
















Punte in acciaio HSS, HSS-E

													
	Format	Format	Format	Format	Tkn	Format	Format	Tkn	Tkn	Format	Format	Format	Tkn
Codice	A01205	A01215	A01217	A01218	A01219	A01061	A01064	A01010	A01012	A01004	A01035	A01116	A01060
Diametro	0,1÷1	1÷14	1÷20	1÷20	1÷14	2,8÷12	2,5÷6	0,3÷20	1÷16	1÷16	1÷13	2÷13	1÷14
Norma	DIN 1899-A	DIN 1897	DIN 1897	DIN 1897	DIN 1897	DIN 1897	DIN 1897	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338
Materiale	HSS-Co5	HSS	HSS-Co5	HSS-Co5	HSS-E	HSS-E PM	HSS	HSS	HSS	HSS	HSS	HSS	HSS-E
Tipo	N	N	INOX	INOX		TF	DIN 1897	N	N	N	W	HR	
Rivestimento				TiN	TiN	TiAlN			TiN	TiN			TiN
Angolo di affilatura	118°	118°	130°	130°	118°	130°	118°	118°	118°	118°	130°	80°	118°
Pagina	21	21	22	22	23	24	25	25	27	29	30	31	32

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					●		○	○	○	○	●	●	●

● Raccomandato ○ Adatto ○ Possibile



Frese in metallo duro • Frese per stampe • 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

Punte in acciaio HSS, HSS-E

1
PUNTE HSS














	Format GT	Format	Format	Format	Format GT	Format	Tkn	Format	Tkn	Tkn	Format	Format	Format
Codice	A01045	A01072	A01074	A01076	A01043	A01082	A01034	A40340	A01230	A01245	A01047	A01011	A01305
Diametro	1÷16	1÷19	1÷14,5	1÷13	1÷13	1÷13	1÷13	2÷16	1÷13	1÷14	1÷13	1÷13	3÷12
Norma	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 8037	DIN 340	DIN 340	DIN 340	DIN 340	DIN 1869
Materiale	HSS-Co8	HSS-Co5	HSS-Co5	HSS-Co5	HSS-E PM	HSS-Co5	HSS-E PM	HM	HSS	HSS-E	HSS-Co5	HSS-Co5	HSS
Tipo	N	Ti	Ti	TF	UNI	INOX	H	N	N		Ti	TF	TF
Rivestimento	TiAIN		TiN		TiAIN		PredatorX			TiN			
Angolo di affilatura	135°	130°	130°	130°	130°	130°	135°	118°	118°	118°	130°	130°	130°
Pagina	33	33	33	35	36	37	38	39	40	41	42	42	43

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● Raccomandato ○ Adatto ○ Possibile

Punte in acciaio HSS, HSS-E

													
	Format	Format	Tkn	Format	Format	Format	Format	Format	Format	Format	Format	Format	Format
Codice	A01022	A01307	A01400	A01027	A01505	A01605	A01705	A01706	A01715	A01733	A01732	A01734	A01802
Diametro	3÷12	3÷12	5÷50	10÷34	10÷50	8÷30	M3÷M12	M3÷M10	M3÷M10	M3÷M12	M3÷M10	M3÷M10	1÷10
Norma	DIN 1869	DIN 1869	DIN 345	DIN 345	DIN 341	DIN 1870	DIN 8378	DIN 8374	DIN 8376	DIN 1897	DIN 1897	DIN 1897	DIN 333-A
Materiale	HSS-Co5	HSS-Co5	HSS	HSS-Co5	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Tipo	TF	TF	N	INOX	N	TF	N	N	N	N	N	N	
Rivestimento		TiAIN											
Angolo di affilatura	130°	130°	118°	135°	118°	130°	118°	118°	118°	118°	118°	118°	
Pagina	43	43	44	46	46	47	48	48	48	49	49	49	50

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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, troncatura e scanalatura • Godronatura • Brocciatura/Stozzatura • Utensili saldobrasati • Lubrificanti e sistemi

Punte da centro in acciaio HSS, HSS-E

1
PUNTE HSS

	Format	Format	Tkn	Format	Format	Format	Tkn	Tkn	Format	Tkn	Tkn	Format
Codice	A01804	A01127	A01005	A01806	A01808	A01822	A01862	A01864	A01147	A01874	A01876	A01151
Diametro	1÷4	1÷6,3	1÷3,15	1÷6,3	1÷6,3	1,25÷6,3	3÷20	5÷20	6÷12	3÷20	5÷20	6÷12
Norma	DIN 333-A	DIN 333-A	Norma Int.	DIN 333-A	DIN 333-R	DIN 333-B	Norma Int.	Norma Int.	Norma Int.	Norma Int.	Norma Int.	Norma Int.
Materiale	HSS	HSS	HSS	HSS-Co5	HSS	HSS	HSS	HSS	HSS-Co5	HSS	HSS	HSS-Co5
Tipo												
Rivestimento	TiN	TiAIN						TiN	TiN		TiN	TiN
Angolo di affilatura							90°	90°	90°	120°	120°	120°
Pagina	50	50	50	51	51	51	52	52	52	53	53	53

Acciaio <850 N/mm ²	●	●	●	●	●	●	●	●	●	●	●	●
Acciaio >850 <1000 N/mm ²	●	●	●	●	●	●	●	●	○	●	●	○
Acciaio >1000 <1400 N/mm ²	○	●	○	○	○	○	○	○	○	○	○	○
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