

freud

**Precisely
the best**



**Routing tools for
portable machines**



A SPECIALIST SOLUTION FOR JOINTS



Suitable for table routing

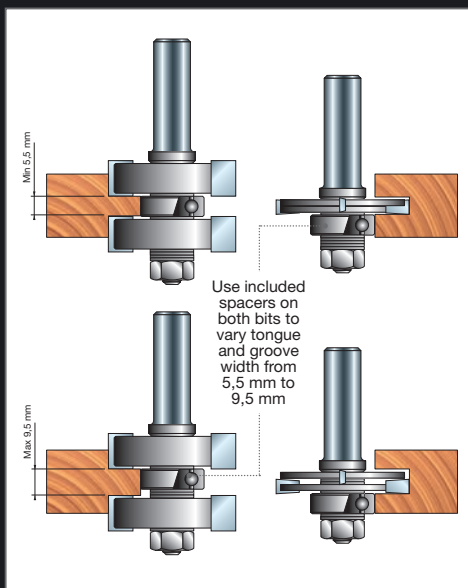


Suitable for wood and derivatives



A	Max RPM	Freud Code	Art. No.
mm	1/min.		

12	16.000	99-03612P	F03FR02432
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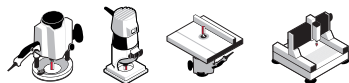


- The Adjustable Tongue and Groove Cutter Set is the solution for projects that require precise tongue and groove joints with perfect finishing.
- The set includes one tongue and one grooving bit.

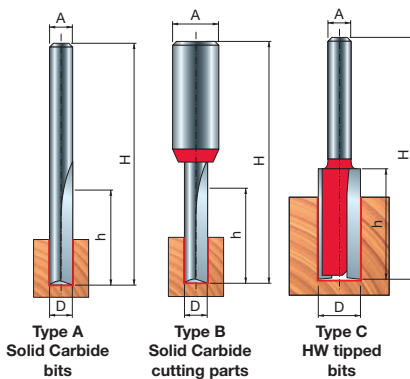


STRAIGHT BITS

Double flute straight bits 04- 12- MM- R006M



Type A - Solid Carbide bits



D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	1/min.		
2	6,3	44,5	6	2	24.000	04-09706P	F03FR01413
3	9,5	44,5	6	2	24.000	04-09906P	F03FR01415
3	11	50,8	6	2	24.000	04-10006P	F03FR01418
3	12	50	6	2	24.000	R006M03006	F03FR01355
4	12	50,3	6	2	24.000	R006M05006	F03FR01356
4	12	50,8	6	2	24.000	04-10206P	F03FR01423
4	15,8	50,7	6	2	24.000	04-10106P	F03FR01420
5	12	50,3	6	2	24.000	R006M07006	F03FR01357
5	12,7	50,8	6	2	24.000	04-11306P	F03FR01437
5	16	51	6	2	24.000	R006M07406	F03FR01358

D	h	H	A	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	1/min.			
6	16	50,8	6	2	24.000	04-11406P	F03FR01440	
6	16	57	6	2	24.000	R006M09406	F03FR01359	
6	25	63	6	2	24.000	R006M10206	F03FR01360	
6	25,4	76,2	6	2	24.000	04-11006P	F03FR01431	
3	9,5	44,5	8	2	24.000	04-09908P	F03FR01416	
4	15,8	50,7	8	2	24.000	04-10108P	F03FR01421	
5	12,7	50,8	8	2	24.000	04-11308P	F03FR01438	
6	16	50,8	8	2	24.000	04-11408P	F03FR01441	
6	25,4	76,2	8	2	24.000	04-11008P	F03FR01432	
1,58	6,4	44,5		1/4	2	24.000	04-09625P	F03FR01412
2	4	38,1		1/4	2	24.000	04-50225P	F03FR01502
2,38	9,5	38,1		1/4	2	24.000	04-09825P	F03FR01414
3	8	44,5		1/4	2	24.000	04-50825P	F03FR01503
3,18	9,5	44,5		1/4	2	24.000	04-10025P	F03FR01419
4	15,77	50,8		1/4	2	24.000	04-10125P	F03FR01422
4,76	12,7	49,2		1/4	2	24.000	04-10225P	F03FR01424
5	11,9	50,8		1/4	2	24.000	04-51225P	F03FR01504
6,35	12,7	50,5		1/4	2	24.000	04-10425P	F03FR01426
6,35	15,9	50,8		1/4	2	24.000	04-10525P	F03FR01427
6,35	19	57,1		1/4	2	24.000	04-10625P	F03FR01428
6,35	22,2	57,1		1/4	2	24.000	04-10725P	F03FR01429
6,35	25,4	63,5		1/4	2	24.000	04-10825P	F03FR01430
6,35	25,4	76,2		1/4	2	24.000	04-11025P	F03FR01433
6,35	19	61		1/2	2	24.000	12-10050P	F03FR01521
6,35	23	73		1/2	2	24.000	12-10250P	F03FR01522

