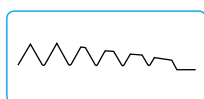
4512.X3

4514.X3

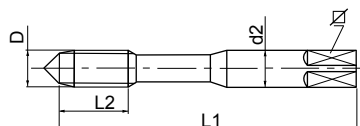


4512.XC3

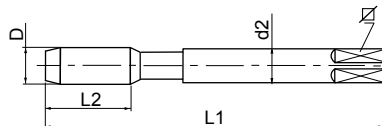
4514.XC3




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4512.X3	4514.X3	4512.XC3	4514.XC3
D	p	L ₁	L ₂	d ₂	∇				FORATI with central hole	FORATI with central hole
3	0,5	56	5	3,5	2,7	2,50	40,15	-	-	-
4	0,7	63	7	4,5	3,4	3,30	40,15	-	-	-
5	0,8	70	8	6,0	4,9	4,20	40,15	-	-	-
6	1	80	10	6,0	4,9	5,00	40,15	-	67,21	-
8	1,25	90	13	8,0	6,2	6,80	47,30	-	77,77	-
10	1,5	100	15	10,0	8,0	8,50	55,99	-	91,41	-
12	1,75	110	18	9,0	7,0	10,30	-	68,75	-	107,69
14	2	110	20	11,0	9,0	12,00	-	90,53	-	133,21
16	2	110	20	12,0	9,0	14,00	-	101,31	-	143,99

Materiali / Application: P4 - P5 / K3 - K4

N.B.: ≥ M8 centro femmina / ≥ M8 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - **ELICA DESTRA 45°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

Per ALLUMINIO e leghe

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 45° - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6H

For ALUMINIUM and alloys



 HSSE



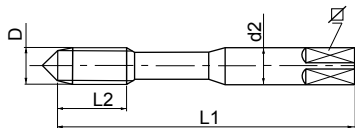
4512.2
4514.2



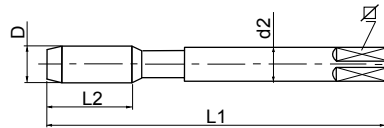
4512.A2
4514.A2




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376								4512.2	4514.2	4512.A2	4514.A2
D	p	L ₁	L ₂	d ₂	∠	Z				HPC	HPC
3	0,5	56	10	3,5	2,7	2	2,50	21,01	-	32,78	-
4	0,7	63	13	4,5	3,4	2	3,30	21,01	-	32,78	-
5	0,8	70	13	6,0	4,9	2	4,20	21,01	-	32,78	-
6	1	80	16	6,0	4,9	2	5,00	21,01	-	32,78	-
8	1,25	90	18	8,0	6,2	2	6,75	24,97	-	40,81	-
10	1,5	100	20	10,0	8,0	2	8,50	29,37	-	48,40	-
12	1,75	110	25	9,0	7,0	3	10,25	-	36,74	-	56,32

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: **nudo / naked:** P1 / N1 - N2 / N6 - N7 / N11 / S1 / S4
HPC: P1 / N1 - N2 - N3 / N6 - N7

N.B.: ≥ M8 centro femmina / ≥ M8 female center



MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE **HSS-Co 8%**

Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso

Rivestimento TIN

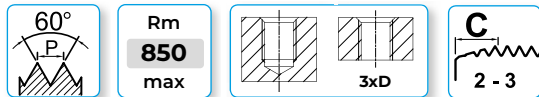
COLD FORMING MACHINE TAPS HSS-Co 8%

Chamfer form "C"

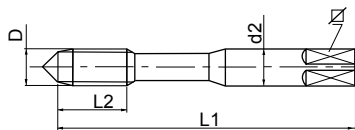
ISO Metric Coarse Thread - UNI 4535 - DIN 13

TIN coated

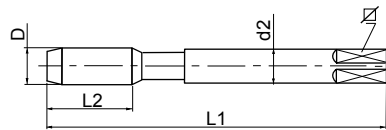
 HSS-Co 8%




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



DIN 371 / DIN 376							4516.TH	4516.TG	4517.TH	4517.TG
D	p	L ₁	L ₂	d ₂	∠		6HX	6GX	6HX con canalini with little flutes	6GX con canalini with little flutes
3	0,5	56	10	3,5	2,7	2,80	39,05	42,02	42,24	46,97
4	0,7	63	13	4,5	3,4	3,70	39,05	42,02	42,24	46,97
5	0,8	70	13	6,0	4,9	4,65	39,05	42,02	42,24	46,97
6	1	80	16	6,0	4,9	5,55	39,05	42,02	42,24	46,97
8	1,25	90	18	8,0	6,2	7,40	45,87	48,95	47,74	51,26
10	1,5	100	20	10,0	8,0	9,30	54,89	58,52	58,41	61,93
12	1,75	110	25	9,0	7,0	11,20	69,77	77,92	80,85	78,30
14	2	110	28	11,0	9,0	13,10	86,96	93,27	98,23	100,07
16	2	110	28	12,0	9,0	15,10	110,08	118,62	116,05	-

Materiali / Application: **4516.TH - 4516.TG:** P1 - P2 - P3 / M1 - M2 / N1 - N2 - N3 / N6 - N7
4517.TH - 4517.TG: P1 - P2 - P3 - P4 / M1 - M2 - M3 / N1 - N2 - N3 / N6 - N7

N.B.: ≥ M6 centro femmina / ≥ M6 female center

Filettatura sinistra su richiesta / Left hand on demand

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-PM

Con canalini laterali di lubrificazione - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso

Rivestimento Super TIN (TIN+)

COLD FORMING MACHINE TAPS HSS-Co-PM

With lateral lubrication little flutes - Chamfer form "C"

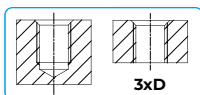
ISO Metric Coarse Thread - UNI 4535 - DIN 13

Super TIN coated (TIN+)

 HSS-Co-PM

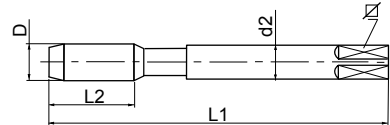
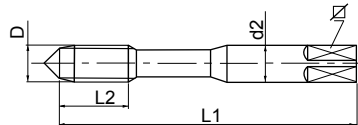
6HX  4517.XH

6GX  4517.XG




DIN 371 D ≤ 10mm.

DIN 376 D ≥ 12mm.



NEW

D	p	DIN 371 / DIN 376					4517.XH		4517.XG	
		L ₁	L ₂	d ₂	∠		6HX	6GX		
3	0,5	56	10	3,5	2,7	2,80	46,75	51,48		
4	0,7	63	13	4,5	3,4	3,70	46,75	51,48		
5	0,8	70	13	6,0	4,9	4,65	46,75	51,48		
6	1	80	16	6,0	4,9	5,55	46,75	51,48		
8	1,25	90	18	8,0	6,2	7,40	53,68	58,96		
10	1,5	100	20	10,0	8,0	9,30	64,57	70,95		
12	1,75	110	25	9,0	7,0	11,20	78,32	86,02		
14	2	110	28	11,0	9,0	13,10	96,25	105,93		
16	2	110	28	12,0	9,0	15,10	121,44	133,98		
18	2,5	125	33	14,0	11,0	16,90	133,65	-		
20	2,5	140	33	16,0	12,0	18,90	151,80	-		
22	2,5	140	33	18,0	14,5	20,90	156,31	-		
24	3	160	39	18,0	14,5	22,70	203,72	-		

Materiali / Application: P3 - P4 - P5 / M2 - M3 - M4

N.B.: ≥ M6 centro femmina / ≥ M6 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-PM

Con canalini laterali di lubrificazione - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6HX

A lubrificazione forzata

Rivestimento Super TIN (TIN+)

COLD FORMING MACHINE TAPS HSS-Co-PM

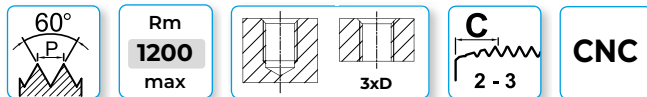
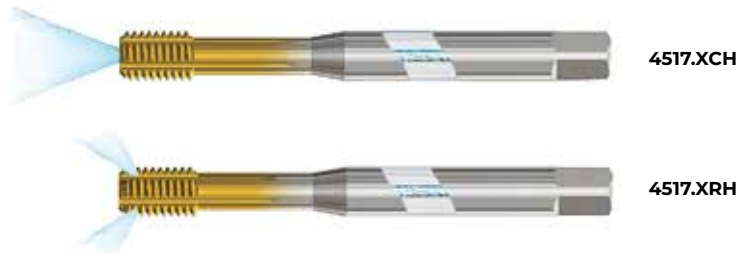
With lateral lubrication little flutes - Chamfer form "C"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - 6HX

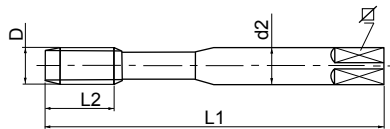
With coolant holes

Super TIN coated (TIN+)

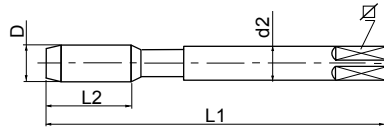
 HSS-Co-PM




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



D	p	L ₁	L ₂	d ₂	□		DIN 371 / DIN 376	4517.XCH	4517.XRH
								6HX con foro centrale with central hole	6HX con fori radiali with radial holes
6	1	80	10	6,0	4,9	5,55		73,59	95,48
8	1,25	90	13	8,0	6,2	7,40		84,15	109,67
10	1,5	100	15	10,0	8,0	9,30		99,88	122,98
12	1,75	110	18	9,0	7,0	11,20		117,37	139,26
14	2	110	20	11,0	9,0	13,10		138,93	159,61
16	2	110	20	12,0	9,0	15,10		164,12	187,22
18	2,5	125	33	14,0	11,0	16,90		177,65	193,05
20	2,5	140	33	16,0	12,0	18,90		195,80	211,20
22	2,5	140	33	18,0	14,5	20,90		201,63	217,03
24	3	160	39	18,0	14,5	22,70		251,02	266,42

Materials / Application: P3 - P4 - P5 / M2 - M3 - M4

NEW

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-PM

Con canalini laterali di lubrificazione

Filettatura metrica ISO/DIN 13 – UNI 4535 a passo grosso - **6HX**

IMBOCCO "E"

Rivestimento Super TIN (TIN+)

COLD FORMING MACHINE TAPS HSS-Co-PM

With lateral lubrication little flutes

ISO Metric Coarse Thread – UNI 4535 – DIN 13 - **6HX**

CHAMFER form "E"

Super TIN coated (TIN+)

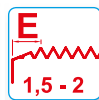
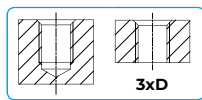
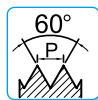
 HSS-Co-PM



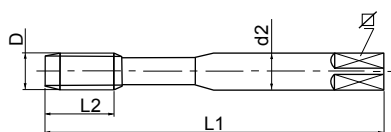
4517.XEH



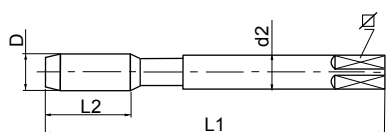
4517.XCEH




DIN 371 D ≤ 10mm.



DIN 376 D ≥ 12mm.



NEW

DIN 371 / DIN 376							4517.XEH	4517.XCEH
D	p	L ₁	L ₂	d ₂	∅		6HX	6HX con foro centrale with central hole
6	1	80	10	6,0	4,9	5,55	51,81	78,65
8	1,25	90	13	8,0	6,2	7,40	58,96	89,43
10	1,5	100	15	10,0	8,0	9,30	74,25	109,67
12	1,75	110	18	9,0	7,0	11,20	77,99	112,09
16	2	110	20	12,0	9,0	15,10	124,30	163,90

Materiali / Application: P3 - P4 - P5 / M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

PUNTE MASCHIO **HSSE M35 5%Co**

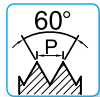
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo grosso - 6H

MACHINE DRILL TAPS HSSE M35 5%Co

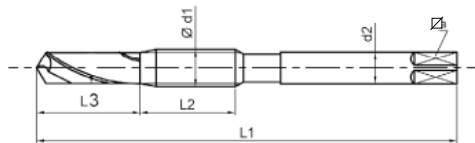
Iso Metric Coarse Thread - UNI 4535 - DIN 13 - 6H



 **HSSE**

ALU



NORMA DI FABBRICA - FIUM NORM




NORMA DI FABBRICA								4519	4519.1	4519.V
D	p	L ₁	L ₂	L ₃	d ₂					ST
3	0,5	66	10	10	3,5	2,7	2,50	48,73	48,73	59,73
4	0,7	69	11	11	4,5	3,4	3,30	48,73	48,73	59,73
5	0,8	81,5	11	12	6,0	4,9	4,20	54,56	54,56	65,89
6	1	82,5	13	13	6,0	4,9	5,00	54,56	54,56	65,89
8	1,25	101	14	18	6,0	4,9	6,80	64,57	64,57	75,57
10	1,5	107	15	24	7,0	5,5	8,50	75,57	75,57	93,06
12	1,75	120	17	25	9,0	7,0	10,30	88,44	88,44	108,24


Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: **4519:** P1 - P2 - P3 - P4 / N2 - N3 / N7 - N8
4519.V: P1 - P2 - P3 - P4 / N2 - N3 / N7 - N8
4519.1: N1 - N2 / N6 - N7 / N10


**RIEPILOGO PREFORI DI MASCHIATURA METRICA GROSSA
E DIAMETRO MEDIO DEI MASCHI**
SUMMARY OF TAPPING PRE-HOLES METRIC COARSE AND TAP DIAMETERS

Maschi a tagliare - Cutting taps

M	passo <i>pitch</i>		\varnothing medio - <i>medium</i> \varnothing 6H	
			min	max
2	0,4	1,60	1,761	1,776
2,5	0,45	2,05	2,231	2,246
3	0,5	2,50	2,699	2,715
3,5	0,6	2,90	3,137	3,155
4	0,7	3,30	3,574	3,593
4,5	0,75	3,75	4,042	4,061
5	0,8	4,20	4,510	4,530
6	1	5,00	5,385	5,409
7	1	6,00	6,385	6,409
8	1,25	6,75	7,226	7,251
9	1,25	7,75	8,226	8,251
10	1,5	8,50	9,068	9,096
11	1,5	9,50	10,068	10,096
12	1,75	10,25	10,911	10,943
14	2	12,00	12,757	12,786
16	2	14,00	14,752	14,786
18	2,5	15,50	16,430	16,466
20	2,5	17,50	18,430	18,466
22	2,5	19,50	20,430	20,466
24	3	21,00	22,115	22,157
27	3	24,00	25,115	25,157
30	3,5	26,50	27,794	27,839
33	3,5	29,50	30,794	30,839
36	4	32,00	33,473	33,520
39	4	35,00	36,473	36,520
42	4,5	37,50	39,152	39,202
45	4,5	40,50	42,152	42,202
48	5	43,00	44,832	44,885
52	5	47,00	48,832	48,000
56	5,5	50,50	52,512	52,568
60	5,5	54,50	56,512	56,568
64	6	58,00	60,193	60,253
68	6	62,00	64,193	64,253

MJ	passo <i>pitch</i>	
3	0,5	2,60
4	0,7	3,40
5	0,8	4,30
6	1	5,10
8	1	6,90
8	1,25	6,90
10	1	9,10
10	1,25	8,90
10	1,5	8,60
12	1,25	10,90
12	1,5	10,60
12	1,75	10,40
14	1,5	12,60
14	2	12,20
16	1,5	14,60
16	2	14,20

Maschi a rullare - Cold forming taps

M	passo <i>pitch</i>		Tolleranza
			<i>Tolerance</i>
2	0,4	1,82	± 0,02
2,5	0,45	2,30	± 0,02
3	0,5	2,80	± 0,03
3,5	0,6	3,25	± 0,03
4	0,7	3,70	± 0,03
5	0,8	4,65	± 0,03
6	1	5,55	± 0,05
8	1,25	7,40	± 0,05
10	1,5	9,30	± 0,05
12	1,75	11,20	± 0,05
14	2	13,10	± 0,05
16	2	15,10	± 0,05
18	2,5	16,90	± 0,05
20	2,5	18,90	± 0,05
22	2,5	20,90	± 0,05
24	3	22,70	± 0,05

MASCHIATURA STANDARD (CONVENZIONALE) e MASCHIATURA RIGIDA (RS)

Abitualmente i maschi vengono montati su pinze o mandrini che consentono un certo grado di libertà:

l'operazione di filettatura così eseguita viene identificata con la specifica "a compensazione". L'impiego di maschi elicoidali, particolarmente di quelli a forte torsione (40° - 45° - 48°), può comportare qualche problema sulle filettature ottenute. Infatti, in modo particolare nella lavorazione di acciai con resistenza medio-bassa, si può riscontrare l'ottenimento di una filettatura maggiorata. In tal caso, allora, la risposta del tampone NP risulta negativa, e si vedrà quindi lo stesso avvitarsi oltre i 2 giri canonici se non, addirittura, avvitarsi completamente su tutta la filettatura.

Per ovviare a questo inconveniente, da tempo siamo soliti realizzare maschi, nelle tipologie a forte torsione, che prevengono l'insorgere di questa problematica grazie ad alcuni accorgimenti adottati nel corso della loro fabbricazione.

Quando invece abbiamo a che fare con sistemi di maschiatura rigida, la velocità di avanzamento è sincronizzata direttamente con il passo del maschio tramite la macchina utensile. Ecco perché, per questo impiego, si devono usare dei porta-utensili rigidi o dotati di micro-compensazione. E per l'utilizzo con questo sistema andiamo a realizzare dei maschi con caratteristiche specifiche (identificati dalla sigla "RS").

STANDARD TAPPING (CONVENTIONAL) and RIGID TAPPING (RS)

Usually taps are mounted on collets or chucks which allow a certain degree of freedom: the threading operation done in this way is identified as "in compensation". The use of helical taps, particularly those with a strong twist (40° - 45° - 48°), can cause some problems on the threads obtained. In fact, particularly machining steels with medium-low resistance, it is possible to obtain a larger thread. In this case, then, the answer of the NP pad is negative, and it will therefore be screwed beyond the 2 standard turns or even screwed completely over the entire thread.

To overcome this inconvenience, since many times we have been producing taps, in high-torsion types, to prevent the onset of this problem thanks to some measures adopted during their manufacturing.

However, when we are working with rigid tapping systems, the feed speed is synchronized directly with the pitch of the tap via the machine tool. That's why, for this use, rigid tool holders or ones equipped with micro-compensation must be recommended. And for use with this system, we are going to create taps with specific characteristics (identified by the acronym "RS").



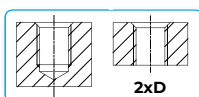
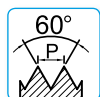
MF Filettatura metrica a passo fine ISO/DIN 13
ISO Metric Fine Thread ISO/DIN 13

MASCHI A MANO DIN 2181 in serie di 2 pezzi HSS M2
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H



HAND TAPS DIN 2181 set of 2 HSS M2
Iso Metric Fine Thread - UNI 4535 - DIN 13 - 6H

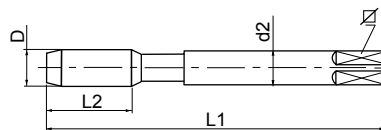
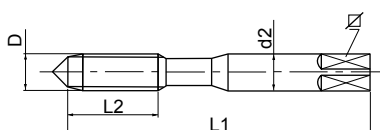
HSS



1425

DIN 2181

DIN 2181



DIN 2181							1425		1425.1
D	p	L ₁	L ₂	d ₂	∠		serie / set	finitore / 2 nd	serie / set Filettatura SINISTRA LEFT Hand
3	0,35	40	9	3,5	2,7	2,65	40,73	*	-
3,5	0,35	45	10	4,0	3,0	3,15	45,62	-	-
4	0,5	45	11	4,5	3,4	3,50	40,73	-	-
4,5	0,5	50	13	6,0	4,9	4,00	50,92	*	-
5	0,5	50	13	6,0	4,9	4,50	30,55	-	-
6	0,75	56	15	6,0	4,9	5,25	30,55	21,78	*
7	0,75	56	16	6,0	4,9	6,25	38,36	-	-
8	0,75	63	19	6,0	4,9	7,25	37,76	26,95	*
8	1	63	19	6,0	4,9	7,00	37,51	26,95	*
9	1	63	19	7,0	5,5	8,00	37,93	26,95	-
10	0,75	63	20	7,0	5,5	9,25	39,30	-	-
10	1	63	20	7,0	5,5	9,00	35,14	25,19	*
10	1,25	70	22	7,0	5,5	8,75	35,14	25,19	*
11	1	63	20	8,0	6,2	10,00	44,13	*	-
12	1	70	22	9,0	7,0	11,00	38,87	27,83	*
12	1,25	70	22	9,0	7,0	10,75	38,36	27,50	*
12	1,5	70	22	9,0	7,0	10,50	38,36	27,50	*
14	1	70	22	11,0	9,0	13,00	44,98	*	-
14	1,25	70	22	11,0	9,0	12,75	42,86	-	*
14	1,5	70	22	11,0	9,0	12,50	42,86	30,80	*
15	1	70	22	12,0	9,0	14,00	*	-	-
15	1,5	70	22	12,0	9,0	13,50	*	-	-
16	1	70	22	12,0	9,0	15,00	60,25	43,23	*
16	1,25	70	22	12,0	9,0	14,75	60,25	*	-
16	1,5	70	22	12,0	9,0	14,50	53,46	38,39	*
18	1	80	22	14,0	11,0	17,00	75,28	*	-
18	1,5	80	22	14,0	11,0	16,50	71,71	51,59	*
18	2	80	22	14,0	11,0	16,00	87,41	51,59	-
20	1	80	22	16,0	12,0	19,00	89,96	64,57	-
20	1,5	80	22	16,0	12,0	18,50	85,13	61,16	*
20	2	80	22	16,0	12,0	18,00	85,13	-	-
22	1	80	22	18,0	14,5	21,00	107,35	77,11	-
22	1,5	80	22	18,0	14,5	20,50	102,43	73,59	*
22	2	80	22	18,0	14,5	20,00	102,43	-	-
24	1	90	22	18,0	14,5	23,00	137,48	-	-
24	1,5	90	22	18,0	14,5	22,50	118,81	85,25	*
24	2	90	22	18,0	14,5	22,00	118,81	85,25	*
25	1,5	90	22	18,0	14,5	23,50	153,35	*	-
25	2	90	22	18,0	14,5	23,00	146,81	*	-

*Prezzo a richiesta / Price on demand

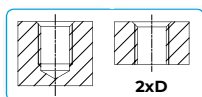
Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MANO DIN 2181 in serie di 2 pezzi HSS M2
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

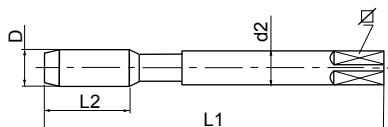
HAND TAPS DIN 2181 set of 2 HSS M2
ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

HSS



1425

DIN 2181



DIN 2181							1425	
D	P	L ₁	L ₂	d ₂	∠		serie / set	finitore / 2 nd
26	1,5	90	22	18,0	14,5	24,50	*	-
26	2	90	22	18,0	14,5	24,00	*	-
27	1,5	90	22	20,0	16,0	25,50	176,52	*
27	2	90	22	20,0	16,0	25,00	176,52	126,72
28	1,5	90	22	20,0	16,0	26,50	192,22	*
28	2	90	22	20,0	16,0	26,00	192,22	-
30	1,5	90	22	22,0	18,0	28,50	210,98	151,47
30	2	90	22	22,0	18,0	28,00	210,98	151,47
32	1,5	90	22	22,0	18,0	30,50	239,32	-
32	2	90	22	22,0	18,0	30,00	264,78	-
33	1,5	100	25	25,0	20,0	31,50	278,04	-
33	2	100	25	25,0	20,0	31,00	295,33	-
35	1,5	100	25	28,0	22,0	33,50	*	-
35	2	125	30	28,0	22,0	33,00	*	-
36	1,5	100	25	28,0	22,0	34,50	349,13	*
36	2	125	36	28,0	22,0	34,00	362,03	-
36	3	125	36	28,0	22,0	33,00	373,57	*
38	1,5	100	25	28,0	22,0	36,50	*	-
39	1,5	110	25	32,0	24,0	37,50	412,44	-
39	2	125	36	32,0	24,0	37,00	430,10	-
39	3	125	36	32,0	24,0	36,00	447,23	-
40	1,5	110	25	32,0	24,0	38,50	434,50	-
40	2	125	36	32,0	24,0	38,00	458,27	-
40	3	125	36	32,0	24,0	37,00	458,27	-
42	1,5	110	25	32,0	24,0	40,50	458,27	-
42	2	125	36	32,0	24,0	40,00	492,21	-
42	3	125	36	32,0	24,0	39,00	492,21	-
45	1,5	110	25	36,0	29,0	43,50	565,19	-
45	2	125	36	36,0	29,0	43,00	577,08	*
45	3	125	36	36,0	29,0	42,00	577,08	*
48	1,5	140	36	36,0	29,0	46,50	644,97	-
48	2	140	36	36,0	29,0	46,00	644,97	-
48	3	140	36	36,0	29,0	45,00	644,97	*
50	1,5	140	36	36,0	29,0	48,50	704,89	-
50	2	140	36	36,0	29,0	48,00	704,89	-
50	3	140	36	36,0	29,0	47,00	704,89	-
52	1,5	140	36	40,0	32,0	50,50	768,87	-
52	2	140	36	40,0	32,0	50,00	768,87	-
52	3	140	40	40,0	32,0	49,00	768,87	-

*Prezzo a richiesta / Price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C"

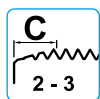
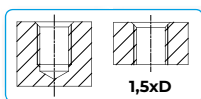
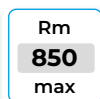
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

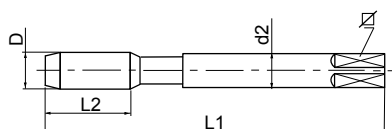
STRAIGHT FLUTES - Chamfer form "C"


ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

 HSSE



DIN 374



DIN 374							4521.0	4521.LO
D	P	L ₁	L ₂	d ₂	∠			Filettatura SINISTRA LEFT Hand
5	0,5	70	13	3,5	2,7	4,50	31,68	-
6	0,5	80	16	4,5	3,4	5,50	31,68	-
6	0,75	80	16	4,5	3,4	5,25	31,68	46,20
7	0,75	80	16	5,5	4,3	6,25	32,67	-
8	0,5	90	18	6,0	4,9	7,50	27,17	-
8	0,75	90	18	6,0	4,9	7,25	27,17	-
8	1	90	18	6,0	4,9	7,00	24,64	37,62
9	1	90	18	7,0	5,5	8,00	37,18	-
10	0,5	90	15	7,0	5,5	9,50	32,12	-
10	0,75	90	15	7,0	5,5	9,25	32,12	-
10	1	90	15	7,0	5,5	9,00	30,69	41,14
10	1,25	100	20	7,0	5,5	8,75	28,05	41,14
11	0,75	90	20	8,0	6,2	10,25	48,51	-
11	1	90	20	8,0	6,2	10,00	48,51	-
12	0,5	100	22	9,0	7,0	11,50	40,70	-
12	0,75	100	22	9,0	7,0	11,25	40,70	-
12	1	100	22	9,0	7,0	11,00	30,80	46,53
12	1,25	100	22	9,0	7,0	10,75	30,80	45,43
12	1,5	100	22	9,0	7,0	10,50	30,80	-
13	1	100	22	11,0	9,0	12,00	36,30	-
13	1,25	100	22	11,0	9,0	11,75	36,30	-
13	1,5	100	22	11,0	9,0	11,50	36,30	-
14	1	100	22	11,0	9,0	13,00	40,70	-
14	1,25	100	22	11,0	9,0	12,75	40,70	-
14	1,5	100	22	11,0	9,0	12,50	39,38	59,40
15	1	100	22	12,0	9,0	14,00	49,50	-
15	1,25	100	22	12,0	9,0	13,75	49,50	-
15	1,5	100	22	12,0	9,0	13,50	49,50	-
16	1	100	22	12,0	9,0	15,00	48,40	-
16	1,25	100	22	12,0	9,0	14,75	48,40	-
16	1,5	100	22	12,0	9,0	14,50	44,00	66,11
17	1	110	25	14,0	11,0	16,00	64,57	-
17	1,5	110	25	14,0	11,0	15,50	64,57	-
18	1	110	25	14,0	11,0	17,00	66,99	-

Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C"

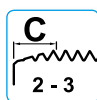
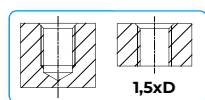
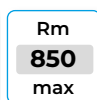
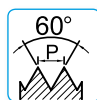
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

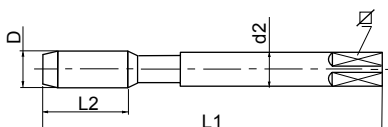
STRAIGHT FLUTES - Chamfer form "C"


ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

 HSSE



DIN 374



DIN 374							4521.0	4521.L0
D	P	L ₁	L ₂	d ₂	∠			Filettatura SINISTRA LEFT Hand
18	1,5	110	25	14,0	11,0	16,50	59,07	86,13
18	2	125	33	14,0	11,0	16,00	72,60	-
19	1	110	25	14,0	11,0	18,00	89,43	-
19	1,5	110	25	14,0	11,0	17,50	89,43	-
20	1	125	25	16,0	12,0	19,00	75,24	-
20	1,5	125	25	16,0	12,0	18,50	68,20	97,35
20	2	140	33	16,0	12,0	18,00	82,50	-
21	1	125	25	16,0	12,0	20,00	112,86	-
21	1,5	125	25	16,0	12,0	19,50	112,86	-
22	1	125	25	18,0	14,5	21,00	87,12	-
22	1,25	125	25	18,0	14,5	20,75	87,12	-
22	1,5	125	25	18,0	14,5	20,50	69,52	*
22	2	140	33	18,0	14,5	20,00	92,51	-
23	1	125	25	18,0	14,5	22,00	119,35	-
23	1,5	125	25	18,0	14,5	21,50	119,35	-
24	1	140	25	18,0	14,5	23,00	96,25	-
24	1,5	140	25	18,0	14,5	22,50	91,74	-
24	2	140	25	18,0	14,5	22,00	101,09	-
25	1	140	25	18,0	14,5	24,00	107,58	-
25	1,5	140	25	18,0	14,5	23,50	107,58	-
25	2	140	25	18,0	14,5	23,00	122,32	-
26	1	140	25	18,0	14,5	25,00	122,65	-
26	1,5	140	25	18,0	14,5	24,50	122,54	-
26	2	140	25	18,0	14,5	24,00	129,14	-
27	1	140	25	20,0	16,0	26,00	129,14	-
27	1,5	140	25	20,0	16,0	25,50	126,72	-
27	2	140	25	20,0	16,0	25,00	127,82	-
28	1	140	25	20,0	16,0	27,00	127,82	-
28	1,5	140	25	20,0	16,0	26,50	126,06	-
28	2	140	25	20,0	16,0	26,00	127,82	-
30	1	150	28	22,0	18,0	29,00	152,35	-
30	1,5	150	28	22,0	18,0	28,50	152,35	-
30	2	150	28	22,0	18,0	28,00	152,35	-

*Prezzo a richiesta / Price on demand

Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C"

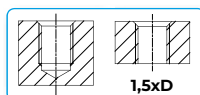
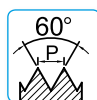
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES - Chamfer form "C"

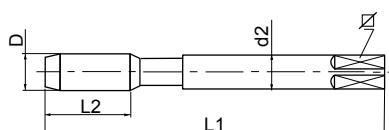
ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H


