

FRAISES CARBURE 1 DENT (POUR ALUMINIUM ET PVC)

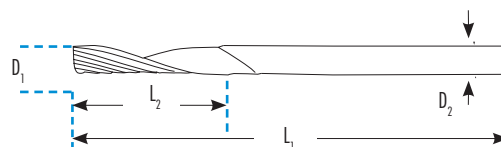
CARBURE

Al

PVC

TOL
h10

TOL D2
h6



HÉLICE A - SÉRIE COURTE



HÉLICE A - SÉRIE LONGUE



Helix A	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13
					CARBURE €
FMGA13305	0,5	39	1,5	3	54,01
FMGA1331	1,0	39	3,0	3	36,86
FMGA13315	1,5	39	4,0	3	33,16
FMGA1322	2,0	40	10,0	2	27,93
FMGA13325	2,5	40	12,0	3	31,40
FMGA1333	3,0	40	12,0	3	25,32
FMGA1336	3,0	64	12,0	6	43,47
FMGA1338	3,0	64	12,0	8	59,97
FMGA1344	4,0	50	16,0	4	27,85
FMGA1346	4,0	64	16,0	6	43,91
FMGA1348	4,0	64	16,0	8	69,78
FMGA135550	5,0	50	16,0	5	28,89
FMGA1355	5,0	64	16,0	5	31,66
FMGA1356	5,0	64	16,0	6	49,43
FMGA1358	5,0	64	16,0	8	71,36
FMGA136650	6,0	50	16,0	6	38,86
FMGA1366	6,0	64	20,0	6	42,80
FMGA1368	6,0	64	20,0	8	72,46
FMGA1378	7,0	64	20,0	8	81,23
FMGA138816	8,0	66	16,0	8	44,06
FMGA1388	8,0	76	38,0	8	58,43
FMGA13101015	10,0	76	15,0	10	68,68
FMGA131010	10,0	76	30,0	10	73,24

Helix A	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13E
					CARBURE €
FMGA133312E	3	70	12	3	30,75
FMGA133322E	3	70	22	3	32,05
FMGA133332E	3	70	32	3	34,11
FMGA134415E	4	70	15	4	39,99
FMGA134425E	4	70	25	4	42,36
FMGA134435E	4	70	35	4	45,25
FMGA135517E	5	80	17	5	49,36
FMGA1355E	5	80	38	5	52,16
FMGA136620E	6	85	20	6	55,36
FMGA1366E	6	85	40	6	57,61
FMGA138825E	8	90	25	8	71,25
FMGA1388E	8	90	38	8	74,03
FMGA1388EX	8	110	43	8	83,15
FMGA131010E	10	100	40	10	106,15
FMGA131010EL	10	120	60	10	154,59

HÉLICE A - AVEC COU



						FMGA13
Helix A	D1 mm	L1 mm	L2 mm	D2 mm		CARBURE
						€
FMGA13488016	4	8	80	16	29	69,95
FMGA13588016	5	8	80	16	29	69,95
FMGA13689016	6	8	90	16	29	69,95

VITESSE DE COUPE POUR FRAISE 1 DENT

D1 mm	HSSCo		CARBURE	
	Aluminium (R.P.M.)	PVC (R.P.M.)	Aluminium (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

Note: Pour la série longue il convient de réduire les RPM de 15%

FRAISES CARBURE 1 DENT (POUR ALUMINIUM ET PVC)

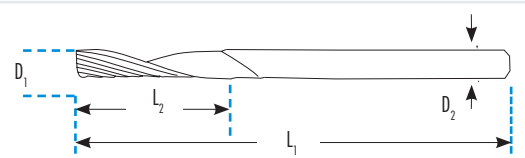
CARBURE

Al

PVC

TOL h10

TOL D2 h6



HÉLICE B



B	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13HI
					CARBURE €
FMGA1333HI	3	50	8	3	33,94
FMGA1344HI	4	64	12	4	33,95
FMGA1355HI	5	64	16	5	36,75
FMGA1366HI	6	64	20	6	55,49
FMGA1388HI	8	76	38	8	73,43
FMGA13101HI	10	76	35	10	85,03

GOUJURE DROITE



R	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13R
					CARBURE €
FMGA1346R	4	64	16	6	46,05
FMGA1356R	5	64	20	6	46,05
FMGA1366R	6	64	25	6	53,61
FMGA1388R	8	64	25	8	79,30
FMGA13101OR	10	88	35	10	103,78
FMGA13121R	12	88	35	12	149,79

HÉLICE C



C	D1 mm	L1 mm	L2 mm	D2 mm	FMGA13CO
					CARBURE €
FMGA1366CO	6	64	25	6	124,52
FMGA1388CO	8	64	25	8	172,18
FMGA13101OCO	10	76	35	10	202,37
FMGA131212CO	12	76	35	12	268,49

TYPES D'HELICE

Hélice A

Evacuation de copeaux

Coupe à droite, hélice à droite

Hélice B

Evacuation de copeaux

Coupe à droite, hélice à gauche

Hélice C

Evacuation de copeaux

Coupe à droite, double hélice gauche-droite

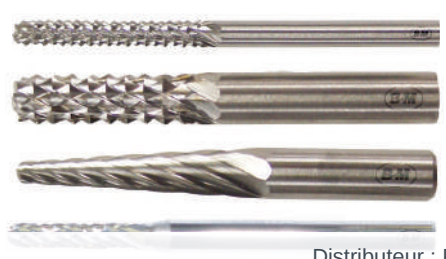
LIMES ROTATIVES CARBURE POUR LA RÉPARATION DE PNEUS

CARBURE



	D1 mm	L1 mm	L2 mm	D2 mm	RN
					€
RN0300	3,00	50	25	3	17,97
RN0600	6,00	80	50	6	43,34
RN0800	8,00	110	50	8	48,82
RN1000	10,00	110	60	10	76,61

LIMES ROTATIVES EN CARBURE, ACCESSOIRES ROTOZIP



Réf.: RR0317

Réf.: RR0635

Réf.: RR0435

Réf.: RR0247

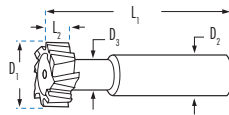
	POUR TRAVAILLER DANS	D1 mm	L1 mm	L2 mm	D2 mm	RR
						€
RR0317	Carrelage	3,17	50	25	3,17	20,72*
RR0635	Carrelage	6,35	50	25	6,35	34,70*
RR0435	Plâtre	6,35	52	32	6,35	43,44*
RR0247	Mortier	2,47	38	14	3,17	15,22*

FRAISES POUR RAINURES

Réf. FF17

**RAINURES
EN "T"**

**DIN
851A**



TOL D1
d11

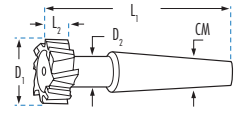
TOL D2
h6

FF17						
D1 x L2 mm	D2 mm	D3 mm	Z	L1 mm	HSSCo €	TiAlN €
11,0x4,0	10	4	4	53,5	81,54	100,66
12,5x6,0	10	5	6	57,0	82,79	103,99
16,0x8,0	10	7	6	62,0	86,59	110,39
18,0x8,0	12	8	8	70,0	90,33	116,88
21,0x9,0	12	10	8	74,0	96,99	136,88
25,0x11,0	16	12	8	82,0	112,90	153,75
32,0x14,0	16	15	10	90,0	148,82	207,38
40,0x18,0	25	19	10	108,0	239,34	333,56
50,0x22,0	32	25	10	124,0	334,15	438,22
60,0x28,0	32	30	10	139,0	349,32	458,13
72,0x35,0	32	35	10	153,0	364,49	478,05

Réf. FF17C

**RAINURES
EN "T"**

**DIN
851B**



TOL D2
h12

FF17C						
D1 x L2 mm	CM	PAS	D2 mm	L1 mm	HSSCo €	TiAlN €
18,0x8,0	1	M6	8	70	98,87	122,61
21,0x9,0	2	M10	10	74	105,85	131,25
25,0x11,0	2	M10	12	82	113,84	141,15
32,0x14,0	2	M10	16	90	157,87	195,76
40,0x18,0	3	M12	20	108	230,29	285,57
50,0x22,0	4	M16	25	124	354,87	440,02
60,0x28,0	4	M16	31	139	469,53	582,22
72,0x35,0	5	M20	36	153	637,32	790,26

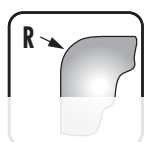
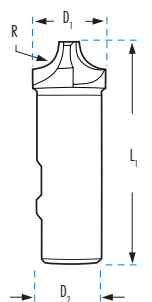
FRAISE 1/4 DE CERCLE

4 Z

**HSSCo
8%**

**DIN
6518N**

WELDON



FF1/4R					
	TOL H11 R	js 15 D1 mm	TOL h6 D2 mm	L1 mm	€
FF1/4R1	1,0	8	10	60	60,87
FF1/4R1.50	1,5	9	10	60	69,32
FF1/4R2	2,0	10	10	60	58,33
FF1/4R2.50	2,5	11	10	60	67,09
FF1/4R3	3,0	12	12	60	66,85
FF1/4R3.50	3,5	13	12	60	87,07
FF1/4R4	4,0	14	12	60	74,21
FF1/4R4.50	4,5	15	12	60	101,03
FF1/4R5	5,0	16	12	60	82,33
FF1/4R5.50	5,5	19	16	67	101,03
FF1/4R6	6,0	20	16	67	84,84
FF1/4R6.50	6,5	21	16	71	128,59
FF1/4R7	7,0	22	16	71	112,10
FF1/4R7.50	7,5	23	16	71	139,96
FF1/4R8	8,0	24	16	71	112,10
FF1/4R8.50	8,5	25	25	85	171,45
FF1/4R9	9,0	26	25	85	138,94
FF1/4R9.50	9,5	27	25	85	180,20
FF1/4R10	10,0	28	25	85	140,38
FF1/4R10.50	10,5	31	25	90	209,93
FF1/4R11	11,0	32	25	90	165,91
FF1/4R12	12,0	34	25	90	166,23
FF1/4R12.50	12,5	41	25	100	215,87
FF1/4R13	13,0	42	25	100	250,09
FF1/4R14	14,0	44	25	100	249,12
FF1/4R15	15,0	46	25	100	310,12
FF1/4R16	16,0	48	25	100	307,15
FF1/4R18	18,0	52	32	112	367,66
FF1/4R20	20,0	58	32	112	403,83

Distributeur : RL DISTRIPRO - 01390 Saint-Andre-de-Corcy - www.rldistribro.com

FRAISES POUR RAINURES

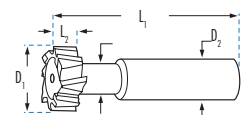
Réf. FF16

**TYPE
WOODRUFF**

**DIN
850B**

**TOL D1
h12**

**TOL D2
h6**

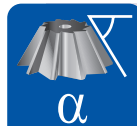
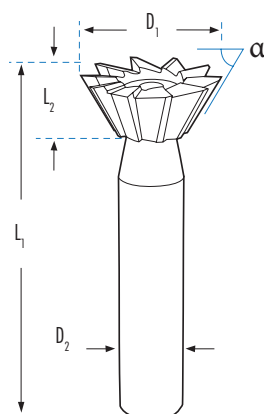


FF16						
D1 x L2 mm	D2 mm	Z	L1 mm	HSSCo €	TiAlN €	
4,5x1,0	6	6	50	52,87	62,84	
7,5x1,5	6	6	50	40,50	48,90	
7,5x2,0	6	6	50	40,50	48,90	
10,5x2,0	6	6	50	51,89	62,86	
10,5x2,5	6	6	50	51,89	62,86	
10,5x3,0	6	6	50	51,89	62,86	
13,5x3,0	10	6	56	51,42	64,51	
13,5x4,0	10	6	56	54,67	68,59	
16,5x3,0	10	6	56	59,10	78,71	
16,5x4,0	10	6	56	59,10	78,71	
16,5x5,0	10	6	56	59,10	76,16	
19,5x4,0	10	8	63	74,76	99,21	
19,5x5,0	10	8	63	74,76	95,07	
19,5x6,0	10	8	63	74,76	95,07	
22,5x5,0	10	8	63	77,80	104,70	
22,5x6,0	10	8	63	72,88	98,56	
22,5x8,0	10	8	63	72,88	98,56	
25,5x6,0	10	10	63	95,89	137,16	
28,5x6,0	10	10	63	97,53	138,80	
28,5x8,0	10	10	63	97,53	138,80	
28,5x10,0	12	10	71	97,53	138,80	
32,5x7,0	12	10	71	118,54	162,79	
32,5x8,0	12	10	71	118,54	162,79	
32,5x10,0	12	10	71	107,65	147,84	
45,5x10,0	12	12	71	151,17	215,97	