Type B - Solid Carbide cutting parts

D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm		1/min.		
3	8	58	12	2	24.000	12-09612P	F03FR01517
4	10	58	12	2	24.000	12-09712P	F03FR01518
5	12,7	57	12	2	24.000	12-09812P	F03FR01519
6	19	64	12	2	24.000	12-09912P	F03FR01520

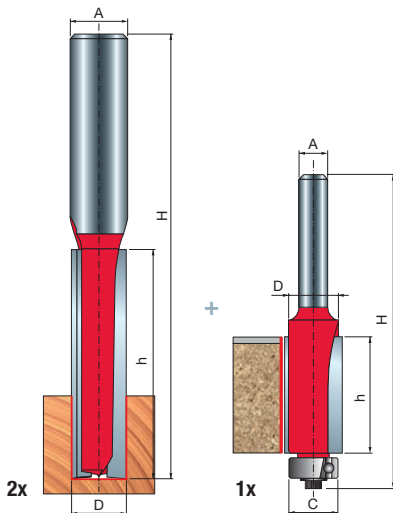
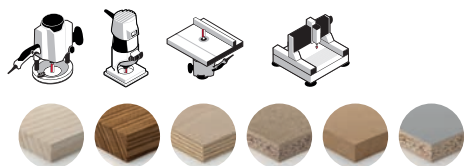
Type C - HW tipped bits

D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	1/min.		
7	25,4	63,5	6	2	24.000	04-11206P	F03FR01434
8	19,1	52	6	2	24.000	04-11506P	F03FR01443
8	31,8	70	6	2	24.000	04-11906P	F03FR01447
9	25	63	6	2	24.000	04-12406P	F03FR01450
10	25,4	62,4	6	2	24.000	MM-01006P	F03FR00330
10	31,8	69	6	2	24.000	MM-11006P	F03FR00333
11	25,4	62	6	2	24.000	04-13306P	F03FR01458
12	19	55,5	6	2	24.000	04-13506P	F03FR01460