 HSSE



4521.0

DIN 374



DIN 374						4521.0	
D	P	L ₁	L ₂	d ₂	∠		
30	3	180	46	22,0	18,0	27,00	202,62
32	1,5	150	28	22,0	18,0	30,50	176,11
32	2	150	28	22,0	18,0	30,00	183,92
33	1,5	160	30	25,0	20,0	31,50	216,81
33	2	160	30	25,0	20,0	31,00	216,81
33	3	180	46	25,0	20,0	30,00	247,28
34	1	170	30	28,0	22,0	33,00	287,54
34	1,5	170	30	28,0	22,0	32,50	287,54
34	2	170	30	28,0	22,0	32,00	287,54
35	1,5	170	30	28,0	22,0	33,50	261,91
35	2	170	30	28,0	22,0	33,00	261,91
35	3	200	50	28,0	22,0	32,00	329,01
36	1	170	30	28,0	22,0	35,00	331,43
36	1,25	170	30	28,0	22,0	34,75	331,43
36	1,5	170	30	28,0	22,0	34,50	262,35
36	2	170	30	28,0	22,0	34,00	262,35
36	3	200	50	28,0	22,0	33,00	292,38
37	1	170	30	28,0	22,0	36,00	283,80
37	1,5	170	30	28,0	22,0	35,50	283,80
38	1	170	30	28,0	22,0	37,00	299,31
38	1,5	170	30	28,0	22,0	36,50	299,31
38	2	170	30	28,0	22,0	36,00	299,31
38	3	200	50	28,0	22,0	35,00	299,31
39	1	170	30	32,0	24,0	38,00	318,56
39	1,5	170	30	32,0	24,0	37,50	318,56
39	2	170	30	32,0	24,0	37,00	318,56
39	3	200	50	32,0	24,0	36,00	376,09
40	1	170	30	32,0	24,0	39,00	308,66
40	1,5	170	30	32,0	24,0	38,50	308,66
40	2	170	30	32,0	24,0	38,00	308,66
42	1,5	170	30	32,0	24,0	40,50	365,31
42	2	170	30	32,0	24,0	40,00	365,31
42	3	200	55	32,0	24,0	39,00	415,36

*Prezzo a richiesta / Price on demand

Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

MASCHI A MACCHINA HSS M2

SCANALATURE DIRITTE - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS HSS M2

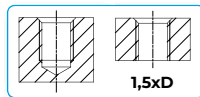
STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

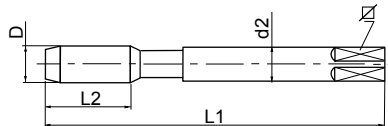
 HSS




4521.0



DIN 374



DIN 374							4521.0
D	P	L ₁	L ₂	d ₂	∠		
45	1,5	180	32	36,0	29,0	43,50	415,36
45	2	180	32	36,0	29,0	43,00	415,36
45	3	200	50	36,0	29,0	42,00	497,10
48	1,5	190	32	36,0	29,0	46,50	545,82
48	2	190	32	36,0	29,0	46,00	545,82
48	3	220	65	36,0	29,0	45,00	584,76
50	1,5	190	32	36,0	29,0	48,50	583,66
50	2	190	32	36,0	29,0	48,00	583,66
50	3	220	65	36,0	29,0	47,00	583,66
52	1,5	190	32	40,0	32,0	50,50	649,33
52	2	190	32	40,0	32,0	50,00	649,33
52	3	220	65	40,0	32,0	49,00	704,22
54	1,5	190	32	40,0	32,0	52,50	663,96
54	2	190	32	40,0	32,0	52,00	663,96
55	1,5	190	32	40,0	32,0	53,50	677,05
55	2	190	32	40,0	32,0	53,00	677,05
56	2	190	32	40,0	32,0	54,00	700,81
56	3	220	65	40,0	32,0	53,00	755,37
56	4	220	65	40,0	32,0	52,00	843,15
60	1,5	190	32	45,0	35,0	58,50	856,46
60	2	190	32	45,0	35,0	58,00	856,46
60	3	220	65	45,0	35,0	57,00	913,77
60	4	220	65	45,0	35,0	56,00	1026,74
62	1,5	190	32	50,0	39,0	60,50	877,25
63	1,5	190	32	50,0	39,0	61,50	877,25
64	1,5	190	32	50,0	39,0	62,50	913,77
64	2	190	32	50,0	39,0	62,00	913,77
64	4	220	65	50,0	39,0	60,00	1035,98

Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

MASCHI A MACCHINA per DADI HSS M2
 Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H
 Imbocco 18 - 20 filetti



NUT MACHINE TAPS HSS M2
 Iso Metric Fine Thread - UNI 4535 - DIN 13 - 6H
 Chamfer 18 - 20 threads

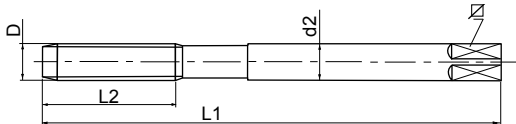
HSS



1525



DIN 357



DIN 357							1525
D	p	L ₁	L ₂	d ₂	∠		
8	1	125	36	6,0	4,9	7,00	30,55
10	1	140	36	7,0	5,5	9,00	38,38
10	1,25	140	40	7,0	5,5	8,75	38,38
12	1,25	180	40	9,0	7,0	10,75	46,49
12	1,5	180	45	9,0	7,0	10,50	46,49
14	1,5	200	45	11,0	9,0	12,50	64,87
16	1,5	200	45	12,0	9,0	14,50	72,44
18	1,5	220	45	14,0	11,0	16,50	90,56
20	1,5	250	50	16,0	12,0	18,50	104,88

Materiali / Application: P1 - P2 - P3 - P4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE DIRITTE - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Rivestimento HPC

MASCHIATURA RIGIDA SINCRONIZZATA

MACHINE TAPS **HSS-Co-PM**

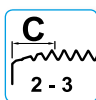
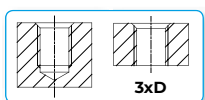
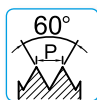
STRAIGHT FLUTES - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

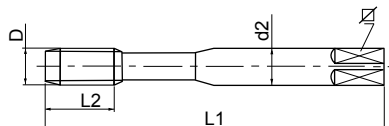
HPC coated


RIGID TAPPING SYNCHRO

 HSS-Co-PM



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA							4521.XS2
D	p	L ₁	L ₂	d ₂	∅		HPC
8	1	90	13	8,0	6,2	7,00	55,33
10	1	100	15	10,0	8,0	9,00	64,90
10	1,25	10	15	10,0	8,0	8,75	64,90
12	1,25	110	18	12,0	9,0	10,75	80,63
12	1,5	110	18	12,0	9,0	10,50	80,63
14	1,5	110	20	12,0	9,0	12,50	101,20
16	1,5	110	20	16,0	12,0	14,50	121,44

Materiali / Application: P5 - P6 / K1 - K2 - K3 - K4 - K5 / N4 - N5 / N8 - N9 / N11 - N12

N.B.: d₂ tolleranza h6 / d₂ tolerance h6

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C" - **per GHISA**

Filettatura metrica ISO/DIN13 - UNI 4535 a passo fine - **6HX**

Rivestimento TiCN

MACHINE TAPS **HSSE M35 5%Co**

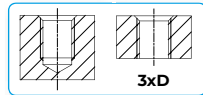
STRAIGHT FLUTES - Chamfer form "C" - **for CAST IRON**

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

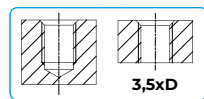
TiCN coated



HSSE



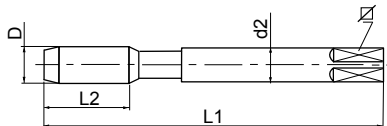
4521.2



4521.C2



DIN 374



DIN 374							4521.2	4521.C2
D	p	L ₁	L ₂	d ₂	∅			FORO CENTRALE with central hole
8	1	90	18	6,0	4,9	7,00	33,00	59,40
10	1	90	15	7,0	5,5	9,00	41,36	72,93
10	1,25	100	20	7,0	5,5	8,75	41,36	77,22
12	1	100	22	9,0	7,0	11,00	50,93	86,13
12	1,25	100	22	9,0	7,0	10,75	50,93	88,22
12	1,5	100	22	9,0	7,0	10,50	50,93	86,13
14	1,5	100	22	11,0	9,0	12,50	62,15	107,58
16	1,5	100	22	12,0	9,0	14,50	69,52	112,09
18	1,5	110	25	14,0	11,0	16,50	86,46	132,88
20	1,5	125	25	16,0	12,0	18,50	100,76	145,20
22	1,5	125	25	18,0	14,5	20,50	111,76	157,96
24	1,5	140	25	18,0	14,5	22,50	136,07	183,37

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: K1 - K2 - K3 - K4 - K5 / N4 - N5 / N7 / N11

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE DIRITTE - **per GHISA**

Filettatura metrica ISO/DIN13 - UNI 4535 a passo fine - **6HX**

Rivestimento **TIALN** **AlCrN**

MACHINE TAPS **HSS-Co-PM**

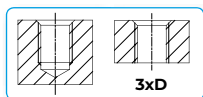
STRAIGHT FLUTES - **for CAST IRON**

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

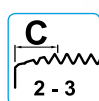
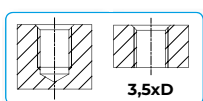
TIALN coated **AlCrN coated**



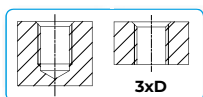
HSS-Co-PM



4521.X2



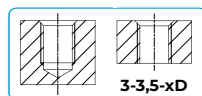
4521.XC2



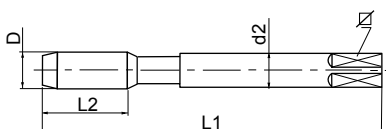
4521.XE2



Rm
1400
max



DIN 374



DIN 374							4521.X2	4521.XC2	4521.XE2
D	p	L ₁	L ₂	d ₂	∅		IMBOCCO "C" Chamfer "C"	IMBOCCO "C" FORATI Chamfer "C" with hole	IMBOCCO "E" Chamfer "E"
8	1	90	18	6,0	4,9	7,00	51,81	82,28	55,88
10	1	90	15	7,0	5,5	9,00	55,88	91,30	61,16
10	1,25	100	20	7,0	5,5	8,75	55,88	87,01	61,16
12	1,25	100	22	9,0	7,0	10,75	63,80	102,85	68,86
12	1,5	100	22	9,0	7,0	10,50	63,80	102,85	68,86
14	1,5	100	22	11,0	9,0	12,50	83,60	125,40	89,32
16	1,5	100	22	12,0	9,0	14,50	99,11	141,79	104,61
18	1,5	110	25	14,0	11,0	16,50	129,25	173,25	-
20	1,5	125	25	16,0	12,0	18,50	156,31	200,31	-
Altre misure a richiesta / Other dimensions on demand									
Materiali / Application: K1 - K2 - K3 - K4 - K5									

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

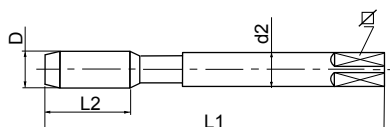
STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"


ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

 HSSE



DIN 374



		DIN 374					4521.1	4521.V1	4521.T1	4521.L1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN	Filettatura SINISTRA LEFT Hand
4	0,5	63	10	2,8	2,1	3,50	32,89	36,85	42,02	-
5	0,5	70	10	3,5	2,7	4,50	32,89	36,85	42,02	-
6	0,75	80	16	4,5	3,4	5,25	32,89	36,85	42,02	-
7	0,75	80	16	5,5	4,3	6,25	36,52	40,81	49,39	-
8	0,75	90	18	6,0	4,9	7,25	34,43	38,83	47,41	-
8	1	90	18	6,0	4,9	7,00	30,03	36,19	42,46	44,22
9	1	100	18	7,0	5,5	8,00	*	-	-	-
10	0,75	90	15	7,0	5,5	9,25	39,82	44,44	52,58	-
10	1	90	15	7,0	5,5	9,00	31,79	34,76	45,76	45,76
10	1,25	100	20	7,0	5,5	8,75	31,79	36,30	44,55	45,76
11	1	100	20	8,0	6,2	10,00	71,54	-	-	-
12	1	100	22	9,0	7,0	11,00	34,43	39,60	52,14	-
12	1,25	100	22	9,0	7,0	10,75	34,10	39,27	50,93	46,64
12	1,5	100	22	9,0	7,0	10,50	34,10	39,27	50,93	46,64
14	1	100	22	11,0	9,0	13,00	45,65	55,11	66,99	-
14	1,25	100	22	11,0	9,0	12,75	46,38	-	-	-
14	1,5	100	22	11,0	9,0	12,50	44,77	51,59	66,99	64,79
16	1	10	22	12,0	9,0	15,00	55,99	65,67	78,21	-
16	1,5	100	22	12,0	9,0	14,50	47,52	56,65	71,28	70,62
18	1	110	25	14,0	11,0	17,00	70,62	84,81	97,79	-
18	1,5	110	25	14,0	11,0	16,50	62,04	72,60	89,32	-
20	1	125	25	16,0	12,0	19,00	81,62	92,73	114,18	-
20	1,5	125	25	16,0	12,0	18,50	74,25	88,88	106,81	-
22	1	125	25	18,0	14,5	21,00	98,01	110,00	138,71	-
22	1,5	125	25	18,0	14,5	20,50	81,18	92,95	124,30	-
24	1	140	25	18,0	14,5	23,00	110,00	131,34	162,58	-
24	1,5	140	25	18,0	14,5	22,50	97,90	108,35	146,19	-
24	2	140	25	18,0	14,5	22,00	115,50	126,28	160,82	-
25	1,5	140	25	18,0	14,5	23,50	128,26	139,15	176,66	-
25	2	140	25	18,0	14,5	23,00	146,19	161,48	195,80	-
26	1,5	140	25	18,0	14,5	24,50	146,19	160,71	207,13	-
26	2	140	25	18,0	14,5	24,00	155,98	171,05	207,13	-
27	1	140	25	20,0	16,0	26,00	157,96	171,16	204,60	-
27	1,5	140	25	20,0	16,0	25,50	159,61	171,27	203,94	-
27	2	140	25	20,0	16,0	25,00	166,98	182,05	220,44	-
28	1,5	150	25	20,0	16,0	26,50	162,47	180,40	237,60	-
28	2	140	25	20,0	16,0	26,00	162,47	180,40	237,60	-

*Prezzo a richiesta / Price on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

 HSSE



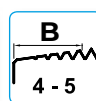
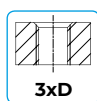
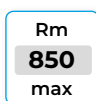
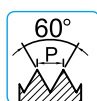
4521.1



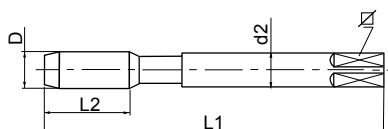
4521.V1




4521.T1



DIN 374



DIN 374							4521.1	4521.V1	4521.T1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN
30	1,5	150	28	22,0	18,0	28,50	191,29	210,43	285,12
30	2	150	28	22,0	18,0	28,00	191,29	210,43	269,17
30	3	180	46	22,0	18,0	27,00	201,08	221,21	290,07
32	1,5	150	28	22,0	18,0	30,50	239,25	263,23	318,89
32	2	150	28	22,0	18,0	30,00	239,25	263,23	318,89
33	1,5	160	30	25,0	20,0	31,50	244,64	269,06	335,06
33	2	160	30	25,0	20,0	31,00	244,64	269,06	335,06
34	1,5	170	30	28,0	22,0	32,50	298,54	328,46	406,34
35	1,5	170	30	28,0	22,0	33,50	299,64	328,46	406,34
36	1,5	170	30	28,0	22,0	34,50	322,85	355,19	425,15
36	2	170	30	28,0	22,0	34,00	315,59	347,16	418,00
36	3	200	50	28,0	22,0	33,00	363,22	399,52	472,67
38	1,5	170	30	28,0	22,0	36,50	366,30	402,93	490,60
39	3	190	36	32,0	24,0	36,00	366,30	-	-
40	1,5	170	30	32,0	24,0	38,50	377,74	415,47	490,60
40	2	170	30	32,0	24,0	38,00	378,51	416,35	502,81
40	3	200	50	32,0	24,0	37,00	420,29	-	-
42	1,5	170	30	32,0	24,0	40,50	450,78	495,77	590,48
42	2	170	30	32,0	24,0	40,00	450,78	483,78	590,48
42	3	200	55	32,0	24,0	39,00	499,51	549,45	639,21

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Fine Thread - UNI 4535 - DIN 13

 HSSE

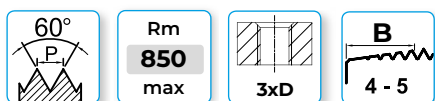


4521.6G1

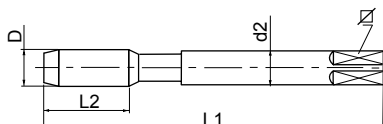
4521.7G1


4821.1

4921.1



DIN 374



DIN 374							4521.6G1	4521.7G1	4821.1	4921.1
D	p	L ₁	L ₂	d ₂	∠		6G	7G	6H + 0,1	6H + 0,2
8	1	90	18	6,0	4,9	7,00	33,55	33,55	36,58	*
10	1	90	15	7,0	5,5	9,00	36,41	36,41	39,76	*
10	1,25	100	20	7,0	5,5	8,75	36,41	36,41	39,76	*
12	1	100	22	9,0	7,0	11,00	*	*	*	*
12	1,25	100	22	9,0	7,0	10,75	36,41	36,41	39,75	*
12	1,5	110	22	9,0	7,0	10,50	36,41	36,41	39,75	*
14	1	100	22	11,0	9,0	13,00	-	-	*	*
14	1,5	100	22	11,0	9,0	12,50	49,17	49,17	53,62	*
16	1,5	100	22	12,0	9,0	14,50	52,36	52,36	57,12	*
*Prezzo a richiesta / Price on demand										
Materiali / Application: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7										

MASCHI A MACCHINA

SCANALATURE DIRITTE con IMBOCCO CORRETTO - Forma "B"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Universali - per materiali ad alta resistenza - per **INOX**

MACHINE TAPS

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread - UNI 4535 - DIN 13 - **6HX**

Universal use - for high resistance materials - for **STAINLESS STEEL**



HSS-Co-PM

Rm
1200
max

Universal



4521.U1

Rm
1400
max

Hard



4521.X1

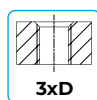
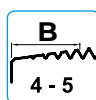
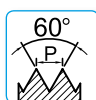
HSSV

Rm
1000
max

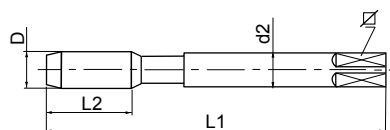
INOX



4521.S1



DIN 374



DIN 374							4521.U1	4521.X1	4521.S1
D	p	L ₁	L ₂	d ₂	∠		ASP30 + TX	ASP30 + HPC	HSSV + HPC
8	1	90	18	6,0	4,9	7,00	51,15	48,95	48,40
10	1	90	15	7,0	5,5	9,00	61,60	52,36	53,68
10	1,25	100	20	7,0	5,5	8,75	61,60	52,36	53,68
12	1,25	100	22	9,0	7,0	10,75	-	64,46	57,53
12	1,5	110	22	9,0	7,0	10,50	70,51	64,46	57,53
14	1,5	100	22	11,0	9,0	12,50	85,14	87,78	72,38
16	1,5	100	22	12,0	9,0	14,50	91,30	94,60	79,75
18	1,5	110	25	14,0	11,0	16,50	117,70	-	-
20	1,5	125	25	16,0	12,0	18,50	149,05	-	*
22	1,5	125	25	18,0	14,5	20,50	179,41	-	-
24	1,5	140	25	18,0	14,5	22,50	214,94	-	-

*Prezzo a richiesta / price on demand

Materiali / Application: **4521.U1:** P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7

4521.X1: P5 - P6 / K3 - K4 / N4 / N8

4521.S1: P3 - P4 - P5 / M1 - M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA SINISTRA 15° - TAGLIO DESTRO** - Imbocco "D"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine

Rivestimento TICN per TITANIO e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - LEFT HELIX 15° - RIGHT CUT - Chamfer form "D"

ISO Metric Fine Thread - UNI 4535 - DIN 13

TICN coated for TITANIUM and alloys



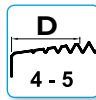
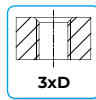
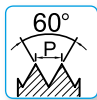
 HSS-Co-PM

6HX  **4521.XT1**

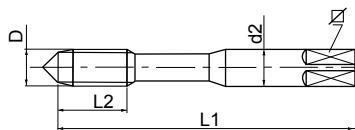
4H  **4521.XJT1**



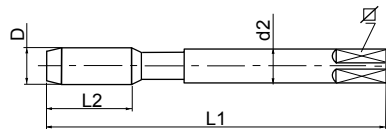
CRESTE ARROTONDATE
WITH ROUNDED CREST





DIN 371 D ≤ 10mm.



DIN 374 D ≥ 12mm.



DIN 371 / DIN 374								4521.XT1	4521.XJT1
D	p	L ₁	L ₂	d ₂			Preforo MJ	6HX	Filettatura MJF - 4H
8	1	90	18	8,0	6,2	7,00	7,10	49,39	62,48
10	1	100	20	10,0	8,0	9,00	9,10	50,16	62,48
10	1,25	100	20	10,0	8,0	8,75	8,90	50,16	62,48
12	1,25	100	22	9,0	7,0	10,75	10,90	60,94	-
12	1,5	100	22	9,0	7,0	10,50	10,60	60,94	-

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N8 - N9 / S2 - S3 / S5

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA SINISTRA 10° - TAGLIO DESTRO** - Imbocco "D"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Rivestimento TICN per NICKEL e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - LEFT HELIX 10° - RIGHT CUT - Chamfer form "D"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

TICN coated for NICKEL and alloys



HSS-Co-PM

6HX



4521.XN1



CRESTE ARROTONDATE
WITH ROUNDED CREST

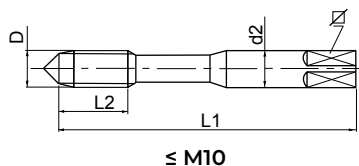
4H



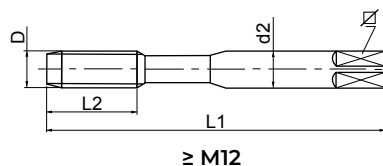
4521.XJN1



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA							4521.XN1	4521.XJN1
D	p	L₁	L₂	d₂			6HX	Filettatura MJF - 4H
8	1	90	25	8,0	6,2	7,00	53,90	67,38
10	1	100	30	10,0	8,0	9,00	56,87	71,09
10	1,25	100	30	10,0	8,0	8,75	56,87	71,09
12	1,25	110	30	12,0	9,0	10,75	69,30	-
12	1,5	110	30	12,0	9,0	10,50	69,30	-

Materiali / Application: P6 / H7 / N9 / S5 - S6

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

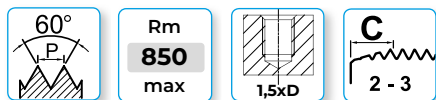
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

 HSSE



4522.1

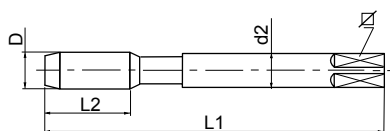



4522.V1



4522.T1

DIN 374



DIN 374							4522.1	4522.V1	4522.T1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN
4	0,5	63	10	2,8	2,1	3,50	29,69	-	-
5	0,5	70	13	3,5	2,7	4,50	29,69	-	-
6	0,75	80	16	4,5	3,4	5,25	31,68	35,75	40,92
7	0,75	80	18	5,5	4,3	6,25	35,35	-	-
8	0,75	90	18	6,0	4,9	7,25	33,33	37,84	44,11
8	1	90	18	6,0	4,9	7,00	29,04	33,88	40,15
10	0,75	90	15	7,0	5,5	9,25	40,04	44,66	52,25
10	1	90	15	7,0	5,5	9,00	28,27	32,89	41,14
10	1,25	100	20	7,0	5,5	8,75	28,27	32,893	41,14
11	0,75	100	15	8,0	6,2	10,25	*	-	-
11	1	100	20	8,0	6,2	10,00	*	-	-
11	1,25	100	20	8,0	6,2	9,75	46,86	53,90	64,57
12	0,75	100	15	9,0	7,0	11,25	*	-	-
12	1	100	22	9,0	7,0	11,00	31,35	36,74	49,06
12	1,25	100	22	9,0	7,0	10,75	31,35	36,74	49,06
12	1,5	110	22	9,0	7,0	10,50	31,35	36,74	49,06
13	1	100	22	11,0	9,0	12,00	*	-	-
13	1,5	100	22	11,0	9,0	11,50	*	-	-
14	0,75	100	15	11,0	9,0	13,25	*	-	-
14	1	100	22	11,0	9,0	13,00	40,81	47,85	63,47
14	1,25	100	22	11,0	9,0	12,75	40,81	47,85	63,47
14	1,5	100	22	11,0	9,0	12,50	40,81	47,85	63,47
15	1	100	22	12,0	9,0	14,00	*	-	-
15	1,5	100	22	12,0	9,0	13,50	*	-	-
16	1	100	22	12,0	9,0	15,00	49,39	56,32	71,72
16	1,25	100	22	12,0	9,0	14,75	49,39	57,20	73,26
16	1,5	100	22	12,0	9,0	14,50	42*68	49,06	66,44
17	1	110	25	14,0	11,0	16,00	*	-	-
17	1,5	110	25	14,0	11,0	15,50	*	-	-
18	1	110	25	14,0	11,0	17,00	66,99	74,25	93,83
18	1,25	110	25	14,0	11,0	16,75	*	-	-
18	1,5	110	25	14,0	11,0	16,50	58,41	66,55	85,25
18	2	110	25	14,0	11,0	16,00	*	-	-
19	1	125	25	16,0	12,0	18,00	*	-	-
19	1,5	125	25	16,0	12,0	17,50	*	-	-

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

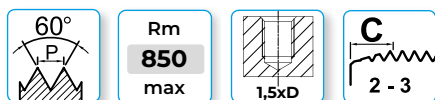
ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"
 Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**
 SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"
 ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

 HSSE



4522.1

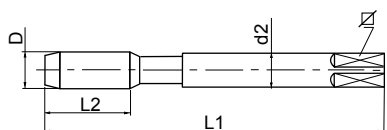



4522.V1



4522.T1

DIN 374



DIN 374							4522.1	4522.V1	4522.T1
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN
20	1	125	25	16,0	12,0	19,00	77,99	86,46	112,09
20	1,25	125	25	16,0	12,0	18,75	*		-
20	1,5	125	25	16,0	12,0	18,50	69,85	78,32	103,95
20	2	140	33	16,0	12,0	18,00	*	-	-
21	1	125	25	18,0	14,5	20,00	*	-	-
21	1,5	125	25	18,0	14,5	19,50	*	-	-
22	1	125	25	18,0	14,5	21,00	*	-	-
22	1,25	125	25	18,0	14,5	20,75	*	-	-
22	1,5	125	25	18,0	14,5	20,50	74,91	84,48	110,33
22	2	140	33	18,0	14,5	20,00	*	-	-
24	1	140	25	18,0	14,5	23,00	100,87	115,50	155,65
24	1,5	140	25	18,0	14,5	22,50	96,25	107,25	145,75
24	2	140	25	18,0	14,5	22,00	100,10	116,38	149,60
25	1	140	25	18,0	14,5	24,00	112,20	122,76	161,48
25	1,5	140	25	18,0	14,5	23,50	112,20	122,76	161,48
25	2	140	25	18,0	14,5	23,00	*	-	-
26	1	140	25	18,0	14,5	25,00	121,88	134,75	169,40
26	1,5	140	25	18,0	14,5	24,50	121,88	134,75	169,40
27	1,5	140	25	20,0	16,0	25,50	124,18	-	-
27	2	140	25	20,0	16,0	25,00	129,14	149,49	184,14
28	1,5	140	25	20,0	16,0	26,50	130,46	144,87	200,20
28	2	140	25	20,0	16,0	26,00	136,06	-	-
30	1	150	28	22,0	18,0	29,00	159,61	170,72	236,61
30	1,5	150	28	22,0	18,0	28,50	159,61	170,72	236,61
30	2	150	28	22,0	18,0	28,00	159,61	170,72	236,61
33	2	160	30	25,0	20,0	31,00	287,87	-	-
36	2	170	30	28,0	22,0	34,00	287,87	-	-
36	3	200	50	28,0	22,0	33,00	401,94	-	-
40	3	200	50	32,0	24,0	37,00	401,94	-	-
42	1,5	170	30	32,0	24,0	40,50	400,73	-	-
45	1,5	180	32	36,0	29,0	43,50	455,84	-	-
45	3	200	50	36,0	29,0	42,00	598,95	-	-
48	1,5	190	32	36,0	29,0	46,50	598,95	-	-
48	2	190	32	36,0	29,0	46,00	598,95	-	-
48	3	220	65	36,0	29,0	45,00	641,85	-	-
56	4	220	65	40,0	32,0	52,00	925,21	-	-

*Prezzo a richiesta / price on demand

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Rivestimento TICN per **TITANIO** e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

TICN coated for **TITANIUM and alloys**



HSS-Co-PM

6HX  **4522.XT1**



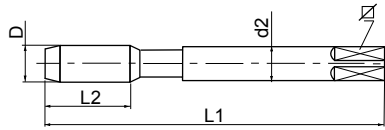
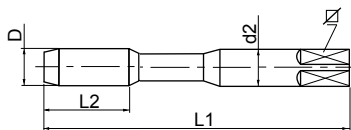
CRESTE ARROTONDATE
WITH ROUNDED CREST


4H  **4522.XJT1**



DIN 371 D ≤ 10mm.

DIN 374 D ≥ 12mm.



