

Ref. **4421**

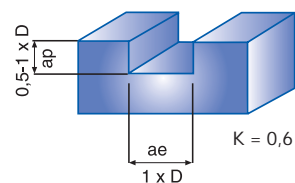
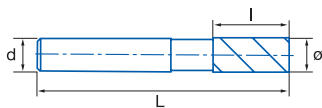
FRESA FRONTAL ACABADO HSS 2Z

2Z HSS Finishing End Mill

Fraise Finition HSS 2Z



HSS	DIN 327 N	ISO 1641/1					Tol. D (e8) d (h6)	
-----	-----------	------------	--	--	--	--	--------------------------	--



Material		Vc	Avances fz*/rev. (mm/min.) Feed / Pas									
Grupo	Sub.	HSS	Ø 4	Ø 6	Ø 8	Ø 10	Ø 12	Ø 16	Ø 20	Ø 25	Ø 32	Ø 40
1	1.1	20-28	0,020	0,030	0,035	0,050	0,060	0,100	0,100	0,100	0,100	0,100

* vf (mm/min.) = r.p.m. x Z x fz x K

(K = Coeficiente Corrección / Correction Coefficient / Coefficient de Correction)

Vc= m/min.

r.p.m. = $\frac{Vc \times 1.000}{\pi \times \phi}$

D mm	d mm	L mm	l mm	Z	N° Art. HSS	€
2,00	6	48	4	2	44162	7,84
2,50	6	49	5	2	44165	7,84
3,00	6	49	5	2	44168	7,84
3,50	6	50	6	2	44171	8,19
4,00	6	51	7	2	44174	7,84
4,50	6	52	8	2	73802	8,84
5,00	6	52	8	2	44177	7,84
5,50	6	52	8	2	73805	9,63
6,00	6	52	8	2	44180	7,84
6,50	10	60	10	2	73808	12,34
7,00	10	60	10	2	44183	11,66
7,50	10	61	11	2	73811	12,12
8,00	10	61	11	2	44186	9,54
8,50	10	61	11	2	73814	13,60
9,00	10	61	11	2	44189	12,19
9,50	10	61	11	2	73817	13,33
10,00	10	63	13	2	44192	10,00
11,00	12	70	13	2	44195	15,25
12,00	12	73	16	2	44198	13,12
13,00	12	73	16	2	44201	19,61
14,00	12	73	16	2	44204	18,52
15,00	12	73	16	2	44207	21,15
16,00	16	79	19	2	44210	19,35
17,00	16	79	19	2	44213	25,41
18,00	16	79	19	2	44216	25,41
19,00	16	79	19	2	44219	31,23
20,00	20	88	22	2	44222	29,79
22,00	20	88	22	2	44225	40,96
24,00	25	102	26	2	44228	51,32
25,00	25	102	26	2	44231	51,32
28,00	25	102	26	2	44234	64,18
30,00	25	102	26	2	44237	74,27
32,00	32	112	32	2	44240	76,49
36,00	32	112	32	2	44243	100,14
40,00	40	130	38	2	44246	120,36

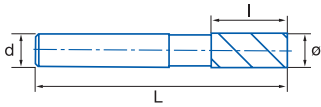
Ref. **4412**

FRESA FRONTAL ACABADO HSS 1Z ALUMINIO

Aluminium 1Z HSS Finishing End Mill
Fraise Finition HSS 1Z Aluminium



HSS	IZAR Std. W	Serie Corta Short Length Série Courte		d= 8-10 mm	Tol.* D (k10) d (h6)	*øD=ød =>Tol. D (js14) d (h6)
-----	-------------	---------------------------------------	--	------------	----------------------------	-------------------------------------



Material		Vc	Avances fz*/rev. (mm/min.) Feed / Pas			
Grupo	Sub.	HSS	Ø 4	Ø 6	Ø 8	Ø 10
6	6.1	100-160	0,024	0,040	0,060	0,090
	6.2	100-160	0,024	0,040	0,060	0,090
	6.3	100-160	0,015	0,025	0,035	0,060
7	7.1	40-70	0,012	0,022	0,035	0,055

