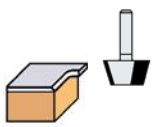


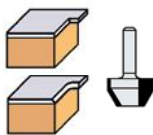
Fresas profissionais

Ângulo



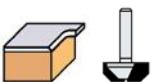
Ref.	D	L	Z	S	d	T	EXP
1140012	22	12	2	15°	6	HM	64
1140013	22	12	2	30°	6	HM	64/36
1140023	24	12	4	30°	6	HM	64

Combinação ângulo/direita



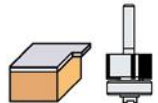
Ref.	D	L	Z	S	d	T	EXP
1140021	24	12	4 mixed	30°	6	HM	64
1040011	22	12	2 mixed	30°	6	HM	64/36

Ângulo



Ref.	D	L	Z	S	d	T	EXP
1140014	22	9	2	45°	6	HM	64/36

Corte direito com rolamento



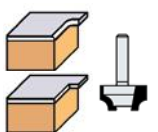
Ref.	D	L	Z	S	d	T	EXP
1140037	22	12	4	0°	6	HM	64/36

Ângulo com rolamento



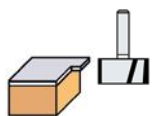
Ref.	D	L	Z	S	d	T	EXP
1140038	22	12	4	15°	6	HM	64

Corte de cantos



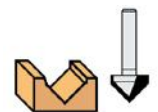
Ref.	D	L	Z	S	d	T	EXP
1140075	22	12	2	r:5	6	HM	64/36

Corte direito



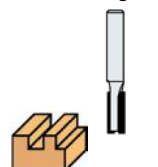
Ref.	D	L	Z	S	d	T	EXP
1140010	18	15	2	0°	6	HM	64/36
1140020	24	12	4	0°	6	HM	64

Corte em V

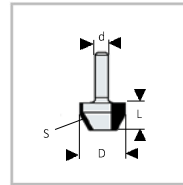


Ref.	D	L	Z	S	d	T	EXP
1140087	20	14	2	45°	8	HM	64/36

Furar e rasgar

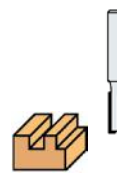


Ref.	D	L	Z	S	d	T	EXP
1130055	6	17	2	0°	8	HSS	64
1130056	8	20	2	0°	8	HSS	64
1130057	10	20	2	0°	8	HSS	64



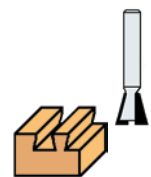
D: Diâmetro fresa,
L: Altura corte,
Z: Número cortes,
S: Perfil,
d: Diâmetro haste (pinça),
T: HSS= Aço rápido HM= Widia,
EXP: Expositor

Furar e rasgar



Ref.	D	L	Z	S	d	T	EXP
1130058	12	20	2	0°	8	HSS	64
1130059	7,6	20	2	0°	8	HSS	64
1140055	6	15	2	0°	8	HM	64/36
1140056	8	20	2	0°	8	HM	64/36
1140057	10	20	2	0°	8	HM	64/36
1140058	12	20	2	0°	8	HM	64/36
6040310	12	32	2	0°	8	HM	
1140059	7,6	20	2	0°	8	HM	64/36
1240024	12	10	2	0°	8	HM	64
1240025	13	10	2	0°	8	HM	64/36
1240026	14	10	2	0°	8	HM	64/36
1240027	15	10	2	0°	8	HM	64/36
1240028	16	10	2	0°	8	HM	64/36
1240029	17	10	2	0°	8	HM	64/36
1240030	18	10	2	0°	8	HM	64
1240031	19	10	2	0°	8	HM	64
1240032	20	10	2	0°	8	HM	64/36
1140257	10	32	2	0°	12	HM	33
1140258	12	32	2	0°	12	HM	33
1640258	12	35	3	0°	12	HM	33
1140259	14	32	2	0°	12	HM	33
1140260	16	32	2	0°	12	HM	33

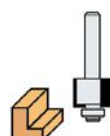
Malhetes



Para FR66P,
 FR160P, FRE160P,
 AS93+CA66F, FR277R
 & FR278R.
 Marcada com * só
 para FR160P &
 FRE160P.