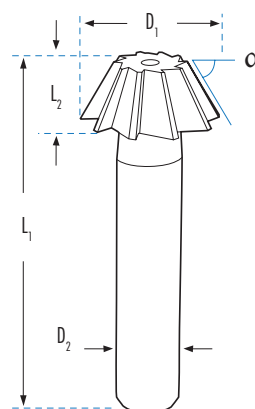
FRAISES À CÔNE INVERSÉ ET CÔNE DROIT À QUEUE CYLINDRIQUE


 Réf. FF98
Réf. FF99

HSSCo

DIN
1833ATOL D1
js16TOL D2
h6
 Réf. FF97
Réf. FF95

HSSCo

DIN
1833BTOL D1
js16TOL D2
h6

FF98

45°	D1 mm	α	D2 mm	L1 mm	L2 mm	Z	€
FF981600	16	45°	12	60	4,0	8	57,35
FF982000	20	45°	12	63	5,0	10	72,49
FF982500	25	45°	12	67	6,3	12	90,12
FF983200	32	45°	16	71	8,0	14	116,95

FF97

45°	D1 mm	α	D2 mm	L1 mm	L2 mm	Z	€
FF971600	16	45°	12	60	4,0	8	54,76
FF972000	20	45°	12	63	5,0	10	69,59
FF972500	25	45°	12	67	6,3	12	87,10
FF973200	32	45°	16	71	8,0	12	113,03

FF99

60°	D1 mm	α	D2 mm	L1 mm	L2 mm	Z	€
FF991600	16	60°	12	60	6,3	8	57,13
FF992000	20	60°	12	63	8,0	10	72,59
FF992500	25	60°	12	67	10,0	12	90,11
FF993200	32	60°	16	71	12,5	14	117,25

FF95

60°	D1 mm	α	D2 mm	L1 mm	L2 mm	Z	€
FF951600	16	60°	12	60	6,3	8	54,54
FF952000	20	60°	12	63	8,0	10	69,45
FF952500	25	60°	12	67	10,0	12	87,29
FF953200	32	60°	16	71	12,5	12	112,75

DIMENSIONS SPÉCIALES

FF99

FF991600-50	16	50°	12	60	5,0	8	79,94
FF992000-50	20	50°	12	63	6,3	10	85,20
FF992500-50	25	50°	12	67	8,0	12	105,28
FF991600-55	16	55°	12	60	5,6	8	79,94
FF992000-55	20	55°	12	63	7,1	10	85,20
FF992500-55	25	55°	12	67	9,0	12	105,28
FF991600-75	16	75°	12	60	8,0	8	79,94
FF992500-75	25	75°	12	67	10,0	12	105,28
FF991600-80	16	80°	12	60	8,0	8	79,94
FF992500-80	25	80°	12	67	10,0	12	105,28
FF991600-85	16	85°	12	60	8,0	8	79,94
FF992500-85	25	85°	12	67	10,0	12	105,28

DIMENSIONS SPÉCIALES

FF95

FF951600-50	16	50°	12	60	5,0	8	66,74
FF952000-50	20	50°	12	63	6,3	10	85,20
FF952500-50	25	50°	12	67	8,0	12	106,29
FF951600-55	16	55°	12	60	5,6	8	66,74
FF952000-55	20	55°	12	63	7,1	10	85,20
FF952500-55	25	55°	12	67	9,0	12	106,29
FF951600-75	16	75°	12	60	8,0	8	66,74
FF952500-75	25	75°	12	67	10,0	12	106,29

FRAISES À QUEUE CONIQUE SÉRIE COURTE

4-8 Z



INOX

Al

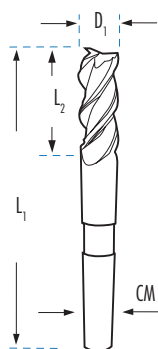
2 Z



Fraises

Rose

SÉRIE COURTE



DIN 845B						MATÉRIEL						DIN 326				FF55					
						FF09		FF35		FF39						FF10		FF46		FF48	
						HSSCo 8%		HSSCo 8%		HSSCo 8%						HSSCo 8%		HSSCo 8%		HSSCo 8%	
						BRILLANT		TiN		TiAlN						BRILLANT		TiN		TiAlN	
						★★		★★★		★★★						★★		★★★		★★★	
FINITION						TOL k10		TOL k10		TOL k10		TOL k12		TOL k12		TOL k12		TOL e8			
						TOL k10		TOL k10		TOL k10		TOL k12		TOL k12		TOL k12					
QUALITÉ						TOL k10		TOL k10		TOL k10		TOL k12		TOL k12		TOL k12					
ÉBAUCHE						TOL k10		TOL k10		TOL k10		TOL k12		TOL k12		TOL k12					
D1 mm	L1 mm	L2 mm	Z	CM	PAS	€	€	€	€	€	€	L1 mm	L2 mm	Z	€						
10,00	92	22	4	1	M6	47,11	65,73	68,96	87,42	104,26	107,30	83	13	2	67,05						
12,00	111	26	4	2	M6	63,99	82,48	85,73	89,11	106,46	110,58	86	16	2	69,60						
14,00	111	26	4	2	M10	70,93	90,34	94,74	101,24	118,96	124,74	101	16	2	72,23						
15,00	111	26	4	2	M10	72,64	94,40	102,75	126,48	145,44	152,52										
16,00	117	32	4	2	M10	59,10	78,49	86,61	88,29	126,08	130,96	104	19	2	64,71						
18,00	117	32	4	2	M10	62,80	81,93	90,39	96,88	135,01	141,60	104	19	2	78,59						
20,00	123	38	4	2	M10	83,61	103,20	108,17	112,29	150,16	157,45	107	22	2	86,82						
22,00	123	38	5	2	M10	83,89	106,32	118,76	123,62	161,34	169,17	107	22	2	102,25						
24,00	147	45	6	3	M12	99,29	114,47	133,30	145,96	211,76	222,04	128	26	2	132,31						
25,00	154	45	5	3	M12	100,30	123,96	148,81	156,57	219,32	229,98	128	26	2	118,19						
26,00	147	45	6	3	M12	119,23	151,53	167,41	168,13	236,05	247,56	128	26	2	132,69*						
28,00	154	50	5	3	M12	124,97	158,82	182,31	175,92	242,78	264,07	128	26	2	141,84						
30,00	154	50	6	3	M12	165,09	218,14	224,41	220,17	281,90	295,63	128	26	2	173,88						
32,00	178	53	6	4	M16	177,24	228,77	260,56	244,92	348,70	365,65	157	32	2	195,35						
36,00	178	53	6	4	M16	213,77	268,28	291,42	296,70	378,52	396,93	157	32	2	249,18						
40,00	188	63	6	4	M16	237,50	296,94	368,15	377,17	463,50	486,03	163	38	2	287,18						
45,00	188	63	6	4	M16	337,68	415,40	466,42	428,69	566,44	593,99	163	38	2	414,74						
50,00	233	75	6	5	M20	414,54	489,16	539,01	549,57	617,64	647,63	203	45	2	521,04						
56,00	233	75	8	5	M20	561,19	624,46	701,15	782,56	798,30	837,11										
63,00	241	90	8	5	M20	704,57	758,58	851,74	947,15	974,02	1.021,35										

*Jusqu'à fin des stocks

Fraises
Rose

FRAISES À QUEUE CONIQUE SÉRIE LONGUE DIN 845B/L

4-8 Z



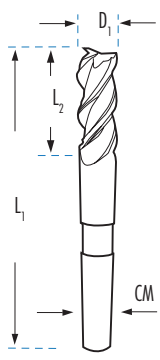




INOX

Al

SÉRIE LONGUE



DIN 845B/L						FF11	FF61	FF71	FF12	FF33	FF43
						MATÉRIEL HSSCo 8%	MATÉRIEL HSSCo 8%	MATÉRIEL HSSCo 8%	MATÉRIEL HSSCo 8%	MATÉRIEL HSSCo 8%	MATÉRIEL HSSCo 8%
						FINITION BRILLANT	FINITION TIN	FINITION TiAlN	FINITION BRILLANT	FINITION TIN	FINITION TiAlN
						QUALITÉ ★★	QUALITÉ ★★★	QUALITÉ ★★★	QUALITÉ ★★	QUALITÉ ★★★	QUALITÉ ★★★
ÉBAUCHE						TOL k10	TOL k10	TOL k10	TOL k12	TOL k12	TOL k12
D1 mm	L1 mm	L2 mm	Z	CM	PAS	€	€	€	€	€	€
10,00	115	45	4	1	M6	89,13	121,00	128,78	127,85	170,44	176,24
12,00	138	53	4	2	M6	91,33	124,56	132,43	130,10	172,67	180,22
14,00	138	53	4	2	M10	96,12	135,30	141,21	163,91	211,93	221,18
15,00	138	53	4	2	M10	105,51	141,86	148,01	188,50	243,51	254,17
16,00	148	63	4	2	M10	97,14	138,30	144,33	136,33	185,93	194,05
18,00	148	63	4	2	M10	98,49	151,82	158,41	141,52	191,69	200,06
20,00	160	75	4	2	M10	129,01	169,83	177,22	139,06	219,95	229,53
22,00	160	75	5	2	M10	148,98	186,88	195,88	159,43	226,82	236,71
24,00	192	90	5	3	M12	166,19	241,98	254,89	188,45	295,91	310,81
25,00	184	80	5	3	M12	167,07	249,71	262,38	189,03	300,18	313,26
26,00	192	90	5	3	M12	200,64	269,61	283,33	249,24	325,53	339,74
28,00	192	90	5	3	M12	203,30	285,29	300,50	249,24	325,53	339,74
30,00	192	90	5	3	M12	231,75	320,34	336,60	275,19	389,90	406,93
32,00	229	100	6	4	M16	260,95	379,32	398,57	316,00	465,48	485,83
36,00	231	106	6	4	M16	351,53	425,34	446,92	353,02	523,72	546,57
40,00	250	125	6	4	M16	390,62	478,58	502,90	384,38	579,84	605,17
45,00	250	125	6	4	M16	526,46	636,36	670,29	525,30	809,86	845,25
50,00	268	110	6	5	M20	642,50	745,54	785,34	550,63	982,12	1.025,01
56,00	308	150	8	5	M20	676,12	778,39	821,29	915,58	1.125,42	1.185,59
63,00	338	180	8	5	M20	894,35	992,75	1.045,53	1.152,69	1.387,05	1.461,16

JEUX DE FRAISES COUPE AU CENTRE EN COFFRETS PLASTIQUE

Fraises

Rose

2 Z



DIN
327



4 Z



DIN
844



RÉFÉRENCE	PTF20	PTF60
N° FRAISES	8	8
TYPE	Réf. FF02	Réf. FF60
QUALITÉ	HSSCo 8%	TiAIN
CONTENU Ø mm	<u>6</u> <u>8</u> <u>10</u> <u>12</u> 2 2 2 2	<u>6</u> <u>8</u> <u>10</u> <u>12</u> 2 2 2 2
PRIX €	143,36	221,90

RÉFÉRENCE	PTF24	PTF64
N° FRAISES	8	8
TYPE	Réf. FF18	Réf. FF20
QUALITÉ	HSSCo 8%	TiAIN
CONTENU Ø mm	<u>6</u> <u>8</u> <u>10</u> <u>12</u> 2 2 2 2	<u>6</u> <u>8</u> <u>10</u> <u>12</u> 2 2 2 2
PRIX €	173,98	252,01

2 Z



DIN
327



4 Z



DIN
844



RÉFÉRENCE	PTF21	PTF61
N° FRAISES	6	6
TYPE	Réf. FF02	Réf. FF60
QUALITÉ	HSSCo 8%	TiAIN
CONTENU Ø mm	6-8-10-12-16-20	6-8-10-12-16-20
PRIX €	158,16	234,17

RÉFÉRENCE	PTF25	PTF65
N° FRAISES	6	6
TYPE	Réf. FF18	Réf. FF20
QUALITÉ	HSSCo 8%	TiAIN
CONTENU Ø mm	6-8-10-12-16-20	6-8-10-12-16-20
PRIX €	189,26	264,58

