























Maschi a mano HSS, HSS-E

									
	Format	Format	Format	Format	Format	Format	Format	Format	Format
Passo	M (serie)	M	M	M	M	M-LH (serie)	MF (serie)	G (serie)	G
Codice	A05604	A05600	A05601	A05603	A05618	A05612	A05627	A05640	A05638
Gamma filetti	M1÷M30	M1÷M30	M1÷M30	M1÷M30	M2÷M20	M3÷M20	M2x0,25 ÷M52x2	G1/8x28 ÷G2x11	G1/8x28 ÷G2x11
Materiale	HSS	HSS	HSS	HSS	HSS-E	HSS	HSS	HSS	HSS
Tipo	N	N	N	N	INOX	N	N	N	N
Rivestimento									
Pagina	86	86	86	86	88	89	89	90	90

	●	●	●	●	●	●	●	●	●
	◐	●	●	●	◐	◐	◐	◐	◐
	○	○	○	○	○	○	○	○	○
	○	○	○	○	○	○			
									
									
									
									
	●	●	●	●	●	●	●	◐	◐
	○	○	○	○	○	○	○	○	○
	◐	◐	◐	◐	◐	◐	◐	◐	◐
	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●

● Raccomandato ◐ Adatto ○ Possibile



Frese in metallo duro • Frese per stampi • Fresatura modulare • Seghe circolari • Seghe a tazza • Lame • Barrette • Frese ad inserti • Punte ad inserti • Inserti e ricambi • Portainseri per filettare, troncare e scanalare • Godronatura • Brocciatura/Stozzatura • Utensili saldobrasati • Lubrorefrigeranti e sistemi

Maschi a mano HSS

Maschi a macchina HSS-E

	Format	Format	Format	Format	Tkn	Tkn	Format	Format	Tkn	Tkn	Tkn
Passo	G	BSW (serie)	UNC (serie)	UNF (serie)	M	M	M	M	M	M	M
Codice	A05639	A05635	A05647	A05650	A05040	A05050	A05750	A05679	A05092	A05093	A05042
Gamma filetti	G1/8x28 ÷G2x11	W1/8x40 ÷W1x8	UNC N°1x64 ÷UNC 1x8	UNF N°0x80 ÷UNF 1x12	M2÷M10	M12÷M36	M3÷M20	M3÷M30	M3÷M10	M12÷M20	M2÷M10
Materiale	HSS	HSS	HSS	HSS	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM
Tipo	N	N	N	N	N	N	N	N	N	N	N
Rivestimento											TIN
Pagina	90	91	92	93	94	94	95	96	96	96	97














Acciaio <850 N/mm²	●	●	●	●	●	●	●	●	●	●	●
Acciaio >850 <1000 N/mm²	●	●	●	●	●	●	●	●	●	●	●
Acciaio >1000 <1400 N/mm²	○	○	○	○			●	●	●	●	●
Acciaio <42 HRC											
Acciaio >42 <52 HRC											
Acciaio >52 <56 HRC											
Acciaio >56 <60 HRC											
Acciaio >60 HRC											
Acciaio INOX	●	●	●	●				●	●	●	●
Leghe di Titanio	○	○	○	○							
Ghisa	●	●	●	●				●	●	●	●
Alluminio e leghe	●	●	●	●	●	●	●	●	●	●	●
Rame Ottone Bronzo	●	●	●	●	●	●		●	●	●	●

● Raccomandato ● Adatto ○ Possibile

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MASCHI

Maschi a macchina HSS-E

													
	Tkn	Format	Format	Tkn	Tkn	Tkn	Tkn	Tkn	Tkn	Tkn	Tkn	Tkn	Format
Passo	M	M-LH	M-LH	M	M	M	M	M	M	M	M	M	M
Codice	A05052	A05737	A05724	A05100	A05110	A05120	A05130	A05094	A05095	A05122	A05132	A05085	A05683
Gamma filetti	M12÷M20	M3÷M20	M3÷M20	M2÷M10	M12÷M20	M2÷M10	M12÷M30	M3÷M10	M12÷M20	M3÷M10	M12÷M20	M3÷M12	M2÷M30
Materiale	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E	HSS-E
Tipo	N	N	N	N	N	NR	NR	N	N	N	N	N	N
Rivestimento	TIN									TIN	TiN	TIN	
Pagina	97	98	98	99	99	100	100	101	101	101	101	102	103