D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	1/min.		
12	31,8	68	6	2	24.000	04-13706P	F03FR01464
13	25,4	62,4	6	2	24.000	04-14206P	F03FR01470
14	19	56	6	2	24.000	04-14306P	F03FR01472
14	31,8	68,2	6	2	24.000	04-14506P	F03FR01475
15	20	57,2	6	2	24.000	04-14606P	F03FR01478
15	31,8	68,2	6	2	24.000	04-14706P	F03FR01480
16	19	51	6	2	24.000	04-14906P	F03FR01483
16	31,8	66	6	2	24.000	04-15006P	F03FR01486
18	20	52	6	2	24.000	04-15106P	F03FR01488
19	19	54	6	2	24.000	04-14006P	F03FR01468
20	19	56	6	2	24.000	04-15506P	F03FR01492
22	19	51	6	2	24.000	04-15706P	F03FR01495
24	20	52	6	2	24.000	04-15806P	F03FR01498
25	19	56	6	2	24.000	04-15906P	F03FR01500
7	25,4	63,5	8	2	24.000	04-11208P	F03FR01435
8	19	52	8	2	24.000	04-11508P	F03FR01444
8	31,8	70	8	2	24.000	04-11908P	F03FR01448
9	25	63	8	2	24.000	04-12408P	F03FR01451
10	25,4	62,4	8	2	24.000	MM-01008P	F03FR00331
10	31,8	69	8	2	24.000	MM-11008P	F03FR00334
12	19	55,5	8	2	24.000	04-13508P	F03FR01461
12	31,8	63,8	8	2	24.000	04-13708P	F03FR01465
14	19	56	8	2	24.000	04-14308P	F03FR01473
14	31,8	68,2	8	2	24.000	04-14508P	F03FR01476
15	20	57,2	8	2	24.000	04-14608P	F03FR01479
15	31,8	68,2	8	2	24.000	04-14708P	F03FR01481
16	19	51	8	2	24.000	04-14908P	F03FR01484
16	31,8	66	8	2	24.000	04-15008P	F03FR01487
18	20	52	8	2	24.000	04-15108P	F03FR01489
20	19	56	8	2	24.000	04-15508P	F03FR01493
22	19	51	8	2	24.000	04-15708P	F03FR01496
24	20	52	8	2	24.000	04-15808P	F03FR01499
25	19	56	8	2	24.000	04-15908P	F03FR01501
7	18	67	12	2	24.000	12-10312P	F03FR01523
8	31,8	76	12	2	24.000	12-10712P	F03FR01525
9	31,8	76	12	2	24.000	12-11012P	F03FR01528
10	31,8	76	12	2	24.000	12-11212P	F03FR01530
12	38,1	80	12	2	24.000	12-12212P	F03FR01534
12	50,5	98	12	2	24.000	12-12812P	F03FR01537
13	25,4	66,7	12	2	24.000	12-11612P	F03FR01531
14	31,8	73	12	2	24.000	12-13412P	F03FR01540
15	31,8	69,8	12	2	24.000	12-13512P	F03FR01541
16	38,1	76,1	12	2	24.000	12-14012P	F03FR01544
18	38,1	80	12	2	24.000	12-14312P	F03FR01547
19	25,4	63,4	12	2	24.000	12-15212P	F03FR01548
20	38,1	80	12	2	24.000	12-15912P	F03FR01553
22	38,1	80	12	2	24.000	12-16912P	F03FR01556
7,14	25,4	65,4	1/4	2	24.000	04-11225P	F03FR01436
7,94	25,4	71,4	1/4	2	24.000	04-11825P	F03FR01446
9,53	22,2	59,2	1/4	2	24.000	04-12025P	F03FR01449