2 Z



DIN
327



4 Z



DIN
844



RÉFÉRENCE	PTF22	PTF62
N° FRAISES	6	6
TYPE	Réf. FF02	Réf. FF60
QUALITÉ	HSSCo 8%	TiAIN
CONTENU Ø mm	4-5-6-8-10-12	4-5-6-8-10-12
PRIX €	98,76	150,71

RÉFÉRENCE	PTF26	PTF66
N° FRAISES	6	6
TYPE	Réf. FF18	Réf. FF20
QUALITÉ	HSSCo 8%	TiAIN
CONTENU Ø mm	4-5-6-8-10-12	4-5-6-8-10-12
PRIX €	118,47	171,57

JEUX DE FRAISES COUPE AU CENTRE EN COFFRETS MÉTALLIQUES

2 Z

DIN
327

RÉFÉRENCE	FF010787	FF020787	FT020787	FF600787
N° FRAISES	6	6	6	6
TYPE	Réf. FF01	Réf. FF02	Réf. FT02	Réf. FF60
QUALITÉ	HSS	HSSCo 8%	TiAlSiN	TiAlN
CONTENU Ø mm	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12
PRIX €	96,58	122,29	194,02	175,67

RÉFÉRENCE	FF010447	FF020447	FT020447	FF600447
N° FRAISES	6	6	6	6
TYPE	Réf. FF01	Réf. FF02	Réf. FT02	Réf. FF60
QUALITÉ	HSS	HSSCo 8%	TiAlSiN	TiAlN
CONTENU Ø mm	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20
PRIX €	144,47	181,75	290,95	262,20

JEUX DE FRAISES EN COFFRETS MÉTALLIQUES

4 Z

DIN
844

RÉFÉRENCE	FF030787	FF040787	FT040787	FF540787
N° FRAISES	6	6	6	6
TYPE	Réf. FF03	Réf. FF04	Réf. FT04	Réf. FF54
QUALITÉ	HSS	HSSCo 8%	TiAlSiN	TiAlN
CONTENU Ø mm	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12
PRIX €	94,99	125,28	195,23	190,92

RÉFÉRENCE	FF030847	FF040847	FT040847	FF540847
N° FRAISES	6	6	6	6
TYPE	Réf. FF03	Réf. FF04	Réf. FT04	Réf. FF54
QUALITÉ	HSS	HSSCo 8%	TiAlSiN	TiAlN
CONTENU Ø mm	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20
PRIX €	142,36	190,43	291,79	274,25

RÉFÉRENCE	FF250847	FT250847	FF270847
N° FRAISES	6	6	6
TYPE	Réf. FF25	Réf. FT25	Réf. FF27
QUALITÉ	HSSCo 8%	TiAlSiN	TiAlN
CONTENU Ø mm	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20
PRIX €	294,04	438,79	589,14

4 Z

DIN
844

NR

JEUX DE FRAISES EN COFFRETS MÉTALLIQUES

4 Z



DIN
844

RÉFÉRENCE	FF180787	FT180787	FF200787
N° FRAISES	6	6	6
TYPE	Réf. FF18	Réf. FT18	Réf. FF20
QUALITÉ	HSSCo 8%	TiAlSiN	TiAlN
CONTENU Ø mm	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12	4 - 5 - 6 - 8 - 10 - 12
PRIX €	133,38	196,80	187,62



Réf. FF180787

RÉFÉRENCE	FF180847	FT180847	FF200847
N° FRAISES	6	6	6
TYPE	Réf. FF18	Réf. FT18	Réf. FF20
QUALITÉ	HSSCo 8%	TiAlSiN	TiAlN
CONTENU Ø mm	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20	6 - 8 - 10 - 12 - 16 - 20
PRIX €	209,21	307,64	285,70



Réf. FF180847

PRÉSENTOIR MÉTHACRYLATE

Réf. MF-01

MF-01

Contenu: 163 Fraises

Réf. FF13	1 Z	HSSCo	Al	SÉRIE COURTE	$\frac{\varnothing}{\text{Quantité}}$	$\frac{5 \times 8}{5}$	Queue	$\frac{6 \times 8}{5}$	Queue								
Réf. FF14	1 Z	HSSCo	Al	SÉRIE LONGUE	$\frac{\varnothing}{\text{Quantité}}$	$\frac{5 \times 8}{5}$	Queue	$\frac{6 \times 8}{5}$	Queue								
Réf. FF02	2 Z		HSSCo	DIN 327N 	$\frac{\varnothing}{\text{Quantité}}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{4}{5}$	$\frac{5}{5}$	$\frac{6}{5}$	$\frac{7}{5}$	$\frac{8}{5}$	$\frac{9}{5}$	$\frac{10}{5}$	$\frac{12}{5}$	$\frac{14}{5}$	$\frac{16}{3}$
Réf. FF18	4 Z		HSSCo	DIN 844N 	$\frac{\varnothing}{\text{Quantité}}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{4}{5}$	$\frac{5}{5}$	$\frac{6}{5}$	$\frac{7}{5}$	$\frac{8}{5}$	$\frac{9}{5}$	$\frac{10}{5}$	$\frac{12}{5}$	$\frac{14}{5}$	$\frac{16}{3}$
Réf. FF25	4 Z		HSSCo	DIN 844N 		$\frac{\varnothing}{\text{Quantité}}$	$\frac{6}{3}$	$\frac{7}{3}$	$\frac{8}{3}$	$\frac{9}{3}$	$\frac{10}{3}$	$\frac{11}{3}$	$\frac{12}{3}$	$\frac{14}{3}$	$\frac{16}{3}$		



Dimensions: largeur 245 x profondeur 210 x hauteur 350 mm.

NOTE: Compositions spéciales à la demande

PRIX

3.851,10 €

Distributeur : RL DISTRIPRO - 01390 Saint-Andre-de-Corcy - www.rldistipro.com

Fraises

Rose

Fraises

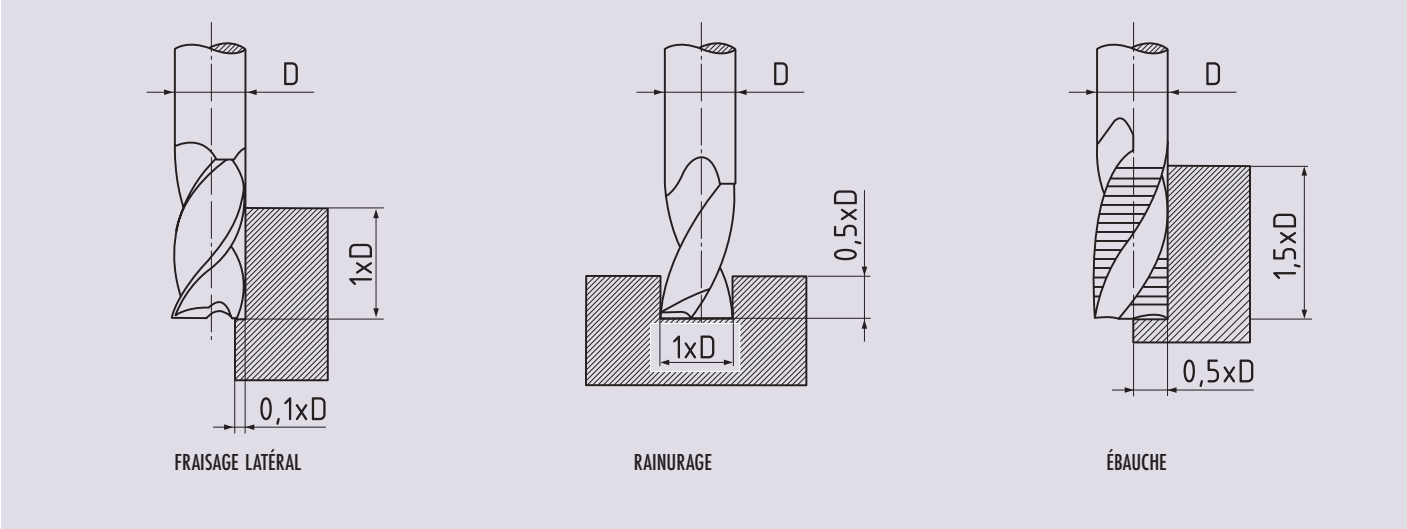
Rose

PARAMÈTRES DE COUPE ORIENTATIFS FRAISES HSSCO 8%

				DIAMÈTRE Ø (mm)												
				2	4	6	8	10	12	18	22	26	30	32	36	40
	ACIER 70 kg/mm²	V/C 39	RPM	6207	3104	2069	1552	1241	1035	690	564	477	414	388	345	310
		Nº lèvres	2	50	56	74	84	82	81	80	81	76	68	68	62	60
			3	74	84	112	126	123	121	120	122	115	102	102	93	89
			4	99	112	149	168	164	161	160	163	153	136	137	124	119
	ACIER TREMPÉ 120 kg/mm²	V/C 20	RPM	3183	1592	1061	796	637	531	354	289	245	212	199	177	159
		Nº lèvres	2	25	29	38	43	42	41	41	42	39	35	35	32	31
			3	38	43	57	64	63	62	62	63	59	52	53	48	46
			4	51	57	76	86	84	83	82	83	78	70	70	64	61
	INOX	V/C 15	RPM	2387	1194	796	597	477	398	265	217	184	159	149	133	119
		Nº lèvres	2	19	21	29	32	32	31	31	31	29	26	26	24	23
			3	29	32	43	48	47	47	46	47	44	39	39	36	34
			4	38	43	57	64	63	62	62	63	59	52	53	48	46
	ALUMINIUM	V/C 230	RPM	36606	18303	12202	9151	7321	6101	4067	3328	2816	2440	2288	2034	1830
		Nº lèvres	2	293	329	439	494	483	476	472	479	451	400	403	366	351
			3	439	494	659	741	725	714	708	719	676	600	604	549	527
			4	586	659	879	988	966	952	944	958	901	800	805	732	703
	TITANE	V/C 12	RPM	1910	955	637	477	382	318	212	174	147	127	119	106	95
		Nº lèvres	2	15	17	23	26	25	25	25	25	24	21	21	19	18
			3	23	26	34	39	38	37	37	38	35	31	32	29	28
			4	31	34	46	52	50	50	49	50	47	42	42	38	37

* Pour fraises revêtues, multiplier les valeurs par 1,3 et pour fraises ASP 60 multiplier les valeurs par 1,8
* V/C: Vitesse de coupe (m/min)

