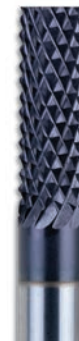
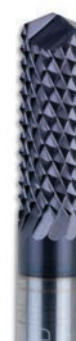
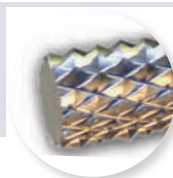
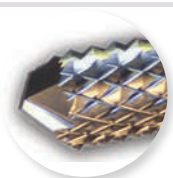


FRESAS DE METAL DURO PARA MATERIALES COMPUESTOS: FIBRA DE CARBONO, PANEL FENÓLICO, ETC...

MD

REVOLUCIONES Y AVANCES

D ₁ mm	RPM rev./min	AVANCE mm/min
1,50	60.000	3.000
2,00	50.000	2.500
3,00	32.000	1.600
5,00	20.000	1.200
6,00	16.000	1.000
6,35	14.000	1.000
8,00	9.000	700
10,00	7.000	550
12,00	6.000	450



				RFC		RF		RFC _{TL}		RFTL	
D ₁ mm	L ₁ mm	L ₂ mm	D ₂ mm		€		€	TiAIN	€	TiAIN	€
1,50	38	5	3,00	RFC0150	18,63	RF0150	17,66	RFC0150TL	28,16	RF0150TL	27,19
2,00	38	10	3,00	RFC0200	18,63	RF0200	17,66	RFC0200TL	28,16	RF0200TL	27,19
3,00	38	12	3,00	RFC0300	18,63	RF0300	17,66	RFC0300TL	28,16	RF0300TL	27,19
5,00	50	16	5,00	RFC0500	36,98	RF0500	33,59	RFC0500TL	46,53	RF0500TL	43,12
6,00	63	25	6,00	RFC0600	43,98	RF0600	39,87	RFC0600TL	55,57	RF0600TL	51,48
6,35	75	30	6,35	RFC0635	48,83	RF0635	44,70	RFC0635TL	60,46	RF0635TL	56,31
8,00	63	25	8,00	RFC0800	73,22	RF0800	66,47	RFC0800TL	84,19	RF0800TL	77,41
10,00	63	25	10,00	RFC1000	93,02	RF1000	84,59	RFC1000TL	104,53	RF1000TL	96,09
12,00	75	25	12,00	RFC1200	116,94	RF1200	106,35	RFC1200TL	131,20	RF1200TL	120,58

FRESA DE METAL DURO PARA REPARACIÓN DE PINCHAZOS

MD



	D ₁ mm	L ₁ mm	L ₂ mm	D ₂ mm	RN €
RN0300	3,00	50	25	3	18,13
RN0600	6,00	80	50	6	43,76
RN0800	8,00	110	50	8	49,28
RN1000	10,00	110	60	10	77,34

FRESAS DE METAL DURO ACCESORIOS TIPO ROTOZIP



Ref.: RR0317



Ref.: RR0635



Ref.: RR0435



Ref.: RR0247

		D ₁ mm	L ₁ mm	L ₂ mm	D ₂ mm	RR €
RR0317	Cortador Azulejo	3,17	50	25	3,17	20,91*
RR0635	Cortador Azulejo	6,35	50	25	6,35	35,05*
RR0435	Trabajos en Yeso	6,35	52	32	6,35	43,86*
RR0247	Argamasa	2,47	38	14	3,17	15,37*