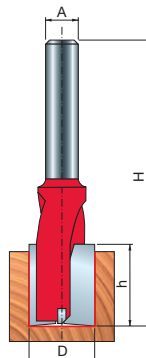
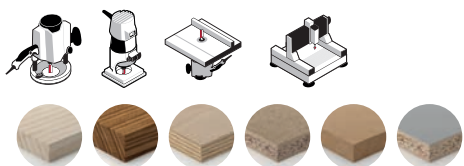
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mm	mm	mm	mm	inch	1/min.			
9,53	25,4	62,4		1/4	2	24.000	04-12425P	F03FR01452
9,53	31,8	68,7		1/4	2	24.000	04-12625P	F03FR01453
10	25,4	62,4		1/4	2	24.000	MM-01025P	F03FR00332
10	31,8	63,8		1/4	2	24.000	04-52025P	F03FR01505
11,11	25,4	62,4		1/4	2	24.000	04-12925P	F03FR01454
12	31,8	63,8		1/4	2	24.000	04-52825P	F03FR01506
12,7	19	55,5		1/4	2	24.000	04-13025P	F03FR01455
12,7	22,2	59,2		1/4	2	24.000	04-13125P	F03FR01456
12,7	25,4	62,4		1/4	2	24.000	04-13225P	F03FR01457
12,7	31,8	69,9		1/4	2	24.000	04-13325P	F03FR01459
15	31,8	66,7		1/4	2	24.000	04-53625P	F03FR01507
15,88	19	51		1/4	2	24.000	04-13625P	F03FR01463
15,88	31,8	69,9		1/4	2	24.000	04-13725P	F03FR01466
16	31,8	66,7		1/4	2	24.000	04-54425P	F03FR01508
17,46	19,1	56,1		1/4	2	24.000	04-13825P	F03FR01467
18	19,1	51,1		1/4	2	24.000	04-54825P	F03FR01509
19	19	57		1/4	2	24.000	04-14025P	F03FR01469
20	19,1	51,1		1/4	2	24.000	04-55225P	F03FR01510
22,23	19,1	56,1		1/4	2	24.000	04-14825P	F03FR01482
25,4	19,1	56,1		1/4	2	24.000	04-15225P	F03FR01491
7,94	25,4	78,9		1/2	2	24.000	12-10650P	F03FR01524
9,53	25,4	73,6		1/2	2	24.000	12-10850P	F03FR01526
9,53	31,8	82		1/2	2	24.000	12-11050P	F03FR01529
10	31,8	75		1/2	2	24.000	12-52050P	F03FR01558
12	31,8	75		1/2	2	24.000	12-53050P	F03FR01559
12,7	25,4	66,7		1/2	2	24.000	12-11650P	F03FR01532
12,7	31,8	77		1/2	2	24.000	12-11850P	F03FR01533
12,7	38,1	80,4		1/2	2	24.000	12-12250P	F03FR01535
12,7	38,1	108		1/2	2	24.000	12-12450P	F03FR01536
12,7	50,5	98		1/2	2	24.000	12-12850P	F03FR01538
12,7	63,2	110,7		1/2	2	24.000	12-13050P	F03FR01539
15,88	25,4	62,4		1/2	2	24.000	12-13650P	F03FR01542
15,88	31,8	71,8		1/2	2	24.000	12-13850P	F03FR01543
15,88	38,1	76,1		1/2	2	24.000	12-14050P	F03FR01545
15,88	50,8	103		1/2	2	24.000	12-14250P	F03FR01546
16	31,8	69,8		1/2	2	24.000	12-54450P	F03FR01560
19	25,4	63,4		1/2	2	24.000	12-15250P	F03FR01549
19	31,8	69,8		1/2	2	24.000	12-15450P	F03FR01550
19	38,1	76,1		1/2	2	24.000	12-15650P	F03FR01551
19,05	50,8	88,8		1/2	2	24.000	12-15850P	F03FR01552
20,63	31,8	76		1/2	2	24.000	12-16250P	F03FR01554
22,23	31,8	76		1/2	2	24.000	12-16850P	F03FR01555
25,4	31,8	69,8		1/2	2	24.000	12-17250P	F03FR01557

Kitchen Fitter Set 88-



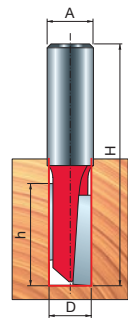
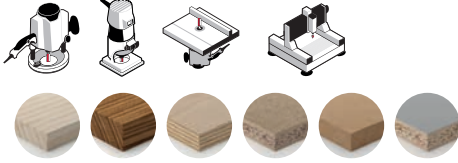
	A	Max RPM	Freud Code	Art. No.
	inch	1/min.		
2x Straight bit and 1x flush trim bit set	1/2 1/4	24.000	88-20075P	F03FR04370

Double flute straight bits with bottom tip 17-



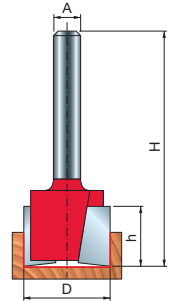
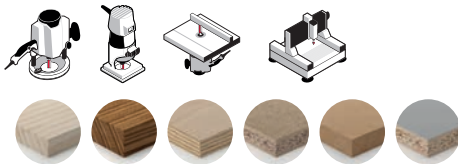
D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm		1/min.		
16	45	85	8	2+1	24.000	17-10008P	F03FR01577
18	18	70	8	2+1	24.000	17-10208P	F03FR01578
20	18	70	8	2+1	24.000	17-10408P	F03FR01579
22	25	70	8	2+1	24.000	17-10608P	F03FR01580
16	60	110	12	2+1	24.000	17-10112P	F03FA13994

Stagger bits 14-



D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm		1/min.		
9,53	37,8	82	12	2	24.000	14-10212P	F03FR01561
12,7	38,1	82	12	2	24.000	14-10412P	F03FR01562
12,7	37,8	79	12	2	24.000	14-20412P	F03FR01564
12,7	54	98,3	12	2	24.000	14-10612P	F03FR01563