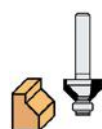
Ref.	Descrição	d	T	EXP
6040050	Fresa malhete Ø 15 mm (PL11 passo 26 mm)	8	HM	64/36
1140060	Fresa direita Ø 12 mm (PL11 passo 26 mm)	8	HM	64
5040119	Fresa malhete Ø 9,5 mm (PL11 passo 16 mm)	8	HM	64/36
5040120	Fresa malhete Ø 19 mm (PL11 passo 34 mm)	8	HM	64/36
6040053*	Fresa malhete Ø 15 mm	12	HM	33
5040122*	Fresa malhete Ø 19 mm	12	HM	33

Rebaixo com rolamento



Ref.	D	L	Z	S	d	T	EXP
1132029	20	15	2	0°	8	HSS	64
1142030	26	13	2	0°	8	HM	64/36
1142031	32	13	2	r:9,5	12	HM	33

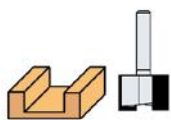
Chanfro com rolamento



Ref.	D	L	Z	S	d	T	EXP
1132026	20	11	2 mixta	45°	8	HSS	64
1142027	25	15	2 mixta	45°	8	HM	64/36

Fresas profissionais

Fresa rasgo direito



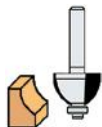
Ref.	D	L	Z	S	d	T	EXP
1132035	20	15	2	0°	8	HSS	64
1132036	27	20	2	0°	8	HSS	64
1140016	18	20	2	0°	8	HM	64/36

Fresa raio p/ côncavos



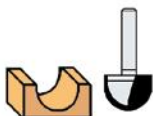
Ref.	D	L	Z	S	d	T	EXP
1740306	10	12	2	r:5	8	HM	
1740311	12	12	2	r:6	8	HM	
1740312	16	14	2	r:8	8	HM	
1740307	20	14	2	r:10	8	HM	

Fresa côncava com rolamento



Ref.	D	L	Z	S	d	T	EXP
1142042	26	17	2	r:16	8	HM	64
1142242	38	16	2	r:13	12	HM	33

Fresa meia cana



Ref.	D	L	Z	S	d	T	EXP
1132020	20	15	2	r:10	8	HSS	64
1142020	26	18	2	r:13	8	HM	64/36
1142220	38	13	2	r:19	12	HM	33

Fresa de molduras



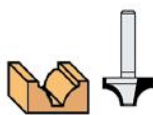
Ref.	D	L	Z	S	d	T	EXP
1142041	25	15	2	r:5	8	HM	64/36

Fresa de molduras



Ref.	D	L	Z	S	d	T	EXP
1132047	20	15	2	r:7	8	HSS	64
1132048	27	20	2	r:9	8	HSS	64
1142047	25	18	2	r:6	8	HM	64/36

Fresa de molduras



Ref.	D	L	Z	S	d	T	EXP
1132038	20	15	2	r:7,5	8	HSS	64
1132039	27	15	2	r:10	8	HSS	64
1142039	25	19	2	r:15	8	HM	64/36
1142239	32	16	2	r:10	12	HM	33
1142339	38	19	2	r:12	12	HM	33

Fresa de molduras c/ rolamento



Ref.	D	L	Z	S	d	T	EXP
1142045	26	17	2	r:7	8	HM	64/36
1142245	38	17	2	r:6	12	HM	33

Fresa moldura c/ rolamento



Ref.	D	L	Z	S	d	T	EXP
1142024	26	15	2	r:12	8	HM	64/36
1142224	38	19	2	r:12	12	HM	33

Fresa moldura c/ rolamento



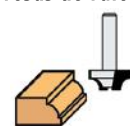
Ref.	D	L	Z	S	d	T	EXP
1142040	26	15	2	r:5	8	HM	64/36
1142140	35	17	2	r:6+5	12	HM	33