DIN 371 / DIN 374								4522.XT1	4522.XJT1
D	p	L ₁	L ₂	d ₂	∅		Preforo MJF	6HX	Filettatura MJF - 4H
8	1	90	13	8,0	6,2	7,00	7,10	49,17	61,60
10	1	100	15	10,0	8,0	9,00	9,10	49,94	62,48
10	1,25	100	15	10,0	8,0	8,75	8,90	49,94	62,48
12	1,25	100	13	9,0	7,0	10,75	10,90	61,27	-
12	1,5	100	13	9,0	7,0	10,50	10,60	61,27	-
14	1,5	100	15	11,0	9,0	12,50	12,60	70,18	-
16	1,5	100	15	12,0	9,0	14,50	14,60	80,63	-

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N8 - N9 / S2 - S3 / S5

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - ELICA DESTRA 10° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine

Rivestimento TICN per NICKEL e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - RIGHT HELIX 10° - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13

TICN coated for NICKEL and alloys



HSS-Co-PM

6HX



4522.XN1



CRESTE ARROTONDATE
WITH ROUNDED CREST

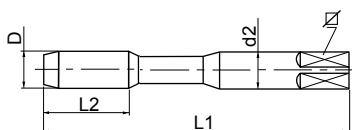
4H



4522.XJN1

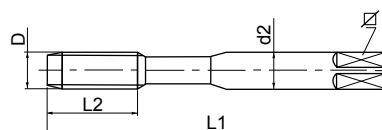


NORMA DI FABBRICA - FIUM NORM



≤ M10

NORMA DI FABBRICA - FIUM NORM



≥ M12

NORMA DI FABBRICA							4522.XN1	4522.XJN1
D	p	L ₁	L ₂	d ₂	□	⊕	6HX	Filettatura MJF - 4H
8	1	90	25	8,0	6,2	7,00	53,46	66,83
10	1	100	30	10,0	8,0	9,00	54,89	68,61
10	1,25	100	30	10,0	8,0	8,75	54,89	68,61
12	1,25	110	30	12,0	9,0	10,75	66,00	-
12	1,5	110	30	12,0	9,0	10,50	66,00	-

Materiali / Application: P6 / M4 / N9 / S5 - S6

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

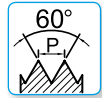
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

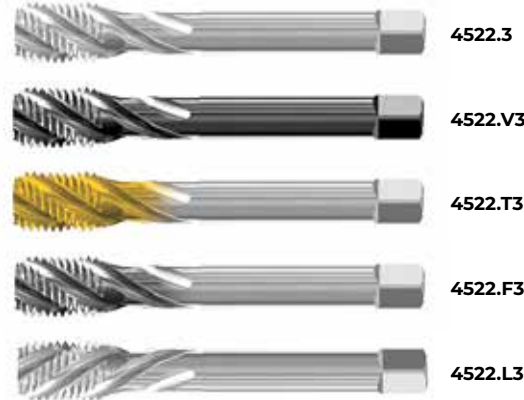
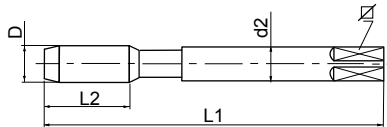
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"


ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

 HSSE



DIN 374



DIN 374							4522.3	4522.V3	4522.T3	4522.F3	4522.L3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN	HPC	Filettatura SINISTRA 35° LEFT Hand 35°
6	0,75	80	10	4,5	3,4	5,25	36,74	39,60	45,54	-	-
8	0,75	90	13	6,0	4,9	7,25	34,21	38,72	46,64	-	-
8	1	90	13	6,0	4,9	7,00	29,92	34,43	42,79	46,42	41,80
9	1	90	18	7,0	5,5	8,00	40,15	44,77	55,44	-	-
10	1	90	15	7,0	5,5	9,00	32,78	36,30	45,54	50,32	47,63
10	1,25	100	15	7,0	5,5	8,75	31,02	34,76	45,76	49,91	43,67
12	1	100	13	9,0	7,0	11,00	40,37	45,76	58,08	64,57	-
12	1,25	100	13	9,0	7,0	10,75	40,37	45,76	58,08	64,57	60,72
12	1,5	100	15	9,0	7,0	10,50	40,37	45,76	58,08	64,57	60,72
13	1	100	15	11,0	9,0	12,00	59,95	67,10	82,61	-	-
14	1	100	15	11,0	9,0	13,00	51,70	58,41	74,25	-	-
14	1,25	100	15	11,0	9,0	12,75	51,70	58,41	74,25	-	-
14	1,5	100	15	11,0	9,0	12,50	51,70	58,41	72,71	83,48	77,44
15	1	100	22	12,0	9,0	14,00	61,27	68,64	85,03	-	-
16	1	100	15	12,0	9,0	15,00	56,54	66,22	80,30	-	-
16	1,5	100	15	12,0	9,0	14,50	56,54	66,22	80,30	88,14	82,83
17	1	110	25	14,0	11,0	16,00	81,62	91,52	108,90	-	-
18	1	110	17	14,0	11,0	17,00	73,37	83,27	100,54	-	-
18	1,5	110	17	14,0	11,0	16,50	73,37	84,37	100,54	112,31	-
18	2	125	25	14,0	11,0	16,00	73,37	84,37	100,54	-	-
20	1	125	17	16,0	12,0	19,00	91,96	102,52	126,06	-	-
20	1,5	125	17	16,0	12,0	18,50	91,96	102,52	126,06	140,73	-
20	2	140	25	16,0	12,0	18,00	91,96	102,52	126,06	-	-
22	1	125	18	18,0	14,5	21,00	*	-	-	-	-
22	1,5	125	18	18,0	14,5	20,50	97,46	109,12	136,29	-	*
22	2	140	25	18,0	14,5	20,00	97,46	109,12	136,29	-	-
24	1	140	20	18,0	14,5	23,00	110,22	124,85	165,11	-	-
24	1,5	140	20	18,0	14,5	22,50	110,22	124,85	165,11	-	-
24	2	140	20	18,0	14,5	22,00	110,22	124,85	165,11	-	-

*Prezzo a richiesta / Price on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

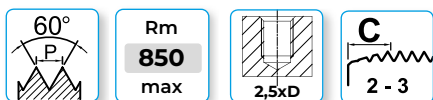
Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6H

MACHINE TAPS **HSSE M35 5%Co**

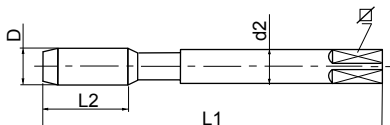
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6H

■ HSSE



DIN 374



DIN 374							4522.3	4522.V3	4522.T3
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN
25	1	140	20	18,0	14,5	24,00	140,36	154,88	188,43
25	1,5	140	20	18,0	14,5	23,50	140,36	154,88	195,14
26	1,5	140	20	18,0	14,5	24,50	152,35	167,64	207,13
27	1,5	140	20	20,0	16,0	25,50	176,66	194,37	226,16
27	2	140	20	20,0	16,0	25,00	176,66	190,96	224,62
28	1,5	140	20	20,0	16,0	26,50	196,13	216,04	271,15
30	1,5	150	22	22,0	18,0	28,50	237,60	267,63	312,40
30	2	150	22	22,0	18,0	28,00	261,91	286,77	338,91
32	1,5	150	22	22,0	18,0	30,50	268,07	299,20	356,40
32	2	150	22	22,0	18,0	30,00	268,07	294,80	356,73
33	2	160	24	25,0	20,0	31,00	292,38	321,64	368,17
33	3	180	35	25,0	20,0	30,00	307,01	321,64	402,49
36	1,5	170	24	28,0	22,0	34,50	390,72	398,42	483,45
36	2	170	24	28,0	22,0	34,00	373,78	413,60	491,15
36	3	200	40	28,0	22,0	33,00	389,84	421,96	499,51
39	3	200	40	32,0	24,0	36,00	439,78	482,24	564,08
42	2	170	25	32,0	24,0	40,00	538,56	582,67	684,75
42	3	200	40	32,0	24,0	39,00	538,56	582,67	684,75
50	1,5	190	27	37,0	29,0	48,50	*	-	-

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13

 HSSE



4522.6G3

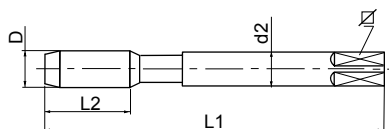
4522.7G3


4822.3

4922.3



DIN 374



DIN 374							4522.6G3	4522.7G3	4822.3	4922.3
D	p	L ₁	L ₂	d ₂	∠		6G	7G	6H + 0,1	6H + 0,2
8	1	90	13	6,0	4,9	7,00	32,89	*	35,84	*
10	1	90	15	7,0	5,5	9,00	35,75	*	39,01	*
10	1,25	100	15	7,0	5,5	8,75	35,75	*	39,01	*
12	1	100	13	9,0	7,0	11,00	*	*	*	*
12	1,25	100	13	9,0	7,0	10,75	46,53	*	50,78	*
12	1,5	100	13	9,0	7,0	10,50	44,44	*	48,40	*
14	1	100	15	11,0	9,0	13,00	*	*	*	*
14	1,5	100	15	11,0	9,0	12,50	57,31	*	62,54	*
16	1,5	100	15	12,0	9,0	14,50	62,04	*	67,71	*
*Prezzo a richiesta / Price on demand										
Materiali / Application: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7										

MASCHI A MACCHINA **HSSE-PM**

SCANALATURE ELICOIDALI - **ELICA DESTRA 45°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

MACHINE TAPS **HSSE-PM**

SPIRAL FLUTES - RIGHT HELIX 45° - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

HSSE-PM



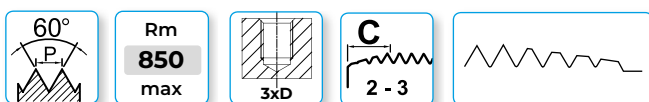
4522.5



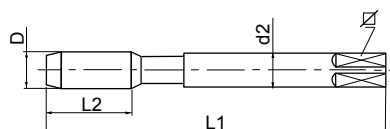
4522.V5



4522.T5



DIN 374



DIN 374							4522.5	4522.V5	4522.T5
D	p	L ₁	L ₂	d ₂	∠		nudi/naked	ST	TIN+
8	1	90	13	6,0	4,9	7,00	27,61	31,90	41,47
10	1	90	15	7,0	5,5	9,00	35,31	39,71	50,60
10	1,25	100	15	7,0	5,5	8,75	35,31	39,71	50,60
12	1	100	13	9,0	7,0	11,00	44,00	48,84	58,08
12	1,25	100	13	9,0	7,0	10,75	44,00	48,84	58,08
12	1,5	100	13	9,0	7,0	10,50	42,02	46,75	60,17
14	1,5	100	15	11,0	9,0	12,50	55,88	61,27	78,21
16	1,5	100	15	12,0	9,0	14,50	63,25	69,30	86,57
18	1,5	110	17	14,0	11,0	16,50	91,52	98,78	117,70
20	1,5	125	17	16,0	12,0	18,50	98,67	107,14	132,00
22	1,5	125	18	18,0	14,5	20,50	118,14	127,71	161,04
24	1,5	140	20	18,0	14,5	22,50	141,13	151,80	195,03

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / M1 - M2

TIN: P1 - P2 - P3 - P4 - P5 / N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSV**

SCANALATURE ELICOIDALI - **ELICA DESTRA 48°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Rivestimento HPC per INOX

MASCHIATURA RIGIDA SINCRONIZZATA

MACHINE TAPS **HSSV**

SPIRAL FLUTES - **RIGHT HELIX 48°** - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

HPC coated for STAINLESS STEEL

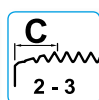
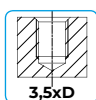
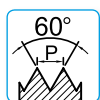
RIGID TAPPING SYNCHRO



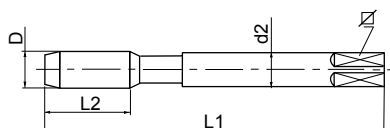
 HSSV




4522.S8



DIN 374



DIN 374							4522.S8
D	p	L ₁	L ₂	d ₂	□		HPC
8	1	90	13	6,0	4,9	7,00	51,48
10	1	90	15	7,0	5,5	9,00	60,06
10	1,25	100	15	7,0	5,5	8,75	57,20
12	1	100	13	9,0	7,0	11,00	68,20
12	1,25	100	13	9,0	7,0	10,75	68,20
12	1,5	100	13	9,0	7,0	10,50	68,20
14	1,5	100	15	11,0	9,0	12,50	86,13
16	1,5	100	15	12,0	9,0	14,50	92,62

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P3 - P4 - P5 / M1 - M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA DESTRA 40°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Rivestimento HPC per materiali ad alta resistenza

MASCHIATURA RIGIDA SINCRONIZZATA

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - **RIGHT HELIX 40°** - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

HPC coated for high resistance materials

RIGID TAPPING SYNCHRO

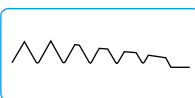
HSS-Co-PM



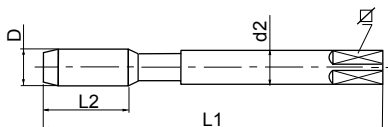
4522.X3



4522.XC3



DIN 374



D	p	DIN 374			d ₂	□	⊕	4522.X3	4522.XC3
		L ₁	L ₂	FORO CENTRALE with central hole					
8	1	90	18	6,0	4,9	7,00	55,99	86,46	
10	1	90	15	7,0	5,5	9,00	57,64	100,98	
10	1,25	100	15	7,0	5,5	8,75	65,67	100,98	
12	1,25	100	13	9,0	7,0	10,75	69,74	103,84	
12	1,5	100	13	9,0	7,0	10,50	69,74	103,84	
14	1,5	100	15	11,0	9,0	12,50	95,59	138,27	
16	1,5	100	15	12,0	9,0	14,50	105,49	148,06	

Materiali / Application: P4 - P5 / K3 - K4

MASCHI A MACCHINA - MACHINE TAPS

NEW 2024

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA DESTRA 15°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Rivestimento TX Universali con **ROMPITRUCIOLO** e foro di lubrificazione centrale

COLD FORMING MACHINE TAPS HSS-Co-PM

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

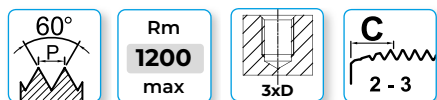
TX coated Universal use with **CHIP BREAKER** and central lubrication hole

HSS-Co-PM

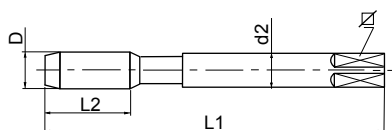


4522.UCB1

ROMPITRUCIOLO
CHIP BREAKER



DIN 374



DIN 374							4522.UCB1
D	p	L ₁	L ₂	d ₂	∅	∅	TX
8	1	90	13	6,0	4,9	7,00	72,93
10	1	90	15	7,0	5,5	9,00	77,33
10	1,25	100	15	7,0	5,5	8,75	77,33
12	1,25	100	13	9,0	7,0	10,75	92,73
12	1,5	100	13	9,0	7,0	10,50	92,73
14	1,5	100	15	11,0	9,0	12,50	117,15
16	1,5	100	15	12,0	9,0	14,50	125,62
18	1,5	110	17	14,0	11,0	16,50	161,70
20	1,5	125	17	16,0	12,0	18,50	190,63
22	1,5	125	18	18,0	14,5	20,50	220,00
24	1,5	140	20	18,0	14,5	22,50	252,45

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P3 - P4 - P5 - P6

MASCHI A MACCHINA HSS-Co-PM

SCANALATURE ELICOIDALI - **ELICA DESTRA 45°** - Imbocco "C"

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - **6HX**

Rivestimento TX **Universali**

MASCHIATURA RIGIDA SINCRONIZZATA

COLD FORMING MACHINE TAPS HSS-Co-PM

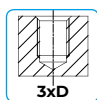
SPIRAL FLUTES - **RIGHT HELIX 45°** - Chamfer form "C"

ISO Metric Fine Thread - UNI 4535 - DIN 13 - **6HX**

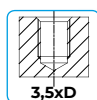
TX coated **Universal use**

RIGID TAPPING SYNCHRO

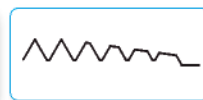
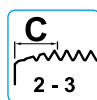
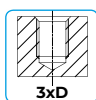
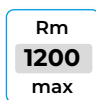
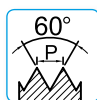
HSS-Co-PM



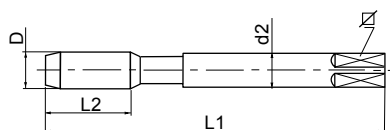
4522.U5



4522.UC5



DIN 374



DIN 374							4522.U5	4522.UC5
D	p	L ₁	L ₂	d ₂	∅			FORO CENTRALE with central hole
8	1	90	13	6,0	4,9	7,00	47,30	77,66
10	1	90	15	7,0	5,5	9,00	55,11	94,38
10	1,25	100	15	7,0	5,5	8,75	56,76	86,46
12	1	100	13	9,0	7,0	11,00	67,54	105,71
12	1,25	100	13	9,0	7,0	10,75	67,54	105,71
12	1,5	100	13	9,0	7,0	10,50	67,54	106,70
14	1,5	100	15	11,0	9,0	12,50	95,26	137,94
16	1,5	100	15	12,0	9,0	14,50	102,74	145,42
18	1,5	110	17	14,0	11,0	16,50	123,20	171,60
20	1,5	125	17	16,0	12,0	18,50	164,45	209,55
22	1,5	125	18	18,0	14,5	20,50	194,92	242,55
24	1,5	140	20	18,0	14,5	22,50	239,36	284,90

Materiali / Application: P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 -K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-PM
Filettatura metrica ISO/DIN 13 – UNI 4535 a passo fine

Rivestimento Super TIN (TIN+)

Con canalini laterali di lubrificazione

MASCHIATURA RIGIDA SINCRONIZZATA

COLD FORMING MACHINE TAPS HSS-Co-PM

ISO Metric Fine Thread – UNI 4535 – DIN 13

Super TIN (TIN+) coated

With lateral lubrication flutes

RIGID TAPPING SYNCHRO

 HSS-Co-PM

6HX

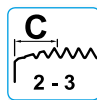
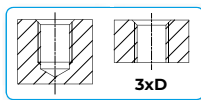
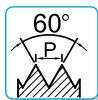


4527.XH

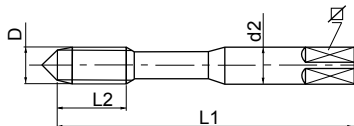
6GX



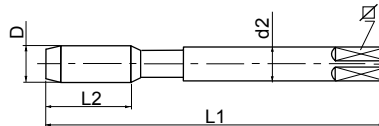
4527.XG




DIN 371 D ≤ 10mm.



DIN 374 D ≥ 12mm.



NEW

DIN 371 / DIN 374							4527.XH	4527.XG
D	p	L ₁	L ₂	d ₂	∅		6HX	6GX
8	1	90	13	8,0	6,2	7,55	63,91	70,62
10	1	90	10	10,0	8,0	9,55	72,82	80,08
10	1,25	100	15	10,0	8,0	9,45	69,52	76,34
12	1	100	15	9,0	7,0	11,55	91,41	100,54
12	1,25	100	15	9,0	7,0	11,45	86,46	95,04
12	1,5	110	15	9,0	7,0	11,30	86,46	95,04
14	1,5	100	15	11,0	9,0	13,30	109,67	120,67
16	1,5	100	15	12,0	9,0	15,30	147,40	162,03
20	1,5	125	17	16,0	12,0	19,30	144,10	151,36
24	1,5	140	20	18,0	14,5	23,30	187,00	196,35

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P3 - P4 - P5 / M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-PM

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6HX

Rivestimento Super TIN (TIN+) Imbocco "C"

A lubrificazione forzata

MASCHIATURA RIGIDA SINCRONIZZATA

COLD FORMING MACHINE TAPS HSS-Co-PM

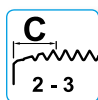
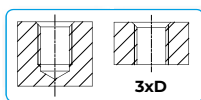
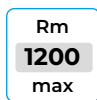
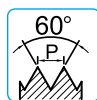
ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6HX

Super TIN (TIN+) coated Chamfer form "C"

With coolant holes

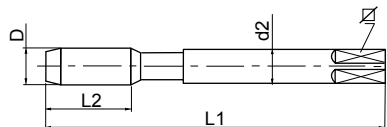
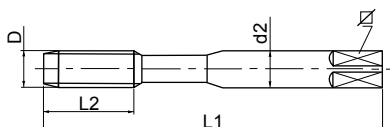
RIGID TAPPING SYNCHRO

HSS-Co-PM



DIN 371 D ≤ 10mm.

DIN 374 D ≥ 12mm.



D	p	DIN 371 / DIN 374		d ₂	□	□	4527.XCH	4527.XRH
		L ₁	L ₂				con foro centrale with central hole	con fori radiali with radial holes
8	1	90	13	8,0	6,2	7,55	94,38	120,01
10	1	90	15	10,0	8,0	9,55	108,24	131,34
10	1,25	100	15	10,0	8,0	9,45	104,72	127,93
12	1	100	15	9,0	7,0	11,55	130,35	152,35
12	1,25	100	15	9,0	7,0	11,45	125,51	147,40
12	1,5	100	15	9,0	7,0	11,30	125,51	147,40
14	1,5	100	15	11,0	9,0	13,30	156,31	173,03
16	1,5	100	15	12,0	9,0	15,30	189,97	213,18
20	1,5	125	17	16,0	12,0	19,30	188,10	203,50
24	1,5	140	20	18,0	14,5	23,30	234,30	249,70

NEW

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P3 - P4 - P5 / M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-PM

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6HX

Rivestimento Super TIN (TIN+)

Imbocco E

MASCHIATURA RIGIDA SINCRONIZZATA

COLD FORMING MACHINE TAPS HSS-Co-PM

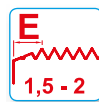
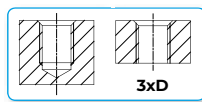
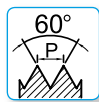
ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6HX

Super TIN (TIN+) coated

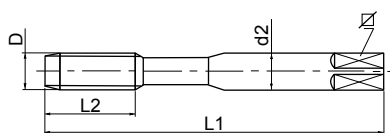
Chamfer E

RIGID TAPPING SYNCHRO

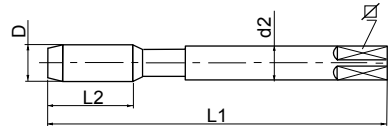
 HSS-Co-PM




DIN 371 D ≤ 10mm.

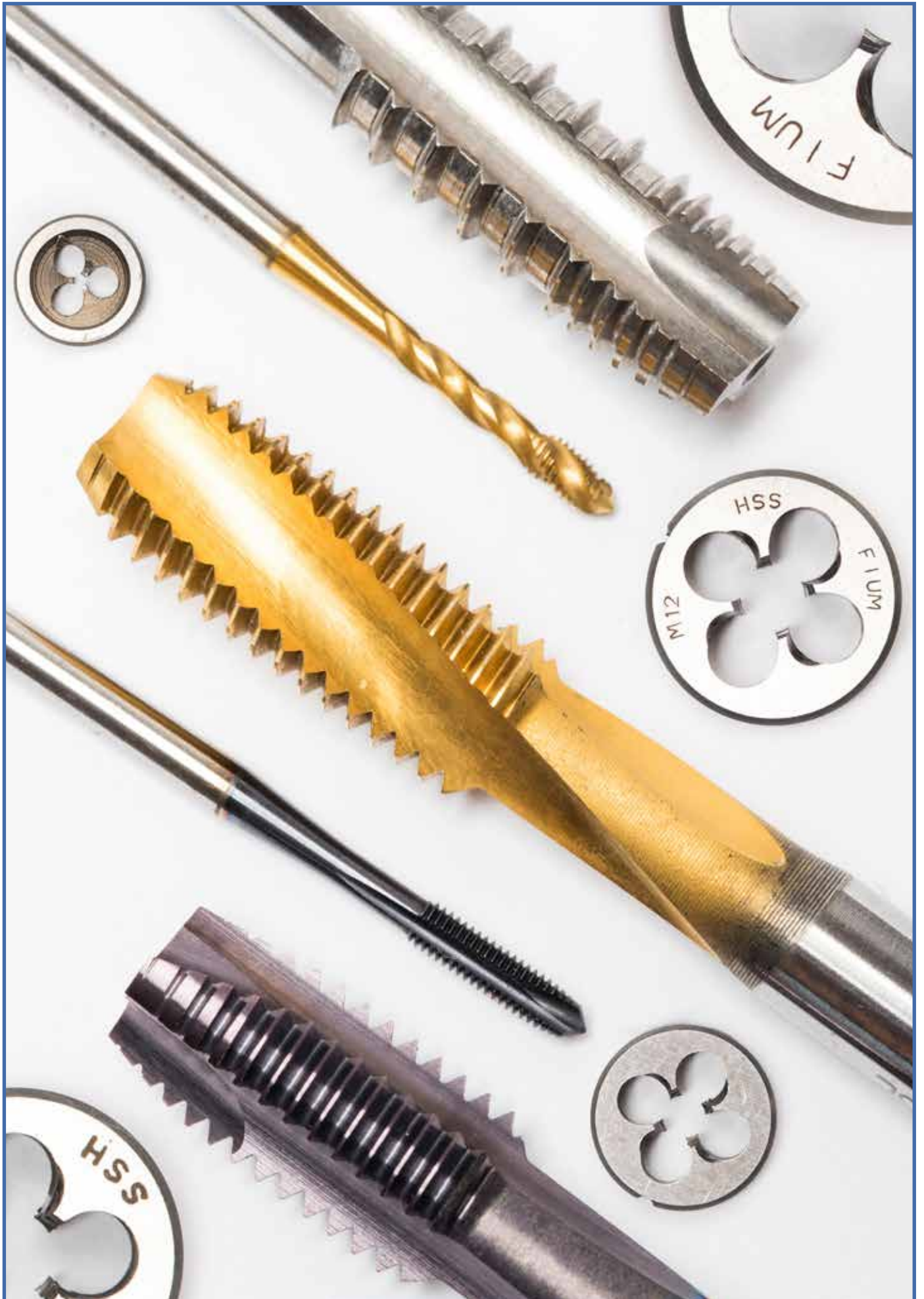


DIN 374 D ≥ 12mm.




DIN 371 / DIN 374							4527.XE	4527.XCE
D	p	L ₁	L ₂	d ₂	∅			con foro centrale with central hole
8	1	90	13	8,0	6,2	7,55	64,79	95,26
10	1	90	10	10,0	8,0	9,55	80,41	115,72
10	1,25	100	15	10,0	8,0	9,45	80,41	115,72
12	1	100	15	9,0	7,0	11,55	98,67	137,61
12	1,25	100	15	9,0	7,0	11,45	98,67	137,61
12	1,5	100	15	9,0	7,0	11,30	98,67	137,61
14	1,5	100	15	11,0	9,0	13,30	120,67	163,35
16	1,5	100	15	12,0	9,0	15,30	151,14	193,82


Materiali / Application: P3 - P4 - P5 / M2 - M3 - M4



**RIEPILOGO PREFORI DI MASCHIATURA METRICA FINE
E DIAMETRO MEDIO DEI MASCHI
SUMMARY OF TAPPING PRE-HOLES METRIC FINE AND TAP DIAMETERS**


Maschi a tagliare - Cutting taps

MF	passo pitch		Ø medio - medium Ø 6H	
			min	max
3	0,35	2,65	2,794	2,809
3,5	0,35	3,15	3,294	3,309
4	0,5	3,50	3,699	3,715
4,5	0,5	4,00	4,199	4,215
5	0,5	4,50	4,699	4,715
5,5	0,5	5,00	5,199	5,215
6	0,75	5,25	5,545	5,566
7	0,75	6,25	6,545	6,566
8	0,75	7,25	7,545	7,566
8	1	7,00	7,385	7,409
9	1	8,00	8,385	8,409
10	0,75	9,25	9,545	9,566
10	1	9,00	9,385	9,409
10	1,25	8,75	9,226	9,251
11	0,75	10,25	10,545	10,566
11	1	10,00	10,385	10,409
11	1,25	9,75	10,226	10,251
12	0,75	11,25	11,545	11,566
12	1	11,00	11,385	11,409
12	1,25	10,75	11,230	11,258
12	1,5	10,50	11,071	11,101
13	1	12,00	12,385	12,409
13	1,5	11,50	12,071	12,101
14	0,75	13,25	13,545	13,566
14	1	13,00	13,385	13,409
14	1,25	12,75	13,230	13,258
14	1,5	12,50	13,071	11,101
15	1	14,00	14,385	14,409
15	1,5	13,50	14,071	14,101
16	1	15,00	15,385	15,409
16	1,25	14,75	15,230	15,258
16	1,5	14,50	15,071	15,101
17	1	16,00	16,385	16,409
17	1,5	15,50	16,071	16,101
18	1	17,00	17,385	17,409
18	1,25	16,75	17,230	17,258
18	1,5	16,50	17,071	17,101
18	2	16,00	16,752	16,786
19	1	18,00	18,385	18,409
19	1,5	17,50	18,071	18,101
20	1	19,00	19,385	19,409
20	1,25	18,75	19,230	19,258
20	1,5	18,50	19,071	19,101
20	2	18,00	18,752	18,786
21	1	20,00	20,385	20,409
21	1,5	19,50	20,071	20,101
22	1	21,00	21,385	21,409
22	1,25	20,75	21,230	21,258
22	1,5	20,50	21,071	21,101
22	2	20,00	20,752	20,786
24	1	23,00	23,388	23,414
24	1,5	22,50	23,074	23,106
24	2	22,00	22,755	22,791
25	1	24,00	24,388	24,414

MF	passo pitch		Ø medio - medium Ø 6H	
			min	max
25	1,5	23,50	24,074	24,106
25	2	23,00	23,755	23,791
26	1,5	24,50	25,074	25,106
27	1	26,00	26,388	26,414
27	1,5	25,50	26,074	26,106
27	2	25,00	25,755	25,791
28	1,5	26,50	27,074	27,106
28	2	26,00	26,755	26,791
30	1	29,00	29,388	29,414
30	1,5	28,50	29,074	29,106
30	2	28,00	28,755	28,791
30	3	27,00	28,115	28,157
32	1,5	30,50	31,074	31,106
32	2	30,00	30,755	30,791
33	1,5	31,50	32,074	32,106
33	2	31,00	31,755	31,791
33	3	30,00	31,115	31,157
35	1,5	33,50	34,074	34,106
36	1,5	34,50	35,074	35,106
36	2	34,00	34,755	34,791
36	3	33,00	34,115	34,157
39	1,5	37,50	38,074	38,106
39	2	37,00	37,755	37,791
39	3	36,00	37,115	37,157
40	1,5	38,50	39,074	39,106
40	2	38,00	38,755	38,791
40	3	37,00	38,115	38,157
42	1,5	40,50	41,074	41,106
42	2	40,00	40,755	40,791
42	3	39,00	40,115	40,157
42	4	38,00	39,473	39,520
45	1,5	43,50	44,074	44,106
45	2	43,00	43,755	43,791
45	3	42,00	43,115	43,157
45	4	41,00	42,473	42,520
48	1,5	46,50	47,077	47,111
48	2	46,00	46,758	46,796
48	3	45,00	46,118	46,163
48	4	44,00	45,477	45,527
50	1,5	48,50	49,077	49,111
50	2	48,00	48,758	48,796
50	3	47,00	48,118	48,163
52	1,5	50,50	51,077	51,111
52	2	50,00	50,758	50,796
52	3	49,00	50,118	50,163
52	4	48,00	52,477	52,527
55	1,5	53,50	54,077	54,111
55	2	53,00	53,758	53,796
55	3	52,00	53,118	53,163
55	4	51,00	52,477	52,527
56	1,5	54,50	55,077	55,111
56	2	54,00	54,758	54,796
56	3	53,00	54,118	54,163
56	4	52,00	53,477	53,527

RIEPILOGO PREFORI DI MASCHIATURA METRICA FINE
SUMMARY OF TAPPING PRE-HOLES METRIC FINE

Maschi a rullare - Cold forming taps

M	Passo		Tolleranza
	<i>Pitch</i>		<i>Tolerance</i>
4	0,5	3,80	± 0,03
5	0,5	4,80	± 0,03
6	0,5	5,80	± 0,03
6	0,75	5,65	± 0,03
8	1	7,55	± 0,05
10	1	9,55	± 0,05
10	1,25	9,40	± 0,05
12	1	11,55	± 0,05
12	1,25	11,40	± 0,05
12	1,5	11,30	± 0,05
14	1	13,55	± 0,05
14	1,25	13,40	± 0,05
14	1,5	13,30	± 0,05
16	1	15,55	± 0,05
16	1,25	15,40	± 0,05
16	1,5	15,30	± 0,05
18	1	17,55	± 0,05
18	1,25	17,40	± 0,05
18	1,5	17,30	± 0,05
20	1	19,55	± 0,05
20	1,25	19,40	± 0,05
20	1,5	19,30	± 0,05
20	2	19,10	± 0,05
22	1	21,55	± 0,05
22	1,25	21,40	± 0,05
22	1,5	21,30	± 0,05
22	2	21,10	± 0,05
24	1	23,55	± 0,05
24	1,25	23,40	± 0,05
24	1,5	23,30	± 0,05
24	2	23,10	± 0,05
26	1,5	25,30	± 0,05
26	2	25,10	± 0,05
27	1,5	26,30	± 0,05
27	2	26,10	± 0,05
28	1,5	27,30	± 0,05
28	2	27,10	± 0,05
30	1,5	29,30	± 0,05
30	2	29,10	± 0,05

**NOVITÀ 2024
NEW 2024**

**TAMPONI P/NP A RICHIESTA
PLUG GO/NO GO ON DEMAND**



Filettature / Threads	Tolleranza / Tolerance
M / MJ	6H / 6H LH / 6G / 4H-5H / 6E
EG-M	6H
MF	6H / 6G
BSW	classe media / medium class
G	ISO 228-2
Rc / Rp	ISO 7 / DIN2999
UNC - UNJC	2B / 3B
EG-UNC	2B
UNF / UNJF	2B / 3B
EG-UNF	2B
NPT	L1
NPTF	C 1:16
Pg	-
Tr	7H

**ANELLO P/NP A RICHIESTA
RING GO/NO GO ON DEMAND**



Filettature / Threads	Tolleranza / Tolerance
M	6g / 6g LH / 6e
MF	6g
BSW	classe media / medium class
G	ISO 228-2
R / Rc / Rp	ISO 7 / DIN2999
UNC	2A / 3A
UNF	2A / 3A
NPT	L1
NPTF	C 1:16
Pg	-
Tr	7e



UNC

Filettatura ASME B1.1 a passo grosso UNC - 2B
ASME B1.1 Unified Coarse Thread UNC - 2B