PROFONDEUR DE PASSAGE EN FONCTION DE L'OPÉRATION À RÉALISER





BLUE-MASTER®
by *CE/ESA*



FRAISES CARBURE

Distributeur : RL DISTRIPRO - 01390 Saint-Andre-de-Corcy - www.rldistipro.com

FRAISES CARBURE POUR APPLICATIONS GÉNÉRALES SÉRIE COURTE

USAGE
GÉNÉRAL

CARBURE

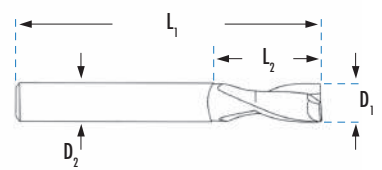


30°
N
CYLINDRIQUE

2Z



3Z



SÉRIE COURTE

MATÉRIEL				FMD2		FMD2TL		FMD63		FMD63TL	
FINITION				CARBURE		CARBURE		CARBURE		CARBURE	
QUALITÉ				BRILLANT		TiAlN		BRILLANT		TiAlN	
				★★		★★★		★★		★★★	
				2Z		2Z		3Z		3Z	
D1	L1	L2	D2		€		€		€		€
mm	mm	mm	mm								
1,00	38	3	3	FMD20100	17,53	FMD20100TIALN	23,24	FMD630100	17,53	FMD630100TIALN	23,24
1,00	50	3	4	FMD20100X50	18,78	FMD20100X50TIALN	25,64	FMD630100X50	18,78	FMD630100X50TIALN	25,64
1,50	38	4	3	FMD20150	17,53	FMD20150TIALN	23,24	FMD630150	17,53	FMD630150TIALN	23,24
1,50	50	4	4	FMD20150X50	18,78	FMD20150X50TIALN	25,64	FMD630150X50	18,78	FMD630150X50TIALN	25,64
2,00	38	6	3	FMD20200	17,53	FMD20200TIALN	23,24	FMD630200	17,53	FMD630200TIALN	23,24
2,00	50	6	4	FMD20200X50	18,78	FMD20200X50TIALN	25,64	FMD630200X50	18,78	FMD630200X50TIALN	25,64
2,50	38	8	3	FMD20250	17,53	FMD20250TIALN	23,24	FMD630250	17,53	FMD630250TIALN	23,24
2,50	50	8	4	FMD20250X50	18,78	FMD20250X50TIALN	25,64	FMD630250X50	18,78	FMD630250X50TIALN	25,64
3,00	38	8	3	FMD20300	16,82	FMD20300TIALN	22,53	FMD630300	16,82	FMD630300TIALN	22,53
3,00	50	8	4	FMD20300X5004	18,49	FMD20300X5004TIALN	26,51	FMD630300X5004	18,49	FMD630300X5004TIALN	26,51
3,00	50	8	6	FMD20300X5006	19,85	FMD20300X5006TIALN	27,71	FMD630300X5006	19,85	FMD630300X5006TIALN	27,71
3,50	50	11	4	FMD20350	19,66	FMD20350TIALN	25,37	FMD630350	19,66	FMD630350TIALN	25,37
4,00	50	11	4	FMD20400	16,71	FMD20400TIALN	22,42	FMD630400	16,71	FMD630400TIALN	22,42
4,00	50	11	6	FMD20400X5006	20,36	FMD20400X5006TIALN	27,80	FMD630400X5006	20,36	FMD630400X5006TIALN	27,80
4,50	50	11	6	FMD20450	21,54	FMD20450TIALN	27,25	FMD630450	21,54	FMD630450TIALN	27,25
5,00	50	13	5	FMD20500	18,98	FMD20500TIALN	24,69	FMD630500	18,98	FMD630500TIALN	24,69
5,00	50	13	6	FMD20500X5006	21,08	FMD20500X5006TIALN	27,98	FMD630500X5006	21,08	FMD630500X5006TIALN	27,98
5,50	50	16	6	FMD20550	20,76	FMD20550TIALN	28,01	FMD630550	20,76	FMD630550TIALN	28,01
6,00	50	16	6	FMD20600	20,77	FMD20600TIALN	26,48	FMD630600	20,77	FMD630600TIALN	26,48
6,00	58	22	6	FMD20600X58	22,32	FMD20600X58TIALN	28,19	FMD630600X58	22,32	FMD630600X58TIALN	28,19
6,35	60	19	8	FMD20635	24,24	FMD20635TIALN	30,00	FMD630635	24,24	FMD630635TIALN	30,00
6,50	60	19	8	FMD20650	27,23	FMD20650TIALN	34,22	FMD630650	27,23	FMD630650TIALN	34,22
7,00	60	19	8	FMD20700	33,98	FMD20700TIALN	40,83	FMD630700	33,98	FMD630700TIALN	40,83
7,50	60	19	8	FMD20750	33,97	FMD20750TIALN	40,84	FMD630750	33,97	FMD630750TIALN	40,84
8,00	60	19	8	FMD20800	30,87	FMD20800TIALN	37,73	FMD630800	30,87	FMD630800TIALN	37,73
8,50	72	22	10	FMD20850	35,88	FMD20850TIALN	42,59	FMD630850	35,88	FMD630850TIALN	42,59
9,00	72	22	10	FMD20900	37,08	FMD20900TIALN	43,55	FMD630900	37,08	FMD630900TIALN	43,55
9,50	72	22	10	FMD20950	49,07	FMD20950TIALN	58,76	FMD630950	49,07	FMD630950TIALN	58,76
10,00	72	22	10	FMD21000	46,37	FMD21000TIALN	54,36	FMD631000	46,37	FMD631000TIALN	54,36
10,00	80	32	10	FMD21000X80	50,27	FMD21000X80TIALN	57,72	FMD631000X80	50,27	FMD631000X80TIALN	57,72
10,50	75	26	12	FMD21050	50,27	FMD21050TIALN	58,67	FMD631050	50,27	FMD631050TIALN	58,67
11,00	75	26	12	FMD21100	67,84	FMD21100TIALN	76,98	FMD631100	67,84	FMD631100TIALN	76,98
12,00	75	26	12	FMD21200	59,13	FMD21200TIALN	68,26	FMD631200	59,13	FMD631200TIALN	68,26
12,50	84	30	14	FMD21250	60,12	FMD21250TIALN	68,27	FMD631250	60,12	FMD631250TIALN	68,27
13,00	84	30	14	FMD21300	60,83	FMD21300TIALN	68,40	FMD631300	60,83	FMD631300TIALN	68,40
14,00	84	30	14	FMD21400	90,84	FMD21400TIALN	102,28	FMD631400	90,84	FMD631400TIALN	102,28
14,00	100	50	14	FMD21400X100	101,15	FMD21400X100TIALN	113,63	FMD631400X100	101,15	FMD631400X100TIALN	113,63
15,00	92	32	16	FMD21500	103,92	FMD21500TIALN	116,40	FMD631500	103,92	FMD631500TIALN	116,40
16,00	92	32	16	FMD21600	117,37	FMD21600TIALN	129,94	FMD631600	117,37	FMD631600TIALN	129,94
16,00	100	50	16	FMD21600X100	126,11	FMD21600X100TIALN	139,55	FMD631600X100	126,11	FMD631600X100TIALN	139,55
17,00	100	38	18	FMD21700	119,39	FMD21700TIALN	133,40	FMD631700	119,39	FMD631700TIALN	133,40
18,00	100	38	18	FMD21800	171,97	FMD21800TIALN	189,12	FMD631800	171,97	FMD631800TIALN	189,12
18,00	100	50	18	FMD21800X10050	188,51	FMD21800X10050TIALN	207,71	FMD631800X10050	188,51	FMD631800X10050TIALN	207,71
19,00	100	38	20	FMD21900	193,31	FMD21900TIALN	212,51	FMD631900	193,31	FMD631900TIALN	212,51
20,00	100	38	20	FMD22000	195,61	FMD22000TIALN	217,32	FMD632000	195,61	FMD632000TIALN	217,32
20,00	100	50	20	FMD22000X10050	206,75	FMD22000X10050TIALN	228,83	FMD632000X10050	206,75	FMD632000X10050TIALN	228,83
22,00	100	38	22	FMD22200	277,79	FMD22200TIALN	312,35	FMD632200	277,79	FMD632200TIALN	312,35
25,00	100	45	25	FMD22500	339,43	FMD22500TIALN	372,57	FMD632500	339,43	FMD632500TIALN	372,57
25,00	110	55	25	FMD22500X110	372,79	FMD22500X110TIALN	418,91	FMD632500X110	372,79	FMD632500X110TIALN	418,91



FMD2 FMD63



44
HRC

FRAISES CARBURE POUR APPLICATIONS GÉNÉRALES SÉRIE COURTE

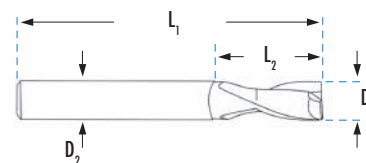
USAGE
GÉNÉRAL

CARBURE



CYLINDRIQUE

4 Z

TOL D1
+0 -0,05TOL D2
h6

SÉRIE COURTE

MATÉRIEL FINITION QUALITÉ				FMD48		FMD48TL	
					CARBURE BRILLANT ★★ 4Z €		CARBURE TiAlN ★★★ 4Z €
D1 mm	L1 mm	L2 mm	D2 mm				
1,00	38	3	3	FMD480100	17,53	FMD480100TIALN	23,24
1,00	50	3	4	FMD480100X50	18,78	FMD480100X50TIALN	25,64
1,50	38	4	3	FMD480150	17,53	FMD480150TIALN	23,24
1,50	50	4	4	FMD480150X50	18,78	FMD480150X50TIALN	25,64
2,00	38	6	3	FMD480200	17,53	FMD480200TIALN	23,24
2,00	50	6	4	FMD480200X50	18,78	FMD480200X50TIALN	25,64
2,50	38	8	3	FMD480250	17,53	FMD480250TIALN	23,24
2,50	50	8	4	FMD480250X50	18,78	FMD480250X50TIALN	25,64
3,00	38	8	3	FMD480300	16,82	FMD480300TIALN	22,53
3,00	50	8	4	FMD480300X5004	18,49	FMD480300X5004TIALN	26,51
3,00	50	8	6	FMD480300X5006	19,85	FMD480300X5006TIALN	27,71
3,50	50	11	4	FMD480350	19,66	FMD480350TIALN	25,37
4,00	50	11	4	FMD480400	16,71	FMD480400TIALN	22,42
4,00	50	11	6	FMD480400X5006	20,36	FMD480400X5006TIALN	27,80
4,50	50	11	6	FMD480450	21,54	FMD480450TIALN	27,25
5,00	50	13	5	FMD480500	18,98	FMD480500TIALN	24,69
5,00	50	13	6	FMD480500X5006	21,08	FMD480500X5006TIALN	27,98
5,50	50	16	6	FMD480550	20,76	FMD480550TIALN	28,01
6,00	50	16	6	FMD480600	20,77	FMD480600TIALN	26,48
6,00	58	22	6	FMD480600X58	22,32	FMD480600X58TIALN	28,19
6,35	60	19	8	FMD480635	24,24	FMD480635TIALN	30,00
6,50	60	19	8	FMD480650	27,23	FMD480650TIALN	34,22
7,00	60	19	8	FMD480700	33,98	FMD480700TIALN	40,83
7,50	60	19	8	FMD480750	33,97	FMD480750TIALN	40,84
8,00	60	19	8	FMD480800	30,87	FMD480800TIALN	37,73
8,50	72	22	10	FMD480850	35,88	FMD480850TIALN	42,59
9,00	72	22	10	FMD480900	37,08	FMD480900TIALN	43,55
9,50	72	22	10	FMD480950	49,07	FMD480950TIALN	58,76
10,00	72	22	10	FMD481000	46,37	FMD481000TIALN	54,36
10,00	80	32	10	FMD481000X80	50,27	FMD481000X80TIALN	57,72
10,50	75	26	12	FMD481050	50,27	FMD481050TIALN	58,67
11,00	75	26	12	FMD481100	67,84	FMD481100TIALN	76,98
12,00	75	26	12	FMD481200	59,13	FMD481200TIALN	68,26
12,50	84	30	14	FMD481250	60,12	FMD481250TIALN	68,27
13,00	84	30	14	FMD481300	60,83	FMD481300TIALN	68,40
14,00	84	30	14	FMD481400	90,84	FMD481400TIALN	102,28
14,00	100	50	14	FMD481400X100	101,15	FMD481400X100TIALN	113,63
15,00	92	32	16	FMD481500	103,92	FMD481500TIALN	116,40
16,00	92	32	16	FMD481600	117,37	FMD481600TIALN	129,94
16,00	100	50	16	FMD481600X100	126,11	FMD481600X100TIALN	139,55
17,00	100	38	18	FMD481700	119,39	FMD481700TIALN	133,40
18,00	100	38	18	FMD481800	171,97	FMD481800TIALN	189,12
18,00	100	50	18	FMD481800X10050	188,51	FMD481800X10050TIALN	207,71
19,00	100	38	20	FMD481900	193,31	FMD481900TIALN	212,51
20,00	100	38	20	FMD482000	195,61	FMD482000TIALN	217,32
20,00	100	50	20	FMD482000X10050	206,75	FMD482000X10050TIALN	228,83
22,00	100	38	22	FMD482200	277,79	FMD482200TIALN	312,35
25,00	100	45	25	FMD482500	339,43	FMD482500TIALN	372,57
25,00	110	55	25	FMD482500X110	375,79	FMD482500X110TIALN	418,91