*Hasta fin de existencias

FRESAS DE 1 LABIO HSSCo

HSSCo

Al

PVC

TOL D1
k12TOL D2
h6

SERIE CORTA



FF13

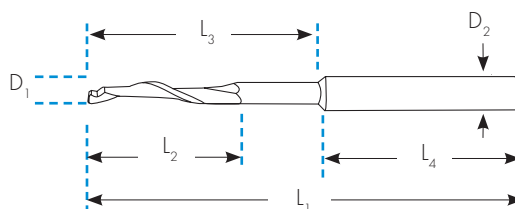
	D1 mm	L1 mm	L2 mm	D2 mm	HSSCo €	TiN €
FF1381	1,0	60	12	8	44,70	62,96
FF1382	2,0	60	12	8	44,70	62,96
FF1383	3,0	60	12	8	17,03	24,85
FF1384	4,0	60	12	8	17,03	24,85
FF1385	5,0	60	13	8	17,03	24,85
FF1386	6,0	60	16	8	17,97	25,75
FF1387	7,0	60	16	8	20,78	29,22
FF1388	8,0	80	16	8	20,78	29,22
FF131010	10,0	80	15	10	23,05	30,28
FF1361	1,0	45	6	6	31,20	41,37
FF13615	1,5	45	6	6	31,20	41,37
FF1362	2,0	45	6	6	31,20	41,37
FF1363	3,0	60	12	6	16,16	22,66
FF1364	4,0	60	12	6	16,21	22,66
FF1365	5,0	60	12	6	16,21	22,66
FF1366	6,0	60	14	6	16,21	22,66

SERIE LARGA



FF14

	D1 mm	L1 mm	L2 mm	L3 mm	D2 mm	HSSCo €	TiN €
FF1483	3	80	16	45	8	29,31	37,20
FF1484	4	80	16	45	8	24,95	33,03
FF1485	5	80	16	45	8	24,95	33,03
FF1486	6	90	16	45	8	24,95	33,03
FF1487	7	90	20	50	8	32,31	40,73
FF1488	8	100	30	70	8	29,21	37,55
FF1465	5	80	14	45	6	24,93	33,03
FF1466	6	80	14	45	6	24,95	33,03



SERIE EXTRA LARGA



FF14-E

	D1 mm	L1 mm	L2 mm	L3 mm	D2 mm	L4 mm	HSSCo €	TiN €
FF1485-E	5	100	30	55	8	45	24,43	30,59
FF1485-EL	5	100	50	-	8	50	29,25	41,54

ALUMINIO LACADO



FF50

	D1 mm	L1 mm	L2 mm	L3 mm	D2 mm	HSSCo €	TiN €
FF5084	4	80	16	35	8	22,66	30,92
FF5085	5	80	18	35	8	22,66	30,92

MEDIDAS ESPECIALES



FF14 Especiales

	D1 mm	L1 mm	L2 mm	L3 mm	D2 mm	HSSCo €
FF148412020	4	120	20	-	8	24,71
FF14856018	5	60	18	-	8	20,37
FF14859025	5	90	25	-	8	26,58
FF148510025	5	100	25	-	8	24,70
FF148512014	5	120	14	-	8	24,70
FF14851001817	5	100	18	35	8	25,10
FF14851201461	5	120	14	75	8	33,80
FF14851201817	5	120	18	35	8	33,80
FF1486801421	6	80	14	35	8	28,00
FF14861001835	6	100	18	35	8	28,00
FF14861201461	6	120	14	75	8	40,50

FF14 Especiales

	D1 mm	L1 mm	L2 mm	L3 mm	D2 mm	HSSCo €
FF14861003045	6	100	30	45	8	33,97
FF14861006040	6	100	60	-	8	43,61
FF14888025	8	80	25	-	8	21,14
FF148810014	8	100	14	-	8	23,38
FF148812014	8	120	14	-	8	25,38
FF14881201476	8	120	14	90	8	30,63
FF14898014	9	80	14	-	8	24,52
FF148108014	10	80	14	-	8	26,10
FF1410101003040	10	100	30	70	10	31,86
FF1410101201481	10	120	14	95	10	33,93
FF14101012014	10	120	14	-	10	27,35
FF148128014	12	80	14	-	8	29,60