MASCHI A MANO in serie di 3 pezzi HSS M2
Filettatura ASME B1.1 a passo grosso UNC - 2B

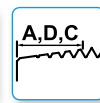
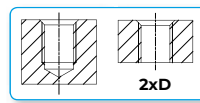
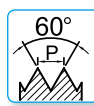


HAND TAPS set of 3 HSS M2
ASME B1.1 Unified Coarse Thread UNC - 2B

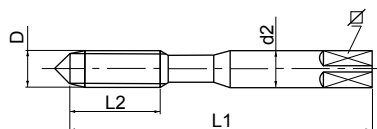
HSS



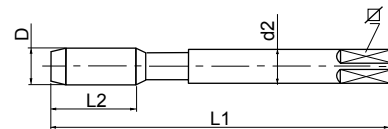
1465



DIN 352 ≤ 1/4



DIN 352 ≥ 5/16



D	filetti x 1" TPI	DIN 352					1465		1465.1
		L ₁	L ₂	d ₂	□		serie / set	finitore / 3 rd	serie / set Filettatura SINISTRA LEFT Hand
n. 4	40	40	11	3,5	2,7	2,30	42,64	-	-
n. 5	40	40	11	3,5	2,7	2,60	38,96	-	-
n. 6	32	45	10	4,0	3,0	2,85	41,29	19,25	*
n. 8	32	45	11	4,5	3,4	3,50	41,29	17,60	*
n.10	24	50	13	6,0	4,9	3,90	41,29	18,59	*
n.12	24	56	15	6,0	4,9	4,50	41,38	18,59	*
1/4	20	56	16	6,0	4,9	5,10	44,71	18,59	*
5/16	18	63	19	6,0	4,9	6,60	62,07	23,79	*
3/8	16	70	22	7,0	5,5	8,00	73,68	28,24	*
7/16	14	70	22	8,0	6,2	9,40	99,58	38,17	*
1/2	13	75	28	9,0	7,0	10,75	116,94	44,83	*
9/16	12	80	30	11,0	9,0	12,20	140,88	54,00	*
5/8	11	80	30	12,0	9,0	13,50	196,74	75,42	*
3/4	10	95	34	14,0	11,0	16,50	253,68	97,24	*
7/8	9	100	34	18,0	14,5	19,50	323,84	124,14	*
1"	8	110	38	20,0	16,0	22,25	442,58	169,66	*
1 1/8"	7	125	45	22,0	18,0	25,00	555,93	213,11	-
1 1/4"	7	125	45	22,0	18,0	28,00	666,57	255,52	-
1 3/8"	6	150	55	28,0	22,0	30,75	1286,63	-	-
1 1/2"	6	150	55	28,0	22	34,00	1675,86	-	-
1 3/4"	5	160	60	36,0	29	39,50	*	-	-
2"	4,5	180	65	40,0	32,0	45,00	*	-	-

*Prezzo e disponibilità a richiesta / Price and delivery time on demand

Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE - Imbocco "C"
 Filettatura ASME B1.1 a passo grosso UNC - 2B

MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES - Chamfer form "C"
 ASME B1.1 Unified Coarse Thread UNC - 2B

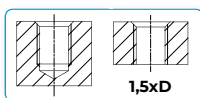
 HSSE



4563.0

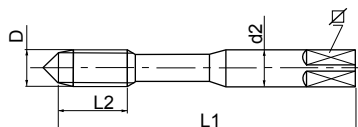


Rm
850
 max

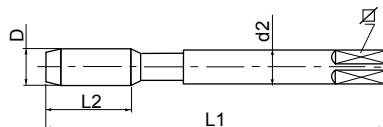



C
 2 - 3

DIN 371 D ≤ 1/4 UNC



DIN 376 D ≥ 5/16 UNC



DIN 371 / DIN 376							4563.0
D	filetti x 1" TPI	L ₁	L ₂	d ₂	□		
n. 6	32	56	11	4,0	3,0	2,85	23,43
n. 8	32	63	13	4,5	3,4	3,50	23,43
n. 10	24	70	13	6,0	4,9	3,90	23,43
n. 12	24	80	16	6,0	4,9	4,50	23,43
1/4	20	80	16	7,0	5,5	5,10	23,43
5/16	18	90	18	6,0	4,9	6,60	28,16
3/8	16	100	20	7,0	5,5	8,00	31,24
7/16	14	100	20	8,0	6,2	9,40	33,88
1/2	13	110	25	9,0	7,0	10,80	40,48
9/16	12	110	28	11,0	9,0	12,20	52,03
5/8	11	110	28	12,0	9,0	13,50	55,55
3/4	10	125	32	14,0	11,0	16,50	72,16
7/8	9	140	32	18,0	14,5	19,50	85,47
1"	8	160	36	18,0	14,5	22,25	130,57

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE - Imbocco "C" - **per GHISA**
 Filettatura ASME B1.1 a passo grosso UNC - **2BX**

Rivestimento TICN

MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES - Chamfer form "C" - **for CAST IRON**
 ASME B1.1 Unified Coarse Thread UNC - **2BX**

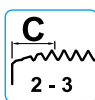
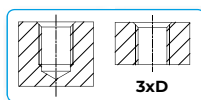
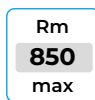
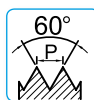
TICN coated



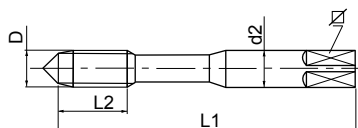
 HSSE



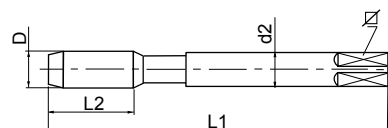
4563.2




DIN 371 D ≤ 1/4 UNC



DIN 376 D ≥ 5/16 UNC



DIN 371 / DIN 376							4563.2
D	filetti x 1" TPI	L ₁	L ₂	d ₂	∅		TICN
n. 6	32	56	11	4,0	3,0	2,85	32,56
n. 8	32	63	13	4,5	3,4	3,50	32,56
n. 10	24	70	13	6,0	4,9	3,90	32,56
1/4	20	80	16	7,0	5,5	5,10	32,56
5/16	18	90	18	6,0	4,9	6,60	42,46
3/8	16	100	20	7,0	5,5	8,00	44,55
7/16	14	100	20	8,0	6,2	9,40	53,68
1/2	13	110	25	9,0	7,0	10,80	66,00
5/8	11	110	28	12,0	9,0	13,50	80,08
3/4	10	125	32	14,0	11,0	16,50	107,91
1"	8	160	36	18,0	14,5	22,25	185,46

Materiali / Application: K1 - K2 - K3 - K4 / N4 - N5 / N7 / N11

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

Filettatura ASME B1.1 a passo grosso UNC - 2B

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ASME B1.1 Unified Coarse Thread UNC - 2B

 HSSE



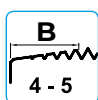
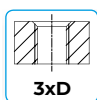
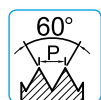
4563.1



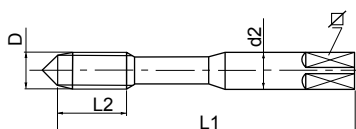
4563.V1



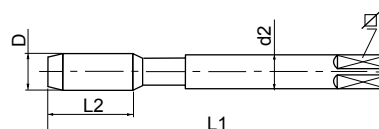
4563.T1




DIN 371 D ≤ 1/4 UNC



DIN 376 D ≥ 5/16 UNC



D	filetti x 1" TPI	DIN 371 / DIN 376					4563.1	4563.V1	4563.T1
		L ₁	L ₂	d ₂	□		nudi / naked	ST	TIN
n. 4	40	56	5	3,5	2,7	2,35	28,16	33,77	36,96
n. 5	40	56	5	3,5	2,7	2,65	28,16	33,77	36,96
n. 6	32	56	11	4,0	3,0	2,85	24,64	28,60	33,77
n. 8	32	63	13	4,5	3,4	3,50	24,64	28,60	33,77
n. 10	24	70	13	6,0	4,9	3,90	24,64	28,60	33,77
n. 12	24	80	16	6,0	4,9	4,50	24,64	28,60	33,77
1/4	20	80	16	7,0	5,5	5,10	24,09	28,60	33,77
5/16	18	90	18	6,0	4,9	6,60	29,26	33,77	42,13
3/8	16	100	20	7,0	5,5	8,00	32,34	36,74	46,75
7/16	14	100	20	8,0	6,2	9,40	34,87	41,03	52,91
1/2	13	110	25	9,0	7,0	10,80	43,67	48,40	65,23
9/16	12	110	28	11,0	9,0	12,20	55,00	59,18	73,81
5/8	11	110	28	12,0	9,0	13,50	58,08	65,01	80,52
3/4	10	125	32	14,0	11,0	16,50	77,88	86,35	110,22
7/8	9	140	32	18,0	14,5	19,50	91,96	101,75	128,59
1"	8	160	36	18,0	14,5	22,25	143,77	151,80	188,54
1 1/8	7	180	22	22,0	18,0	25,00	186,01	-	-
1 1/4	7	180	22	22,0	18,0	28,00	244,64	-	-
1 3/8	6	200	28	28,0	22,0	30,75	325,38	-	-
1 1/2	6	200	28	28,0	22,0	34,00	379,94	-	-

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

Filettatura ASME B1.1 a passo grosso UNC - **2BX**

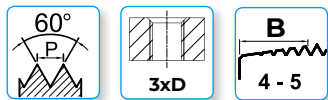
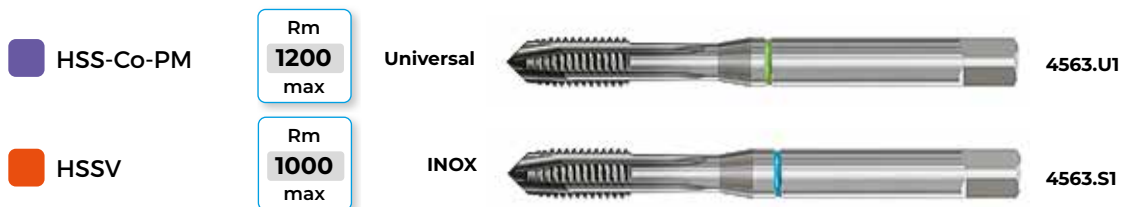
Universali - per INOX

MACHINE TAPS

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

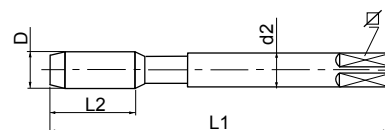
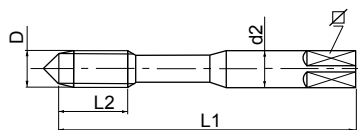
ASME B1.1 Unified Coarse Thread UNC - **2BX**

Universal use - for STAINLESS STEEL



DIN 371 D ≤ 3/8 UNC

DIN 376 D ≥ 7/16 UNC



D	filetti x 1" TPI	DIN 371 / DIN 376					4563.U1	4563.S1
		L ₁	L ₂	d ₂	□	⌘	ASP30 + TX	HSSV + HPC
n. 4	40	56	5	3,5	2,7	2,35	39,93	-
n. 5	40	56	5	3,5	2,7	2,65	39,93	-
n. 6	32	56	11	4,0	3,0	2,85	39,93	32,89
n. 8	32	63	13	4,5	3,4	3,50	39,93	32,89
n. 10	24	70	13	6,0	4,9	3,90	39,93	32,89
1/4	20	80	16	7,0	5,5	5,10	39,93	40,15
5/16	18	90	18	8,0	6,2	6,60	50,93	43,12
3/8	16	100	20	10,0	8,0	8,00	58,85	46,75
7/16	14	100	20	8,0	6,2	9,40	68,75	58,74
1/2	13	110	25	9,0	7,0	10,80	80,52	68,75
9/16	12	110	28	11,0	9,0	12,20	99,88	80,63
5/8	11	110	28	12,0	9,0	13,50	109,23	89,76
3/4	10	125	32	14,0	11,0	16,50	153,56	116,82
7/8	9	140	32	18,0	14,5	19,50	176,66	145,75
1"	8	160	36	18,0	14,5	22,25	253,00	198,77

Materiali / Application: **4563.U1:** P1 - P2 - P3 - P4 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7
4563.S1: P3 - P4 - P5 / M1 - M2 - M3 - M4

MASCHI A MACCHINA HSS-Co-PM

SCANALATURE ELICOIDALI - **ELICA SINISTRA 15° - TAGLIO DESTRO** - Imbocco "D"

Filettatura ASME B1.1 a passo grosso UNC - **2BX**

Rivestimento TiCN per TITANIO e leghe

MACHINE TAPS HSS-Co-PM

SPIRAL FLUTES - LEFT HELIX 15° - RIGHT CUT - Chamfer form "D"

ASME B1.1 Unified Coarse Thread UNC - **2BX**

TiCN coated for TITANIUM and alloys



HSS-Co-PM

2BX



4563.XT1

3B



4563.XJT1

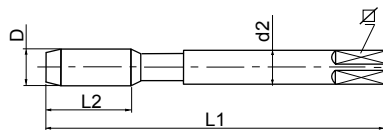
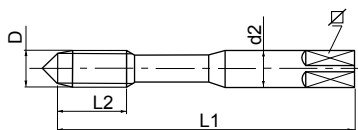


CRESTE ARROTONDATE
WITH ROUNDED CREST



DIN 371 D ≤ 3/8 UNC

DIN 376 D ≥ 7/16 UNC



D	filetti x 1" TPI	DIN 371 / DIN 376					4563.XT1	4563.XJT1
		L ₁	L ₂	d ₂	∠		2BX	Filettatura UNJC - 3B
n. 6	32	56	11	4,0	3,0	2,85	39,60	44,88
n. 8	32	63	13	4,5	3,4	3,50	39,60	44,88
n. 10	24	70	13	6,0	4,9	3,90	39,60	44,88
1/4	20	80	16	7,0	5,5	5,10	40,04	48,51
5/16	18	90	18	8,0	6,2	6,60	49,83	-
3/8	16	100	20	10,0	8,0	8,00	52,03	-
7/16	14	100	20	8,0	6,2	9,40	60,50	-
1/2	13	110	25	9,0	7,0	10,80	68,86	-

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N8 - N9 / S2 -S3 / S5

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura ASME B1.1 a passo grosso UNC - 2B

MACHINE TAPS **HSSE M35 5%Co**

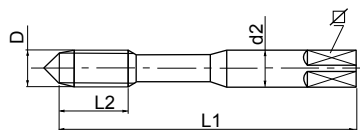
SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ASME B1.1 Unified Coarse Thread UNC - 2B

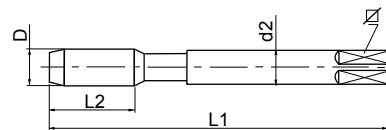
 HSSE



DIN 371 D ≤ 1/4 UNC



DIN 376 D ≥ 5/16 UNC



DIN 371 / DIN 376							4564.1	4564.T1
D	filetti x 1" TPI	L ₁	L ₂	d ₂			nudi / naked	TIN
n. 6	32	56	11	4,0	3,0	2,85	24,64	33,88
n. 8	32	63	13	4,5	3,4	3,50	24,64	33,88
n. 10	24	70	13	6,0	4,9	3,90	23,43	32,78
n. 12	24	80	16	6,0	4,9	4,50	23,43	32,78
1/4	20	80	16	7,0	5,5	5,10	22,99	32,78
5/16	18	90	18	8,0	6,2	6,60	28,38	39,27
3/8	16	100	20	10,0	8,0	8,00	31,24	43,34
7/16	14	100	20	8,0	6,2	9,40	33,33	52,03
1/2	13	110	25	9,0	7,0	10,80	42,35	59,07
9/16	12	110	28	11,0	9,0	12,20	52,25	72,82
5/8	11	110	28	12,0	9,0	13,50	57,97	79,75
3/4	10	125	32	14,0	11,0	16,50	75,79	109,89
7/8	9	140	32	18,0	14,5	19,50	89,76	129,36
1"	8	160	36	18,0	14,5	22,25	137,17	178,75

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA HSS-Co-PM

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura ASME B1.1 a passo grosso UNC

Rivestimento TICN per TITANIO e leghe

MACHINE TAPS HSS-Co-PM

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ASME B1.1 Unified Coarse Thread UNC

TICN coated for TITANIUM and alloys



HSS-Co-PM

2BX **4564.XT1**

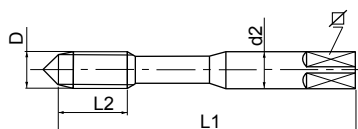
3B **4564.XJT1**



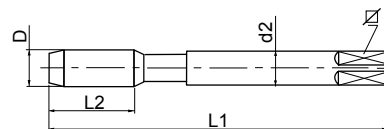
CRESTE ARROTONDATE
WITH ROUNDED CREST



DIN 371 D ≤ 1/4 UNC



DIN 376 D ≥ 5/16 UNC



D	filetti x 1" TPI	DIN 371 / DIN 376					4564.XT1	4564.XJT1
		L ₁	L ₂	d ₂	□		2BX	Filettatura UNJC - 3B
n. 6	32	56	11	4,0	3,0	2,85	40,15	42,90
n. 8	32	63	13	4,5	3,4	3,50	40,37	42,90
n. 10	24	70	13	6,0	4,9	3,90	40,15	42,90
1/4	20	80	16	7,0	5,5	5,10	40,15	48,40
5/16	18	90	18	8,0	6,2	6,60	48,73	-
3/8	16	100	20	10,0	8,0	8,00	52,14	-
7/16	14	100	20	8,0	6,2	9,40	60,72	-
1/2	13	110	25	9,0	7,0	10,80	66,55	-
5/8	11	110	28	12,0	9,0	13,50	92,73	-
3/4	10	125	32	14,0	11,0	16,50	122,65	-

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N6 - N7 / S2 - S3 / S5

N.B.: ≥ 5/16 centro femmina / ≥ 5/16 female center

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

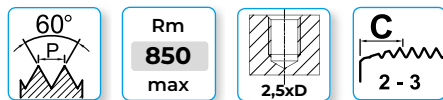
Filettatura ASME B1.1 a passo grosso UNC - 2B

MACHINE TAPS **HSSE M35 5%Co**

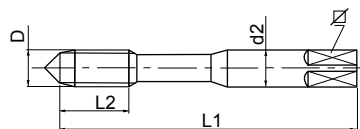
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ASME B1.1 Unified Coarse Thread UNC - 2B

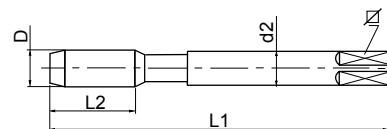
 HSSE




DIN 371 D ≤ 1/4 UNC



DIN 376 D ≥ 5/16 UNC



DIN 371 / DIN 376							4564.3	4564.V3	4564.T3
D	filetti x 1" TPI	L ₁	L ₂	d ₂	□		nudi / naked	ST	TIN
n. 4	40	56	5	3,5	2,7	2,35	28,05	33,66	36,85
n. 5	40	56	5	3,5	2,7	2,65	28,05	33,66	36,85
n. 6	32	56	7	4,0	3,0	2,85	24,97	28,71	33,77
n. 8	32	63	7	4,5	3,4	3,50	24,97	28,71	33,77
n. 10	24	70	8	6,0	4,9	3,90	24,97	28,05	34,54
n. 12	24	80	10	6,0	4,9	4,50	24,97	28,05	34,10
1/4	20	80	10	7,0	5,5	5,10	24,97	28,05	33,11
5/16	18	90	13	8,0	6,2	6,60	30,25	34,43	43,12
3/8	16	100	15	10,0	8,0	8,00	33,55	37,95	48,07
7/16	14	100	15	8,0	6,2	9,40	37,40	42,13	53,90
1/2	13	110	18	9,0	7,0	10,80	46,31	51,70	63,36
9/16	12	110	20	11,0	9,0	12,20	57,75	63,80	79,20
5/8	11	110	20	12,0	9,0	13,50	60,28	70,29	81,73
3/4	10	125	25	14,0	11,0	16,50	82,28	91,85	111,21
7/8	9	140	25	18,0	14,5	19,50	96,47	106,15	136,07
1"	8	160	30	18,0	14,5	22,25	141,24	153,67	196,13
1 1/8	7	180	35	22,0	18,0	25,00	197,45	-	-
1 1/4	7	180	35	22,0	18,0	28,00	248,38	-	-
1 3/8	6	200	40	28,0	22,0	30,75	328,57	-	-
1 1/2	6	200	40	28,0	22,0	34,00	385,00	-	-

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA

SCANALATURE ELICOIDALI - **ELICA DESTRA 45° / 48°** - Imbocco "C"

Filettatura ASME B1.1 a passo grosso UNC - **2BX**

MASCHIATURA RIGIDA SINCRONIZZATA

Universali - per INOX

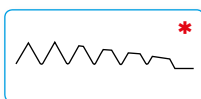
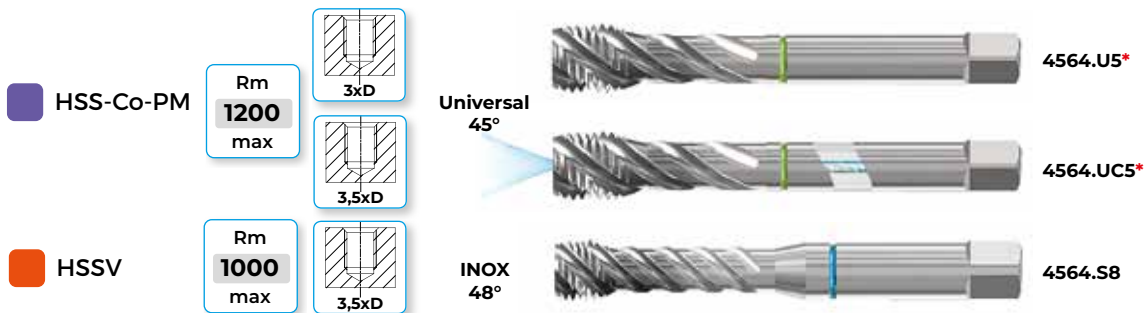
MACHINE TAPS

SPIRAL FLUTES - **RIGHT HELIX 45° / 48°** - Chamfer form "C"

ASME B1.1 Unified Coarse Thread UNC - **2BX**

RIGID TAPPING SYNCHRO

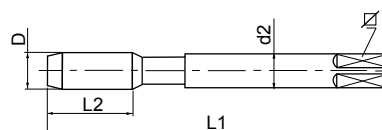
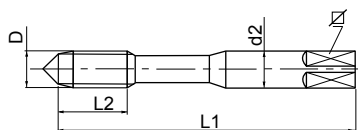
Universal use - for STAINLESS STEEL



* Solo Universali
Only Universal Use

DIN 371 D ≤ 3/8 UNC

DIN 376 D ≥ 7/16 UNC



D	filetti x 1" TPI	DIN 371 / DIN 376					4564.U5	4564.UC5	4564.S8
		L ₁	L ₂	d ₂	∅		ASP30 + TX	ASP30 + TX	HSSV + HPC
n. 4	40	56	5	3,5	2,7	2,35	42,46	-	-
n. 5	40	56	5	3,5	2,7	2,65	42,46	-	-
n. 6	32	56	7	4,0	3,0	2,85	42,46	-	40,92
n. 8	32	63	7	4,5	3,4	3,50	42,46	-	40,92
n. 10	24	70	8	6,0	4,9	3,90	42,46	-	41,58
1/4	20	80	10	7,0	5,5	5,10	46,31	75,57	41,58
5/16	18	90	13	8,0	6,2	6,60	53,68	80,08	54,78
3/8	16	100	15	10,0	8,0	8,00	59,73	94,82	44,00
7/16	14	100	15	8,0	6,2	9,40	69,30	112,09	65,89
1/2	13	110	18	9,0	7,0	10,80	85,25	124,30	75,02
9/16	12	110	20	11,0	9,0	12,20	104,94	147,62	87,56
5/8	11	110	20	12,0	9,0	13,50	110,55	150,26	97,57
3/4	10	125	25	14,0	11,0	16,50	160,05	207,35	134,20
7/8	9	140	25	18,0	14,5	19,50	185,02	232,43	158,18
1"	8	160	30	18,0	14,5	22,25	261,91	317,90	209,77

Materiali / Application: **4564.U5:** P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7
4564.UC5: P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7
4564.S8: P3 - P4 - P5 / M1 - M2 - M3 - M4

UNC

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE **HSS-Co-8%**

Filettatura ASME B1.1 a passo grosso **UNC - 2BX**

Con canalini laterali di lubrificazione - Imbocco "C"

Rivestimento TiN

COLD FORMING MACHINE TAPS HSS-Co-8%

ASME B1.1 Unified Coarse Thread **UNC - 2BX**

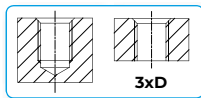
With lateral lubrication little flutes - Chamfer form "C"

TiN coated

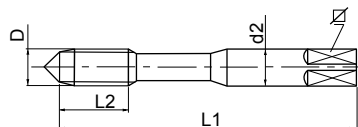
 HSS-Co-8%



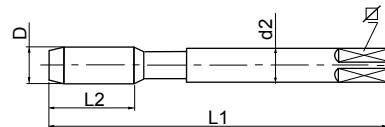
4567.T




DIN 371 D ≤ 3/8 UNC



DIN 376 D ≥ 7/16 UNC




DIN 371 / DIN 376							4567.T
D	filetti x 1" TPI	L ₁	L ₂	d ₂	□		TIN
n. 6	32	56	11	4,0	3,0	3,15	48,84
n. 8	32	63	13	4,5	3,4	3,80	46,97
n. 10	24	70	13	6,0	4,9	4,30	46,97
n. 12	24	80	16	6,0	4,9	5,00	46,97
1/4	20	80	16	7,0	5,5	5,75	45,76
5/16	18	90	18	8,0	6,2	7,25	52,03
3/8	16	100	20	10,0	8,0	8,75	64,13
7/16	14	100	20	8,0	6,2	10,30	78,43
1/2	13	110	25	9,0	7,0	11,80	81,40
9/16	12	110	28	11,0	9,0	13,30	108,24
5/8	11	110	28	12,0	9,0	14,80	123,20
3/4	10	125	32	14,0	11,0	17,9	154,55


Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / N1 - N2 - N3 / N6 - N7

RIEPILOGO PREFORI DI MASCHIATURA UNC E DIAMETRO MEDIO DEI MASCHI SUMMARY OF TAPPING PRE-HOLES UNC AND TAP DIAMETERS

Maschi a tagliare - Cutting taps

UNC	filetti x 1"		Ø esterno nominale	Ø medio - medium Ø 6H	
	TPI		nominal external Ø	min	max
Nr. 1	64	1,55	1,854	1,611	1,626
Nr. 2	56	1,85	2,184	1,904	1,919
Nr. 3	48	2,10	2,515	2,186	2,201
Nr. 4	40	2,35	2,845	2,447	2,462
Nr. 5	40	2,65	3,175	2,777	2,792
Nr. 6	32	2,85	3,505	3,009	3,029
Nr. 8	32	3,50	4,166	3,670	3,690
Nr. 10	24	3,90	4,826	4,158	4,178
Nr. 12	24	4,50	5,486	4,818	4,838
1/4	20	5,10	6,350	5,570	5,590
5/16	18	6,60	7,938	7,060	7,086
3/8	16	8,00	9,525	8,538	8,558
7/16	14	9,40	11,112	9,979	9,999
1/2	13	10,75	12,700	11,475	11,495
9/16	12	12,20	14,288	12,957	12,977
5/8	11	13,50	15,875	14,425	14,445
3/4	10	16,50	19,050	17,450	17,470
7/8	9	19,50	22,225	20,452	20,472
1"	8	22,25	25,400	23,397	23,417
1"1/8	7	25,00	28,575	26,292	26,317
1"1/4	7	28,00	31,750	29,467	29,492
1"3/8	6	30,75	34,925	32,249	32,274
1"1/2	6	34,00	38,100	35,424	35,449
1"3/4	5	39,50	44,450	41,240	41,270
2"	5	45,00	50,800	47,223	47,253
2"1/4	5			53,583	53,603
2"1/2	4			59,475	59,495
2"3/4	4			65,826	65,846
3"	4			72,176	72,196

Maschi a rullare - Cold forming taps

UNC	filetti x 1"		Tolleranza
	TPI		Tolerance
Nr. 6	32	3,15	± 0,03
Nr. 8	32	3,80	± 0,03
Nr. 10	24	4,30	± 0,05
Nr. 12	24	5,00	± 0,05
1/4	20	5,75	± 0,05
5/16	18	7,25	± 0,05
3/8	16	8,75	± 0,05
7/16	14	10,30	± 0,05
1/2	13	11,80	± 0,05
9/16	12	13,30	± 0,05
5/8	11	14,80	± 0,05
3/4	10	17,90	± 0,05
7/8	9	21,00	± 0,05
1"	8	24,00	± 0,05

giri/min RPM		Velocità / Speed m/min																	
		2	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60
Diametro maschio / Tap diameter	1	637	1274	1911	2548	3185	3822	4459	5096	5732	6369	7962	9554	11146	12739	14331	15924	17516	19108
	2	318	637	955	1274	1592	1911	2229	2548	2866	3185	3981	4777	5573	6369	7166	7962	8758	9554
	3	212	425	637	849	1062	1274	1486	1699	1911	2123	2654	3185	3715	4246	4777	5308	5839	6369
	4	159	318	478	637	796	955	1115	1274	1433	1592	1990	2389	2787	3185	3583	3981	4379	4777
	5	127	255	382	510	637	764	892	1019	1146	1274	1592	1911	2229	2548	2866	3185	3503	3822
	6	106	212	318	425	531	637	743	849	955	1062	1327	1592	1858	2123	2389	2654	2919	3185
	7	91	182	273	364	455	546	637	728	819	910	1137	1365	1592	1820	2047	2275	2502	2730
	8	80	159	239	318	398	478	557	637	717	796	995	1194	1393	1592	1791	1990	2189	2389
	9	71	142	212	283	354	425	495	566	637	708	885	1062	1238	1415	1592	1769	1946	2123
	10	64	127	191	255	318	382	446	510	573	637	796	955	1115	1274	1433	1592	1752	1911
	11	58	116	174	232	290	347	405	463	521	579	724	869	1013	1158	1303	1448	1592	1737
	12	53	106	159	212	265	318	372	425	478	531	663	796	929	1062	1194	1327	1460	1592
	14	45	91	136	182	227	273	318	364	409	455	569	682	796	910	1024	1137	1251	1365
	16	40	80	119	159	199	239	279	318	358	398	498	597	697	796	896	995	1095	1194
	18	35	71	106	142	177	212	248	283	318	354	442	531	619	708	796	885	973	1062
	20	32	64	96	127	159	191	223	255	287	318	398	478	557	637	717	796	876	955
	22	29	58	87	116	145	174	203	232	261	290	362	434	507	579	651	724	796	869
	24	27	53	80	106	133	159	186	212	239	265	332	398	464	531	597	663	730	796
	27	24	47	71	94	118	142	165	189	212	236	295	354	413	472	531	590	649	708
	30	21	42	64	85	106	127	149	170	191	212	265	318	372	425	478	531	584	637
33	19	39	58	77	97	116	135	154	174	193	241	290	338	386	434	483	531	579	
36	18	35	53	71	88	106	124	142	159	177	221	265	310	354	398	442	487	531	
39	16	33	49	65	82	98	114	131	147	163	204	245	286	327	367	408	449	490	
42	15	30	45	61	76	91	106	121	136	152	190	227	265	303	341	379	417	455	
45	14	28	42	57	71	85	99	113	127	142	177	212	248	283	318	354	389	425	
48	13	27	40	53	66	80	93	106	119	133	166	199	232	265	299	332	365	398	
52	12	24	37	49	61	73	86	98	110	122	153	184	214	245	276	306	337	367	
56	11	23	34	45	57	68	80	91	102	114	142	171	199	227	256	284	313	341	
60	11	21	32	42	53	64	74	85	96	106	133	159	186	212	239	265	292	318	
64	10	20	30	40	50	60	70	80	90	100	124	149	174	199	224	249	274	299	