*vf (mm/min.) = r.p.m. x Z x fz x K
(K = Coeficiente Corrección / Correction Coefficient / Coefficient de Correction)

Vc= m/min.

r.p.m. = $\frac{Vc \times 1.000}{\pi \times \phi}$

D mm	d mm	L mm	l mm	Z	N° Art. HSS	€
3,00	8	60	12	1	44087	10,97
4,00	8	60	12	1	44090	10,97
5,00	8	60	12	1	44093	10,97
6,00	8	60	14	1	44096	10,97
7,00	8	60	14	1	44099	13,41
8,00	8	80	15	1	44102	13,41
10,00	10	80	15	1	44105	13,79

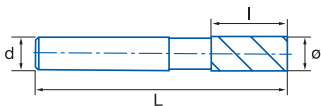
Ref. **4413**

FRESA FRONTAL ACABADO HSS 1Z ALUMINIO

Aluminium 1Z HSS Finishing End Mill
Fraise Finition HSS 1Z Aluminium



HSS	IZAR Std. W	Serie Corta Short Length Série Courte		d= 6 mm	Tol.* D (k10) d (h6)	*øD=ød =>Tol. D (js14) d (h6)
-----	-------------	---------------------------------------	--	---------	----------------------------	-------------------------------------



Material		Vc	Avances fz*/rev. (mm/min.) Feed / Pas	
Grupo	Sub.	HSS	Ø 4	Ø 6
6	6.1	100-160	0,024	0,040
	6.2	100-160	0,024	0,040
	6.3	100-160	0,015	0,025
7	7.1	40-70	0,012	0,022

*vf (mm/min.) = r.p.m. x Z x fz x K
(K = Coeficiente Corrección / Correction Coefficient / Coefficient de Correction)

Vc= m/min.

r.p.m. = $\frac{Vc \times 1.000}{\pi \times \phi}$

D mm	d mm	L mm	l mm	Z	N° Art. HSS	€
3,00	6	60	12	1	44108	10,97
4,00	6	60	12	1	44111	10,97
5,00	6	60	12	1	44114	10,97
6,00	6	60	14	1	44117	10,97

Ref. **4414**

FRESA FRONTAL ACABADO HSS 1Z ALUMINIO

Aluminium 1Z HSS Finishing End Mill
Fraise Finition HSS 1Z Aluminium



HSS	IZAR Std. W	Serie Larga Long Length Série Longue	4414 d= 8 mm			Tol.* D (k10) d (h6)	*øD=ød =>Tol. D (js14) d (h6)
-----	-------------------	--	--------------------	--	--	----------------------------	-------------------------------------



Perfiles
Profiles
Profils

Material	Vc	Avances fz*/rev. (mm/min.) Feed / Pas				
		Ø 4	Ø 6	Ø 8	Ø 10	
6	6.1	100-160	0,024	0,040	0,060	0,090
	6.2	100-160	0,024	0,040	0,060	0,090
	6.3	100-160	0,015	0,025	0,035	0,060
7	7.1	40-70	0,012	0,022	0,035	0,055

*vf (mm/min.) = r.p.m. x Z x fz x K

(K = Coeficiente Corrección / Correction Coefficient / Coefficient de Correction)

Vc= m/min.

r.p.m. = $\frac{Vc \times 1.000}{\pi \times \phi}$

D mm	d mm	L mm	I mm	Y mm	Z	N° Art. HSS	€
4,00	8	80	16	29	1	44120	15,50
5,00	8	80	16	29	1	44123	15,50
6,00	8	90	16	29	1	44126	15,50
8,00	8	100	28	40	1	44129	17,20
10,00	10	120	40	40	1	29178	17,72