Fresa moldura c/ rolamento



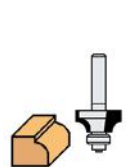
Ref.	D	L	Z	S	d	T	EXP
1142150	32	16	2	r:8	12	HM	33

Fresas de raio



Ref.	D	L	Z	S	d	T	EXP
1140107	23	12	2	r:6	8	HM	64
1140108	27	16	2	r:8	8	HM	64

Fresas de raio c/ rolamento



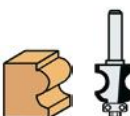
Ref.	D	L	Z	S	d	T	EXP
1140123	19	10	2	r:2	8	HM	
1140106	20	10	2	r:3	8	HM	64/36
1140109	25	11	2	r:6	8	HM	64
1140110	29	15	2	r:8	8	HM	64

Fresa de molduras



Ref.	D	L	Z	S	d	T	EXP
1140300	24	24,5	2	r:16	12	HM	33

Fresa de molduras



Ref.	D	L	Z	S	d	T	EXP
1140301	32	36	2	r:10	12	HM	33

Fresa de molduras



Ref.	D	L	Z	S	d	T	EXP
1140302	21	22	2	r:3	12	HM	33

Fresa de molduras



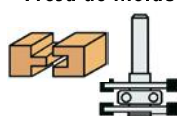
Ref.	D	L	Z	S	d	T	EXP
1140303	19	32	2	r:5	12	HM	33

Fresa de molduras



Ref.	D	L	Z	d	T	EXP
1140304	44	20	2	12	HM	33

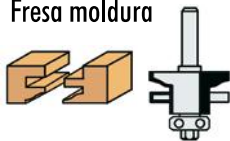
Fresa de molduras



Ref.	D	L	Z	S	d	T	EXP
1140305	40	25	2	e=6+6	12	HM	33

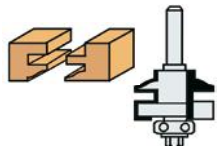
Fresas profissionais

Fresa moldura



Ref.	D	L	Z	d	T	EXP
1142160	35	25	2	12	HM	33

Fresa contra molde



Ref.	D	L	Z	d	T	EXP
1142161	35	25	2	12	HM	33

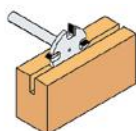
Rebaixos



(Uso só com FR192N)

Ref.	D	L	Z	S	d	T	EXP
1240046	22	41	4	0°	Eixo	HM	64/36

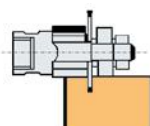
Fresa ranhuras



(*) L=espessura fresagem

Ref.	D	L**	Z	S	d	T	EXP
1140111	41	2,5	4	0°	8	HM	
1140112	41	3	4	0°	8	HM	
1140113	41	4	4	0°	8	HM	64/36
1140114	41	5	4	0°	8	HM	

Dispositivo ranhura e recorte



Ref.	Descrição	d	T
1100008	Dispositivo ranhura 2,2 mm	Eixo	HM
1100009	Dispositivo ranhura 1,8 mm	Eixo	HM
1140066	Serra Ø 41 esp. 2,2 mm		HM
1140067	Serra Ø 41 esp. 1,8 mm		HM
1140072	Serra Ø 41 esp. 1,6 mm		HM

(Para uso com AS93)

Fresa para ferragens oscilo-batentes

Ref.	Descrição	D	L	Z	d	
7740117	Para ferragens AGB	16	25	2	Eixo	
(Para uso com FR277R, FR278R)						
6640125	Para ferragens AGB	16	25	2	Eixo	
(Para uso com FR66P, AS93+CA66F)						

Expositor de fresas e acessórios

Ref.	Descrição
1299119	Expositor com 36 fresas
1299120	Expositor com 64 fresas
1299200	Expositor com 33 fresas (para pinça 12 mm) & fresa de rasgo

A coluna "EXP" indica o conteúdo de cada expositor.