Numero di giri
Number of revolutions

$$n = \frac{V_c \times 1000}{\pi \times \phi}$$

Velocità di taglio
Cutting Speed

$$V_c = \frac{n \times \pi \times \phi}{1000}$$



UNF

Filettatura ASME B1.1 a passo fine UNF - 2B
ASME B1.1 Unified Fine Thread UNF - 2B

MASCHI A MANO - HAND TAPS

MASCHI A MANO in serie di 2 pezzi HSS M2
Filettatura ASME B1.1 a passo fine UNF - 2B

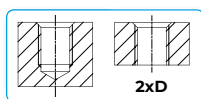


HAND TAPS set of 2 HSS M2
ASME B1.1 Unified Fine Thread UNF - 2B

HSS

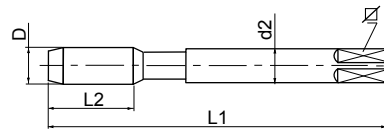
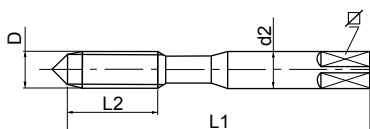


1475



DIN 2181 ≤ 1/4

DIN 2181 ≥ 5/16



DIN 2181							1475	1475.1	
D	filetti x 1" TPI	L ₁	L ₂	d ₂	∠		serie / set	finitore / 2 nd	serie / set <i>Filettatura SINISTRA LEFT Hand</i>
n. 4	48	40	11	3,5	2,7	2,40	35,68	-	-
n. 5	44	40	11	3,5	2,7	2,70	35,68	-	-
n. 6	40	45	10	4,0	3,0	2,95	31,31	21,23	-
n. 8	36	45	11	4,5	3,4	3,50	28,61	19,36	-
n.10	32	50	13	6,0	4,9	4,10	30,41	20,57	*
n.12	28	56	15	6,0	4,9	4,60	30,41	20,57	-
1/4	28	56	15	6,0	4,9	5,50	30,41	20,57	*
5/16	24	63	19	6,0	4,9	6,90	29,78	22,22	*
3/8	24	63	19	7,0	5,5	8,50	32,83	26,07	*
7/16	20	70	22	8,0	6,2	9,90	45,52	30,80	*
1/2	20	70	22	9,0	7,0	11,50	53,97	36,52	*
9/16	18	70	22	11,0	9,0	12,90	73,05	49,39	*
5/8	18	70	22	12,0	9,0	14,50	85,73	58,08	*
3/4	16	80	22	14,0	11,0	17,50	103,28	69,96	*
7/8	14	80	22	18,0	14,5	20,40	144,29	97,68	*
1"	12	90	22	18,0	14,5	23,25	186,04	125,95	*
1 1/8	12	90	22	22,0	18,0	26,50	*	-	-
1 1/4	12	90	22	22,0	18,0	29,50	*	-	-
1 3/8	12	125	30	28,0	22,0	32,75	*	-	-
1 1/2	12	125	30	28,0	22,0	36,00	*	-	-

*Prezzo e disponibilità a richiesta / Price and delivery time on demand

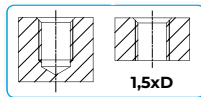
Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

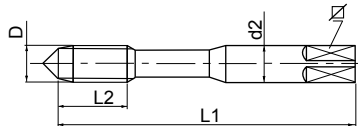
MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE - Imbocco "C"
 Filettatura ASME B1.1 a passo fine UNF - 2B

MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES - Chamfer form "C"
 ASME B1.1 Unified Fine Thread UNF - 2B

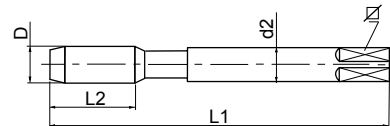
 HSSE




DIN 371 D ≤ 1/4 UNF



DIN 374 D ≥ 5/16 UNF



DIN 371 / DIN 374							4573.0
D	filetti x 1" TPI	L ₁	L ₂	d ₂	□		
n. 6	40	56	11	4,0	3,0	2,95	25,74
n. 8	36	63	13	4,5	3,4	3,50	25,74
n. 10	32	70	13	6,0	4,9	4,10	25,74
n. 12	28	80	16	6,0	4,9	4,60	25,74
1/4	28	80	16	7,0	5,5	5,50	25,74
5/16	24	90	18	6,0	4,9	6,90	32,01
3/8	24	90	15	7,0	5,5	8,50	35,20
7/16	20	100	20	8,0	6,2	9,90	37,29
1/2	20	100	20	9,0	7,0	11,50	44,66
9/16	18	100	22	11,0	9,0	12,90	55,99
5/8	18	100	22	12,0	9,0	14,50	61,16
3/4	16	110	25	14,0	11,0	17,50	79,31
7/8	14	125	25	18,0	14,5	20,40	94,05
1"	12	140	28	18,0	14,5	23,25	143,77

Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

UNF

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE - Imbocco "C" - **per GHISA**
 Filettatura ASME B1.1 a passo fine UNF - **2BX**

Rivestimento TICN

MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES - Chamfer form "C" - **for CAST IRON**
 ASME B1.1 Unified Fine Thread UNF - **2BX**

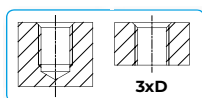
TICN coated



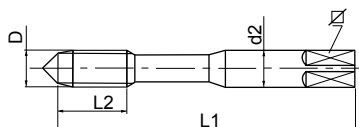
 HSSE



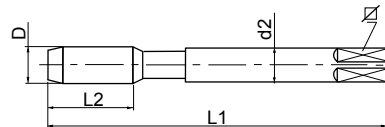
4573.2




DIN 371 D ≤ 1/4 UNF



DIN 374 D ≥ 5/16 UNF



DIN 371 / DIN 374							4573.2
D	filetti x 1" TPI	L ₁	L ₂	d ₂	□		TICN
n. 6	40	56	11	4,0	3,0	2,95	34,87
n. 8	36	63	13	4,5	3,4	3,50	34,87
n. 10	32	70	13	6,0	4,9	4,10	34,87
n. 12	28	80	16	6,0	4,9	4,60	34,87
1/4	28	80	16	7,0	5,5	5,50	34,10
5/16	24	90	18	6,0	4,9	6,90	46,31
3/8	24	90	15	7,0	5,5	8,50	51,26
7/16	20	100	20	8,0	6,2	9,90	58,30
1/2	20	100	20	9,0	7,0	11,50	66,00
9/16	18	100	22	11,0	9,0	12,90	80,41
5/8	18	100	22	12,0	9,0	14,50	86,57
3/4	16	110	25	14,0	11,0	17,50	113,41
7/8	14	125	25	18,0	14,5	20,40	139,15
1"	12	140	28	18,0	14,5	23,25	199,87

Materiali / Application: K1 - K2 - K3 - K4 / N4 - N5 / N7 / N11

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

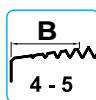
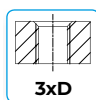
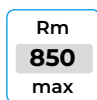
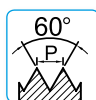
Filettatura ASME B1.1 a passo fine UNF - 2B

MACHINE TAPS **HSSE M35 5%Co**

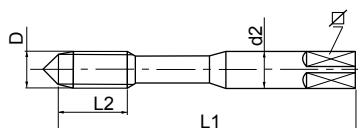
STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ASME B1.1 Unified Fine Thread UNF - 2B

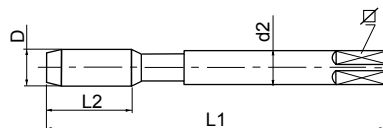
 HSSE





DIN 371 $D \leq 1/4$ UNF



DIN 374 $D \geq 5/16$ UNF



DIN 371 / DIN 374							4573.1	4573.V1	4573.T1
D	filetti x 1" TPI	L ₁	L ₂	d ₂			nudi / naked	ST	TIN
n. 6	40	56	11	4,0	3,0	2,95	25,85	28,93	34,65
n. 8	36	63	13	4,5	3,4	3,50	25,74	28,93	34,65
n. 10	32	70	13	6,0	4,9	4,10	25,85	28,93	34,65
n. 12	28	80	16	6,0	4,9	4,60	25,85	28,93	34,65
1/4	28	80	16	7,0	5,5	5,50	26,18	29,15	35,53
5/16	24	90	18	6,0	4,9	6,90	30,47	34,76	43,34
3/8	24	90	15	7,0	5,5	8,50	34,21	38,83	48,73
7/16	20	100	20	8,0	6,2	9,90	36,74	42,13	54,01
1/2	20	100	20	9,0	7,0	11,50	44,77	50,05	62,37
9/16	18	100	22	11,0	9,0	12,90	54,01	61,38	76,67
5/8	18	100	22	12,0	9,0	14,50	60,28	67,10	84,15
3/4	16	110	25	14,0	11,0	17,50	85,14	95,70	118,25
7/8	14	125	25	18,0	14,5	20,40	101,42	114,18	140,25
1"	12	140	28	18,0	14,5	23,25	151,14	170,50	199,10

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

Filettatura ASME B1.1 a passo fine UNF - **2BX**

Universali - per INOX





MACHINE TAPS

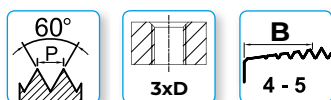
STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ASME B1.1 Unified Fine Thread UNF - **2BX**

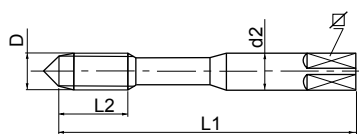
Universal use - for STAINLESS STEEL



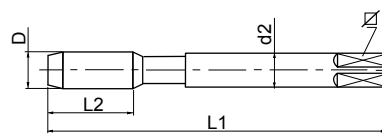
<p> HSS-Co-PM</p>	<p>Rm 1200 max</p>	Universal		4573.U1
<p> HSSV</p>	<p>Rm 1000 max</p>	INOX		4573.S1




DIN 371 D ≤ 1/4 UNF



DIN 374 D ≥ 5/16 UNF



D	filetti x 1" TPI	DIN 371 / DIN 374					4573.U1	4573.S1
		L ₁	L ₂	d ₂	∅		ASP30 + TX	HSSV + HPC
n. 6	40	56	11	4,0	3,0	2,95	44,44	34,10
n. 8	36	63	13	4,5	3,4	3,50	44,44	34,10
n. 10	32	70	13	6,0	4,9	4,10	44,44	34,10
1/4	28	80	16	7,0	5,5	5,50	47,30	42,57
5/16	24	90	18	6,0	4,9	6,90	55,99	48,18
3/8	24	90	15	7,0	5,5	8,50	62,70	50,93
7/16	20	100	20	8,0	6,2	9,90	72,60	62,15
1/2	20	100	20	9,0	7,0	11,50	81,29	70,73
9/16	18	100	22	11,0	9,0	12,90	101,97	88,11
5/8	18	100	22	12,0	9,0	14,50	105,60	95,37
3/4	16	110	25	14,0	11,0	17,50	161,48	136,62
7/8	14	125	25	18,0	14,5	20,40	183,70	159,17
1"	12	140	28	18,0	14,5	23,25	254,65	224,51

Materiali / Application: **4573.U1:** P1 - P2 - P3 - P4 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7
4573.S1: P3 - P4 - P5 / M1 - M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSS-Co-PM**

SCANALATURE ELICOIDALI - **ELICA SINISTRA 15° - TAGLIO DESTRO** - Imbocco "D"

Filettatura ASME B1.1 a passo fine UNF

Rivestimento TICN per TITANIO e leghe

MACHINE TAPS **HSS-Co-PM**

SPIRAL FLUTES - LEFT HELIX 15° - RIGHT CUT - Chamfer form "D"

ASME B1.1 Unified Fine Thread UNF

TICN coated for TITANIUM and alloys



 HSS-Co-PM

2BX  **4573.XT1**

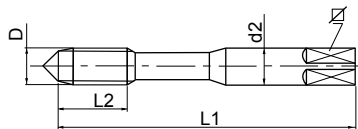


3B  **4573.XJT1**

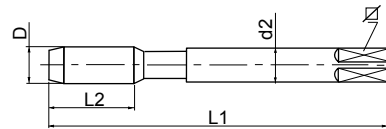
CRESTE ARROTONDATE
WITH ROUNDED CREST





DIN 371 D ≤ 3/8 UNF



DIN 374 D ≥ 7/16 UNF



D	filetti x 1" TPI	DIN 371 / DIN 374					4573.XT1	4573.XJT1
		L ₁	L ₂	d ₂			2BX	Filettatura UNJF - 3B
n. 6	40	56	11	4,0	3,0	2,95	41,69	-
n. 8	36	63	13	4,5	3,4	3,50	41,69	-
n. 10	32	70	13	6,0	4,9	4,10	41,69	50,93
1/4	28	80	16	7,0	5,5	5,50	41,69	50,93
5/16	24	90	18	8,0	6,2	6,90	52,36	63,88
3/8	24	100	20	10,0	8,0	8,50	56,87	69,38
7/16	20	100	20	8,0	6,2	9,90	64,24	-
1/2	20	100	20	9,0	7,0	11,50	68,75	-

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N8 - N9 / S2 - S3 / S5

UNF

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura ASME B1.1 a passo fine UNF - 2B

MACHINE TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ASME B1.1 Unified Fine Thread UNF- 2B

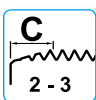
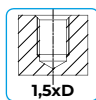
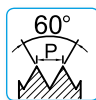
 HSSE



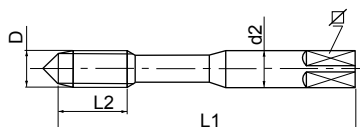
4574.1



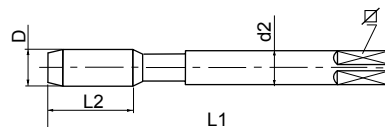
4574.T1



DIN 371 $D \leq 1/4$ UNF



DIN 374 $D \geq 5/16$ UNF



DIN 371 / DIN 374							4574.1	4574.T1
D	filetti x 1" TPI	L ₁	L ₂	d ₂			nudi / naked	TIN
n. 6	40	56	11	4,0	3,0	2,95	25,74	35,20
n. 8	36	63	13	4,5	3,4	3,50	25,74	35,20
n. 10	32	70	13	6,0	4,9	4,10	25,74	35,20
n. 12	28	80	16	6,0	4,9	4,60	25,74	35,20
1/4	28	80	16	7,0	5,5	5,50	25,74	35,20
5/16	24	90	18	6,0	4,9	6,90	28,38	39,27
3/8	24	90	20	7,0	5,5	8,50	31,24	43,34
7/16	20	100	20	8,0	6,2	9,90	39,27	55,66
1/2	20	100	22	9,0	7,0	11,50	46,86	63,36
9/16	18	100	22	11,0	9,0	12,90	60,06	82,72
5/8	18	100	25	12,0	9,0	14,50	64,24	88,00
3/4	16	110	25	14,0	11,0	17,50	83,27	117,48
7/8	14	125	25	18,0	14,5	20,40	98,78	143,88
1"	12	140	28	18,0	14,5	23,25	144,10	198,77

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2- N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA HSS-Co-PM

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

Filettatura ASME B1.1 a passo fine UNF

Rivestimento TICN per TITANIO e leghe

MACHINE TAPS HSS-Co-PM

SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"

ASME B1.1 Unified Fine Thread UNF

TICN coated for TITANIUM and alloys



 HSS-Co-PM

2BX



4574.XT1



3B

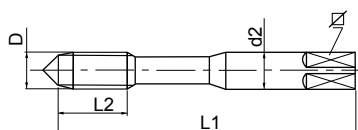


4574.XJT1

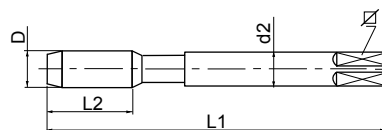
CRESTE ARROTONDATE
WITH ROUNDED CREST




DIN 371 D ≤ 3/8 UNF



DIN 374 D ≥ 7/16 UNF



D	filetti x 1" TPI	DIN 371 / DIN 374					4574.XT1	4574.XJT1
		L ₁	L ₂	d ₂	∅		2BX	Filettatura UNJF - 3B
n. 6	40	56	7	4,0	3,0	2,95	41,47	-
n. 8	36	63	7	4,5	3,4	3,50	42,90	-
n. 10	32	70	8	6,0	5,5	4,10	41,47	50,59
1/4	28	80	16	7,0	6,2	5,50	41,47	50,59
5/16	24	90	18	8,0	8,0	6,90	53,79	65,62
3/8	24	100	20	10,0	5,5	8,50	57,75	70,46
7/16	20	100	15	8,0	6,2	9,90	67,87	-
1/2	20	100	13	9,0	7,0	11,50	75,57	-

Materiali / Application: P6 / M4 / K3 - K4 / N4 / N6 - N7 / S2 - S3 / S5

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

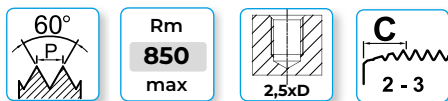
Filettatura ASME B1.1 a passo fine UNF - 2B

MACHINE TAPS **HSSE M35 5%Co**

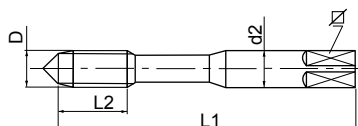
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ASME B1.1 Unified Fine Thread UNF - 2B

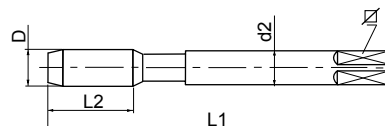
 HSSE




DIN 371 D ≤ 1/4 UNF



DIN 374 D ≥ 5/16 UNF



DIN 371 / DIN 374							4574.3	4574.V3	4574.T3
D	filetti x 1" TPI	L ₁	L ₂	d ₂	∠		nudi / naked	ST	TIN
n. 6	40	56	7	4,0	3,0	2,95	26,18	29,26	34,98
n. 8	36	63	7	4,5	3,4	3,50	26,18	29,26	34,98
n. 10	32	70	8	6,0	4,9	4,10	26,18	29,26	34,98
n. 12	28	80	10	6,0	4,9	4,60	26,18	29,26	34,98
1/4	28	80	10	7,0	5,5	5,50	27,39	29,92	36,19
5/16	24	90	13	6,0	4,9	6,90	32,23	36,41	45,10
3/8	24	90	15	7,0	5,5	8,50	34,43	39,71	47,30
7/16	20	100	15	8,0	6,2	9,90	40,48	45,21	56,98
1/2	20	100	13	9,0	7,0	11,50	50,71	56,21	67,98
9/16	18	100	15	11,0	9,0	12,90	62,37	71,28	85,03
5/8	18	100	15	12,0	9,0	14,50	66,99	73,48	88,44
3/4	16	110	17	14,0	11,0	17,50	87,78	96,25	121,88
7/8	14	125	18	18,0	14,5	20,40	103,51	113,19	143,88
1"	12	140	22	18,0	14,5	23,25	151,58	167,20	204,16

Altre dimensioni su richiesta / Other dimensions on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA

SCANALATURE ELICOIDALI - **ELICA DESTRA 45° / 48°** - Imbocco "C"

Filettatura ASME B1.1 a passo fine UNF - **2BX**

MASCHIATURA RIGIDA SINCRONIZZATA

Universali - per INOX

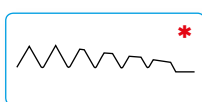
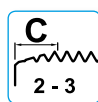
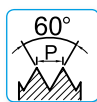
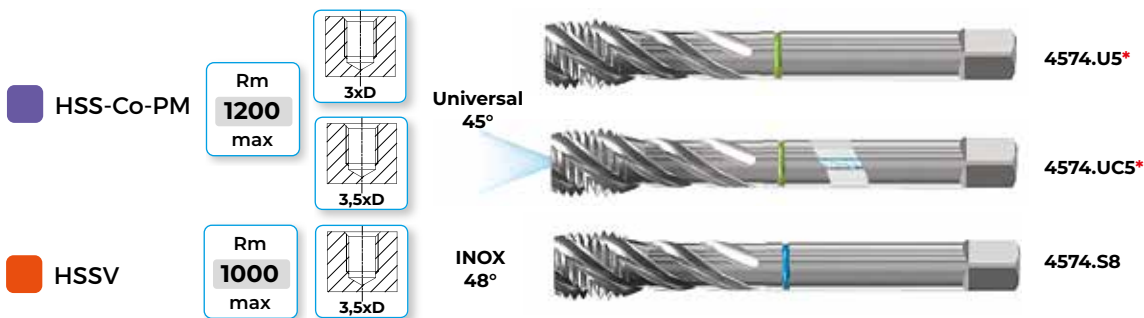
MACHINE TAPS

SPIRAL FLUTES - **RIGHT HELIX 45° / 48°** - Chamfer form "C"

ASME B1.1 Unified Fine Thread UNF - **2BX**

RIGID TAPPING SYNCHRO

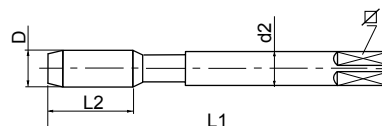
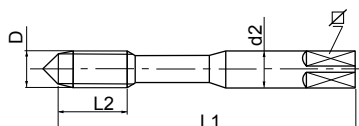
Universal use - for STAINLESS STEEL



* Solo Universali
Only Universal Use

DIN 371 D ≤ 1/4 UNF

DIN 374 D ≥ 5/16 UNF



DIN 371 / DIN 374							4574.U5	4574.UC5	4574.S8
D	filetti x 1" TPI	L ₁	L ₂	d ₂	∅		ASP30 + TX	ASP30 + TX	HSSV + HPC
n. 6	40	56	7	4,0	3,0	2,95	47,30	-	42,68
n. 8	36	63	7	4,5	3,4	3,50	47,30	-	42,68
n. 10	32	70	8	6,0	4,9	4,10	47,30	-	47,63
1/4	28	80	10	7,0	5,5	5,50	49,28	71,50	51,15
5/16	24	90	13	6,0	4,9	6,90	57,53	88,66	55,99
3/8	24	90	15	7,0	5,5	8,50	62,04	97,46	59,73
7/16	20	100	15	8,0	6,2	9,90	76,78	115,72	72,38
1/2	20	100	13	9,0	7,0	11,50	89,87	128,48	82,83
9/16	18	100	15	11,0	9,0	12,90	110,22	-	101,64
5/8	18	100	15	12,0	9,0	14,50	116,05	-	108,57
3/4	16	110	17	14,0	11,0	17,50	161,81	-	171,05
7/8	14	125	18	18,0	14,5	20,40	194,92	-	176,00
1"	12	140	22	18,0	14,5	23,25	275,33	-	221,43

Materiali / Application: **4574.U5:** P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7
4574.UC5: P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 - K4 / N2 - N3 / N7
4574.S8: P3 - P4 - P5 / M1 - M2 - M3 - M4

UNF

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-8%

Filettatura ASME B1.1 a passo fine UNF - 2BX

Con canalini laterali di lubrificazione - Imbocco "C"

Rivestimento TIN

COLD FORMING MACHINE TAPS HSS-Co-8%

ASME B1.1 Unified Fine Thread UNF - 2BX

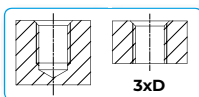
With lateral lubrication little flutes - Chamfer form "C"

TIN coated

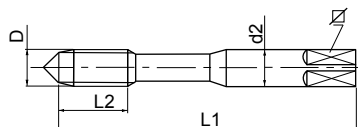
 HSS-Co-8%



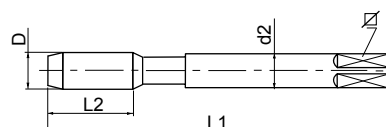
4577.T



DIN 371 $D \leq 3/8$ UNF



DIN 374 $D \geq 7/16$ UNF




DIN 371 / DIN 374							4577.T
D	filetti x 1" TPI	L ₁	L ₂	d ₂			TIN
n. 6	40	56	11	4,0	3,0	3,20	48,84
n. 8	36	63	13	4,5	3,4	3,85	48,84
n. 10	32	70	13	6,0	4,9	4,45	48,84
1/4	28	80	16	7,0	5,5	5,90	48,84
5/16	24	90	18	8,0	6,2	7,45	54,12
3/8	24	90	15	10,0	8,0	9,00	64,46
7/16	20	100	20	8,0	6,2	10,50	81,51
1/2	20	100	20	9,0	7,0	12,10	84,81
9/16	18	100	22	11,0	9,0	13,70	115,94
3/4	16	110	25	14,0	11,0	18,40	160,60
1"	12	140	28	18,0	14,5	24,45	191,40


Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / N1 - N2 - N3 / N6 - N7

RIEPILOGO PREFORI DI MASCHIATURA UNF E DIAMETRO MEDIO DEI MASCHI SUMMARY OF TAPPING PRE-HOLES UNF AND TAP DIAMETERS

Maschi a tagliare - Cutting taps

UNF	filetti x 1"		Ø esterno nominale	Ø medio - medium Ø 6H	
	TPI		nominal external Ø	min	max
Nr. 0	80	1,25	1,524	1,333	1,348
Nr. 1	72	1,55	1,854	1,640	1,655
Nr. 2	64	1,85	2,184	1,941	1,956
Nr. 3	56	2,15	2,515	2,235	2,250
Nr. 4	48	2,40	2,845	2,516	2,531
Nr. 5	44	2,70	3,175	2,815	2,830
Nr. 6	40	2,95	3,505	3,107	3,122
Nr. 8	36	3,50	4,166	3,727	3,747
Nr. 10	32	4,10	4,826	4,330	4,350
Nr. 12	28	4,60	5,486	4,916	4,936
1/4	28	5,50	6,350	5,800	5,820
5/16	24	6,90	7,938	7,290	7,310
3/8	24	8,50	9,525	8,877	8,897
7/16	20	9,90	11,112	10,333	10,353
1/2	20	11,50	12,700	11,920	11,940
9/16	18	12,90	14,288	13,416	13,436
5/8	18	14,50	15,875	15,004	15,024
3/4	16	17,50	19,050	18,064	18,084
7/8	14	20,40	22,225	21,097	21,127
1"	12	23,25	25,400	24,075	24,105
1"1/8	12	26,50	28,575	27,250	27,280
1"1/4	12	29,50	31,750	30,425	30,455
1"3/8	12	32,75	34,925	33,600	33,630
1"1/2	12	36,00	38,100	36,775	36,805

Maschi a rullare - Cold forming taps

UNF	filetti x 1"		Tolleranza
	TPI		Tolerance
Nr. 6	40	3,20	± 0,03
Nr. 8	36	3,85	± 0,03
Nr. 10	32	4,45	± 0,03
Nr. 12	28	5,05	± 0,05
1/4	28	5,90	± 0,05
5/16	24	7,45	± 0,05
3/8	24	9,00	± 0,05
7/16	20	10,50	± 0,05
1/2	20	12,10	± 0,05
9/16	18	13,70	± 0,05
5/8	18	15,25	± 0,05
3/4	16	18,40	± 0,05
7/8	14	21,40	± 0,05
1"	12	24,45	± 0,05
1"1/8	12	27,6	± 0,05
1"1/4	12	30,8	± 0,05
1"3/8	12	34	± 0,05
1"1/2	12	37,15	± 0,05

POTENZA ASSORBITA ABSORBED POWER

$$P_a = \frac{P_e}{\eta} = \frac{1}{9550} * \frac{f_z * \sigma * r * n}{1000 * \eta} \quad [\text{KW}]$$

LEGENDA / KEY	
P_a	Potenza assorbita / <i>Absorbed power</i>
P_e	Potenza effettiva / <i>Effective power</i>
r	Raggio utensile / <i>Tool radius (mm)</i>
n	giri/min / <i>revolutions/min</i>
η	Rendimento della macchina / <i>Machine efficiency</i>
σ	Sforzo di taglio / <i>Shearing stress (N/mm²)</i>
f_z	Sezione del truciolo / <i>Chip section (mm²)</i>

* Per filettature cilindriche con angolo di 55° e 60° con potenza del 75% : $f_z \approx 0,25 * p^2$ (p = passo)
 For cylindrical thread with 55° and 60° angle and 75% lift : $f_z \approx 0,25 * p^2$ (p = pitch)

VALORI σ / σ VALUE [N/mm ²]			
Acciaio / Steel 1000...1300 N/mm ²	3600	Ghisa dura / <i>Hard cast iron</i>	1250
Acciaio / Steel 850...1000 N/mm ²	2600	Rame / <i>Copper</i>	1100
Acciaio / Steel 700 N/mm ²	2500	Ghisa bianca / <i>White cast iron</i>	900
Acciaio / Steel 600 N/mm ²	2400	Ottone / <i>Brass</i>	720
Bronzo fuso / <i>Cast bronze</i>	1900	Leghe Al-Si / <i>Al-Si Alloys</i>	680
GG - 22 (HB 170)	1600	Leghe di zinco / <i>Zinc alloys</i>	440



UN-UNS
UNEF

UN-UNS-UNEF

Filettatura ASME B1.1 UN - 2B
ASME B1.1 UN - 2B

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

Imbocco "C"

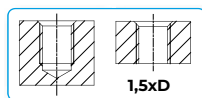
Filettatura ASME B1.1 **8-UN / 12 UN - 2B**

MACHINE TAPS **HSSE M35 5%Co**

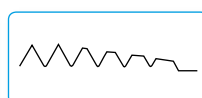
Chamfer form "C"

ASME B1.1 **8-UN / 12 UN - 2B**

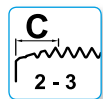
 HSSE



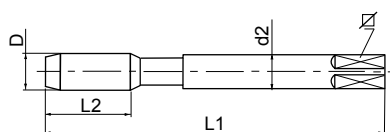
Tagli diritti
4583.0.8
4583.0.12






Elica 40°
4584.3.8



DIN 2184/1



DIN 2184/1						4583.0.8	4584.3.8	4583.0.12	
D	L ₁	L ₂	d ₂			Tagli diritti 8 x 1" Straight flutes 8 x 1"	Elica 40° 8 x 1" Helix 40° 8 x 1"		Tagli diritti 12 x 1" Straight flutes 12 x 1"
7/8	125	25	18,0	14,5		-	-	20,10	95,04
1"1/16	140	25	20,0	16,0		-	-	24,90	152,35
1"1/8	180	40	22,0	18,0	25,40	166,98	216,26		-
1"3/16	150	28	22,0	18,0		-	-	28,00	203,94
1"1/4	180	40	22,0	18,0	28,60	210,76	277,53		-
1"5/16	170	30	28,0	22,0		-	-	31,20	265,54
1"3/8	200	50	28,0	22,0	31,75	280,17	369,27		-
1"1/2	200	50	28,0	22,0	34,90	319,22	424,60		-
1"5/8	200	50	32,0	24,0	38,10	394,02	517,00	39,20	392,37
° 1"3/4	200	50	36,0	29,0	41,30	475,20	602,14		-
° 1"7/8	225	60	36,0	29,0	44,45	566,50	723,80		-
° 2"	225	60	40,0	32,0	47,60	652,96	836,77		-
° 2"1/4	250	65	45,0	35,0	54,00	706,64	874,17		-
° 2"1/2	275	70	50,0	39,0	60,30	962,50	1232,33		-
° Acciaio HSS / HSS Steel									
Rivestimenti a richiesta / Coating on demand									
Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11									

MASCHI A MACCHINA - MACHINE TAPS

NEW 2024

MASCHI A MACCHINA **HSSE M35 5%Co**
SCANALATURE DIRITTE - Imbocco "C"
Filettatura ASME B1.1 **UNEF / UNS** - 2B

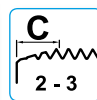
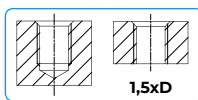
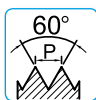
MACHINE TAPS **HSSE M35 5%Co**
STRAIGHT FLUTES - Chamfer form "C"
ASME B1.1 **UNEF / UNS** - 2B

