



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

Frese in acciaio HSS, HSS-E

1














FRESE HSS














	Tkn	Tkn	Format	Format	Format	Format	Format	Format	Format	Format	Tkn	Tkn	Format
Codice	A25030	A25060	A25106	A25113	A25101	A25103	A25116	A25115	A25127	A25133	A25090	A25100	A25145
Diametro	3÷20	3÷20	1÷25	2÷20	3÷10	3÷10	2÷20	2÷16	1÷10	2÷10	3÷20	3÷20	2÷32
Numero denti	2	2	2	2	1	1	2	2	3	3	3	3	3
Norma	DIN 327-D	DIN 327-D	DIN 327-D	DIN 327-D	Norma Int.	Norma Int.	DIN 844-K	DIN 844-L	Norma Int.	Norma Int.	DIN 844	DIN 844	DIN 327
Tipo	N	N	N	N	W	W	N	N	N	N	N	N	N
Materiale	HSS Co8	HSS Co8	HSS Co8	HSS-E PM	HSS Co5	HSS Co5	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS Co8
Rivestimento		TiAIN		TiAIN		TiAIN						TiAIN	
Pagina	195	195	195	196	196	196	196	197	197	197	198	198	198

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

## Frese in acciaio HSS, HSS-E

													
	Format	Format	Format	Format	Format	Tkn	Tkn	Format	Format	Format	Format	Format	Format
Codice	A25149	A25154	A25155	A25160	A25163	A25170	A25200	A25169	A25175	A25176	A25178	A25179	A25158
Diametro	2÷20	3÷22	3÷25	3÷25	6÷20	3÷20	3÷20	2÷32	2÷25	1÷25	5÷32	5÷25	6÷25
Numero denti	3	3	3	3	3	4	4	4-6	4-6	4	4-6	4	3
Norma	DIN 327	DIN 844-K	DIN 844-K	DIN 844-K	DIN 844-L	DIN 844-K	DIN 844-K	DIN 844-K	DIN 844-K	DIN 844-K	DIN 844-L	DIN 844-L	DIN 844-K
Tipo	N	N	N	N	W	N	N	N	N	N	N	N	NF
Materiale	HSS-E PM	HSS Co8	HSS-E PM	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS-E PM	HSS Co8	HSS-E PM	HSS Co8
Rivestimento	TiAIN		TiAIN				TiAIN		TiAIN	TiAIN		TiAIN	TiAIN
Pagina	198	199	199	199	199	200	200	200	200	201	201	201	202

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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

Frese in acciaio HSS, HSS-E

1

FRESE HSS














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Codice	A25270	A25184	A25165	A25187	A25340	A25350	A25192	A25196	A25199	A25223	A25214	A25226
Diametro	6÷20	6÷20	10÷25	6÷25	6÷20	6÷20	6÷20	6÷20	6÷20	4÷20	4÷20	6÷20
Numero denti	4	3/4	4	3/5	4	4	3-4	3-4	3-4	3-4	3-4	4
Norma	DIN 844	DIN 844-K	DIN 844-K	DIN 844-L	DIN 844-K	DIN 844-K	DIN 844-K	DIN 844-K	DIN 844-L	DIN 844-K	DIN 844-K	DIN 844-L
Tipo	NF	NF	NR	NF	NR	NR	NR	NR	NR	HR	HR	HR
Materiale	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS Co5	HSS Co5	HSS Co8	HSS Co8	HSS Co8	HSS Co8	HSS-E PM	HSS Co8
Rivestimento	TiAIN		TiAIN			TiAIN		TiAIN		TiAIN	TiAIN	
Pagina	202	203	203	203	204	204	204	204	205	205	205	206

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

● Raccomandato ○ Adatto ○ Possibile

## Frese in acciaio HSS, HSS-E

									
	Format	Format	Format	Format	Format	Format	Format	Format	Format
Codice	A25250	A25253	A25256	A25257	A25258	A25259	A25262	A25122	A25125
Diametro	13,5x2÷32,5x10	12,5x6÷40x18	16÷40	16÷40	16÷32	16÷32	1÷16	2÷32	3÷30
Numero denti	6-10	6-10	10-12	10-12	10-12	10-12	4-6	2	2
Norma	DIN 850-D	DIN 851-AB	DIN 1833 C	DIN 1833 C	DIN 1833 D	DIN 1833 D	DIN 6518-B	DIN 327	DIN 1889
Tipo	N	N	N	N	N	N	N	N	N
Materiale	HSS Co5	HSS Co5	HSS-E	HSS-E	HSS-E	HSS-E	HSS Co8	HSS Co8	HSS Co8
Rivestimento								TiAIN	TiAIN
Pagina	206	207	207	207	208	208	208	209	209

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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

1

FRESE HSS








Frese in acciaio HSS, HSS-E














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Codice	A25400	A25401	A25403	A25404	A25406	A25407	A25412	A25415	A25418
Diametro	M3÷M12	M3÷M12	M3÷M12	M3÷M12	M3÷M12	M3÷M12	M10÷M24	M10÷M24	M10÷M24
Numero denti	3	3	3	3	3	3	3	3	3
Norma	DIN 373	DIN 373	DIN 373	DIN 373	DIN 373	DIN 373			
Tipo									
Materiale	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS
Rivestimento		TIN		TIN		TIN			
Pagina	210	210	210	210	210	210	211	211	211

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

## Frese in acciaio HSS, HSS-E

							
	Format	Format	Format	Format	Format	Format	Format
Codice	<b>A25010</b>	<b>A25013</b>	<b>A25016</b>	<b>A25019</b>	<b>A25022</b>	<b>A25025</b>	<b>A25028</b>
Diametro	40x32÷100x50	40x32÷100x50	40x32÷80x45	40x32÷100x50	40x32÷100x50	40x32÷100x50	40x32÷100x50
Numero denti							
Norma	<b>DIN 1880</b>	<b>DIN 1880</b>	<b>DIN 1880</b>	<b>DIN 1880</b>	<b>DIN 1880</b>	<b>DIN 1880</b>	<b>DIN 1880</b>
Tipo	N	N	W	NF	NR	NR	HR
Materiale	HSS Co8	HSS Co8	HSS Co5	HSS Co8	HSS Co8	HSS Co8	HSS Co5
Rivestimento		<b>TiAIN</b>				<b>TiAIN</b>	
Pagina	212	212	212	212	213	213	213

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

1

FRESE HSS

Frese in acciaio HSS, HSS-E

	Format	Format	Format	Format	Format	Format	Format
Codice	A25031	A25049	A25043	A25052	A25055	A25058	A25061
Diámetro	40x32÷100x50	50x4÷160x20	63x1,6÷160x6	1÷10	1÷10	50÷100	40÷100
Numero denti							
Norma	DIN 1880	DIN 885-A	DIN 1834-A	Norma int.	Norma int.	DIN 847	DIN 842A
Tipo	HR	N	N			H	H
Materiale	HSS Co5	HSS Co5	HSS Co5	HSS	HSS	HSS	HSS
Rivestimento	TiAIN						
Pagina	213	214	214	215	215	216	216

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

● Raccomandato ○ Adatto ○ Possibile