	●	●	●	●	●	●	●	●	●	●	●	●	●
	●	◐	◐	○	○	◐	◐	●	●	●	●	●	●
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	●			○	○			◐	◐	●	●		◐
													
	●			◐	◐			◐	◐	●	●	◐	◐
	●	●	●					●	●	●	●	●	◐
				◐	◐	◐	◐	◐	◐				

● Raccomandato ◐ Adatto ○ Possibile



Frese in metallo duro • Frese per stampi • Fresatura modulare • Seghe circolari • Seghe a tazza • Lame • Barrette • Frese ad inserti • Punte ad inserti • Inserti e ricambi • Portainseri per filettare, troncare e scanalare • Godronatura • Brocciatura/Stozzatura • Utensili saldobrasati • Lubrificanti e sistemi

Maschi a macchina HSS-E

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MASCHI

	Format	Format GT	Format GT	Format GT	Format	Format GT	Format GT	Format GT	Format	Format GT	Format GT	Format GT	Format GT
Passo	M	M	M	M	M	M	M	M	M	M	M	M	M
Codice	A05705	A05624	A05628	A05629	A05684	A05630	A05631	A05632	A05700	A05575	A05576	A05577	A05578
Gamma filetti	M2÷M24	M2÷M24	M2÷M24	M2÷M24	M2÷M30	M2÷M24	M2÷M24	M2÷M24	M3÷M20	M3÷M16	M6÷M10	M3÷M16	M6÷M10
Materiale	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM
Tipo	H	UNI	UNI	UNI	N	UNI	UNI	UNI	N	UNI	UNI	UNI	UNI
Rivestimento			TIN	SUPRA			TIN	SUPRA	TiN	LOTUS	LOTUS	LOTUS	LOTUS
Pagina	103	103	103	103	104	104	104	104	104	106	106	106	106

		●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●	●	●	●
					○				○				
		●	●	●		●	●	●		●	●	●	●
		●	●	●	○	●	●	●	○	●	●	●	●
		●	●	●	○	●	●	●	○	●	●	●	●
		●	●	●		●	●	●		●	●	●	●

● Raccomandato ○ Adatto ○ Possibile

Maschi a macchina HSS-E

	Tkn	Tkn	Format	Format GT	Format GT	Format GT	Format	Format GT	Format GT	Format GT	Tkn	Tkn	Format GT	Format GT	
Passo	M	M	M	M	M	M	M	M	M	M	M		M	M	
Codice	A05108	A05112	A05728	A05596	A05597	A05598	A05712	A05615	A05617	A05619	A05116	A40087	A05633	A05634	
Gamma filetti	M3÷M20	M3÷M20	M3÷M20	M2÷M24	M2÷M24	M2÷M24	M3÷M20	M2÷M24	M2÷M24	M2÷M24	M3÷M12		M2÷M24	M2÷M24	
Materiale	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E PM	VHM	HSS-E	HSS-E
Tipo	H	H	H	H	H	H	H	H	H	H	H	H	INOX	INOX	
Rivestimento	TiCN	TiCN			TiCN	CUPRIC				TiCN	CUPRIC	TiCN	A-TiAl		TiCN
Pagina	107	107	108	108	108	108	109	109	109	109	110	110	111	111	

				●	●	●	●	●	●	●			●	●	
	●	●	●	●	●	●	●	●	●	●					
												●			
											●	●			
												●			
												●			
												●			
													●	●	

● Raccomandato ● Adatto ○ Possibile



Frese in metallo duro • Frese per stampi • Fresatura modulare • Seghe circolari • Seghe a tazza • Lame • Barrette • Frese ad inserti • Punte ad inserti • Inserti e ricambi • Portainseri per filettare, troncatura e scanalatura • Godronatura • Brocciatura/Stozzatura • Utensili saldobrasati • Lubrificanti e sistemi