 HSSE

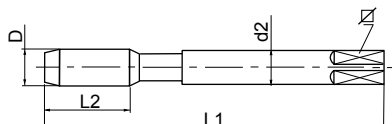




4553.0 UNEF

4593.0 UNS



DIN 2181/1



DIN 2181/1						4553.0 UNEF		4593.0 UNS		
D	L ₁	L ₂	d ₂	∠		filetti x 1" TPI			filetti x 1" TPI	
1/4	80	10	7,0	5,5	5,55	32	35,75	5,30	24	36,52
1/4	80	10	7,0	5,5	-	-	-	5,60	36	36,52
1/4	80	10	7,0	5,5	-	-	-	5,70	40	36,52
5/16	90	13	6,0	4,9	7,15	32	46,64	-	-	-
3/8	90	15	7,0	5,5	8,70	32	53,24	8,90	40	49,94
7/16	100	15	8,0	6,2	10,20	28	56,21	10,05	24	50,93
1/2	100	13	9,0	7,0	11,80	28	58,96	11,60	24	60,28
9/16	100	15	11,0	9,0	13,20	24	72,38	-	-	-
3/4	110	17	14,0	11,0	17,80	20	98,67	-	-	-
1"	140	22	18,0	14,5	24,15	20	168,08	23,60	14	166,98
Altre dimensioni a richiesta / Other sizes on demand										
Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11										

N.B.: 1/4 centro maschio / 1/4 male center

FILETTATURE AMERICANE AMERICAN UNIFIED THREAD

PASSO - PITCH

	8	9	10	11	12	13	14	16	18	20	24	27	28	32	36	40	44	48	56	60	64	72	80	
0																							UNF	
1																						UNC	UNF	
2																			UNC			UNF		
3																			UNC	UNF				
4																UNC			UNF					
5																UNC	UNF							
6														UNC		UNF								
9/64																								
8														UNC	UNF									
11/64																								
10											UNC			UNF		UNS		UNS	UNS					
12											UNC		UNF	UNEF	UNS									
15/64																								
1/4											UNC	UNS		UNF	UNEF	UNS	UNS					UNS		
9/32																								
5/16										UNC		UNF			UNEF		UNS							
3/8								UNC	UNS	UN20	UNF	UNS	UN28	UNEF		UNS								
7/16							UNC			UNF	UNS	UNS	UNEF	UN32										
1/2					UNC					UNF	UNS	UNS	UNEF	UN32										
9/16					UNC					UNF		UNEF												
5/8				UNC				UN16	UNF	UN20	UNEF	UNS	UN28											
11/16								UN16	UNS		UNEF													
3/4			UNC					UNF	UNS	UNEF		UNS	UN28											
13/16								UN16		UNEF														
7/8		UNC			UN12			UNF	UN16	UNS	UNEF	UNS												
15/16								UN16	UNS															
1"	UNC				UNF		UNS	UN16	UNS	UNEF	UNS				UN32									
1"1/16					UN12			UN16	UNEF	UN20														
1"1/8	UN8				UNF			UN16	UNEF	UN20														
1"3/16	UN8				UN12			UN16	UNEF															
1"1/4	UN8				UNF		UNS	UN16	UNEF	UN20														
1"5/16					UN12		UNS	UN16																
1"3/8	UN8				UNF				UNEF	UN20														
1"7/16					UN12					UNEF														
1"1/2	UN8				UNF			UN16	UNEF															
1"9/16																								
1"5/8	UN8				UN12																			
1"11/16																								
1"3/4	UN8				UN12																			
1"13/16																								
1"7/8	UN8				UN12						UN20													
1"15/16																								
2"	UN8				UN12			UN16																
2"1/8																								
2"1/4	UN8																							
2"3/8																								
2"1/2	UN8				UN12																			
2"3/4																								
2"7/8	UN8																							
3"	UN8																							



G - Rp

Filettatura ISO 228/1 - GAS cilindrica BSP
ISO 228/1 - Whitworth pipe thread BSP

G

Rp

MASCHI A MANO - HAND TAPS

MASCHI A MANO in serie di 2 pezzi **HSS M2**
Filettatura ISO 228/1 - GAS cilindrica BSP

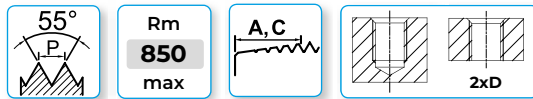
ops

HAND TAPS set of 2 HSS M2
ISO 228/1 - Whitworth pipe thread BSP

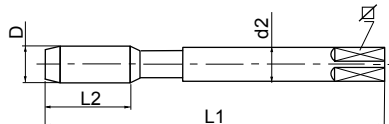
■ HSS



1445



DIN 5157



D	filetti x 1" TPI	Ø mm	DIN 5157					1445		1445.1
			L ₁	L ₂	d ₂	□	✂	serie / set	finitore / 2 nd	serie / set <i>Filettatura SINISTRA LEFT Hand</i>
1/8	28	9,73	63	18	7,0	5,5	8,80	33,28	22,44	*
1/4	19	13,16	70	20	11,0	9,0	11,80	43,36	29,37	*
3/8	19	16,66	70	20	12,0	9,0	15,25	60,63	41,03	*
1/2	14	20,96	80	22	16,0	12,0	19,00	87,62	59,29	*
5/8	14	22,91	80	22	18,0	14,5	21,00	106,15	71,94	*
3/4	14	26,44	90	22	20,0	16,0	24,50	143,93	97,46	*
7/8	14	30,20	90	22	22,0	18,0	28,25	172,72	123,20	*
1"	11	33,25	100	25	25,0	20,0	31,00	250,08	177,87	*
1"1/8	11	37,90	125	32	28,0	22,0	35,50	400,75	241,23	*
1"1/4	11	41,91	125	32	32,0	24,0	39,50	516,12	310,64	*
1"1/2	11	47,80	140	32	36,0	29,0	45,50	639,59	385,00	*
1"3/4	11	53,75	140	32	40,0	32,0	51,50	769,12	462,99	*
2"	11	59,61	160	36	45,0	35,0	57,00	958,37	576,84	*
2"1/4	11	65,71	160	40	50,0	39,0	63,00	*	*	-
2"1/2	11	75,18	160	40	50,0	39,0	73,00	*	*	-
2"3/4	11	81,53	160	40	50,0	39,0	79,00	*	*	-
3"	11	87,88	160	40	50,0	39,0	85,50	*	*	-

*Prezzo e disponibilità a richiesta / Price and delivery time on demand

Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K4 / N1 - N2 - N3 - N4 / N7 - N8 - N9

MASCHI A MACCHINA - MACHINE TAPS

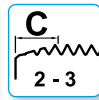
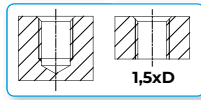
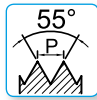
MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE - Imbocco "C"
 Filettatura ISO 228/1 - GAS cilindrica BSP

MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES - Chamfer form "C"
 ISO 228/1 - Whitworth pipe thread BSP

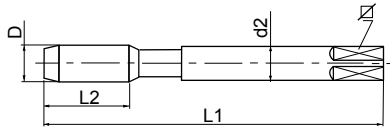
 HSSE




4543.0



DIN 5156



DIN 5156								4543.0
D	filetti x 1" TPI	Ø mm	L ₁	L ₂	d ₂	∅		
1/8	28	9,73	90	15	7,0	5,5	8,80	28,71
1/4	19	13,16	100	22	11,0	9,0	11,80	34,76
3/8	19	16,66	100	22	12,0	9,0	15,25	49,17
1/2	14	20,96	125	25	16,0	12,0	19,00	65,89
3/4	14	26,44	140	25	20,0	16,0	24,50	110,33
1"	11	33,25	160	30	25,0	20,0	31,00	194,92
1 1/8	11	37,90	170	30	28,0	22,0	35,50	251,90
1 1/4	11	41,91	170	30	32,0	24,0	39,50	307,01
° 1 1/2	11	47,80	190	32	36,0	29,0	45,50	453,64
Altre dimensioni su richiesta / Other dimensions on demand								
° Acciaio HSS / HSS Steel								
Materiali / Application: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11								

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE - Imbocco "C" - **per GHISA**
 Filettatura ISO **228X** - GAS cilindrica BSP

Rivestimento TICN

MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES - Chamfer form "C" - **for CAST IRON**
 ISO **228X** - Whitworth pipe thread BSP

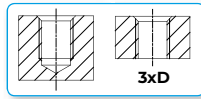
TICN coated



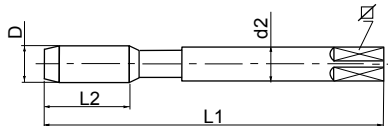
 HSSE




4543.2



DIN 5156



DIN 5156								4543.2
D	filetti x 1" TPI	Ø mm	L ₁	L ₂	d ₂	□		TICN
1/8	28	9,73	90	15	7,0	5,5	8,80	42,68
1/4	19	13,16	100	22	11,0	9,0	11,80	54,34
3/8	19	16,66	100	22	12,0	9,0	15,25	74,69
1/2	14	20,96	125	25	16,0	12,0	19,00	99,88
3/4	14	26,44	140	25	20,0	16,0	24,50	171,27
1"	11	33,25	160	30	25,0	20,0	31,00	295,24
Altre dimensioni a richiesta / Other dimensions on demand								
Materiali / Application: K1 - K2 - K3 - K4 / N3 - N4 / N8 / N11								

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

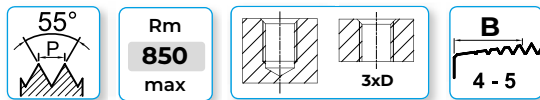
Filettatura ISO 228/1 - GAS cilindrica BSP

MACHINE TAPS **HSSE M35 5%Co**

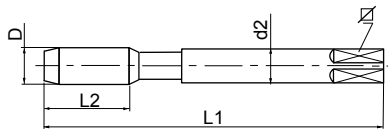
STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"


ISO 228/1 - Whitworth pipe thread BSP

 HSSE



DIN 5156



D	filetti x 1" TPI	Ø mm	DIN 5156						4543.1	4543.V1	4543.T1	4843.1
			L ₁	L ₂	d ₂	∠	nudi / naked		ST	TIN	ISO 228 + 0,1	
1/8	28	9,73	90	15	7,0	5,5	8,80	28,27	32,78	42,79	•	
1/4	19	13,16	100	22	11,0	9,0	11,80	38,28	43,78	57,75	•	
3/8	19	16,66	100	22	12,0	9,0	15,25	53,90	60,94	75,68	•	
1/2	14	20,96	125	25	16,0	12,0	19,00	72,05	80,52	106,04	•	
5/8	14	22,91	125	25	18,0	14,5	21,00	92,29	-	-	-	
3/4	14	26,44	140	25	20,0	16,0	24,50	120,89	142,78	171,16	-	
7/8	14	30,20	150	28	22,0	18,0	28,25	155,21	-	-	-	
1"	11	33,25	160	30	25,0	20,0	31,00	224,62	243,32	298,54	-	
1 1/8"	11	37,90	170	30	28,0	22,0	35,50	277,75	-	-	-	
1 1/4"	11	41,91	170	30	32,0	24,0	39,50	337,48	-	-	-	
° 1.1/2"	11	47,80	190	32	36,0	29,0	45,50	499,51	-	-	-	
° 2"	11	59,61	220	40	45,0	35,0	57,00	977,90	-	-	-	
°Acciaio HSS / HSS Steel												
*Prezzo a richiesta / Price on demand												
Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7 ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7												

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA

SCANALATURE DIRITTE con IMBOCCO CORRETTO - forma "B"

Filettatura ISO **228X** - GAS cilindrica BSP

Universali - per INOX

MACHINE TAPS

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO **228X** - Whitworth pipe thread BSP

Universal use - for STAINLESS STEEL



 HSS-Co-PM

Rm
1200
max

Universal



4543.U1

 HSSV

Rm
1000
max

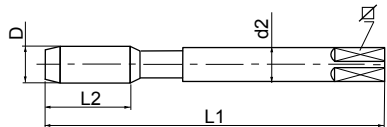
INOX



4543.S1



DIN 5156



D	filetti x 1" TPI	Ø mm	DIN 5156					4543.U1	4543.S1
			L ₁	L ₂	d ₂	□	⊕	ASP30 + TX	HSSV + HPC
1/8	28	9,73	90	15	7,0	5,5	8,80	55,44	48,84
1/4	19	13,16	100	22	11,0	9,0	11,80	78,65	67,98
3/8	19	16,66	100	22	12,0	9,0	15,25	100,43	85,80
1/2	14	20,96	125	25	16,0	12,0	19,00	147,62	124,52
3/4	14	26,44	140	25	20,0	16,0	24,50	232,10	200,42

Materiali / Application: **4543.U1:** P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 -K4 / N2 - N3 / N7
4543.S1: P3 - P4 - P5 / M1 - M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 15° - Imbocco "C"

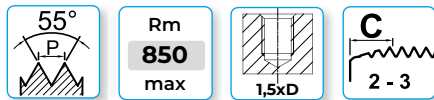
Filettatura ISO 228/1 - GAS cilindrica BSP

MACHINE TAPS **HSSE M35 5%Co**

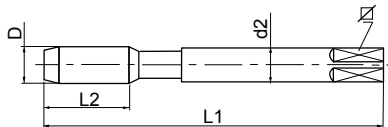
SPIRAL FLUTES - RIGHT HELIX 15° - Chamfer form "C"


ISO 228/1 - Whitworth pipe thread BSP

 HSSE



DIN 5156



D	filetti x 1" TPI	Ø mm	DIN 5156					4544.1	4544.V1	4544.T1
			L ₁	L ₂	d ₂	□		nudi / naked	ST	TIN
1/8	28	9,73	90	15	7,0	5,5	8,80	27,94	32,56	42,46
1/4	19	13,16	100	22	11,0	9,0	11,80	38,50	45,10	57,75
3/8	19	16,66	100	22	12,0	9,0	15,25	52,36	58,41	76,12
1/2	14	20,96	125	25	16,0	12,0	19,00	71,50	79,64	104,17
3/4	14	26,44	140	25	20,0	16,0	24,50	121,55	143,00	171,16
1"	11	33,25	160	30	25,0	20,0	31,00	224,62	244,20	303,38
1 1/8"	11	37,90	170	30	28,0	22,0	35,50	281,38	-	-
1 1/4"	11	41,91	170	30	32,0	24,0	39,50	330,77	-	-
° 1 1/2"	11	47,80	190	32	36,0	29,0	45,50	510,51	-	-
° 2"	11	59,61	220	40	45,0	35,0	57,00	932,58	-	-

° Acciaio HSS / HSS Steel

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

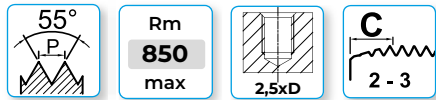
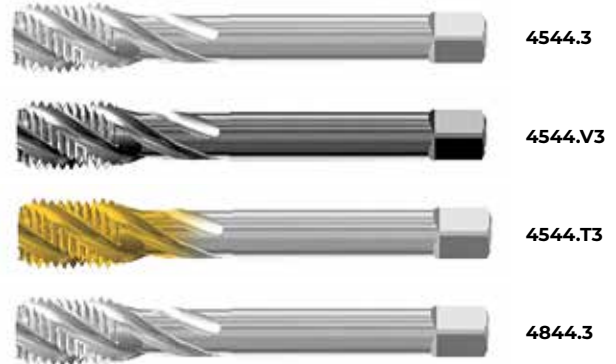
Filettatura ISO 228/1 - GAS cilindrica BSP

MACHINE TAPS **HSSE M35 5%Co**

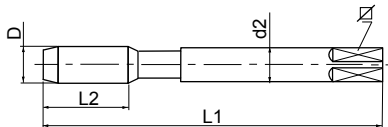
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"


ISO 228/1 - Whitworth pipe thread BSP

 HSSE



DIN 5156



D	filetti x 1" TPI	Ø mm	DIN 5156						4544.3	4544.V3	4544.T3	4844.3
			L ₁	L ₂	d ₂	∠	nudi / naked		ST	TIN	ISO 228 + 0,1	
1/8	28	9,73	90	15	7,0	5,5	8,80	30,69	35,31	45,21	*	
1/4	19	13,16	100	15	11,0	9,0	11,80	43,45	48,40	65,12	*	
3/8	19	16,66	100	15	12,0	9,0	15,25	57,75	63,80	81,51	*	
1/2	14	20,96	125	18	16,0	12,0	19,00	77,11	85,80	111,32	*	
5/8	14	22,91	125	18	18,0	14,5	21,00	97,79	107,80	134,75	-	
3/4	14	26,44	140	20	20,0	16,0	24,50	131,56	144,32	177,43	-	
7/8	14	30,20	150	22	22,0	18,0	28,25	170,83	196,24	247,17	-	
1"	11	33,25	160	24	25,0	20,0	31,00	231,77	249,70	311,30	-	
1.1/4	11	41,91	170	24	32,0	24,0	39,50	378,18	396,33	-	-	
° 1.1/2	11	47,80	190	27	36,0	29,0	45,50	545,82	581,68	-	-	
° 2"	11	59,61	220	32	45,0	35,0	57,00	1024,76	1116,28	-	-	

°Acciaio HSS / HSS Steel

*Prezzo a richiesta / Price on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

MASCHI A MACCHINA - MACHINE TAPS

NEW 2024

MASCHI A MACCHINA **HSSE-PM**
 SCANALATURE ELICOIDALI - ELICA DESTRA 40°
IMBOCCO "E"

Filettatura ISO 228/1 - GAS cilindrica BSP

Rivestimento TX

MACHINE TAPS **HSSE-PM**
 SPIRAL FLUTES - RIGHT HELIX 40°
CHAMFER FORM "E"

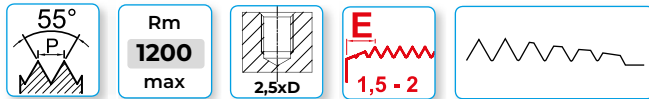
ISO 228/1 - Whitworth pipe thread BSP

TX coated

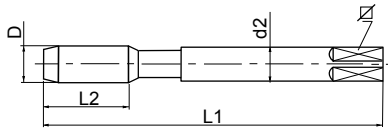
HSSE-PM




4544.F4



DIN 5156



D	filetti x 1" TPI	Ø mm	DIN 5156					4544.F4	
			L ₁	L ₂	d ₂	∅		TX	
1/8	28	9,73	90	15	7,0	5,5	8,80	50,68	
1/4	19	13,16	100	15	11,0	9,0	11,80	66,39	
3/8	19	16,66	100	15	12,0	9,0	15,25	91,00	
1/2	14	20,96	125	18	16,0	12,0	19,00	127,97	

Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA

SCANALATURE ELICOIDALI - **ELICA DESTRA 45° / 48°** - Imbocco "C"

Filettatura ISO **228X** - GAS cilindrica BSP

MASCHIATURA RIGIDA SINCRONIZZATA

Universali - per INOX

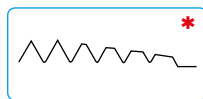
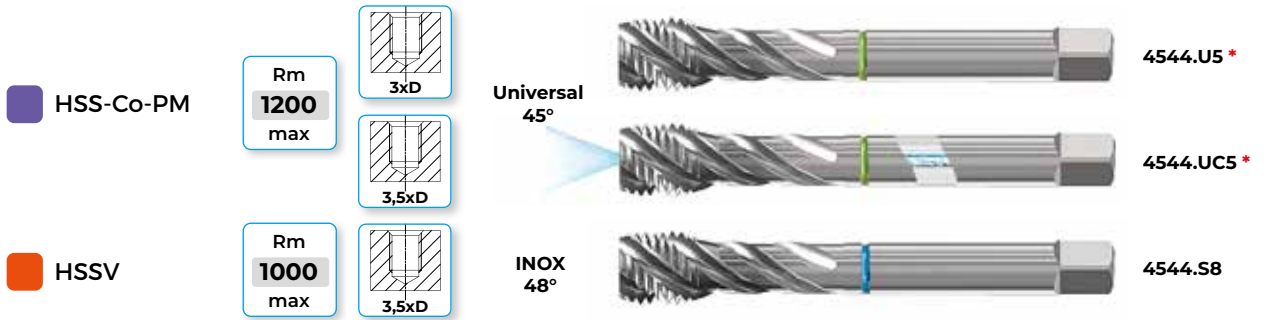
MACHINE TAPS

SPIRAL FLUTES - **RIGHT HELIX 45° / 48°** - Chamfer form "C"

ISO **228X** - Whitworth pipe thread BSP

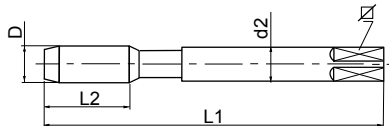
RIGID TAPPING SYNCHRO

Universal use - for **STAINLESS STEEL**



* Solo Universali
Only Universal Use

DIN 5156



D	filetti x 1" TPI	Ø mm	DIN 5156					4544.U5	4544.UC5	4544.S8
			L ₁	L ₂	d ₂	□	⊕	ASP30 + TX	ASP30 + TX	HSSV + HPC
1/8	28	9,73	90	15	7,0	5,5	8,80	62,59	97,79	54,67
1/4	19	13,16	100	15	11,0	9,0	11,80	90,20	129,14	75,57
3/8	19	16,66	100	15	12,0	9,0	15,25	114,40	154,00	91,74
1/2	14	20,96	125	18	16,0	12,0	19,00	154,99	199,98	131,01
3/4	14	26,44	140	20	20,0	16,0	24,50	251,68	312,51	207,24
1"	11	33,25	160	24	25,0	20,0	31,00	421,19	494,23	347,27

Materiali / Application: **4544.U5:** P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 -K4 / N2 - N3 / N7
4544.UC5: P1 - P2 - P3 - P4 - P5 / M1 - M2 - M3 / K3 -K4 / N2 - N3 / N7
4544.S8: P3 - P4 - P5 / M1 - M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA A RULLARE HSS-Co-PM

Filettatura ISO **228X** - GAS cilindrica BSP

Rivestimento Super TIN (TIN+) Imbocco "C"

Con canalini laterali di lubrificazione

MASCHIATURA RIGIDA SINCRONIZZATA

COLD FORMING MACHINE TAPS HSS-Co-PM

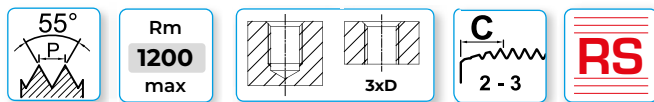
ISO **228X** - Whitworth pipe thread BSP

Super TIN (TIN+) coated Chamfer form "C"

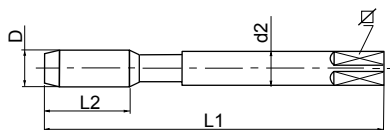
With lateral lubrication flutes

RIGID TAPPING SYNCHRO

 HSS-Co-PM



DIN 5156



D	filetti x 1" TPI	Ø mm	DIN 5156				4547.X	4547.XC	
			L ₁	L ₂	d ₂	∠			
1/8	28	9,73	90	10	7,0	5,5	9,25	71,94	107,14
1/4	19	13,16	100	13	11,0	9,0	12,50	103,51	146,19
3/8	19	16,66	100	13	12,0	9,0	16,00	127,93	170,61
1/2	14	20,96	125	18	16,0	12,0	20,00	152,35	199,87
3/4	14	26,44	140	20	20,0	16,0	25,50	218,13	279,07
1"	11	33,25	160	25	25,0	20,0	32,00	353,32	438,57

con foro centrale
with central hole

Materiali / Application: P3 - P4 - P5 / M2 - M3 - M4

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C"

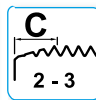
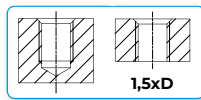
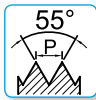
Filettatura ISO 7/1 - GAS cilindrica **Rp** per interni (BSPP)

MACHINE TAPS **HSSE M35 5%Co**

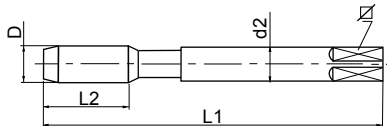
STRAIGHT FLUTES - Chamfer form "C"


ISO 7/1 - Cylindrical Whitworth internal pipe thread **Rp** (BSPP)

 HSSE




DIN 5156



DIN 5156								4542.0	4542.TO
D	filetti x 1" TPI	Ø mm	L ₁	L ₂	d ₂	□			TIN
1/8	28	9,73	90	15	7,0	5,5	8,80	29,48	43,67
1/4	19	13,16	100	22	11,0	9,0	11,50	40,48	63,25
3/8	19	16,66	100	22	12,0	9,0	15,00	57,64	79,42
1/2	14	20,96	125	25	16,0	12,0	18,50	75,57	109,67
3/4	14	26,44	140	25	20,0	16,0	24,00	121,44	176,44
1"	11	33,25	160	30	25,0	20,0	30,25	217,03	305,14
Altre dimensioni su richiesta / Other dimensions on demand									
Materiali / Application: 4542.0: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11 4545.TO: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11									

RIEPILOGO PREFORI DI MASCHIATURA BSP E DIAMETRO MEDIO DEI MASCHI SUMMARY OF TAPPING PRE-HOLES BSP AND TAP DIAMETERS

Maschi a tagliare - *Cutting taps*

BSP	filetti x 1"		Ø esterno nominale	Ø medio - <i>medium</i> Ø 6H	
	TPI		<i>nominal external</i> Ø	min	max
1/8	28	8,80	9,728	9,189	9,254
1/4	19	11,80	13,157	12,349	12,426
3/8	19	15,25	16,662	15,849	15,931
1/2	14	19,00	20,955	19,848	19,935
5/8	14	21,00	22,911	21,798	21,891
3/4	14	24,50	26,441	25,328	25,421
7/8	14	28,25	30,201	29,088	29,181
1"	11	31,00	33,249	31,831	31,950
1"1/8	11	35,50	37,897	36,481	36,598
1"1/4	11	39,50	41,910	40,491	40,611
1"1/2	11	45,50	47,803	46,391	46,504
1"3/4	11	51,50	53,746	52,351	52,447
2"	11	57,00	59,614	58,211	58,315
2"1/4	11	63,00	65,710	64,321	64,448
2"1/2	11	73,00	75,184	73,791	73,922
2"3/4	11	79,00	81,534	80,151	80,272
3"	11	85,50	87,884	86,501	86,622

Maschi a rollare - *Cold forming taps*

BSP	filetti x 1"		Tolleranza
	TPI		<i>Tolerance</i>
1/8	19	9,25	± 0,05
1/4	19	12,50	± 0,05
3/8	14	16,00	± 0,05
1/2	14	20,00	± 0,05
5/8	14	22,00	± 0,05
3/4	14	25,50	± 0,05
7/8	11	29,25	± 0,05
1"	11	32,00	± 0,05
1"1/8	11	36,70	± 0,05
1"1/4	11	40,70	± 0,05

**ALTRE FILETTATURE UNIFICATE
OTHER STANDARD THREADS**

S (SgN - SgF)	Filettatura a dente di sega <i>Saw tooth thread</i>
NPSC	Filettatura americana cilindrica interna per manicotti con sigillanti <i>American cylindrical internal thread for couplings with sealants</i>
NPSL	Filettatura americana cilindrica per tubi e controdadi <i>American cylindrical internal thread for pipes and locknuts</i>
NPSH	Filettatura americana cilindrica per tubi flessibili, manicotti e nippli <i>American cylindrical thread for flexibles pipes, couplings and nipples</i>
NGO	Filettatura americana cilindrica per bombole a gas <i>American cylindrical thread for gas tanks</i>
NPSI	Filettatura americana interna cilindrica per manicotti a tenuta stagna senza sigillanti <i>American cylindrical internal thread for couplings sealed without sealants</i>
NPTR	Filettatura americana conica per giunti e guarnizioni (settore ferroviario) <i>American tapered thread for couplings and railing fittings</i>
NGT	Filettatura americana conica per tubi <i>American tapered thread for pipes</i>
PTF-SAE Short	Filettatura americana conica per tubi per tenuta stagna senza sigillanti <i>American tapered thread for sealed pipes without sealants</i>
API-LP	Filettatura americana conica per tubi (settore petrolifero) <i>American Petroleum Institute Line Pipe</i>
ACME-C	Filettatura americana trapezoidale per applicazioni speciali <i>American trapezoidal thread for special purpose</i>
ACME-G	Filettatura americana trapezoidale per usi generici <i>American trapezoidal thread for general purpose</i>
STUB-ACME	Filettatura americana trapezoidale con profilo ribassato <i>American trapezoidal thread - shortened shape</i>
N BUTT	Filettatura americana a dente di sega <i>American saw tooth thread</i>
E	Filettatura Edison <i>Edison thread</i>
Rd	Filettatura a profilo tondo <i>Round shape thread</i>
BSC	Filettatura inglese per cicli <i>British bicycles thread</i>
FG	Filettatura tedesca per cicli <i>German bicycles thread</i>
Vg	Filettatura per valvole di pneumatici <i>Tyres valves thread</i>



Rc - NPT - NPTF Filettature coniche
Tapered threads

RC

NPT

NPTF

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA CORTI **HSSE M35 5%Co**

Imbocco "C"

Filettatura ISO 7/1 - GAS conica **Rc** (BSPT) - Conicità 1:16

SHORT MACHINE TAPS **HSSE M35 5% Co**

Chamfer form "C"

ISO 7/1 - Tapered Whitworth pipe thread **Rc** (BSPT) - Taper 1:16

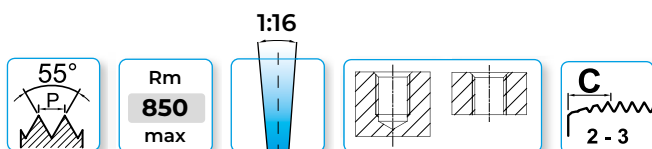
 HSSE



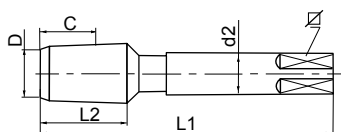
4445.2




4445.2V1



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA									4445.2	4445.2V1
D	filetti x 1" TPI	Ø mm	L ₁	L ₂	d ₂	∅	C		Tagli diritti Straight flutes	Elica destra 15° Right helix 15°
										ST
1/8	28	9,73	63	13	7,0	5,5	10,1	8,20	48,73	62,48
1/4	19	13,16	63	20	11,0	9,0	15,0	11,00	57,31	68,20
3/8	19	16,66	70	20	12,0	9,0	15,4	14,50	69,74	81,62
1/2	14	20,96	80	26	16,0	12,0	20,4	18,00	86,02	101,09
3/4	14	26,44	100	28	20,0	16,0	21,7	23,50	133,98	158,40
1"	11	33,25	110	34	25,0	20,0	26,0	29,50	188,87	222,75
° 1 1/4	11	41,91	125	36	32,0	24,0	28,3	38,00	337,48	-
° 1 1/2	11	47,80	140	36	36,0	29,0	28,3	44,00	425,81	-
° 2"	11	59,61	160	40	45,0	35,0	32,6	55,50	585,64	-

° Acciaio HSS / HSS steel

Materiali / Application: nudi / naked: P1 - P2 - P3 - P4 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8
ST: P1 - P2 - P3 - P4 / M1 - M2 - M3 / N2 - N3 / N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C"

Filettatura ISO 7/1 - GAS conica **Rc** (BSPT) - Conicità 1:16

MACHINE TAPS **HSSE M35 5% Co**

STRAIGHT FLUTES - Chamfer form "C"

ISO 7/1 - Tapered Whitworth pipe thread **Rc** (BSPT) - Taper 1:16

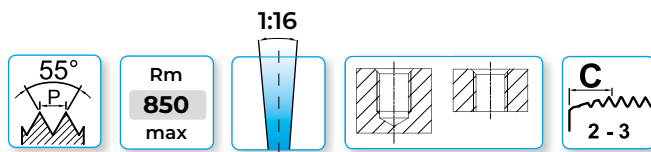
 HSSE



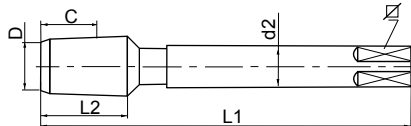
4545.2




4545.F2



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA									4545.2	4545.F2
D	filetti x 1" TPI	∅ mm	L ₁	L ₂	d ₂	∠	C			HPC
1/8	28	9,73	90	13	7,0	5,5	10,1	8,20	54,78	73,15
1/4	19	13,16	100	20	11,0	9,0	15,0	11,00	63,36	94,82
3/8	19	16,66	110	20	12,0	9,0	15,4	14,50	77,99	107,14
1/2	14	20,96	125	26	16,0	12,0	20,4	18,00	99,88	146,74
3/4	14	26,44	140	28	20,0	16,0	21,7	23,50	159,61	229,13
1"	11	33,25	160	34	25,0	20,0	26,0	29,50	219,34	324,83