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FMD48 FMD48TL

44
HRc

Fraises

Rose

FRAISES CARBURE POUR APPLICATIONS GÉNÉRALES SÉRIE LONGUE

USAGE
GÉNÉRAL

CARBURE



2 Z



3 Z



4 Z



SÉRIE LONGUE

MATÉRIEL FINITION QUALITÉ				FMD54		FMD54TL		FMD73		FMD73TL	
					CARBURE		CARBURE		CARBURE		CARBURE
					BRILLANT		TiAIN		BRILLANT		TiAIN
					★★		★★★		★★		★★
D1 mm	L1 mm	L2 mm	D2 mm		2Z		2Z		3Z		3Z
					€		€		€		€
1,00	60	5	3	FMD540100	18,41	FMD540100TIALN	25,55	FMD730100	18,41	FMD730100TIALN	25,55
2,00	60	10	3	FMD540200	18,89	FMD540200TIALN	26,03	FMD730200	18,89	FMD730200TIALN	26,03
3,00	60	15	3	FMD540300	19,40	FMD540300TIALN	26,54	FMD730300	19,40	FMD730300TIALN	26,54
4,00	80	20	4	FMD540400	20,45	FMD540400TIALN	27,58	FMD730400	20,45	FMD730400TIALN	27,58
5,00	80	25	5	FMD540500	25,45	FMD540500TIALN	32,59	FMD730500	25,45	FMD730500TIALN	32,59
6,00	80	25	6	FMD540600	35,89	FMD540600TIALN	43,02	FMD730600	35,89	FMD730600TIALN	43,02
7,00	90	35	8	FMD540700	37,85	FMD540700TIALN	47,69	FMD730700	37,85	FMD730700TIALN	47,69
8,00	90	35	8	FMD540800	40,86	FMD540800TIALN	50,39	FMD730800	40,86	FMD730800TIALN	50,39
9,00	100	45	10	FMD540900	53,36	FMD540900TIALN	64,25	FMD730900	53,36	FMD730900TIALN	64,25
10,00	100	45	10	FMD541000	57,74	FMD541000TIALN	67,27	FMD731000	57,74	FMD731000TIALN	67,27
12,00	100	50	12	FMD541200	78,82	FMD541200TIALN	90,73	FMD731200	78,82	FMD731200TIALN	90,73
14,00	150	65	14	FMD541400	129,70	FMD541400TIALN	145,17	FMD731400	129,70	FMD731400TIALN	145,17
16,00	150	65	16	FMD541600	142,10	FMD541600TIALN	157,57	FMD731600	142,10	FMD731600TIALN	157,57
16,00	150	90	16	FMD541600X15090	156,30	FMD541600X15090TIALN	173,33	FMD731600X15090	156,30	FMD731600X15090TIALN	173,33
20,00	150	70	20	FMD542000	252,06	FMD542000TIALN	275,88	FMD732000	252,06	FMD732000TIALN	275,88
25,00	150	75	25	FMD542500	496,36	FMD542500TIALN	523,31	FMD732500	496,36	FMD732500TIALN	523,31

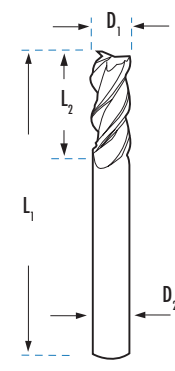


FMD54 FMD73



SÉRIE LONGUE

MATÉRIEL FINITION QUALITÉ				FMD58		FMD58TL	
					CARBURE		CARBURE
					BRILLANT		TiAIN
					★★		★★★
D1 mm	L1 mm	L2 mm	D2 mm		4Z		4Z
					€		€
1,00	60	5	3	FMD580100	18,41	FMD580100TIALN	25,55
2,00	60	10	3	FMD580200	18,89	FMD580200TIALN	26,03
3,00	60	15	3	FMD580300	19,40	FMD580300TIALN	26,54
4,00	80	20	4	FMD580400	20,45	FMD580400TIALN	27,58
5,00	80	25	5	FMD580500	25,45	FMD580500TIALN	32,59
6,00	80	25	6	FMD580600	35,89	FMD580600TIALN	43,02
7,00	90	35	8	FMD580700	37,85	FMD580700TIALN	47,69
8,00	90	35	8	FMD580800	40,86	FMD580800TIALN	50,39
9,00	100	45	10	FMD580900	53,36	FMD580900TIALN	64,25
10,00	100	45	10	FMD581000	57,74	FMD581000TIALN	67,27
12,00	100	50	12	FMD581200	78,82	FMD581200TIALN	90,73
14,00	150	65	14	FMD581400	129,70	FMD581400TIALN	145,17
16,00	150	65	16	FMD581600	142,10	FMD581600TIALN	157,57
16,00	150	90	16	FMD581600X15090	156,30	FMD581600X15090TIALN	173,33
20,00	150	70	20	FMD582000	252,06	FMD582000TIALN	275,88
25,00	150	75	25	FMD582500	496,36	FMD582500TIALN	523,31



FRAISES CARBURE POUR APPLICATIONS GÉNÉRALES SÉRIE EXTRA-LONGUE

USAGE
GÉNÉRAL

CARBURE

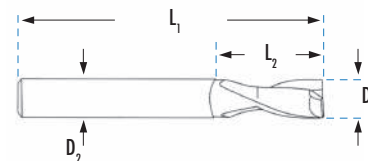


CYLINDRIQUE

2Z



4Z



SÉRIE EXTRA-LONGUE

MATÉRIEL FINITION QUALITÉ				FMD53		FMD53TL		FMD56		FMD56TL	
					CARBURE BRILLANT ★★ 2Z €		CARBURE TiAlN ★★★ 2Z €		CARBURE BRILLANT ★★ 4Z €		CARBURE TiAlN ★★★ 4Z €
Ø mm	L1 mm	L2 mm	D2 mm								
3,00	75	25	3	FMD530300	41,71	FMD530300TiAlN	53,62	FMD560300	43,16	FMD560300TiAlN	55,07
3,00	100	25	3	FMD530300X100	44,46	FMD530300X100TiAlN	56,54	FMD560300X100	45,66	FMD560300X100TiAlN	57,36
4,00	100	25	4	FMD530400	45,32	FMD530400TiAlN	57,23	FMD560400	46,74	FMD560400TiAlN	58,65
5,00	100	25	5	FMD530500	51,22	FMD530500TiAlN	63,13	FMD560500	53,82	FMD560500TiAlN	65,73
6,00	100	25	6	FMD530600X10025	77,25	FMD530600X10025TiAlN	96,96	FMD560600X10025	79,57	FMD560600X10025TiAlN	99,87
6,00	100	40	6	FMD530600X10040	78,85	FMD530600X10040TiAlN	98,11	FMD560600X10040	81,22	FMD560600X10040TiAlN	101,05
6,00	150	25	6	FMD530600X15025	80,80	FMD530600X15025TiAlN	99,36	FMD560600X15025	83,22	FMD560600X15025TiAlN	102,34
6,00	150	40	6	FMD530600X15040	83,36	FMD530600X15040TiAlN	102,25	FMD560600X15040	85,86	FMD560600X15040TiAlN	105,32
6,00	150	75	6	FMD530600	85,49	FMD530600TiAlN	104,54	FMD560600	90,42	FMD560600TiAlN	108,73
8,00	100	45	8	FMD530800X10045	106,33	FMD530800X10045TiAlN	132,36	FMD560800X10045	109,52	FMD560800X10045TiAlN	136,33
8,00	150	25	8	FMD530800X15025	111,11	FMD530800X15025TiAlN	135,37	FMD560800X15025	114,44	FMD560800X15025TiAlN	139,43
8,00	150	45	8	FMD530800X15045	114,45	FMD530800X15045TiAlN	137,89	FMD560800X15045	117,88	FMD560800X15045TiAlN	142,03
8,00	150	75	8	FMD530800	117,71	FMD530800TiAlN	140,34	FMD560800	124,50	FMD560800TiAlN	146,25
10,00	150	38	10	FMD531000X15038	137,36	FMD531000X15038TiAlN	169,69	FMD561000X15038	141,48	FMD561000X15038TiAlN	174,78
10,00	150	50	10	FMD531000X15050	141,41	FMD531000X15050TiAlN	172,25	FMD561000X15050	145,65	FMD561000X15050TiAlN	177,42
10,00	150	65	10	FMD531000X15065	145,36	FMD531000X15065TiAlN	175,75	FMD561000X15065	149,72	FMD561000X15065TiAlN	181,02
10,00	150	75	10	FMD531000	149,10	FMD531000TiAlN	178,87	FMD561000	164,01	FMD561000TiAlN	193,77
12,00	150	38	12	FMD531200X15038	199,96	FMD531200X15038TiAlN	241,14	FMD561200X15038	205,96	FMD561200X15038TiAlN	248,37
12,00	150	50	12	FMD531200X15050	205,36	FMD531200X15050TiAlN	247,47	FMD561200X15050	211,52	FMD561200X15050TiAlN	254,89
12,00	150	75	12	FMD531200	218,16	FMD531200TiAlN	256,26	FMD561200	239,97	FMD561200TiAlN	278,08
12,00	200	38	12	FMD531200X20038	231,25	FMD531200X20038TiAlN	272,36	FMD561200X20038	258,36	FMD561200X20038TiAlN	281,11
14,00	150	75	14	FMD531400	301,59	FMD531400TiAlN	348,03	FMD561400	331,75	FMD561400TiAlN	378,19
16,00	200	75	16	FMD531600	409,75	FMD531600TiAlN	463,33	FMD561600	450,73	FMD561600TiAlN	504,31
20,00	200	75	20	FMD532000	639,35	FMD532000TiAlN	710,79	FMD562000	639,35	FMD562000TiAlN	710,79



FMD53 FMD56

44
HRc

Fraises

Rose

FRAISES HÉMISPHÉRIQUES CARBURE POUR APPLICATIONS GÉNÉRALES SÉRIE COURTE ET LONGUE

Fraises

Rose

USAGE
GÉNÉRAL

CARBURE

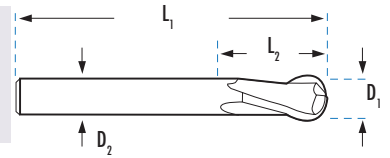


30°
N
CYLINDRIQUE

2Z



4Z



SÉRIE COURTE

MATÉRIEL FINITION QUALITÉ				FMD92		FMD92TL		FMD51		FMD51TL	
				CARBURE BRILLANT ★★ 2Z	€	CARBURE TiAlN ★★★ 2Z	€	CARBURE BRILLANT ★★ 4Z	€	CARBURE TiAlN ★★★ 4Z	€
D1 mm	L1 mm	L2 mm	D2 mm								
1,00	38	2	3	FMD920100	21,91	FMD920100TIALN	27,86	FMD510100		FMD510100TIALN	
1,00	50	2	4	FMD920100X50	26,56	FMD920100X50TIALN	34,12	FMD510100X50		FMD510100X50TIALN	
1,50	38	3	3	FMD920150	21,91	FMD920150TIALN	27,86	FMD510150		FMD510150TIALN	
1,50	50	3	4	FMD920150X50	26,56	FMD920150X50TIALN	34,12	FMD510150X50		FMD510150X50TIALN	
2,00	38	4	3	FMD920200	21,91	FMD920200TIALN	27,86	FMD510200		FMD510200TIALN	
2,00	50	4	4	FMD920200X50	26,56	FMD920200X50TIALN	34,12	FMD510200X50		FMD510200X50TIALN	
2,50	38	5	3	FMD920250	21,91	FMD920250TIALN	27,86	FMD510250X50		FMD510250X50TIALN	
3,00	38	6	3	FMD920300	21,91	FMD920300TIALN	27,86	FMD510300	24,11	FMD510300TIALN	30,65
3,00	50	6	4	FMD920300X50	26,56	FMD920300X50TIALN	34,12	FMD510300X50		FMD510300X50TIALN	
4,00	50	8	4	FMD920400	24,97	FMD920400TIALN	30,92	FMD510400	27,47	FMD510400TIALN	34,01
5,00	50	10	5	FMD920500	26,42	FMD920500TIALN	32,38	FMD510500	29,06	FMD510500TIALN	35,61
6,00	50	12	6	FMD920600	31,09	FMD920600TIALN	37,04	FMD510600	34,21	FMD510600TIALN	40,75
7,00	60	15	8	FMD920700	37,85*	FMD920700TIALN	44,25	FMD510700	40,55	FMD510700TIALN	47,96
8,00	60	15	8	FMD920800	38,38	FMD920800TIALN	45,52	FMD510800	47,99	FMD510800TIALN	56,91
10,00	75	20	10	FMD921000	57,67	FMD921000TIALN	66,00	FMD511000	72,07	FMD511000TIALN	82,50
12,00	75	20	12	FMD921200	71,65	FMD921200TIALN	81,17	FMD511200	89,55	FMD511200TIALN	101,46
14,00	90	25	14	FMD921400	106,06	FMD921400TIALN	117,97	FMD511400	132,58	FMD511400TIALN	147,46
16,00	100	25	16	FMD921600	134,19	FMD921600TIALN	147,28	FMD511600	167,74	FMD511600TIALN	184,11
18,00	100	30	18	FMD921800	199,51	FMD921800TIALN	217,37	FMD511800	249,39	FMD511800TIALN	271,72
20,00	100	30	20	FMD922000	206,84	FMD922000TIALN	229,46	FMD512000	258,53	FMD512000TIALN	286,82