Maschi a macchina HSS-E

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MASCHI














	Format GT	Tkn	Format	Format	Tkn	Tkn	Tkn	Format GT	Format GT	Format GT	Tkn	Tkn	Tkn
Passo	M	M	M	M	M	M	M	M	M	M	M	M	M
Codice	A05636	A05077	A05690	A05691	A05220	A05230	A05105	A05643	A05644	A05645	A05280	A05290	A05240
Gamma filetti	M2÷M24	M2÷M30	M3÷M30	M3÷M20	M3÷M10	M12÷M20	M3÷M20	M2÷M24	M2÷M24	M2÷M24	M3÷M10	M12÷M20	M3÷M16
Materiale	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E	HSS-E	HSS-E
Tipo	INOX	N	INOX	INOX	VA	VA	N	INOX	INOX	INOX	GG	GG	W
Rivestimento	CUPRIC	TNZ					A-TiAl		TiCN	CUPRIC			
Pagina	111	111	112	112	112	112	112	113	113	113	114	114	115

		●					●						
	●	●					●	●	●	●			
		◐					●						
	●	●	●	●	●	●	●	●	●	●			
											●	●	
			◐	◐									●

● Raccomandato ◐ Adatto ○ Possibile

Maschi a macchina HSS-E

													
	Tkn	Tkn	Format	Format	Tkn	Format	Tkn	DC Swiss	DC Swiss	Format	Format GT	Format	Format GT
Passo	M	M	M	MF	MF	MF	MF	MF	MF	MF	MF	MF	MF
Codice	A05123	A05260	A05734	A05753	A05275	A05755	A05015	A05805	A05810	A05736	A05569	A05741	A05570
Gamma filetti	M3÷M16	M2÷M12	M3÷M10	M3x0,35 ÷ M30x1,5	M8x1 ÷ M20x1,5	M4x0,5 ÷ M30x1,5	M8x1 ÷ M20x1,5	M4x0,5 ÷ M30x2	M6x0,5 ÷ M30x1,5	M3x0,35 ÷ M30x1,5	M2x0,25 ÷ M24x1,5	M5x0,5 ÷ M30x1,5	M2x0,25 ÷ M24x1,5
Materiale	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E PM	HSS-E	HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
Tipo	H	W	MS	N	N	N	N	N	N	N	UNI	N	UNI
Rivestimento	TiCN				TiN		TiN						
Pagina	115	115	115	116	116	117	117	118	118	119	119	119	119

				●	●	●	●	○		●	●	●	●
				●	●	●	●			●	●	●	●
				●	●	●	●			●		●	
													
													
													
													
													
					●		●			●	●		●
	●												
					●		●	●		●	●	●	●
		●		●	●	●	●	○	●	●	●	●	●
			●					●	●				

● Raccomandato ● Adatto ○ Possibile



Frese in metallo duro • Frese per stampi • Fresatura modulare • Seghe circolari • Seghe a tazza • Lame • Barrette • Frese ad inserti • Punte ad inserti • Inserti e ricambi • Portainseri per filettare, troncatura e scanalatura • Godronatura • Brocciatura/Stozzatura • Utensili saldobrasati • Lubrorefrigeranti e sistemi

Maschi a macchina HSS-E

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MASCHI














	Format GT	Format GT	Format GT	Tkn	Format	Format GT	Format	Tkn	Format	Format	Tkn	Format
Passo	MF	MF	MF	MF	MF	MF	G	G	G	G	G	UNC
Codice	A05573	A05574	A05571	A05005	A05759	A05572	A05763	A05025	A05765	A05766	A05035	A05768
Gamma filetti	M2x0,25 ÷M24x1,5	M2x0,25 ÷M24x1,5	M2x0,25 ÷M24x1,5	M6x0,75 ÷M24x1,5	M3x0,35 ÷M24x1,5	M2x0,25 ÷M24x1,5	G1/8x28 ÷G1.1/2x11	G1/8x28 ÷G1x11	G1/8x28 ÷G1.1/2x11	G1/8x28 ÷G1x11	G1/8x28 ÷G1x11	UNC N°2x56 ÷UNC 1x8
Materiale	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
Tipo	H	H	INOX	N	INOX	INOX	N	N	N	INOX	N	N
Rivestimento				TNZ								
Pagina	120	120	121	121	121	121	122	122	122	122	122	123