Materiali / Application: **nudi / naked:** P1 - P2 - P3 - P4 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8
HPC: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA CORTI **HSSE M35 5%Co**

Imbocco "C"

Filettatura ANSI/ASME B1.20.1 - **NPT** conica per tubi - Conicità 1:16

SHORT MACHINE TAPS HSSE M35 5% Co

Chamfer form "C"

ANSI/ASME B1.20.1 - American tapered pipe thread **NPT** - Taper 1:16

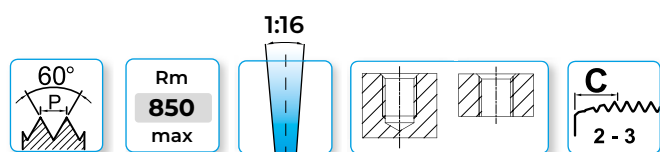
 HSSE



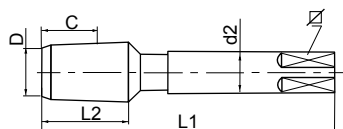
4445.3




4445.3V1



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA									4445.3	4445.3V1
D	filetti x 1" TPI	Ø mm	L ₁	L ₂	d ₂	□	C		Tagli diritti Straight flutes	Elica destra 15° Right helix 15°
										ST
1/8	27	10,29	63	13	7,0	5,5	9,3	8,50	48,73	62,48
1/4	18	13,72	63	20	11,0	9,0	13,5	11,00	57,31	68,20
3/8	18	17,15	70	20	12,0	9,0	13,9	14,50	69,74	81,62
1/2	14	21,34	80	26	16,0	12,0	18,1	17,90	86,02	101,09
3/4	14	26,67	100	26	20,0	16,0	18,6	23,20	133,98	162,80
1"	11,5	33,40	110	32	25,0	20,0	22,3	29,00	188,87	212,85
° 1"1/4	11,5	42,16	125	32	32,0	24,0	22,8	37,80	337,48	-
° 1"1/2	11,5	48,26	140	32	36,0	29,0	22,8	44,00	425,81	-
° 2"	11,5	60,33	160	36	45,0	35,0	23,2	56,00	585,64	-

° Acciaio HSS / HSS steel

Materiali / Application: **nudi / naked:** P1 - P2 - P3 - P4 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8
ST: P1 - P2 - P3 - P4 / M1 - M2 - M3 / N2 - N3 / N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C"

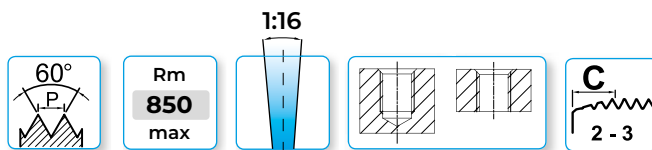
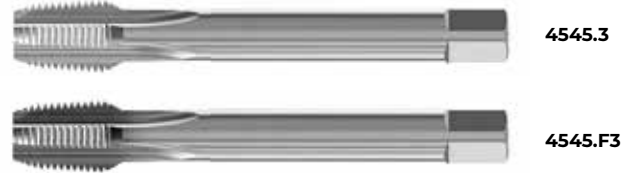
Filettatura ANSI/ASME B1.20.1 - **NPT** conica per tubi - Conicità 1:16

MACHINE TAPS HSSE M35 5% Co

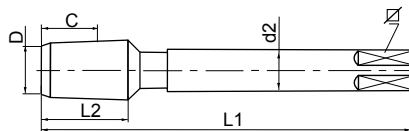
STRAIGHT FLUTES - Chamfer form "C"


ANSI/ASME B1.20.1 - American tapered pipe thread **NPT** - Taper 1:16

 HSSE



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA									4545.3	4545.F3
D	filetti x 1" TPI	Ø mm	L ₁	L ₂	d ₂	□	C			HPC
1/8	27	10,29	90	13	7,0	5,5	9,3	8,50	54,78	73,15
1/4	18	13,72	100	20	11,0	9,0	13,5	11,00	63,36	96,36
3/8	18	17,15	110	20	12,0	9,0	13,9	14,50	77,99	107,14
1/2	14	21,34	125	26	16,0	12,0	18,1	17,90	99,88	146,63
3/4	14	26,67	140	26	20,0	16,0	18,6	23,20	159,61	229,13
1"	11,5	33,40	160	32	25,0	20,0	22,3	29,00	219,34	324,83
Altre dimensioni su richiesta / Other dimensions on demand										
Materiali / Application: nudi / naked: P1 - P2 - P3 - P4 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8 HPC: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8										

RC

NPT

NPTF

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA CORTI **HSSE M35 5%Co**

Imbocco "C"

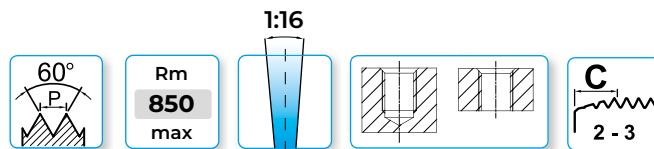
Filettatura ANSI/ASME B1.20.3 - **NPTF** conica per tubi - Conicità 1:16 - "Dry Seal"

SHORT MACHINE TAPS **HSSE M35 5%Co**

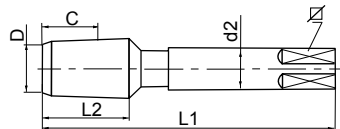
Chamfer form "C"


ANSI/ASME B1.20.3 - American tapered pipe thread **NPTF** - Taper 1:16 - "Dry Seal"

 HSSE



NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA									4445.4	4445.4V1
D	filetti x 1" TPI	Ø mm	L ₁	L ₂	d ₂	∅	C		Tagli diritti Straight flutes	Elica destra 15° Right helix 15°
										ST
1/8	27	10,29	63	13	7,0	5,5	9,3	8,50	48,73	62,48
1/4	18	13,72	63	20	11,0	9,0	13,5	11,00	57,31	68,20
3/8	18	17,15	70	20	12,0	9,0	13,9	14,50	69,74	81,62
1/2	14	21,34	80	26	16,0	12,0	18,1	17,90	86,02	101,09
3/4	14	26,67	100	26	20,0	16,0	18,6	23,20	133,98	158,40
1"	11,5	33,40	110	32	25,0	20,0	22,3	29,00	188,87	218,68

Materiali / Application: nudi / naked: P1 - P2 - P3 - P4 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8
ST: P1 - P2 - P3 - P4 / M1 - M2 - M3 / N2 - N3 / N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco "C"

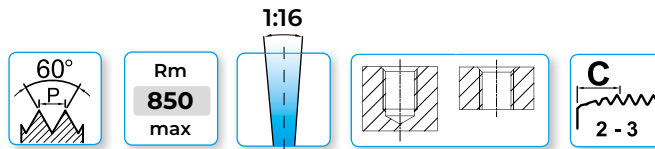
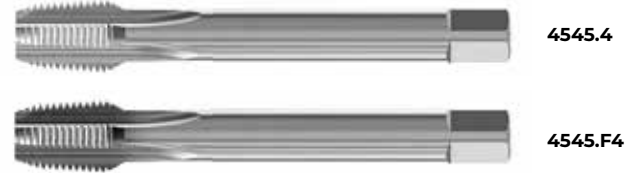
Filettatura ANSI/ASME B1.20.3 - **NPTF** conica per tubi - Conicità 1:16 - "Dry Seal"

MACHINE TAPS HSSE M35 5%Co

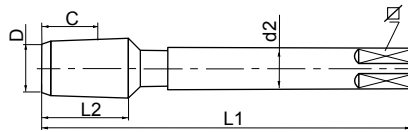
STRAIGHT FLUTES - Chamfer form "C"


ANSI/ASME B1.20.3 - American tapered pipe thread **NPTF** - Taper 1:16 - "Dry Seal"

 HSSE



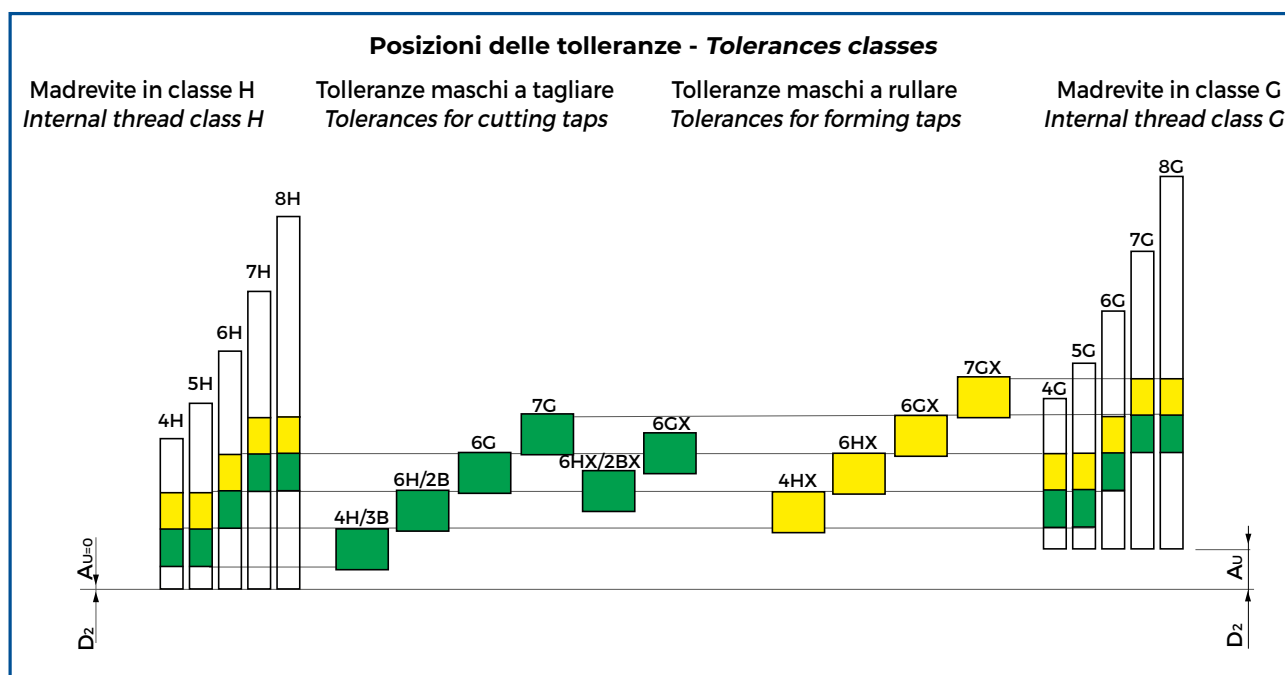
NORMA DI FABBRICA - FIUM NORM



NORMA DI FABBRICA									4545.4	4545.F4
D	filetti x 1" TPI	∅ mm	L ₁	L ₂	d ₂	∠	C			HPC
1/8	27	10,29	90	13	7,0	5,5	9,3	8,45	54,78	73,15
1/4	18	13,72	100	20	11,0	9,0	13,5	10,90	63,36	94,82
3/8	18	17,15	110	20	12,0	9,0	13,9	14,30	77,99	107,14
1/2	14	21,34	125	26	16,0	12,0	18,1	17,60	99,88	146,74
3/4	14	26,67	140	26	20,0	16,0	18,6	23,00	158,40	-
1"	11,5	33,40	160	32	25,0	20,0	22,3	28,75	219,34	-
Altre dimensioni su richiesta / Other dimensions on demand										
Materiali / Application: nudi / naked: P1 - P2 - P3 - P4 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8 HPC: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K2 - K3 - K4 / N3 - N4 / N7 - N8										

**CLASSI DI TOLLERANZA DEI MASCHI
IN FUNZIONE DI QUELLA DELLE MADREVITI DA ESEGUIRE**
**TAPS TOLERANCE CLASSES
ACCORDING TO THAT OF THE NUTS TO CREATE**

Maschio - Tap			Madrevite - Internal thread				Accoppiamento - Fit	
ISO	DIN	ANSI/ASME	4H	5H				
ISO 1	4H	3B	4H	5H			Senza gioco <i>Without allowance</i>	
ISO 2	6H	2B	4G	5G	6H		Con gioco standard <i>Standard fit</i>	
ISO 3	6C	1B			6G	7H	8H	Con gioco speciale <i>Special fit with allowance</i>
	7C					7C	8C	Largo per successive galvaniche <i>Loose fit for galvanic treatments</i>



Scelta delle classi di tolleranza del maschio in funzione di quella della madrevite da eseguire
Choice of tap tolerance classes according to that of the internal thread to create

Le corrispondenze indicate in tabella hanno, tuttavia, solo valore indicativo poiché la precisione della maschiatura dipende da diversi altri fattori quali : materiale da lavorare, condizioni della macchina utensile e dei suoi accessori, trascinamento del maschio, velocità di taglio, lubrificante, ecc.

Si raccomanda pertanto di scegliere in ogni caso la classe di maschi più adatta all'esecuzione della madrevite desiderata, controllando regolarmente i pezzi filettati.

The correspondences indicated in the table are, however, only indicative since the accuracy of the tapping depends on various other factors such as: material to be machined, conditions of the machine tool and its accessories, dragging of the tap, cutting speed, lubricant, etc.

It is therefore recommended to choose, in any case, the most suitable class of taps for the execution of the desired nut, regularly checking the threaded pieces.



BSW-PG-Tr-EG

BSW

PG

Tr

EG

MASCHI A MANO - HAND TAPS

MASCHI A MANO in serie di 3 pezzi HSS M2
Filettatura **Whitworth BSW** a norma BS 84



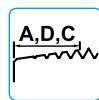
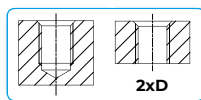
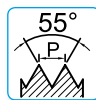
HAND TAPS set of 3 HSS M2

British Standard **Whitworth Thread BSW Norm BS 84**

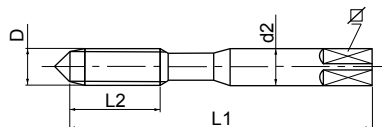
HSS



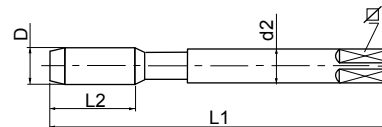
1435



DIN 352



DIN 352



D	filetti x 1" TPI	DIN 352					1435			1435.1
		L ₁	L ₂	d ₂	□		serie / set	finitore / 3 rd	serie / set Filettatura SINISTRA LEFT Hand	
1/8	40	40	9	3,5	2,7	2,50	58,57	26,51	*	
5/32	32	45	14	4,5	3,4	3,20	58,57	-	*	
3/16	24	50	13	6,0	4,3	3,60	58,57	26,51	*	
1/4	20	56	15	4,9	4,9	5,10	58,57	26,51	*	
5/16	18	63	19	6,0	4,9	6,50	62,07	26,98	*	
3/8	16	70	22	7,0	5,5	7,90	72,86	32,89	*	
7/16	14	70	22	8,0	6,2	9,20	83,66	-	*	
1/2	12	75	28	9,0	7,0	10,50	102,55	46,31	*	
9/16	12	80	30	11,0	9,0	12,00	126,84	48,62	*	
5/8	11	80	30	12,0	9,0	13,50	134,93	-	*	
3/4	10	95	34	14,0	11,0	16,50	183,51	-	*	
7/8	9	100	34	18,0	14,5	19,25	226,69	86,90	*	
1"	8	110	38	18,0	14,5	22,00	302,25	115,86	*	
1 1/8	7	125	45	22,0	18,0	24,75	520,06	-	-	
1 1/4	7	125	45	22,0	18,0	28,00	578,44	-	-	
1 1/2	6	150	55	28,0	22,0	33,50	*	-	-	

* Prezzo e disponibilità a richiesta / Price and delivery time on demand

Altre dimensioni su richiesta / Other dimensions on demand

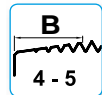
Materiali / Application: P1 - P2 - P3 - P4 / M1 - M2 - M3 / K1 - K4 / N1 - N2 - N3 - N4 / N6 - N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

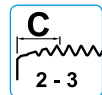
MASCHI A MACCHINA **HSSE M35 5%Co**
Filettatura **Whitworth BSW** a norma BS 84

MACHINE TAPS **HSSE M35 5%Co**
British Standard **Whitworth Thread BSW** Norm BS 84

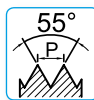
 HSSE



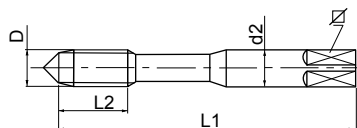
4533.1



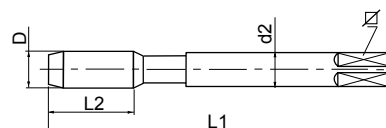
4534.3



DIN 371 ≤ 1/4



DIN 376 ≥ 3/8



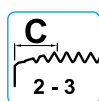
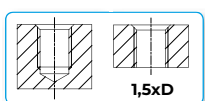
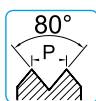
DIN 371 / DIN 376							4533.1	4534.3
D	filetti x 1" TPI	L ₁	L ₂	d ₂			Tagli diritti Imbocco Corretto Straight flutes Gun nose	Elica destra 40° Right helix 40°
1/8	40	56	10	3,5	2,7	2,50	36,19	39,49
1/4	20	80	16	7,0	5,5	5,10	36,19	39,49
3/8	16	100	20	7,0	5,5	7,90	42,24	48,40
1/2	12	110	25	9,0	7,0	10,50	55,88	60,83
3/4	10	125	32	14,0	11,0	16,50	90,64	100,98
1"	8	160	36	18,0	14,5	22,00	154,22	168,30
Altre dimensioni su richiesta / Other dimensions on demand								
Materiali / Application: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7								

MASCHI A MACCHINA - MACHINE TAPS

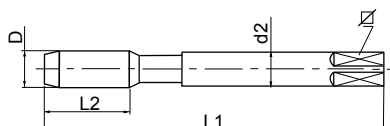
MASCHI A MACCHINA **HSSE M35 5%Co**
SCANALATURE DIRITTE - Imbocco "C"
 Filettatura **PG** per tubi corazzati - DIN 40430


MACHINE TAPS **HSSE M35 5%Co**
STRAIGHT FLUTES - Chamfer form "C"
PG steel conduit Thread - DIN 40430

 **HSSE**



DIN 40432



D	filetti x 1" TPI	Ø mm	DIN 40430					4555	4555.T
			L ₁	L ₂	d ₂	□			TIN
n. 7	20	12,50	70	20	9,0	7,0	11,40	60,06	76,45
n. 9	18	15,20	70	20	12,0	9,0	14,00	76,78	100,54
n. 11	18	18,60	80	22	14,0	11,0	17,25	88,00	118,91
n. 13,5	18	20,40	80	22	16,0	12,0	19,00	110,77	144,98
n. 16	18	22,50	80	22	18,0	14,5	21,25	128,70	173,80
n. 21	16	28,30	90	22	22,0	18,0	27,00	143,77	225,83
n. 29	16	37,00	100	25	28,0	22,0	35,50	254,65	364,76
° n. 36	16	47,00	140	25	36,0	29,0	45,50	443,52	638,44

° Acciaio HSS / HSS steel

Materiali / Application: **4555:** P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11
4555.T: P1 - P2 - P3 - P4 / K4 / N2 - N3 / N7 - N8 / N11

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE - Imbocco 24 filetti - **7H**

ELICA discorde 5° + guida cilindrica - Imbocco 24 filetti - **7H**

Filettatura ISO metrica **TRAPEZOIDALE** - DIN 103

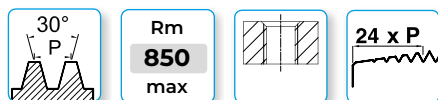
MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES - Chamfer 24 threads - **7H**

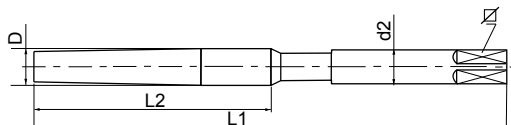
Discordant **HELIX 5° + pilot** - Chamfer 24 threads - **7H**

ISO metric **TRAPEZOIDAL** Thread - DIN 103


 HSSE



NORMA DI FABBRICA - FIUM NORM



NEW 2024

NORMA DI FABBRICA								4211.0	4211.L0	4211.1	4211.L1
D	P	L ₁	L ₂	d ₂	∠			Filettatura SINISTRA LEFT Hand		Filettatura SINISTRA LEFT Hand	
10	2	130	70	7,0	5,5	8,20	280,17	292,38	-	-	
10	3	155	95	7,0	5,5	7,50	280,17	298,54	-	-	
12	2	160	95	8,0	6,2	10,20	310,64	329,01	344,63	365,31	
12	3	160	95	8,0	6,2	9,25	310,64	329,01	344,63	365,31	
14	3	170	100	10,0	8,0	11,25	329,01	346,39	382,80	403,26	
14	4	210	130	10,0	8,0	10,50	402,05	422,84	-	-	
16	4	225	130	11,0	9,0	12,25	420,31	441,54	489,28	514,03	
18	4	225	130	12,0	9,0	14,25	490,71	515,35	571,23	599,94	
20	4	230	130	14,0	11,0	16,25	517,77	543,29	602,91	632,50	
22	5	270	160	16,0	12,0	17,25	570,68	599,50	-	-	
24	5	280	160	18,0	14,5	19,25	592,13	621,39	689,26	723,58	
26	5	280	160	20,0	16,0	21,25	608,85	639,87	-	-	
28	5	290	160	22,0	18,0	23,25	639,21	671,22	-	-	
30	6	330	190	22,0	18,0	24,25	791,89	832,15	-	-	
32	6	330	190	25,0	20,0	26,25	822,36	863,83	-	-	
36	6	350	200	28,0	22,0	30,25	899,80	945,45	-	-	

Materiali / Application: **4211.0 - 4211.L0:** P1 - P2 - P3 - P4 / K1 - K2 - K3 - K4 / N4 / N8

4211.1 - 4211.L1: P1 - P2 - P3 - P4 / K3 - K4 / N4 / N7 - N8

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE DIRITTE con IMBOCCO CORRETTO forma "B"

Filettatura ISO metrica DIN 8140-2 "EG" per filetti riportati

MACHINE TAPS **HSSE M35 5%Co**

STRAIGHT FLUTES SPIRAL POINT (GUN NOSE) - Chamfer form "B"

ISO Metric Coarse Thread DIN 8140-2 "EG" for wire thread inserts

 HSSE



4311.1



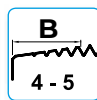
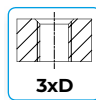
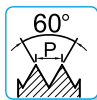
4313.1



4311.F1

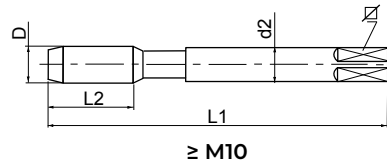
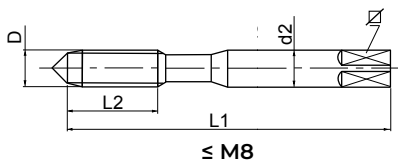


4313.F1



DIN 40435

DIN 40435



D	P	Ø mm	DIN 40435				4311.1	4313.1	4311.F1	4313.F1	
			L ₁	L ₂	d ₂	Chamfer					
3	0,5	3,65	63	13	4,5	3,4	3,15	29,48	-	41,25	-
4	0,7	4,91	70	13	6,0	4,9	4,20	29,48	-	41,25	-
5	0,8	6,04	80	16	6,0	4,9	5,25	29,48	-	41,25	-
6	1	7,30	90	18	8,0	6,2	6,30	35,86	-	51,70	-
8	1,25	9,62	100	20	10,0	8,0	8,40	38,83	-	56,54	-
10	1,5	11,95	100	22	9,0	7,0	10,50	-	52,47	-	75,35
12	1,75	14,27	110	28	11,0	9,0	12,50	-	69,74	-	98,45
16	2	18,60	125	33	14,0	11,0	16,50	-	108,79	-	144,65

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TX: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

PUNTE MASCHIO **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - Imbocco "C"

Filettatura metrica DIN 8140-2 "**EG**" per filetti riportati

MACHINE DRILL TAPS **HSSE M35 5%Co**

SPIRAL FLUTES - Chamfer form "C"

Iso Metric Coarse Thread DIN 8140-2 "**EG**" for wire thread inserts

 HSSE



4312.1



4314.1



4312.3



4314.3



4312.F3

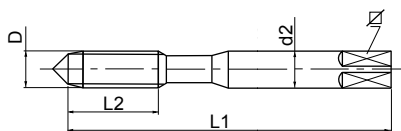


4314.F3

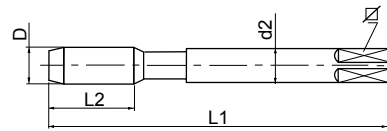


DIN 40435

DIN 40435



≤ M8



≥ M10

DIN 40435									4312.1	4314.1	4312.3	4314.3	4312.F3	4314.F3
D	P	∅ mm	L ₁	L ₂ ⁽¹⁾	d ₂				Elica destra 15° Right helix 15°	Elica destra 15° Right helix 15°	Elica destra 40° Right helix 40°	Elica destra 40° Right helix 40°	Elica destra 40° Right helix 40° TX	Elica destra 40° Right helix 40° TX
3	0,5	3,65	63	7	4,5	3,4	3,15		32,49	-	33,77	-	44,55	-
4	0,7	4,91	70	8	6,0	4,9	4,20		32,49	-	33,77	-	44,55	-
5	0,8	6,04	80	10	6,0	4,9	5,25		32,49	-	33,77	-	44,55	-
6	1	7,30	90	13	8,0	6,2	6,30		32,76	-	40,92	-	55,99	-
8	1,25	9,62	100	15	10,0	8,0	8,40		37,90	-	44,44	-	64,13	-
10	1,5	11,95	100	15	9,0	7,0	10,50		-	46,02	-	59,95	-	80,41
12	1,75	14,27	110	20	11,0	9,0	12,50		-	59,28	-	79,53	-	105,05
16	2	18,60	125	25	14,0	11,0	16,50		-	-	-	124,30	-	155,54

⁽¹⁾ lunghezza filetto elica 15° maggiore dei valori indicati / length of thread in helix 15° version larger than data indicated

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TX: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

TABELLA COMPARATIVA DELLE DUREZZE
COMPARATIVE TABLE OF HARDNESSES

HRC Rockwell	HV Vickers	HB Brinell	Resistenza Tensile strength N/mm²	HRB Rockwell	HV Vickers	HB Brinell	Resistenza Tensile strength N/mm²
20	238	226	760	49	-	92	320
21	243	231	770	51	-	94	330
22	248	237	790	54	-	-	-
23	254	243	810	55	100	100	340
24	260	247	820	56	101	101	-
25	266	253	850	57	103	103	350
26	272	258	860	58	104	104	-
27	279	264	880	59	106	106	360
28	286	271	900	60	107	107	-
29	294	279	930	61	108	108	-
30	302	286	950	62	110	110	370
31	310	294	970	63	112	112	-
32	318	301	1010	64	114	114	-
33	327	311	1030	65	116	116	385
34	336	319	1050	66	117	117	395
35	345	327	1080	67	119	119	400
36	354	336	1110	68	121	121	405
37	363	344	1140	69	123	123	415
38	372	353	1180	70	125	125	420
39	382	362	1220	71	127	127	425
40	392	371	1250	72	130	130	435
41	402	381	1300	73	132	132	440
42	412	390	1340	74	135	135	450
43	423	400	1390	75	137	137	455
44	434	409	1430	76	139	139	460
45	446	421	1480	77	141	141	470
46	458	432	1520	78	144	144	475
47	471	442	1580	79	147	147	485
48	484	455	1640	80	150	150	495
49	498	468	1700	81	153	153	505
50	513	482	1760	82	156	156	530
51	528	496	1820	83	159	159	550
52	544	512	1880	84	162	162	560
53	560	525	1950	85	165	165	565
54	577	543	2010	86	169	169	570
55	595	560	2070	87	172	172	580
56	613	577	2160	88	176	176	590
57	633	595	2240	89	180	180	605
58	653	615	2330	90	185	185	615
59	674	634	2420	91	190	190	620
60	697	654	-	92	195	195	635
61	720	670	-	93	200	200	650
62	746	688	-	94	205	205	675
63	772	706	-	95	210	210	690
64	800	722	-	96	216	216	705
65	832	739	-	97	222	222	715
66	865		-	98	228	228	750
67	900		-	99	234	234	785
68	940		-	100	240	240	800



JIS M-MF

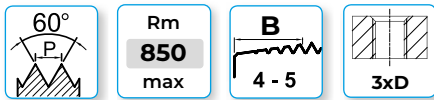
Filettatura metrica ISO – Norma JIS
ISO Metric Thread - JIS Norm

MASCHI A MACCHINA - MACHINE TAPS

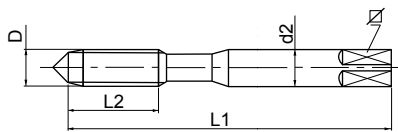
MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE con IMBOCCO CORRETTO
 Filettatura metrica ISO a passo grosso – **Norma JIS**

MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES SPIRAL POINT (GUN NOSE)
 ISO Metric Coarse Thread - **JIS Norm**

 HSSE

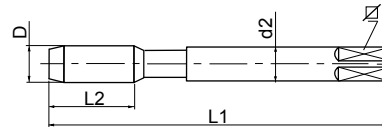


JIS Norm




≤ M6

JIS Norm



≥ M8

JIS Norm							4J11.1	4J11.V1	4J11.T1	4J11.F1
D	P	L ₁	L ₂	d ₂	∠		nudi / naked	ST	TIN	HPC
4	0,7	52	13	5,0	4,0	3,30	*	*	*	*
5	0,8	60	16	5,5	4,5	4,20	*	*	*	*
6	1	62	19	6,0	4,5	5,00	*	*	*	*
8	1,25	70	22	6,2	5,0	6,75	*	*	*	*
10	1,5	75	24	7,0	5,5	8,50	*	*	*	*
12	1,75	82	29	8,5	6,5	10,25	*	*	*	*
14	2	88	30	10,5	8,0	12,00	*	*	*	*
16	2	95	32	12,5	10,0	14,00	*	*	*	*
18	2,5	100	37	14,0	11,0	15,50	*	*	*	*
20	2,5	105	37	15,0	12,0	17,50	*	*	*	*

* Prezzo e disponibilità a richiesta / Price and delivery time on demand

Materiali / Application: **nudo / naked:** P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

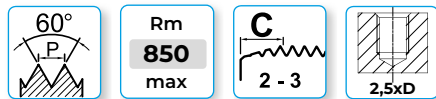
Filettatura metrica ISO a passo grosso - **Norma JIS**

MACHINE TAPS **HSSE M35 5%Co**

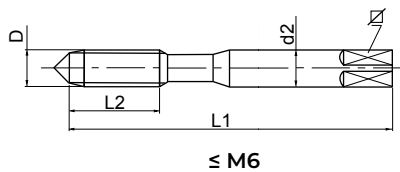
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"

ISO Metric Coarse Thread - **JIS Norm**

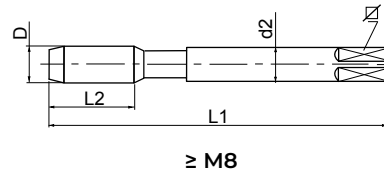
 HSSE




JIS Norm



JIS Norm



D	JIS Norm						4J12.3	4J12.V3	4J12.T3	4J12.F3
	P	L ₁	L ₂	d ₂	∠		nudi / naked	ST	TIN	HPC
4	0,7	52	13	5,0	4,0	3,30	*	*	*	*
5	0,8	60	16	5,5	4,5	4,20	*	*	*	*
6	1	62	19	6,0	4,5	5,00	*	*	*	*
8	1,25	70	22	6,2	5,0	6,75	*	*	*	*
10	1,5	75	24	7,0	5,5	8,50	*	*	*	*
12	1,75	82	29	8,5	6,5	10,25	*	*	*	*
14	2	88	30	10,5	8,0	12,00	*	*	*	*
16	2	95	32	12,5	10,0	14,00	*	*	*	*
18	2,5	100	37	14,0	11,0	15,50	*	*	*	*
20	2,5	105	37	15,0	12,0	17,50	*	*	*	*