Ref. **4415**

FRESA FRONTAL ACABADO HSS 1Z ALUMINIO

Aluminium 1Z HSS Finishing End Mill
Fraise Finition HSS 1Z Aluminium



HSS	IZAR Std. W	Serie Larga Long Length Série Longue	4415 d= 6 mm			Tol.* D (k10) d (h6)	*øD=ød =>Tol. D (js14) d (h6)
-----	-------------------	--	--------------------	--	--	----------------------------	-------------------------------------



Perfiles
Profiles
Profils

Material	Vc	Avances fz*/rev. (mm/min.) Feed / Pas	
		Ø 6	
6	6.1	100-160	0,040
	6.2	100-160	0,040
	6.3	100-160	0,025
7	7.1	40-70	0,022

*vf (mm/min.) = r.p.m. x Z x fz x K

(K = Coeficiente Corrección / Correction Coefficient / Coefficient de Correction)

Vc= m/min.

r.p.m. = $\frac{Vc \times 1.000}{\pi \times \phi}$

D mm	d mm	L mm	I mm	Y mm	Z	N° Art. HSS	€
5,00	6	80	14	31	1	44132	15,50
6,00	6	80	14	31	1	44135	15,50

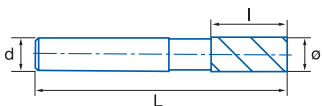
Ref. **4416**

FRESA FRONTAL ACABADO HSS 1Z ALUMINIO

Aluminium 1Z HSS Finishing End Mill
Fraise Finition HSS 1Z Aluminium



HSS	IZAR Std. W	Serie Larga Long Length Série Longue	d= 8 mm			Tol.* D (k10) d (h6)	*øD=ød =>Tol. D (js14) d (h6)
-----	-------------------	--	------------	--	--	----------------------------	-------------------------------------



Perfiles
Profiles
Profils

Material		Vc	Avances fz*/rev. (mm/min.) Feed / Pas	
Grupo	Sub.	HSS	Ø 4	Ø 5
6	6.1	100-160	0,024	0,040
	6.2	100-160	0,024	0,040
	6.3	100-160	0,015	0,025
7	7.1	40-70	0,012	0,022

$$*vf \text{ (mm/min.)} = r.p.m. \times Z \times fz \times K$$

(K = Coeficiente Corrección / Correction Coefficient / Coefficient de Correction)

$$Vc = \text{m/min.}$$

$$r.p.m. = \frac{Vc \times 1.000}{\pi \times \phi}$$

D mm	d mm	L mm	I mm	Y mm	Z	Nº Art. HSS	€
4,00	8	80	16	19	1	74142	15,50
5,00	8	80	16	19	1	74145	15,50

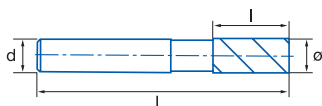
Ref. **4417**

FRESA FRONTAL ACABADO HSS 1Z ALUMINIO

Aluminium 1Z HSS Finishing End Mill
Fraise Finition HSS 1Z Aluminium



HSS	IZAR Std. W	Serie Larga Long Length Série Longue	d= 8 mm			Tol.* D (k10) d (h6)	*øD=ød =>Tol. D (js14) d (h6)
-----	-------------------	--	------------	--	--	----------------------------	-------------------------------------



Perfiles
Profiles
Profils

Material		Vc	Avances fz*/rev. (mm/min.) Feed / Pas	
Grupo	Sub.	HSS	Ø 5	
6	6.1	100-160	0,040	
	6.2	100-160	0,040	
	6.3	100-160	0,025	
7	7.1	40-70	0,022	

$$*vf \text{ (mm/min.)} = r.p.m. \times Z \times fz \times K$$

(K = Coeficiente Corrección / Correction Coefficient / Coefficient de Correction)

$$Vc = \text{m/min.}$$

$$r.p.m. = \frac{Vc \times 1.000}{\pi \times \phi}$$

D mm	d mm	L mm	I mm	Y mm	Z	Nº Art. HSS	€
5,00	8	100	35	20	1	44138	15,50