				●			●	●	●		●	●
	●	●	●	●		●	●	●	●		●	●
	●	●		●			●		●			●
	●	●	●	●	●	●		●		●		
								●			●	
					●		●	●	●		●	●

● Raccomandato ○ Adatto ○ Possibile

Maschi a macchina HSS-E

										
	Tkn	Format	Tkn	Format	Tkn	Format	Tkn	Format	Format	Tkn
Passo	UNC	UNC	UNC	UNF	UNF	UNF	UNF	NPT	PG	M
Codice	A05065	A05770	A05067	A05772	A05072	A05774	A05075	A05670	A05777	A05087
Gamma filetti	UNC N°4x40 ÷UNC 3/4x10	UNC N°4x40 ÷UNC N°1x8	UNC N°4x40 ÷UNC 3/4x10	UNF N°10x32 ÷UNF N°1x12	UNF N°4x48 ÷UNF N°5/8x18	UNF N°10x32 ÷UNF N°1x12	UNF N°4x48 ÷UNF N°5/8x18	NPT 1/16x27 ÷NPT 1x11,5	PG7x20 ÷PG36x16	M3÷M10
Materiale	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
Tipo	N	N	N	N	N	N	N	N	N	N
Rivestimento										TIN
Pagina	123	123	123	124	124	124	124	125	126	128

	●	●	●	●	●	●	●	●	●	●
	◐	◐	●	◐	◐	◐	●	◐	◐	●
		◐		◐		◐		◐	◐	●
										
										
										
										
										
	◐				◐					●
										
	●		◐		●		◐	◐		
	●	●	◐	●	●	●	◐	●	●	●
										

● Raccomandato ◐ Adatto ○ Possibile



Frese in metallo duro • Frese per stampi • Fresatura modulare • Seghe circolari • Seghe a tazza • Lame • Barrette • Frese ad inserti • Punte ad inserti • Inserti e ricambi • Portainseri per filettare, troncatura e scanalatura • Godronatura • Brocciatura/Stozzatura • Utensili saldobrasati • Lubrorefrigeranti e sistemi

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MASCHI

Maschi a macchina HSS-E

Frese a filettare in metallo duro

Per Helicoil

	Tkn	Tkn	Format	Format GT	Format GT	Format GT	Format GT	Format	Tkn	Tkn	Böhlhoff	Böhlhoff
Passo	M	M	M	M	M	M	M	MF	M	G	HELICOIL	HELICOIL
Codice	A05127	A05137	A05783	A05588	A05589	A05579	A05587	A05785	A06035	A06040	A05950	A05955
Gamma filetti	M3÷M12	M5÷M12	M3÷M12	M3÷M20	M3÷M20	M3÷M12	M6÷M10	M6x0,75 ÷ M20x1,5	M6÷M16	G1/8÷G3/8	M3÷M16	M3÷M16
Materiale	HSS-E PM	HSS-E PM	HSS-E	HSS-E PM	HSS-E	VHM	VHM	HSS-E	VHM K/P	VHM K/P	HSS	HSS
Tipo	N	N	N	UNI	N	UNI	UNI	N			N	N
Rivestimento	TiCN	TiCN	TiN	SUPRA	CUPRIC	LOTUS	LOTUS	TiN	TiCN	TiCN		
Pagina	128	128	129	129	129	130	130	131	133	133	138	138

	●	●	●	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●	●		
	●	●	●	●				●	●	●		
									●	●		
	●	●	●	●				●	●	●		
	●	●	●					●	●	●		
	●	●	●					●	●	●	●	●
	●	●	●					●	●	●	●	●
	●	●			●	●	●		●	●	●	●

● Raccomandato ○ Adatto ○ Possibile