FRESAS DE 1 LABIO DE METAL DURO

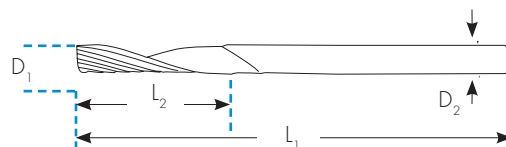
MD

Al

PVC

TOL
h10

TOL D2
h6



HÉLICE A - SERIE CORTA



HÉLICE A - SERIE LARGA



	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13
					MD €
FMGA13305	0,5	39	1,5	3	51,93
FMGA1331	1,0	39	3,0	3	39,81
FMGA13315	1,5	39	4,0	3	35,83
FMGA1322	2,0	40	10,0	2	30,19
FMGA1333	3,0	40	12,0	3	25,57
FMGA1336	3,0	64	12,0	6	44,73
FMGA1338	3,0	64	12,0	8	64,79
FMGA1344	4,0	50	16,0	4	28,11
FMGA1346	4,0	64	16,0	6	45,18
FMGA1348	4,0	64	16,0	8	75,39
FMGA135550	5,0	50	16,0	5	29,17
FMGA1355	5,0	64	16,0	5	31,96
FMGA1356	5,0	64	16,0	6	50,86
FMGA1358	5,0	64	16,0	8	77,10
FMGA136650	6,0	50	16,0	6	39,22
FMGA1366	6,0	64	20,0	6	43,21
FMGA1368	6,0	64	20,0	8	78,27
FMGA1378	7,0	64	20,0	8	87,75
FMGA138816	8,0	66	16,0	8	44,49
FMGA1388	8,0	76	38,0	8	59,00
FMGA131010	10,0	76	30,0	10	73,94

	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13E
					MD €
FMGA1355E	5	80	38	5	56,34
FMGA1366E	6	85	40	6	62,22
FMGA1388E	8	90	38	8	79,98
FMGA1388EX	8	110	43	8	104,93
FMGA131010E	10	100	40	10	114,67
FMGA131010EL	10	120	60	10	148,64

HÉLICE B



	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13HI
					MD €
FMGA1333HI	3	50	8	3	33,31
FMGA1344HI	4	64	12	4	33,31
FMGA1355HI	5	64	16	5	36,07
FMGA1366HI	6	64	20	6	54,45
FMGA1388HI	8	76	38	8	72,06
FMGA131010HI	10	76	35	10	88,08

HÉLICE C



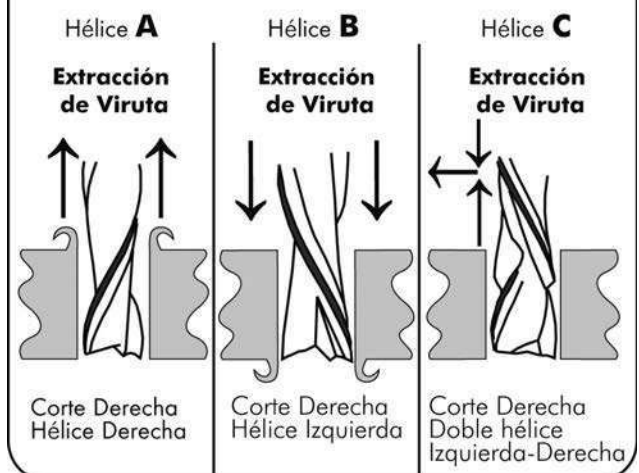
	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13CO
					MD €
FMGA1366CO	6	64	25	6	132,00
FMGA1388CO	8	64	25	8	182,53
FMGA131010CO	10	76	35	10	214,54
FMGA131212CO	12	76	35	12	284,62

CANAL RECTO



	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13R
					MD €
FMGA1346R	4	64	16	6	48,81
FMGA1356R	5	64	20	6	48,81
FMGA1366R	6	64	25	6	56,83
FMGA1388R	8	64	25	8	84,06
FMGA131010R	10	88	35	10	110,02
FMGA131212R	12	88	35	12	158,79

TIPOS DE HÉLICES



VELOCIDADES DE CORTE

D1 mm	HSSCo		MD	
	Aluminio (R.P.M.)	PVC (R.P.M.)	Aluminio (R.P.M.)	PVC (R.P.M.)
3,00	12000	12000	19000	19000
4,00	11000	11000	18000	18000
5,00	10000	10000	18000	18000
6,00	10000	10000	17000	17000
7,00	9000	9000	17000	17000
8,00	9000	9000	16000	16000
9,00	9000	9000	16000	16000
10,00	9000	9000	16000	16000

NOTA: Para la serie larga conviene reducir las RPM en un 15%