TOL D1
+0 -0,05

TOL D2
h6



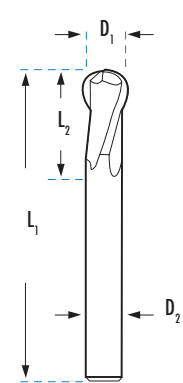
FMD92 FMD51

44
HRc

*Jusqu'à fin des stocks

SÉRIE LONGUE

MATÉRIEL FINITION QUALITÉ				FMD57		FMD57TL	
				CARBURE BRILLANT ★★ 2Z	€	CARBURE TiAlN ★★★ 2Z	€
D1 mm	L1 mm	L2 mm	D2 mm				
1,00	60	2	3	FMD570100	33,03	FMD570100TIALN	40,18
1,50	60	3	3	FMD570150	33,03	FMD570150TIALN	40,18
2,00	60	3	3	FMD570200	33,03	FMD570200TIALN	40,18
2,50	60	3	3	FMD570250	33,03	FMD570250TIALN	40,18
3,00	60	4	3	FMD570300	33,03	FMD570300TIALN	40,18
4,00	80	5	4	FMD570400	38,34	FMD570400TIALN	45,49
5,00	80	6	5	FMD570500	45,35	FMD570500TIALN	52,50
6,00	80	8	6	FMD570600	53,01	FMD570600TIALN	60,14
8,00	100	12	8	FMD570800	69,96	FMD570800TIALN	79,49
10,00	100	15	10	FMD571000	86,44	FMD571000TIALN	97,16
12,00	100	15	12	FMD571200	149,80	FMD571200TIALN	161,71
14,00	150	20	14	FMD571400	187,83	FMD571400TIALN	203,32
16,00	150	20	16	FMD571600	237,24	FMD571600TIALN	252,72
20,00	150	25	20	FMD572000	409,69	FMD572000TIALN	513,50



44
HRc

FRAISES HÉMISPHÉRIQUES CARBURE POUR APPLICATIONS GÉNÉRALES SÉRIE EXTRA-LONGUE

**USAGE
GÉNÉRAL**

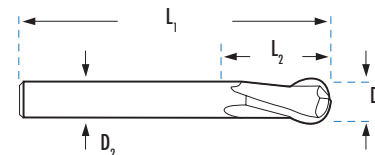
CARBURE



**30°
N**

CYLINDRIQUE

2Z



SÉRIE EXTRA-LONGUE

MATÉRIEL				FMD55		FMD55TL	
FINITION				CARBURE		CARBURE	
QUALITÉ				BRILLANT		TiAlN	
				★★		★★★	
				2Z		2Z	
D1 mm	L1 mm	L2 mm	D2 mm		€		€
3,00	75	6	3	FMD550300	39,59	FMD550300TiAlN	51,50
3,00	100	6	3	FMD550300X100	42,42	FMD550300X100TiAlN	55,36
4,00	100	6	4	FMD550400	45,67	FMD550400TiAlN	57,57
5,00	100	6	5	FMD550500	55,19	FMD550500TiAlN	67,10
6,00	100	15	6	FMD550600	69,36	FMD550600TiAlN	81,27
6,00	150	15	6	FMD550600X150	81,81	FMD550600X150TiAlN	96,31
6,00	200	30	6	FMD550600X200	96,36	FMD550600X200TiAlN	109,12
8,00	150	25	8	FMD550800	93,17	FMD550800TiAlN	111,03
8,00	200	50	8	FMD550800X200	112,12	FMD550800X200TiAlN	132,11
10,00	150	25	10	FMD551000	131,27	FMD551000TiAlN	149,13
10,00	200	50	10	FMD551000X200	149,99	FMD551000X200TiAlN	171,71
12,00	150	25	12	FMD551200	208,78	FMD551200TiAlN	242,11
12,00	200	25	12	FMD551200X200	256,36	FMD551200X200TiAlN	294,22
14,00	200	50	14	FMD551400	256,40	FMD551400TiAlN	294,51
16,00	200	50	16	FMD551600	344,51	FMD551600TiAlN	386,18



FMD55 FMD55TL



CONDITIONS DE COUPE INDICATIVES

		Ø2	Ø3	Ø4	Ø5	Ø6	Ø8	Ø 10	Ø12	Ø14
 44 HRc	RPM	4000	2600	2000	1600	1300	1000	800	660	570
	AVANCE (mm/min)	50	55	55	55	55	55	55	55	55
 INOX Ti	RPM	8000	5300	4000	3200	2600	2000	1600	1300	1100
	AVANCE (mm/min)	55	55	55	55	60	60	60	60	60
 Al	RPM	16000	11000	8000	6400	5300	4000	3200	2600	2300
	AVANCE (mm/min)	290	290	290	290	290	290	290	290	300

* Pour obtenir les conditions de coupe pour les fraises revêtues en TiAlN, multiplier les valeurs du tableau par 1,3

Fraises

Rose

FRAISES CARBURE HAUTES PERFORMANCES

USAGE GÉNÉRAL

CARBURE

CYLINDRIQUE

2Z

3Z

4Z

HAUTE PERFORMANCE

Micro Grain CARBURE

SÉRIE COURTE

TOL D1
+0 -0,05

TOL D2
h6

HÉLICE VARIABLE

				FMT2	FMT63	FMT48
MATÉRIEL						
FINITION				CARBURE	CARBURE	CARBURE
				TiAlSiN	TiAlSiN	TiAlSiN
QUALITÉ						
				2Z	3Z	4Z
D1	L1	L2	D2	€	€	€
1,00	38	3	3	45,85	45,85	45,85
1,50	38	4	3	44,77	44,77	44,77
2,00	38	6	3	35,63	35,63	35,63
2,50	38	8	3	34,82	34,82	34,82
3,00	38	8	3	29,99	29,99	29,99
3,50	50	11	4	36,81	36,81	36,81
4,00	50	11	4	34,20	34,20	34,20
4,50	50	13	5	43,74	43,74	43,74
5,00	50	13	5	43,21	43,21	43,21
6,00	50	16	6	48,71	48,71	48,71
7,00	60	16	8	67,94	67,94	67,94
8,00	60	19	8	57,66	57,66	57,66
9,00	72	19	10	82,67	82,67	82,67
10,00	72	22	10	91,92	91,92	91,92
11,00	75	26	12	122,27	122,27	122,27
12,00	75	26	12	113,69	113,69	113,69
14,00	84	30	14	169,00	169,00	169,00
16,00	92	32	16	218,92	218,92	218,92
18,00	100	38	18	304,21	304,21	304,21
20,00	100	38	20	346,83	346,83	346,83
25,00	100	38	25	569,30		569,30

				FMT81
MATÉRIEL				
FINITION				CARBURE
				TiAlSiN
QUALITÉ				
				4Z
D1	L1	L2	D2	€
1,00	38	3	3	
1,50	38	5	3	
2,00	38	6	3	
2,50	38	7	3	
3,00	38	12	3	
3,50	50	12	4	
4,00	50	14	4	
4,50	50	14	5	
5,00	50	16	5	47,54
6,00	63	19	6	53,59
7,00	63	19	8	
8,00	63	19	8	63,42
9,00	70	22	10	
10,00	70	22	10	101,10
11,00	75	25	11	
12,00	75	25	12	125,05
14,00	88	30	14	185,89
16,00	88	32	16	240,81
18,00	100	36	18	334,62
20,00	100	36	20	381,51
25,00	100	38	25	

				FMT92
MATÉRIEL				
FINITION				CARBURE
				TiAlSiN
QUALITÉ				
				2Z
D1	L1	L2	D2	€
1,00	38	2	3	
1,50	38	3	3	
2,00	38	4	3	
2,50	38	5	3	
3,00	38	6	3	39,59
4,00	50	8	4	43,92
5,00	50	10	5	54,29
6,00	50	12	6	62,11
8,00	60	15	8	76,36
10,00	75	20	10	110,69
12,00	75	20	12	136,13
14,00	90	25	14	197,84
16,00	100	25	16	247,01
18,00	100	30	18	364,56
20,00	100	30	20	384,81

* FMT81: Fraise 4 lèvres, coupe au centre, hélice variable, revêtement TiAlSiN.
La double hélice réduit les vibrations et permet, conjointement avec le revêtement TiAlSiN, un rendement extrêmement élevé.

CONDITIONS DE COUPE INDICATIVES		Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	Ø 25
	RPM	5600	3640	2800	2240	1820	1400	1120	924	798	700	560	420
	AVANCE (mm/min)	70	77	77	77	77	77	77	77	77	91	91	70
INOX	RPM	11200	7420	5600	4480	3640	2800	2240	1820	1540	1400	1120	840
	AVANCE (mm/min)	77	77	77	77	84	84	84	84	84	98	98	77
Ni	RPM	11200	7420	5600	4480	3640	2800	2240	1820	1540	1400	1120	840
	AVANCE (mm/min)	77									98	98	77

FRAISES TORIQUES CARBURE

NEW

Réf. FMG10R
Réf. FMG54R

**USAGE
GÉNÉRAL
TORIQUES**

CARBURE



TiAlN

2 Z



4 Z

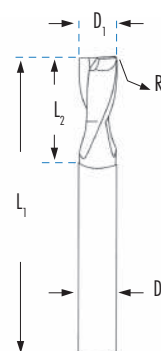


**Micro Grain
CARBURE**

Fraises

Rose

					FMG10R		FMG54R	
					MATÉRIEL FINITION QUALITÉ	CARBURE	CARBURE	CARBURE
D1 mm	D2 mm	R mm	L2 mm	L1 mm		TiAlN	TiAlN	TiAlN
						★★	★★★	★★★
						2Z	4Z	4Z
						€	€	€
2	6	0,2	6	50	FMG100200R0,2	27,39	FMG540200R0,2	27,39
2	6	0,5	6	50	FMG100200R0,5	27,39	FMG540200R0,5	27,39
3	6	0,2	8	50	FMG100300R0,2	27,39	FMG540300R0,2	27,39
3	6	0,5	8	50	FMG100300R0,5	27,39	FMG540300R0,5	27,39
4	6	0,2	11	50	FMG100400R0,2	27,39	FMG540400R0,2	27,39
4	6	0,5	11	50	FMG100400R0,5	27,39	FMG540400R0,5	27,39
4	6	1,0	11	50	FMG100400R1	27,39	FMG540400R1	27,39
5	6	0,2	12	50	FMG100500R0,2	27,39	FMG540500R0,2	27,39
5	6	0,5	12	50	FMG100500R0,5	27,39	FMG540500R0,5	27,39
5	6	1,0	12	50	FMG100500R1	27,39	FMG540500R1	27,39
6	6	0,2	12	50	FMG100600R0,2	27,39	FMG540600R0,2	27,39
6	6	0,5	13	50	FMG100600R0,5	27,39	FMG540600R0,5	27,39
6	6	1,0	13	50	FMG100600R1	27,39	FMG540600R1	27,39
6	6	1,5	13	50	FMG100600R1,5	27,39	FMG540600R1,5	27,39
6	6	2,0	13	50	FMG100600R2	27,39	FMG540600R2	27,39
8	8	0,2	15	60	FMG100800R0,2	37,70	FMG540800R0,2	37,70
8	8	0,5	15	60	FMG100800R0,5	37,70	FMG540800R0,5	37,70
8	8	1,0	15	60	FMG100800R1	37,70	FMG540800R1	37,70
8	8	1,5	15	60	FMG100800R1,5	37,70	FMG540800R1,5	37,70
8	8	2,0	15	60	FMG100800R2	37,70	FMG540800R2	37,70
10	10	0,5	20	72	FMG101000R0,5	51,91	FMG541000R0,5	51,91
10	10	1,0	20	72	FMG101000R1	51,91	FMG541000R1	51,91
10	10	1,5	20	72	FMG101000R1,5	51,91	FMG541000R1,5	51,91
10	10	2,0	20	72	FMG101000R2	51,91	FMG541000R2	51,91
10	10	3,0	20	72	FMG101000R3	51,91	FMG541000R3	51,91
12	12	0,5	24	75	FMG101200R0,5	73,32	FMG541200R0,5	73,32
12	12	1,0	24	75	FMG101200R1	73,32	FMG541200R1	73,32
12	12	1,5	24	75	FMG101200R1,5	73,32	FMG541200R1,5	73,32
12	12	2,0	24	75	FMG101200R2	73,32	FMG541200R2	73,32
12	12	3,0	24	75	FMG101200R3	73,32	FMG541200R3	73,32
16	16	0,5	30	92	FMG101600R0,5	137,63	FMG541600R0,5	137,63
16	16	1,0	30	92	FMG101600R1	137,63	FMG541600R1	137,63
16	16	2,0	30	92	FMG101600R2	137,63	FMG541600R2	137,63
16	16	3,0	30	92	FMG101600R3	137,63	FMG541600R3	137,63
16	16	4,0	30	92	FMG101600R4	137,63	FMG541600R4	137,63