* Prezzo e disponibilità a richiesta / Price and delivery time on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

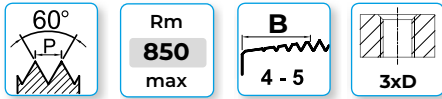
HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

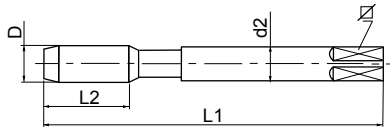
MASCHI A MACCHINA **HSSE M35 5%Co**
 SCANALATURE DIRITTE con IMBOCCO CORRETTO
 Filettatura metrica ISO a passo fine - **Norma JIS**


MACHINE TAPS **HSSE M35 5%Co**
 STRAIGHT FLUTES SPIRAL POINT (GUN NOSE)
 ISO Metric fine Thread - **JIS Norm**

 HSSE



JIS Norm



JIS Norm							4J21.1	4J21.V1	4J21.T1	4J21.F1
D	P	L ₁	L ₂	d ₂	∠		nudi / naked	ST	TIN	HPC
8	1	70	22	6,2	5,0	7,00	*	*	*	*
10	1,25	75	24	7,0	5,5	8,75	*	*	*	*
12	1,5	82	29	8,5	6,5	10,50	*	*	*	*
14	1,5	88	30	10,5	8,0	12,50	*	*	*	*
16	1,5	95	32	12,5	10,0	14,50	*	*	*	*
18	1,5	100	37	14,0	11,0	16,50	*	*	*	*
20	1,5	105	37	15,0	12,0	18,50	*	*	*	*

* Prezzo e disponibilità a richiesta / Price and delivery time on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7
 TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7
 HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

MASCHI A MACCHINA - MACHINE TAPS

MASCHI A MACCHINA **HSSE M35 5%Co**

SCANALATURE ELICOIDALI - ELICA DESTRA 40° - Imbocco "C"

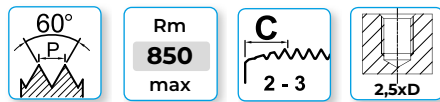
Filettatura metrica ISO a passo fine - **Norma JIS**

MACHINE TAPS **HSSE M35 5%Co**

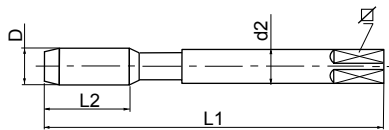
SPIRAL FLUTES - RIGHT HELIX 40° - Chamfer form "C"


ISO Metric Fine Thread - **JIS Norm**

 HSSE



JIS Norm



JIS Norm							4J22.3	4J22.V3	4J22.T3	4J22.F3
D	P	L ₁	L ₂	d ₂	∠		nudi / naked	ST	TIN	HPC
8	1	70	22	6,2	5,0	7,00	*	*	*	*
10	1,25	75	24	7,0	5,5	8,75	*	*	*	*
12	1,5	82	29	8,5	6,5	10,50	*	*	*	*
14	1,5	88	30	10,5	8,0	12,50	*	*	*	*
16	1,5	95	32	12,5	10,0	14,50	*	*	*	*
18	1,5	100	37	14,0	11,0	16,50	*	*	*	*
20	1,5	105	37	15,0	12,0	18,50	*	*	*	*

* Prezzo e disponibilità a richiesta / Price and delivery time on demand

Materiali / Application: nudo / naked: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

ST: P1 - P2 - P3 - P4 / N1 - N2 / N6 - N7

TIN: P1 - P2 - P3 - P4 / K3 - K4 / N1 - N2 - N3 / N6 - N7

HPC: P1 - P2 - P3 - P4 / M1 - M2 / K3 - K4 / N2 - N3 / N7

RICHIESTA SPECIALE

Maschi ad asportazione e maschi a rullare

CLIENTE:

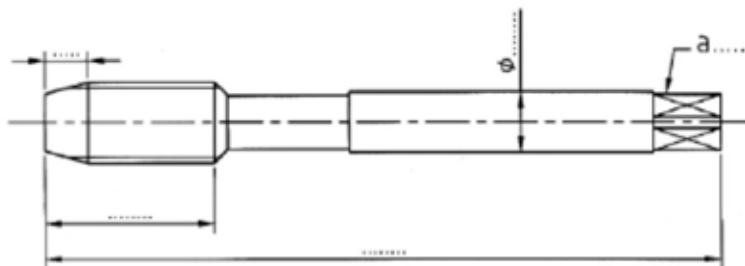
DATA:

TEL.:

COMPILATORE:

PROT.:

E-MAIL:



FORO

Foro cieco

Foro passante

FILETTATURA

Ø x Passo: _____

Toll: _____ Norma: _____

MATERIALE

Materiale: _____

Sigla: _____

Resistenza N / mm²: _____

Durezza: HB

HRC

Truciolo: Corto

Medio

Lungo

Caratteristiche particolari da aggiungere: _____

QUANTITÀ

Numero pezzi:

NOTE / PROBLEMATICHE DA SEGNALARE



Filiere - Dies

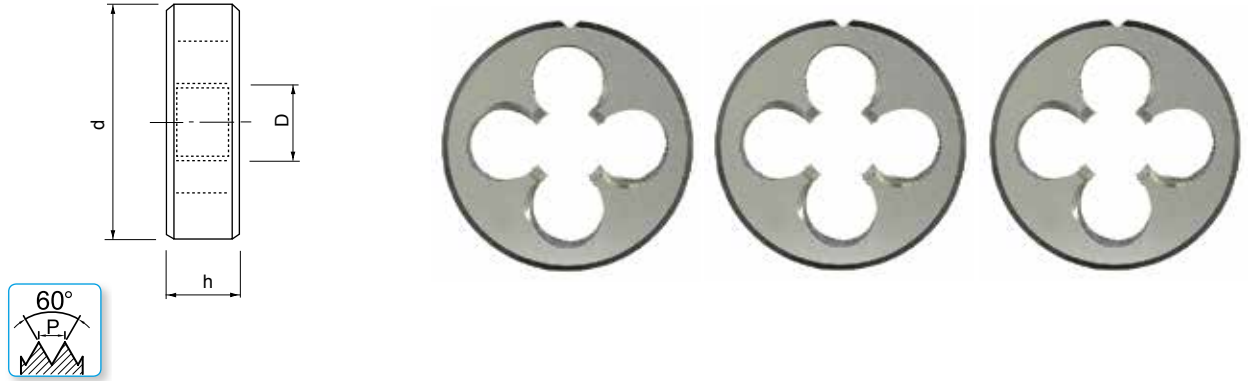
FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO

Filettatura metrica ISO/DIN 13 – UNI 4535 a passo grosso – 6g

ROUND DIES with GUN NOSE

ISO Metric Coarse Thread – UNI 4535 – DIN 13 – 6g



DIN-EN 22568				4615	4615.1	4615.E
D	P	d	h	HSS	Filettatura SINISTRA LEFT Hand	HSSE
2	0,4	16	5	32,60	42,38	-
2,2	0,45	16	5	40,75	-	-
2,5	0,45	16	5	32,60	42,38	-
2,6	0,45	16	5	32,60	-	-
3	0,5	20	5	27,72	36,04	38,81
3,5	0,6	20	5	32,60	-	-
4	0,7	20	5	27,72	36,04	38,81
4,5	0,75	20	7	27,72	-	-
5	0,8	20	7	27,72	36,04	38,81
6	1	20	7	27,72	36,04	38,81
7	1	25	9	30,35	39,46	-
8	1,25	25	9	30,35	39,46	42,49
9	1,25	25	9	30,35	39,46	-
10	1,5	30	11	37,92	49,30	53,09
11	1,5	30	11	37,92	49,30	-
12	1,75	38	14	51,32	66,71	76,97
14	2	38	14	51,32	66,71	76,97
16	2	45	18	72,66	94,45	108,99
18	2,5	45	18	72,66	94,45	108,99
20	2,5	45	18	72,66	94,45	108,99
22	2,5	55	22	110,83	144,08	166,25
24	3	55	22	110,83	144,08	166,25
27	3	65	25	156,33	203,23	234,49
30	3,5	65	25	156,33	203,23	234,49
33	3,5	65	25	156,33	203,23	*
36	4	65	25	156,33	203,23	*
39	4	75	30	214,03	278,24	*
42	4,5	75	30	214,03	278,24	*
45	4,5	90	36	377,36	490,57	*
48	5	90	36	377,36	490,57	*
52	5	90	36	377,36	490,57	*
56	5,5	105	36	*	-	-
60	5,5	105	36	*	-	-
64	6	105	36	*	-	-
68	6	105	36	*	-	-

Altre dimensioni su richiesta / Other dimensions on demand

* Prezzo e disponibilità a richiesta / Price and delivery time on request

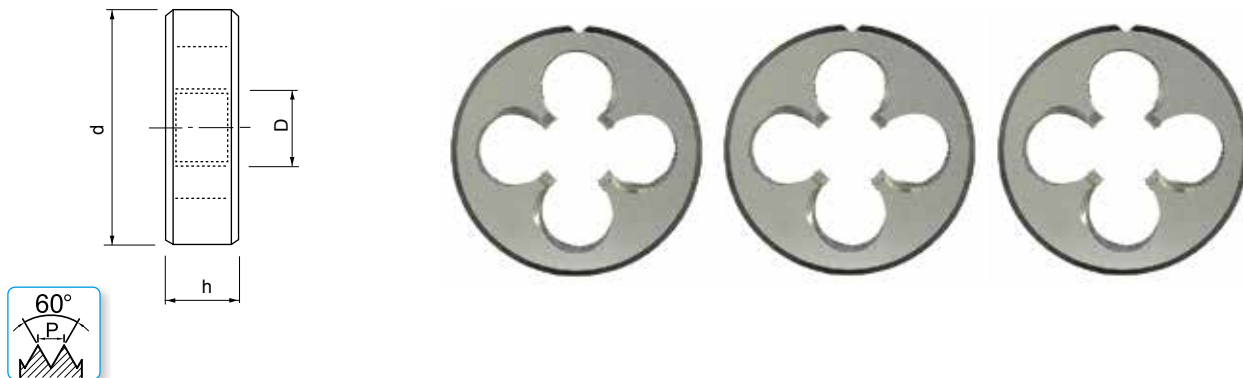
FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6g

ROUND DIES with GUN NOSE

ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6g



DIN-EN 22568				4625	4625.1	4625.E
D	P	d	h	HSS	Filettatura SINISTRA LEFT Hand	HSSE
3	0,35	20	5	31,42	*	*
3,5	0,35	20	5	*	*	-
4	0,5	20	5	27,72	36,04	28,28
4,5	0,5	20	5	31,41	*	-
5	0,5	20	5	27,72	36,04	28,28
6	0,75	20	7	27,72	36,04	28,28
7	0,75	25	9	30,41	39,54	*
8	0,75	25	9	34,48	44,83	*
8	1	25	9	30,41	39,54	31,02
9	0,75	25	9	34,48	*	*
9	1	25	9	30,41	39,54	*
10	0,75	30	11	42,93	55,81	*
10	1	30	11	37,92	49,30	43,79
10	1,25	30	11	37,92	49,30	38,68
11	1	30	10	37,92	49,30	*
11	1,25	30	10	37,92	*	*
12	1	38	10	58,20	75,66	59,36
12	1,25	38	10	51,32	66,71	52,34
12	1,5	38	10	51,32	66,71	52,34
13	1	38	10	56,45	*	*
13	1,5	38	10	56,45	*	*
14	1	38	10	58,20	75,66	59,36
14	1,25	38	10	51,32	66,71	52,34
14	1,5	38	10	51,32	66,71	52,34
15	1	38	10	56,45	*	*
15	1,5	38	10	56,45	*	*
16	1	45	14	82,36	107,06	84,00
16	1,25	45	14	82,36	*	*
16	1,5	45	14	72,66	94,44	74,11
18	1	45	14	82,36	107,06	84,00
18	1,5	45	14	72,66	94,45	74,11
18	2	45	14	72,66	94,45	74,11
20	1	45	14	82,36	107,06	84,00
20	1,5	45	14	72,66	94,45	74,11
20	2	45	14	72,66	94,45	74,11
22	1	55	16	125,79	*	*
22	1,5	55	16	110,83	*	*
22	2	55	16	110,83	*	*

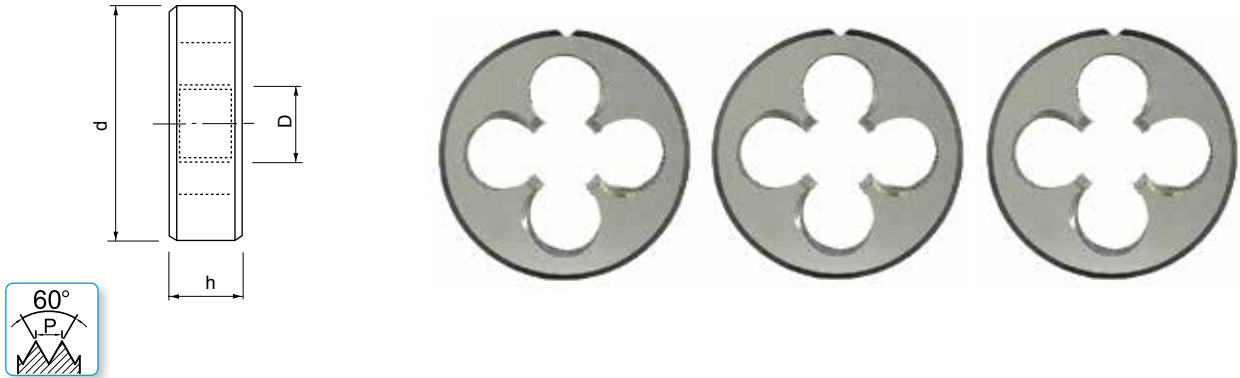
Altre dimensioni su richiesta / Other dimensions on demand

* Prezzo e disponibilità a richiesta / Price and delivery time on request

FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO
Filettatura metrica ISO/DIN 13 – UNI 4535 a passo fine – 6g

ROUND DIES with GUN NOSE
ISO Metric Fine Thread – UNI 4535 – DIN 13 – 6g



DIN-EN 22568				4625	4625.1	4625.E
D	P	d	h	HSS	Filettatura SINISTRA LEFT Hand	HSSE
24	1	55	16	125,79	*	*
24	1,5	55	16	125,79	163,52	182,39
24	2	55	16	110,83	*	*
25	1	55	16	121,91	-	-
25	1,5	55	16	121,91	*	-
25	2	55	16	121,91	*	-
26	1	55	16	121,91	-	-
26	1,5	55	16	121,91	*	-
26	2	55	16	121,91	*	-
27	1	65	18	177,10	*	-
27	1,5	65	18	177,10	*	-
27	2	65	18	156,33	*	-
28	1	65	18	177,10	*	-
28	1,5	65	18	177,10	*	-
28	2	65	18	177,10	*	-
30	1	65	18	177,10	*	-
30	1,5	65	18	177,10	*	-
30	2	65	18	156,33	*	-
32	1	65	18	177,10	-	-
32	1,5	65	18	177,10	*	-
32	2	65	18	177,10	*	-
33	1	65	18	177,10	*	-
33	1,5	65	18	177,10	*	-
33	2	65	18	156,33	*	-
34	1	65	18	171,96	-	-
34	1,5	65	18	171,96	*	-
35	1	65	18	171,96	-	-
35	1,5	65	18	177,10	*	-
35	2	65	18	177,10	*	-
36	1,5	65	18	177,10	*	-
36	2	65	18	177,10	*	-
36	3	65	25	177,10	*	-
38	1	75	20	242,50	-	-
38	1,5	75	20	242,50	-	-
38	2	75	20	242,50	-	-
39	1,5	75	20	242,50	-	-
39	2	75	20	242,50	-	-
39	3	75	30	214,03	-	-

Altre dimensioni su richiesta / Other dimensions on demand

* Prezzo e disponibilità a richiesta / Price and delivery time on request

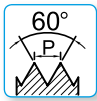
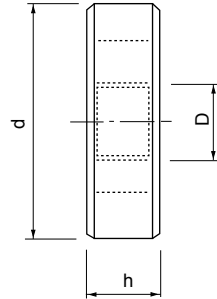
FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO

Filettatura metrica ISO/DIN 13 - UNI 4535 a passo fine - 6g

ROUND DIES with GUN NOSE

ISO Metric Fine Thread - UNI 4535 - DIN 13 - 6g



DIN-EN 22568				4625
D	P	d	h	HSS
40	1,5	75	20	242,50
40	2	75	20	242,50
40	3	75	30	242,50
42	1,5	75	20	242,50
42	2	75	20	242,50
42	3	75	30	214,03
45	1,5	90	22	433,69
45	2	90	22	433,69
45	3	90	36	377,36
48	1,5	90	22	433,69
48	2	90	22	433,69
48	3	90	36	377,36
50	1,5	90	22	433,69
50	2	90	22	433,69
50	3	90	36	433,69
52	1,5	90	22	433,69
52	2	90	22	433,69
52	3	90	36	377,36
55	1,5	105	22	*
55	2	105	22	*
55	3	105	36	*
56	1,5	105	22	*
56	2	105	22	*
56	3	105	36	*
56	4	105	36	*
58	1,5	105	22	*
58	2	105	22	*
58	3	105	36	*
60	1,5	105	22	*
60	2	105	22	*
60	3	105	36	*
60	4	105	36	*
63	1,5	105	22	*
64	1,5	120	22	*
64	2	120	22	*
64	3	120	36	*
64	4	120	36	*

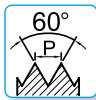
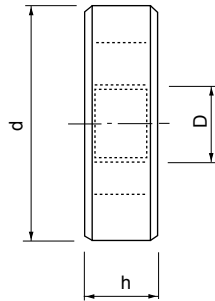
Altre dimensioni su richiesta / Other dimensions on demand

* Prezzo e disponibilità a richiesta / Price and delivery time on request

FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO
Filettatura **UNC** a passo grosso ASME B1.1 - 2A

ROUND DIES with GUN NOSE
UNC Coarse Thread ASME B1.1 - 2A



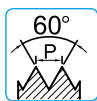
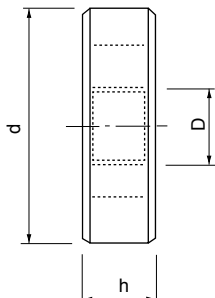
DIN-EN 22568					4665	4665.1
D	filetti x 1" TPI	d	h	Ø mm	HSS	Filettatura SINISTRA LEFT Hand
n. 4	40	20	5	2,845	40,55	*
n. 5	40	20	5	3,175	38,68	*
n. 6	32	20	5	3,505	38,68	*
n. 8	32	20	7	4,166	38,68	*
n. 10	24	20	7	4,826	38,68	*
n. 12	24	20	7	5,486	38,68	*
1/4	20	25	9	6,350	29,10	*
5/16	18	25	9	7,938	31,92	*
3/8	16	30	11	9,525	39,80	*
7/16	14	30	11	11,113	39,80	*
1/2	13	38	14	12,700	53,88	*
9/16	12	38	14	14,287	53,88	*
5/8	11	45	18	15,876	76,22	*
3/4	10	45	18	19,050	76,22	*
7/8	9	55	22	22,225	116,40	*
1"	8	55	22	25,400	116,40	*
1 1/8	7	65	25	28,575	164,03	-
1 1/4	7	65	25	31,750	164,03	-
1 3/8	6	65	25	34,925	164,03	-
1 1/2	6	75	30	38,100	224,54	-
1 3/4	5	90	36	44,450	*	-
2"	4,5	90	36	50,800	*	-

* Prezzo e disponibilità a richiesta / Price and delivery time on request

FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO
Filettatura **UNF** a passo fine ASME B1.1 - 2A

ROUND DIES with GUN NOSE
UNF Fine Thread ASME B1.1 - 2A



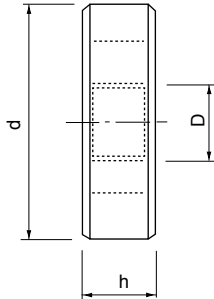
DIN-EN 22568					4675	4675.1
D	filetti x 1" TPI	d	h	Ø mm	HSS	Filettatura SINISTRA LEFT Hand
n. 4	48	20	5	2,845	40,55	*
n. 5	44	20	5	3,175	38,68	*
n. 6	40	20	5	3,505	38,68	*
n. 8	36	20	7	4,166	38,68	*
n. 10	32	20	7	4,826	38,68	*
n.12	28	20	7	5,486	38,68	*
1/4	28	25	9	6,350	29,10	*
5/16	24	25	9	7,938	31,92	*
3/8	24	30	11	9,525	39,80	*
7/16	20	30	11	11,113	53,88	*
1/2	20	38	10	12,700	53,88	*
9/16	18	38	10	14,287	76,22	*
5/8	18	45	14	15,876	76,22	*
3/4	16	45	14	19,050	116,40	*
7/8	14	55	16	22,225	116,40	*
1"	12	55	16	25,400	164,03	*
1"1/8	12	65	18	28,575	164,03	-
1"1/4	12	65	18	31,750	164,03	-
1"3/8	12	65	18	34,925	164,03	-
1"1/2	12	75	20	38,100	224,54	-

* Prezzo e disponibilità a richiesta / Price and delivery time on request

FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO
Filettatura ISO 228/1 - GAS cilindrica BSP

ROUND DIES with GUN NOSE
ISO 228/1 - Whitworth pipe thread BSP



D	DIN-EN 24231				4645	4645.1	4645.E
	filetti x 1" TPI	d	h	Ø mm	HSS	Filettatura SINISTRA LEFT Hand	HSSE
1/8	28	30	11	9,728	47,56	*	71,34
1/4	19	38	10	13,157	47,56	*	71,34
3/8	19	45	14	16,662	67,27	*	100,91
1/2	14	45	14	20,955	67,27	*	100,91
5/8	14	55	16	22,911	102,70	*	-
3/4	14	55	16	26,441	102,70	*	154,04
7/8	14	65	18	30,201	144,69	*	-
1"	11	65	18	33,249	144,69	*	217,03
1"1/4	11	75	20	41,910	198,13	*	-
1"1/2	11	90	22	47,803	377,36	*	-
1"3/4	11	105	22	53,746	623,06	*	-
2"	11	105	22	59,614	623,06	*	-
2"1/4	11	120	22	65,710	*	-	-
2"1/2	11	120	22	75,184	*	-	-
3"	11	140	25	87,884	*	-	-

* Prezzo e disponibilita a richiesta / Price and delivery time on request

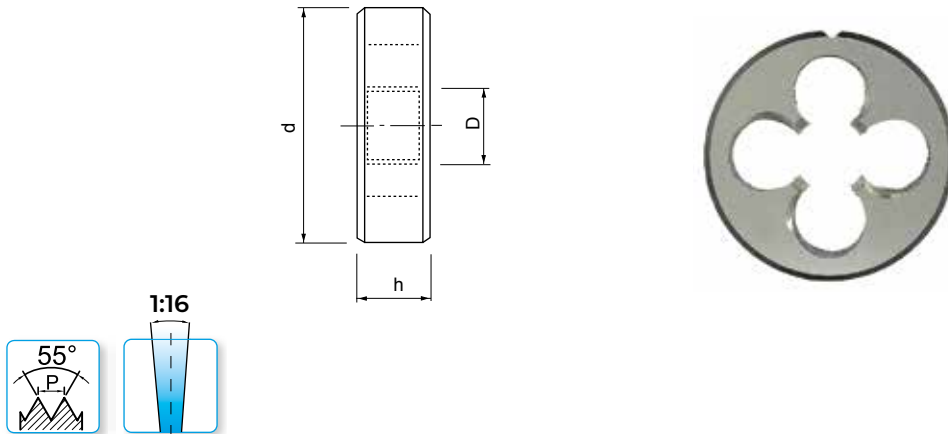
FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO

Filettatura ISO 7/1 - Gas conica **BSPT**, conicità **1:16**

ROUND DIES with GUN NOSE

ISO 7/1 - Tapered pipe thread **BSPT**, taper **1:16**



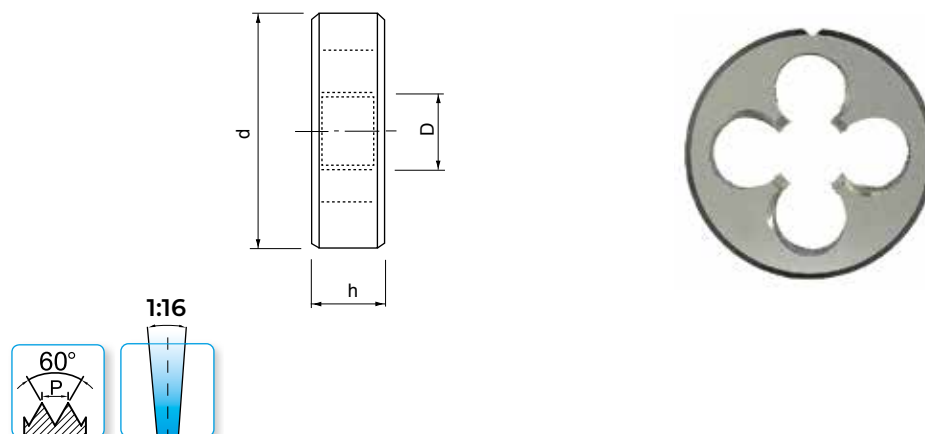
DIN-EN 24230					4645.2
D	filetti x 1" TPI	d	h	Ø mm	HSS
1/8	28	30	11,5	9,728	60,39
1/4	19	38	13	13,157	71,34
3/8	19	45	15	16,662	100,94
1/2	14	45	19	20,955	100,94
3/4	14	65	22	26,441	154,01
1"	11	65	25,5	33,249	217,16
1"1/4	11	75	28,5	41,910	297,14
1"1/2	11	90	28,5	47,803	489,95
2"	11	105	31,5	59,614	707,36

Altre dimensioni su richiesta / Other dimensions on demand

FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO
Filettatura americana conica **NPT**, conicità **1:16**

ROUND DIES with **GUN NOSE**
American tapered pipe thread NPT, taper **1:16**



DIN-EN 22568					4645.3
D	filetti x 1" TPI	d	h	Ø mm	HSS
1/16	27	25	10	7,938	*
1/8	27	30	10	9,728	60,39
1/4	18	38	15	13,157	71,34
3/8	18	45	15,3	16,662	100,94
1/2	14	45	20	20,955	100,94
3/4	14	55	20,2	26,441	154,01
1"	11,5	65	25	33,249	217,16
1"1/4	11,5	75	25,6	41,910	297,14
1"1/2	11,5	90	26	47,803	489,95
2"	11,5	105	26,9	59,614	707,36

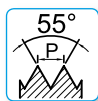
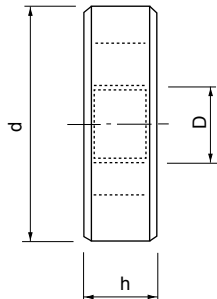
* Prezzo a richiesta / Price on demand

FILIERE TONDE - ROUND DIES

FILIERE TONDE con IMBOCCO CORRETTO
Filettatura **Whitworth BSW** - norma BS 84

ROUND DIES with GUN NOSE

British Standard Whitworth Thread BSW - BS 84 norm



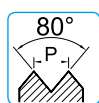
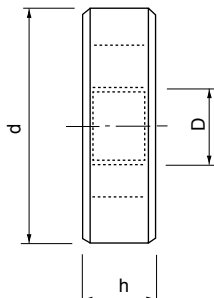
		DIN-EN 22568			4635	4635.1
D	filetti x 1" TPI	d	h	Ø mm	HSS	Filettatura SINISTRA LEFT Hand
1/8	40	20	5	3,175	37,29	*
5/32	32	20	5	3,969	37,29	*
3/16	24	20	7	4,762	37,29	*
1/4	20	20	9	6,350	40,04	*
5/16	18	25	9	7,938	41,76	*
3/8	16	30	11	9,525	46,23	*
7/16	14	30	11	11,113	46,23	*
1/2	12	38	14	12,700	63,06	*
9/16	12	38	14	14,287	63,06	*
5/8	11	45	18	15,876	91,40	*
3/4	10	45	18	19,050	91,40	*
7/8	9	55	22	22,225	136,75	*
1"	8	55	22	25,400	136,75	*
1"1/8	7	65	25	28,575	*	-
1"1/4	7	65	25	31,750	*	-
1"3/8	6	65	25	34,925	*	-
1"1/2	6	75	30	38,100	*	-

* Prezzo e disponibilità a richiesta / Price and delivery time on request

FILIERE TONDE - *ROUND DIES*

FILIERE TONDE con IMBOCCO CORRETTO
Filettatura PG per tubi corazzati - DIN 40430

ROUND DIES with GUN NOSE
PG steel conduit Thread - DIN 40430



DIN-EN 40434					4655
D	filetti x 1" TPI	d	h	∅ mm	HSS
n. 7	20	38	14	12,50	99,27
n. 9	18	38	14	15,20	99,27
n. 11	18	45	14	18,60	108,43
n. 13,5	18	45	14	20,40	108,43
n. 16	18	55	16	22,50	216,87
n. 21	16	65	18	28,30	249,81
n. 29	16	65	18	37,00	427,23
n. 36	16	90	22	47,00	604,64

Altre dimensioni su richiesta / *Other dimensions on demand*

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Condizioni Generali di Vendita

General Terms of Delivery

La merce si intende franco nostro magazzino di Robecco sul Naviglio.

La merce viaggia a rischio e pericolo del committente anche se per speciali accordi viene spedita in porto franco con addebito in fattura del costo della spedizione.

I termini di consegna non sono mai impegnativi e la mancata consegna di parte o di tutta l'ordinazione non può dar luogo ad alcuna rivalsa di danni verso la nostra ditta, salvo diverse pattuizioni scritte, regolarmente accettate e controfirmate.

La severità dei nostri controlli permette ai nostri utensili di essere esenti da vizi di fabbricazione. Se tuttavia, a seguito di situazioni non dipendenti dalla nostra volontà, si dovesse riscontrare un difetto su uno dei nostri utensili, la nostra garanzia si limiterà unicamente alla sostituzione dell'utensile stesso una volta da noi riconosciuto come difettoso.

Relativamente ad eventuali pezzi mancanti nella spedizione, nessun reclamo potrà essere accolto dopo 8 giorni dalla data di spedizione.

Analogamente non si accettano resi di merce decorsi 8 giorni dalla data di spedizione e, comunque, non si accettano resi se non precedentemente concordati e solo per merce non conforme a quanto ordinato.

Si riconoscono solo pagamenti fatti contro nostra R.I.BA. o con bonifici anticipati.

I prezzi del presente listino annullano i precedenti e possono venire variati, senza preavviso, a seconda delle condizioni di mercato.

Per qualsiasi controversia è competente il solo Foro di Milano.

Deliveries are made ex works from our stock in Robecco sul Naviglio at customer's risk even if, for special agreements, they can be arranged with carriage and insurance paid to the place of destination by F.I.U.M. srl and exposed on the invoice.

Delivery time is purely indicative : deliveries are made as promptly as possible and if, however, an unforeseen delivery delay occurs, this doesn't authorize the customer to cancel the order or to claim for damages, except for different agreements accepted and countersigned.

The severity of our checks allows our tools to be free from manufacturing defects. However, because of situations beyond our control, if a defect could be found on one of our tools, our guarantee will be limited to the replacement of the tool itself once recognized by us as defective. Regarding any missing pieces in the shipment, no claim can be accepted after 8 days from the shipment date.

Similarly, returns of goods are not accepted after 8 days from the date of shipment and, in any case, returns are not accepted unless previously agreements and only for goods that are not conform to what was ordered.

Prices of this catalogue cancel the old ones and they can be changed, without notice, in rapport to the conditions of the market.

For all legal matters the Court of Milan is the only valid domicile.



FIUM^{s.r.l.}

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