Mortising bits 16-

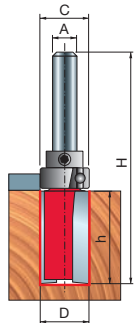


D	h	H	A	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	1/min.			
12,7	12,5	51	6	2	24.000	16-10006P	F03FR01565	
19	12,5	51	6	2	24.000	16-10406P	F03FR01568	
19	19	62,15	6	2	24.000	16-50406P	F03FR01576	
12,7	12,5	50,8	8	2	24.000	16-10008P	F03FR01566	
19	12,5	50,8	8	2	24.000	16-10408P	F03FR01569	
12,7	12,5	60,5	12	2	24.000	16-11012P	F03FR01573	
31,75	12,1	56,2	12	2	24.000	16-11812P	F03FR01575	
12,7	12,5	51		1/4	2	24.000	16-10025P	F03FR01567
19	12,5	51		1/4	2	24.000	16-10425P	F03FR01570
12,7	12,5	60,5		1/2	2	24.000	16-11050P	F03FR01574
31,75	12,7	56,2		1/2	2	18.000	16-10850P	F03FR01572



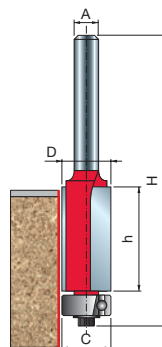
TRIMMING BITS

Top bearing flush trim bits 50-



D	h	H	A	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	1/min.		
13	20	60	6		13	2	24.000	50-10206P F03FR02003
15	20	60	6		15	2	24.000	50-10406P F03FR02006
19	25,4	67,5	6		19	2	24.000	50-10606P F03FR02008
16	20	60	8		16	2	24.000	50-10308P F03FR02005
22	20	60	8		22	2	24.000	50-10808P F03FR02010
12,7	25,4	65,4		1/4	12,7	2	24.000	50-10225P F03FR02004
15,88	25,4	65,4		1/4	15,88	2	24.000	50-10425P F03FR02007
19	25,4	68,5		1/4	19	2	24.000	50-10625P F03FR02009

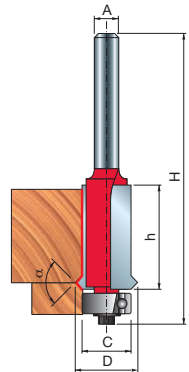
Flush trim bits 42- 44-



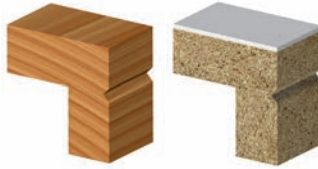
D	h	H	A	C	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	1/min.			
9,53	12,7	60,9	6		9,53	2	24.000	42-10206P	F03FR01935
9,53	25,8	72,4	6		9,53	2	24.000	42-10006P	F03FR01932
12,7	25,7	72,9	6		12,7	2	24.000	42-10406P	F03FR01938
9,53	12,7	60,9	8		9,53	2	24.000	42-10208P	F03FR01936
9,53	25,8	72,4	8		9,53	2	24.000	42-10008P	F03FR01933
12,7	25,7	72,9	8		12,7	2	24.000	42-10408P	F03FR01939
12,7	40	84	8		12,7	2	24.000	42-11508P	F03FR02771
12,7	25,4	82,5	12		12,7	2	24.000	42-11012P	F03FR01942
12,7	38,5	94,1	12		12,7	2	24.000	42-11412P	F03FR01944
12,7	50,8	106,8	12		12,7	2	24.000	42-11612P	F03FR01946
9,53	12,7	60,9		1/4	9,53	2	24.000	42-10225P	F03FR01937
9,53	25,8	72,4		1/4	9,53	2	24.000	42-10025P	F03FR01934
12,7	12,7	60,2		1/4	12,7	2	24.000	42-10625P	F03FR01941
12,7	25,7	72,9		1/4	12,7	2	24.000	42-10425P	F03FR01940
12,7	25,7	82,5		1/2	12,7	2	24.000	42-11050P	F03FR01943
12,7	38,5	94,1		1/2	12,7	2	24.000	42-11450P	F03FR01945
12,7	50,8	109,8		1/2	12,7	2	24.000	42-11650P	F03FR01947
12,7	38,5	94,1		1/2	12,7	3	24.000	44-10850P	F03FR01952