FRAISES CARBURE MICROMÉTRIQUES AVEC ET SANS DÉGAGEMENT

Fraises

Rose

NEW

Réf. FMD22
Réf. FMD35USAGE
GÉNÉRAL
MICRO

CARBURE



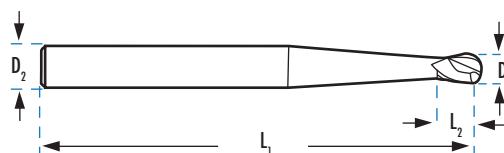
CYLINDRIQUE

TiAlN

2 Z

Micro Grain
CARBURE

SANS COU

44
HRc

FRAISES HÉMISPÉRIQUES

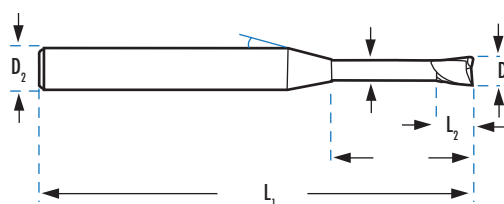
FMD22

					FMD22
	TOL -0,015	TOL h6			
	D1 mm	D2 mm	L2 mm	L1 mm	
FMD220020X04	0,2	4	0,4	50	38,57
FMD220030X06	0,3	4	0,6	50	36,78
FMD220040X08	0,4	4	0,8	50	34,41
FMD220050X10	0,5	4	1,0	50	32,50
FMD220060X12	0,6	4	1,2	50	32,50
FMD220070X14	0,7	4	1,4	50	32,50
FMD220080X16	0,8	4	1,6	50	32,50
FMD220090X18	0,9	4	1,8	50	32,50

FMD35

	TOL				FMD3500
	TOL -0,015	TOL h6			
	D1 mm	D2 mm	L2 mm	L1 mm	
FMD350020X04	0,2	4	0,4	50	48,45
FMD350030X06	0,3	4	0,6	50	44,63
FMD350040X08	0,4	4	0,8	50	39,09
FMD350050X10	0,5	4	1,0	50	37,21
FMD350060X12	0,6	4	1,2	50	37,21
FMD350070X14	0,7	4	1,4	50	37,21
FMD350080X16	0,8	4	1,6	50	37,21
FMD350090X18	0,9	4	1,8	50	37,21

AVEC COU

44
HRc

FRAISES HÉMISPÉRIQUES

FMD22

	TOL -0,015	TOL h6						€
	D1 mm	D2 mm	D3 mm	L3 mm	L2 mm	L1 mm		
FMD220050X04	0,5	4	0,48	4	0,7	50	34,58	
FMD220050X06	0,5	4	0,48	6	0,7	50	34,58	
FMD220060X04	0,6	4	0,57	4	0,9	50	34,58	
FMD220060X06	0,6	4	0,57	6	0,9	50	34,58	
FMD220060X08	0,6	4	0,57	8	0,9	50	34,58	
FMD220080X06	0,8	4	0,76	6	1,2	50	34,58	
FMD220080X08	0,8	4	0,76	8	1,2	50	34,58	
FMD220080X10	0,8	4	0,76	10	1,2	50	34,58	
FMD220120X06	1,2	4	1,15	6	1,8	50	23,40	
FMD220120X08	1,2	4	1,15	8	1,8	50	23,40	
FMD220120X10	1,2	4	1,15	10	1,8	50	23,40	

FMD35

	TOL -0,015	TOL h6					€
	D1 mm	D2 mm	D3 mm	L3 mm	L2 mm	L1 mm	
FMD350050X04	0,5	4	0,48	4	0,7	50	41,86
FMD350050X06	0,5	4	0,48	6	0,7	50	41,86
FMD350060X04	0,6	4	0,57	4	0,9	50	41,86
FMD350060X06	0,6	4	0,57	6	0,9	50	41,86
FMD350060X08	0,6	4	0,57	8	0,9	50	41,86
FMD350080X06	0,8	4	0,76	6	1,2	50	41,86
FMD350080X08	0,8	4	0,76	8	1,2	50	41,86
FMD350080X10	0,8	4	0,76	10	1,2	50	41,86
FMD350120X06	1,2	4	1,15	6	1,8	50	24,44
FMD350120X08	1,2	4	1,15	8	1,8	50	24,44
FMD350120X10	1,2	4	1,15	10	1,8	50	24,44

FRAISES CARBURE À DÉGAGEMENT

NEW

Réf. FMD22
Réf. FMD44
Réf. FMD35USAGE
GÉNÉRAL
MICRO

CARBURE



30°



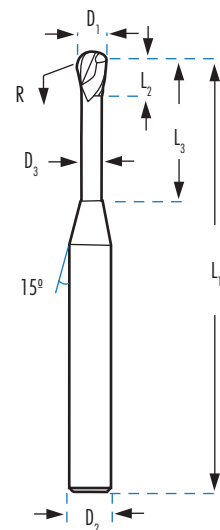
CYLINDRIQUE

TiAlN

Ø
1-5 mmMicro Grain
CARBURE44
HRc

2Z

4Z

R_z : 0,01 mm

MATÉRIEL FINITION QUALITÉ							FMD22		FMD44		FMD35	
							CARBURE		CARBURE		CARBURE	
							TiAlN		TiAlN		TiAlN	
							★★		★★★		★★	
							2Z		4Z		2Z	
D1 mm	D2 mm	D3 mm	L3 mm	L2 mm	L1 mm		€		€		€	
1,0	6	0,95	5	1,5	57	FMD220100X05	32,07	FMD440100X05		FMD350100X05	32,85	
1,0	6	0,95	8	1,5	57	FMD220100X08	32,07	FMD440100X08		FMD350100X08	33,80	
1,0	6	0,95	10	1,5	57	FMD220100X10	32,07	FMD440100X10		FMD350100X10	33,80	
1,0	6	0,95	12	1,5	65	FMD220100X12	33,80	FMD440100X12		FMD350100X12	35,36	
1,0	6	0,95	15	1,5	65	FMD220100X15	33,80	FMD440100X15		FMD350100X15	35,36	
1,0	6	0,95	20	1,5	65	FMD220100X20	33,80	FMD440100X20		FMD350100X20	35,36	
1,5	6	1,42	5	2,0	57	FMD220150X05	32,07	FMD440150X05		FMD350150X05	33,80	
1,5	6	1,42	8	2,0	57	FMD220150X08	32,07	FMD440150X08		FMD350150X08	33,80	
1,5	6	1,42	10	2,0	57	FMD220150X10	32,07	FMD440150X10		FMD350150X10	33,80	
1,5	6	1,42	12	2,0	65	FMD220150X12	33,80	FMD440150x12		FMD350150X12	35,36	
1,5	6	1,42	15	2,0	65	FMD220150X15	33,80	FMD440150X15		FMD350150X15	35,36	
1,5	6	1,42	20	2,0	65	FMD220150X20	33,80	FMD440150X20		FMD350150X20	35,36	
1,5	6	1,42	25	2,0	65	FMD220150X25	33,80	FMD440150X25		FMD350150X25	-	
2,0	6	1,92	6	3,0	57	FMD220200X06	32,07	FMD440200X06	32,07	FMD350200X06	33,80	
2,0	6	1,92	8	3,0	57	FMD220200X08	32,07	FMD440200X08	32,07	FMD350200X08	33,80	
2,0	6	1,92	10	3,0	57	FMD220200X10	32,07	FMD440200X10	32,07	FMD350200X10	33,80	
2,0	6	1,92	12	3,0	60	FMD220200X12	32,93	FMD440200X12	32,93	FMD350200X12	33,80	
2,0	6	1,92	14	3,0	65	FMD220200X14	33,80	FMD440200X14	33,80	FMD350200X14	33,80	
2,0	6	1,92	16	3,0	65	FMD220200X16	33,80	FMD440200X16	33,80	FMD350200X16	34,63	
2,0	6	1,92	20	3,0	65	FMD220200X20	33,80	FMD440200X20	33,80	FMD350200X20	34,63	
2,0	6	1,92	25	3,0	65	FMD220200X25	33,80	FMD440200X25	33,80	FMD350200X25	34,63	
2,0	6	1,92	30	3,0	80	FMD220200X30	41,08	FMD440200X30	41,08	FMD350200X30	42,55	
2,0	6	1,92	35	2,0	80	FMD220200X35	41,08	FMD440200X35	41,08	FMD350200X35	42,55	
2,0	6	1,92	40	3,0	80	FMD220200X40	41,08	FMD440200X40	41,08	FMD350200X40	42,90	
2,0	6	1,92	50	3,0	100	FMD220200X50	44,20	FMD440200X50	44,20	FMD350200X50	46,77	
2,5	6	2,40	10	4,0	57	FMD220250X10	32,07	FMD440250X10	32,07	FMD350250X10	-	
2,5	6	2,40	16	4,0	65	FMD220250X16	33,80	FMD440250X16	33,80	FMD350250X16	-	
2,5	6	2,40	20	4,0	65	FMD220250X20	33,80	FMD440250X20	33,80	FMD350250X20	34,63	
2,5	6	2,40	30	4,0	80	FMD220250X30	41,08	FMD440250X30	41,08	FMD350250X30	42,90	
2,5	6	2,40	40	4,0	80	FMD220250X40	41,08	FMD440250X40	41,08	FMD350250X40	42,90	
3,0	6	2,90	9	5,0	57	FMD220300X09	32,07	FMD440300X09	32,07	FMD350300X09	34,63	
3,0	6	2,90	12	5,0	60	FMD220300X12	32,93	FMD440300X12	32,93	FMD350300X12	34,63	
3,0	6	2,90	15	5,0	65	FMD220300X15	33,80	FMD440300X15	33,80	FMD350300X15	34,63	
3,0	6	2,90	20	5,0	65	FMD220300X20	33,80	FMD440300X20	33,80	FMD350300X20	34,63	
3,0	6	2,90	25	5,0	65	FMD220300X25	33,80	FMD440300X25	33,80	FMD350300X25	35,36	
3,0	6	2,90	30	5,0	80	FMD220300X30	41,08	FMD440300X30	41,08	FMD350300X30	42,90	
3,0	6	2,90	35	5,0	80	FMD220300X35	41,08	FMD440300X35	41,08	FMD350300X35	42,90	
3,0	6	2,90	40	5,0	80	FMD220300X40	41,08	FMD440300X40	41,08	FMD350300X40	42,90	
3,0	6	2,90	50	5,0	100	FMD220300X50	44,20	FMD440300X50	44,20	FMD350300X50	46,77	
4,0	6	3,90	10	6,0	57	FMD220400X10	32,07	FMD440400X10	32,07	FMD350400X10	33,80	
4,0	6	3,90	12	6,0	60	FMD220400X12	32,93	FMD440400X12	32,93	FMD350400X12	34,63	
4,0	6	3,90	16	6,0	65	FMD220400X16	33,80	FMD440400X16	33,80	FMD350400X16	34,63	
4,0	6	3,90	20	6,0	65	FMD220400X20	33,80	FMD440400X20	33,80	FMD350400X20	34,63	
4,0	6	3,90	25	6,0	65	FMD220400X25	33,80	FMD440400X25	33,80	FMD350400X25	35,36	
4,0	6	3,90	30	6,0	80	FMD220400X30	41,08	FMD440400X30	41,08	FMD350400X30	42,90	
4,0	6	3,90	35	6,0	80	FMD220400X35	41,08	FMD440400X35	41,08	FMD350400X35	42,90	
4,0	6	3,90	40	6,0	80	FMD220400X40	41,08	FMD440400X40	41,08	FMD350400X40	42,90	
4,0	6	3,90	50	6,0	100	FMD220400X50	44,20	FMD440400X50	44,20	FMD350400X50	46,77	
5,0	6	4,80	12	7,0	60	FMD220500X12	32,93	FMD440500X12	32,93	FMD350500X12	-	
5,0	6	4,80	20	7,0	65	FMD220500X20	33,80	FMD440500X20	33,80	FMD350500X20	34,63	
5,0	6	4,80	30	7,0	80	FMD220500X30	41,08	FMD440500X30	41,08	FMD350500X30	42,90	
5,0	6	4,80	40	7,0	80	FMD220500X40	41,08	FMD440500X40	41,08	FMD350500X40	42,90	
5,0	6	4,80	50	7,0	100	FMD220500X50	44,20	FMD440500X50	44,20	FMD350500X50	46,77	