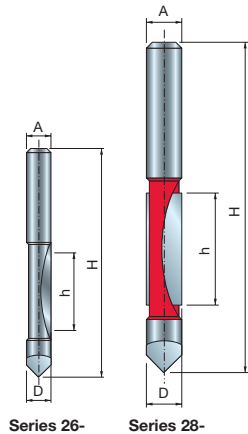
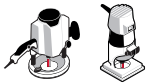
Flush trim "V" groove bits 48-



D	h	H	A	C	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm			1/min.		
15,88	25,4	76,2	6	12,7	90°	2	20.000	48-10206P	F03FR02000
15,88	25,4	76,2	8	12,7	90°	2	24.000	48-10208P	F03FR02001
15,88	25,4	87,2	12	12,7	90°	2	24.000	48-11212P	F03FR02002

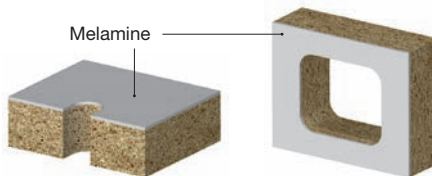


Panel pilot bits 26- 28-



D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	1/min.		
6	19	57	6	1	24.000	26-10006P	F03FR01664
8	19	75	8	1	24.000	26-10008P	F03FR01665
12,7	31,75	96,2	12	2	24.000	28-10412P	F03FR01692
6,35	19	57		1/4	24.000	26-10025P	F03FR01666
12,7	31,75	96,2		1/2	24.000	28-10450P	F03FR01693

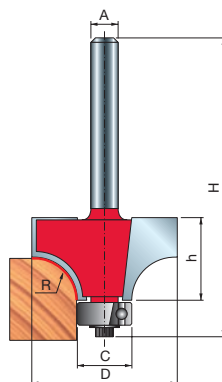
- Solid Carbide Bits





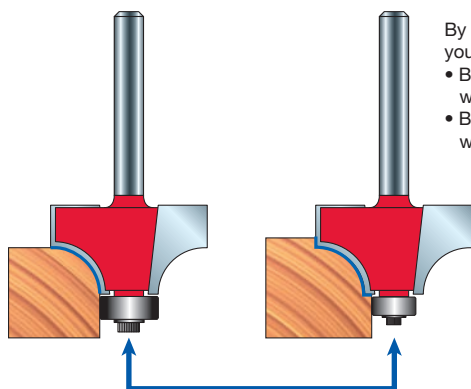
EDGE FORMING BITS

Rounding over bits 34- 36-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	1/min.		
15,88	12,7	54,9	6	12,7	1,59	2	24.000	34-10006P	F03FR01763
16,7	12,7	54,9	6	12,7	2	2	24.000	34-10106P	F03FR02766
19,05	12,7	55,2	6	12,7	3,18	2	24.000	34-10406P	F03FR01768
22,22	12,7	54,9	6	12,7	4,8	2	24.000	34-10806P	F03FR01771
25,4	12,7	54,7	6	9,53	6,35	2	24.000	36-11006P	F03FR01803
25,4	12,7	55,2	6	12,7	6,35	2	24.000	34-11006P	F03FR01774
28,58	12,7	55,2	6	12,7	8	2	18.000	34-11206P	F03FR01777
31,75	18	59,7	6	12,7	9,53	2	18.000	34-11406P	F03FR01780
31,75	18	59,2	6	9,53	9,53	2	18.000	36-11406P	F03FR01804
38,1	19,1	61,25	6	12,7	12,7	2	16.000	34-11606P	F03FR01783

D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
15,88	12,7	54,9	8		12,7	1,59	2	24.000	34-10008P	F03FR01764
16,7	12,7	54,9	8		12,7	2	2	24.000	34-10108P	F03FR01766
18,7	12,7	54,9	8		12,7	3	2	24.000	34-10308P	F03FR01767
19,05	12,7	55,2	8		12,7	3,18	2	24.000	34-10408P	F03FR01769
22,22	13,2	54,9	8		12,7	4,75	2	24.000	34-10808P	F03FR01772
25,4	12,7	55,2	8		12,7	6,35	2	24.000	34-11008P	F03FR01775
28,58	12,7	55,2	8		12,7	7,94	2	18.000	34-11208P	F03FR01778
31,75	18	59,7	8		12,7	9,5	2	18.000	34-11408P	F03FR01781
38,1	19,1	61,25	8		12,7	12,7	2	16.000	34-11608P	F03FR01784
44,44	22,2	64,72	8		12,7	15,8	2	16.000	34-12008P	F03FR01793
25,4	12,7	61,2	12		12,7	6,35	2	24.000	34-12012P	F03FR01786
31,75	18	65,7	12		12,7	9,53	2	18.000	34-12412P	F03FR01788
38,1	19,05	67,25	12		12,7	12,7	2	16.000	34-12612P	F03FR01791
44,44	22,22	70,72	12		12,7	15,8	2	16.000	34-12712P	F03FR01794
50,8	25,4	73,9	12		12,7	19	2	16.000	34-12812P	F03FR01796
57,15	31,4	79,85	12		12,7	22,2	2	16.000	34-13012P	F03FR01798
63,5	31,3	79,75	12		12,7	25,4	2	12.000	34-13212P	F03FR01799
69,85	34,9	83,3	12		12,7	28,6	2	12.000	34-13412P	F03FR01801
76,2	38,1	86,6	12		12,7	31,8	2	12.000	34-13612P	F03FR01802
15,88	12,7	54,9		1/4	12,7	1,59	2	24.000	34-10025P	F03FR01765
19,05	12,7	55,2		1/4	12,7	3,18	2	24.000	34-10425P	F03FR01770
22,22	13,2	54,9		1/4	12,7	4,25	2	24.000	34-10825P	F03FR01773
25,4	12,7	55,2		1/4	12,7	6,35	2	24.000	34-11025P	F03FR01776
28,58	12,7	55,2		1/4	12,7	7,94	2	18.000	34-11225P	F03FR01779
31,75	18	59,7		1/4	12,7	9,53	2	18.000	34-11425P	F03FR01782
38,1	19,1	61,25		1/4	12,7	12,7	2	16.000	34-11625P	F03FR01785
25,4	12,7	61,2		1/2	12,7	6,35	2	24.000	34-12050P	F03FR01787
31,75	18	65,7		1/2	12,7	9,53	2	18.000	34-12450P	F03FR01790
38,1	19,1	67,25		1/2	12,7	12,7	2	16.000	34-12650P	F03FR01792
44,44	22,2	70,7		1/2	12,7	15,87	2	16.000	34-12750P	F03FR01795
50,8	25,4	73,9		1/2	12,7	19,05	2	16.000	34-12850P	F03FR01797
63,5	31,25	79,8		1/2	12,7	25,4	2	12.000	34-13250P	F03FR01800

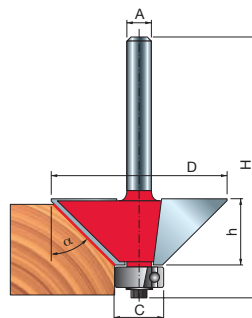
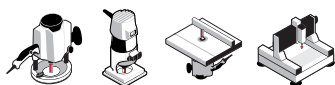


By ordering a smaller ball bearing and step washer you will be able to obtain a different profile:

- Ball bearing **3102M AA9** (Ø 9,53 mm) and Step washer **FX07M AA9** for series 34-
- Ball bearing **3102M AB9** (Ø 12,7 mm) and Step washer **FX07M AB9** for series 36-