FRAISES CARBURE ÉBAUCHE PROFIL MOYEN

USAGE
GÉNÉRAL

CARBURE



CYLINDRIQUE

TiAlN

56
HRc

SÉRIE COURTE

FMD3					
D ₁ mm	D ₂ mm	L ₁ mm	L ₂ mm	Z	€
TOL D ₁ +0 -0,05	TOL D ₂ h6				
6	6	50	16	4	35,85
8	8	60	19	4	48,58
10	10	75	22	4	74,76
12	12	75	26	4	102,61
16	16	92	32	4	233,43
20	20	100	38	4	349,80



SÉRIE LONGUE

FMD43					
D ₁ mm	D ₂ mm	L ₁ mm	L ₂ mm	Z	€
TOL D ₁ +0 -0,05	TOL D ₂ h6				
6	6	80	25	4	51,95
8	8	90	35	4	72,59
10	10	100	45	4	110,55
12	12	100	50	4	146,00
16	16	150	65	4	337,03
20	20	150	70	4	515,70



FRAISES CARBURE ÉBAUCHE, PROFIL FIN ET GROS

USAGE
GÉNÉRAL

CARBURE



CYLINDRIQUE

USAGE
GÉNÉRAL

CARBURE



CYLINDRIQUE

56
HRc

FMD1					
D ₁ mm	D ₂ mm	L ₁ mm	L ₂ mm	Z	€
TOL D ₁ +0 -0,05	TOL D ₂ h6				
6	6	63	19	3	29,03 *
8	8	63	19	3	31,16 *
12	12	75	25	4	50,31 *
16	16	88	32	4	86,09 *
20	20	100	38	4	100,77 *

*Jusqu'à fin de stock



FMD6					
D ₁ mm	D ₂ mm	L ₁ mm	L ₂ mm	Z	€
TOL D ₁ +0 -0,05	TOL D ₂ h6				
6	6	63	19	3	29,03 *
8	8	63	19	3	31,16 *
12	12	75	25	4	50,31 *
16	16	88	32	4	86,09 *
20	20	100	38	4	100,77 *

*Jusqu'à fin de stock



FRAISES 2 DENTS, SÉRIE COURTE, HÉLICE 30°

Réf. FMG10

INOX

Ti



55
HRc

CARBURE



30°



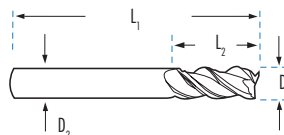
CYLINDRIQUE

TiAlN

2 Z



Micro Grain
CARBURE



SÉRIE COURTE

R.P.M. ET AVANCE						FMG10					
R.P.M. rev./min	AVANCE mm/min	R.P.M. rev./min	AVANCE mm/min	R.P.M. rev./min	AVANCE mm/min		TOL -0,03 D1 mm	TOL h6 D2 mm	L1 mm	L2 mm	€
21.500	170	12.900	101	10.750	84	FMG100100	1,0	6	40	2,5	25,99*
15.000	180	9.000	107	7.500	89	FMG100150	1,5	6	40	4,0	25,99*
11.560	190	7.560	120	6.300	90	FMG100200	2,0	6	50	6,0	38,62
8.920	210	5.560	140	4.620	120	FMG100300	3,0	6	50	8,0	38,62
7.560	300	4.620	180	3.880	150	FMG100400	4,0	6	50	11,0	38,62
6.300	320	3.780	190	3.160	160	FMG100500	5,0	6	50	12,0	38,62
5.560	350	3.360	220	2.840	180	FMG100600	6,0	6	50	12,0	38,62
4.880	385	2.940	220	2.470	180	FMG100700	7,0	8	60	16,0	35,78*
4.200	380	2.520	200	2.100	180	FMG100800	8,0	8	60	15,0	53,15
3.730	375	2.260	190	1.890	180	FMG100900	9,0	10	70	19,0	49,27*
3.260	330	2.000	160	1.680	160	FMG101000	10,0	10	72	20,0	73,20
2.740	280	1.680	130	1.360	130	FMG101200	12,0	12	75	24,0	103,39
2.470	265	1.520	125	1.210	125	FMG101400	14,0	14	85	26,0	119,86*
2.200	220	1.360	110	1.060	110	FMG101600	16,0	16	92	30,0	194,05
1.680	170	1.060	80	840	80	FMG102000	20,0	20	105	38,0	155,40*
1.360	130	840	70	680	60	FMG102500	25,0	25	120	45,0	202,30*



*Jusqu'à fin de stock

FRAISES 3 DENTS, SÉRIE COURTE, HÉLICE VARIABLE

Réf. FMD67

INOX

Ti



55
HRc

CARBURE



35°
38°



CYLINDRIQUE

TiAlSiN

3 Z



Micro Grain
CARBURE

SÉRIE COURTE

FMD67					
	TOL e8 D1 mm	TOL h6 D2 mm	L1 mm	L2 mm	€
FMD670300	3	6	50	8	32,66
FMD670400	4	6	50	11	32,66
FMD670500	5	6	50	13	32,66
FMD670600	6	6	50	16	32,66
FMD670800	8	8	60	19	41,18
FMD671000	10	10	73	22	60,84
FMD671200	12	12	75	26	82,99
FMD671400	14	14	85	30	148,11
FMD671600	16	16	92	32	161,62
FMD672000	20	20	100	38	238,37



Fraise 3 lèvres, coupe au centre, hélice variable avec revêtement TiAlSiN.

Distributeur : RL DISTRIPRO - 01390 Saint-Andre-de-Corcy - www.rldistripo.com - Usinages spectaculaires.

FRAISES 4 DENTS, SÉRIE COURTE, HÉLICE VARIABLE

Réf. FMG12

INOX

INOX
AISI 316L

Ti

INC

55
HRc

CARBURE

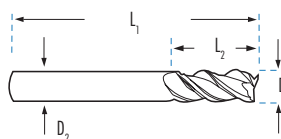
35°
38°

TiAlSiN

4 Z

Micro Grain
CARBURE

SÉRIE COURTE



R.P.M. ET AVANCE

R.P.M. rev./min	AVANCE mm/min	R.P.M. rev./min	AVANCE mm/min	R.P.M. rev./min	AVANCE mm/min
11.560	280	7.560	170	6.300	140
10.240	300	6.560	185	5.460	155
8.920	320	5.560	200	4.620	170
7.560	570	4.620	350	3.880	280
6.300	600	3.780	360	3.160	300
5.560	660	3.360	410	2.840	330
4.200	710	2.520	380	2.100	350
3.730	660	2.260	340	1.890	325
3.260	610	2.000	300	1.680	300
2.740	520	1.680	250	1.360	240
2.470	465	1.520	225	1.210	220
2.200	410	1.360	200	1.060	200
1.940	365	1.210	180	950	175
1.680	320	1.060	160	840	150

FMG12

	TOL -0,03	TOL h6			
	D1 mm	D2 mm	L1 mm	L2 mm	€
FMG120200	2,0	6	40	*6	21,98*
FMG120250	2,5	6	40	*8	21,98*
FMG120300	3,0	6	50	8	32,66
FMG120400	4,0	6	50	11	32,66
FMG120500	5,0	6	50	13	32,66
FMG120600	6,0	6	50	16	32,66
FMG120800	8,0	8	60	19	41,18
FMG120900	9,0	10	70	*19	40,95*
FMG121000	10,0	10	73	22	60,84
FMG121200	12,0	12	75	26	82,99
FMG121400	14,0	14	85	30	113,36
FMG121600	16,0	16	92	32	161,62
FMG121800	18,0	18	92	38	238,37
FMG122000	20,0	20	100	38	238,37



*Jusqu'à fin de stock

Fraise pour matériaux de haute dureté. Fraise 4 lèvres, coupe au centre, hélice variable avec revêtement TiAlSiN.

L'angle d'hélice variable minimise les vibrations et, associé au revêtement TiAlSiN, permet d'offrir des performances d'usinage spectaculaires.

FRAISES 4 DENTS HÉLICE VARIABLE

Réf. FMG83

INOX

INOX
AISI 316L

Ti

INC

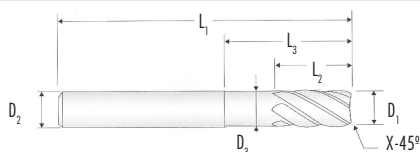
CARBURE

X-45°

43°
45°

TiAlSiN

4 Z

Micro Grain
CARBURE

R.P.M. ET AVANCE

R.P.M. rev./min	AVANCE mm/min	R.P.M. rev./min	AVANCE mm/min
10.185	195	14.260	205
7.600	250	14.260	255
6.110	310	8.655	310
5.095	360	7.130	360
3.820	435	5.345	465
3.055	590	4.275	585
2.545	565	3.565	565
2.180	520	3.055	520
1.910	480	2.670	480
1.525	470	2.140	470

FMG83

	TOL -0,03	TOL h6					
	D1 mm	D2 mm	L1 mm	L2 mm	L3 mm	X-45°	€
FMG830300	3,0	6	57	8	11	0,07	55,21
FMG830400	4,0	6	57	11	14	0,09	55,21
FMG830500	5,0	6	57	13	16	0,12	55,21
FMG830600	6,0	6	57	13	21	0,20	55,21
FMG830800	8,0	8	63	19	27	0,25	70,73
FMG831000	10,0	10	73	22	32	0,35	103,25
FMG831200	12,0	12	83	26	38	0,40	139,16
FMG831400	14,0	14	84	30	40	0,40	199,71
FMG831600	16,0	16	92	32	44	0,40	234,54
FMG832000	20,0	20	104	38	55	0,40	370,81



Fraise pour matériaux à haute teneur en nickel. Fraise 4 lèvres, coupe au centre avec chanfrein de 45°, hélice variable avec revêtement TiAlSiN.

Son angle d'hélice variable minimise les vibrations. Distributeur : RL DISTRIPRO - 01390 Saint-Andre-de-Corcy - www.rldistribro.com

FRAISE MULTIUSAGES

NEW

Réf. FMG80

**TOP
MULTI-
MATIÈRES**



CARBURE



CYLINDRIQUE

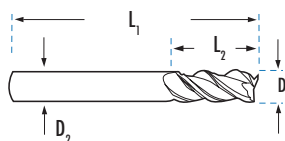
TiAlN

4 Z



**Micro Grain
CARBURE**

SÉRIE COURTE



FMG80

	TOL e8 D1 mm	TOL h6 D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	€
FMG800300	3	6	8	20	0,05	57	36,66
FMG800400	4	6	11	20	0,05	57	36,66
FMG800500	5	6	13	21	0,07	57	36,66
FMG800600	6	6	13	21	0,10	57	36,66
FMG800800	8	8	19	27	0,15	63	44,81
FMG801000	10	10	22	32	0,15	73	65,00
FMG801200	12	12	26	38	0,25	83	92,25
FMG801400	14	14	30	40	0,30	84	117,26
FMG801600	16	16	32	44	0,35	92	164,49
FMG801800	20	20	38	55	0,35	104	242,32



Fraise 4 lèvres, coupe au centre, hélice variable avec revêtement TiAlN.

Son angle d'hélice variable minimise les vibrations et, associé au revêtement TiAlN, offre des performances d'usage spectaculaires.

FRAISE HÉMISPÉRIQUE POUR MOULISTES

NEW

Réf. FMG86

MOULISTES

INOX

Ti



CARBURE



CYLINDRIQUE

TiAlSiN

4 Z



**Micro Grain
CARBURE**

SÉRIE COURTE

FMG86

	TOL e8 D1 mm	TOL h6 D2 mm	L1 mm	L2 mm	€
FMG860600	6	6	8	50	33,28
FMG860600X80	6	6	8	80	43,65
FMG860600X100	6	6	8	100	48,07
FMG860600X150	6	6	8	150	63,34
FMG860800	8	8	10	60	42,61
FMG860800X100	8	8	10	100	60,39
FMG860800X150	8	8	10	150	81,52
FMG861000	10	10	13	72	62,99
FMG861000X100	10	10	13	100	86,79
FMG861000X150	10	10	13	150	115,72
FMG861000X200	10	10	13	200	162,52
FMG861200	12	12	15	75	86,27
FMG861200X100	12	12	15	100	121,56
FMG861200X150	12	12	15	150	169,26
FMG861200X200	12	12	15	200	198,41