Chamfer bits

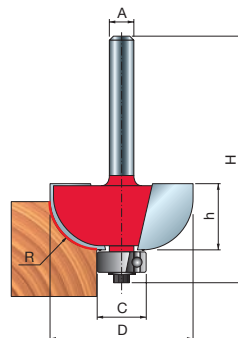
40-



D	h	H	A	C	α	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm		1/min.			
18,15	12,7	54,9	6		12,7	15°	2	24.000	40-10006P	F03FR01906
21,77	25	67,3	6		12,7	11.3°	2	24.000	40-09406P	F03FR01900
23,6	12,7	54,9	6		12,7	25°	2	24.000	40-10206P	F03FR01912
24	12	44	6		•	30°	2	24.000	40-90206P	F03FR01929
24	14	46	6		•	15°	2	24.000	40-90006P	F03FR01927
25	8	40,3	6		•	45°	2	24.000	40-90406P	F03FR01931
25,4	25,1	67,25	6		12,7	15°	2	24.000	40-09806P	F03FR01903
30,1	22,5	64,7	6		12,7	22.5°	2	18.000	40-10106P	F03FR01909
31	9,5	52,3	6		12,7	45°	2	18.000	40-10506P	F03FR01917
33	11,5	54	6		12,7	45°	2	16.000	40-10406P	F03FR01914
33	19	61,6	6		12,7	30°	2	16.000	40-20206P	F03FR01925
44	18,5	61	6		12,7	45°	2	16.000	40-10606P	F03FR01919
18,15	12,7	54,9	8		12,7	15°	2	24.000	40-10008P	F03FR01907
21,77	25	67,3	8		12,7	11.3°	2	24.000	40-09408P	F03FR01901
23,6	12,7	54,9	8		12,7	25°	2	24.000	40-10208P	F03FR01913
24	12	44	8		•	30°	2	24.000	40-90208P	F03FR01930
24	14	46	8		•	15°	2	24.000	40-90008P	F03FR01928
25	8	40,3	8		•	45°	2	24.000	40-90408P	F03FR03255
25,4	25,1	67,25	8		12,7	15°	2	24.000	40-09808P	F03FR01904
30,1	22,5	64,7	8		12,7	22.5°	2	18.000	40-10108P	F03FR01910
31	9,5	52,3	8		12,7	45°	2	18.000	40-10508P	F03FR01918
33	11,5	54	8		12,7	45°	2	16.000	40-10408P	F03FR01915
33	19	61,6	8		12,7	30°	2	16.000	40-20208P	F03FR01926
44	18,5	61	8		12,7	45°	2	16.000	40-10608P	F03FR01920
21,77	25	73,3	12		12,7	11.3°	2	24.000	40-09412P	F03FR01902
25,4	25,1	73,25	12		12,7	15°	2	24.000	40-09812P	F03FR01905
30,1	22,5	70,7	12		12,7	22.5°	2	18.000	40-10112P	F03FR01911
44	18,5	67	12		12,7	45°	2	16.000	40-11412P	F03FR01922
62,1	25,5	74	12		12,7	45°	2	12.000	40-11812P	F03FR01924
18,15	12,7	54,9		1/4	12,7	15°	2	24.000	40-10025P	F03FR01908
33	11,5	53,9		1/4	12,7	45°	2	24.000	40-10425P	F03FR01916
41,5	15,9	58,4		1/4	12,7	45°	2	16.000	40-10625P	F03FR01921
43	18,5	67		1/2	12,7	45°	2	16.000	40-11450P	F03FR01923

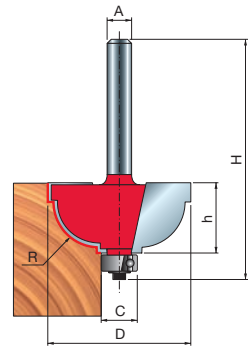
- Without ball bearing.

Cove bits 30-

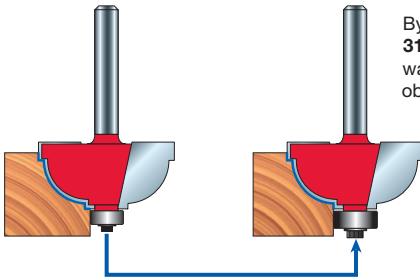


D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	1/min.		
19,05	14	56	6	9,53	4,76	2	24.000	30-10006P	F03FR01694
22,23	13,2	54,7	6	9,53	6,35	2	24.000	30-10206P	F03FR01697
25,4	12,7	54,7	6	9,53	8	2	24.000	30-10306P	F03FR01700
31,75	12,7	55,2	6	12,7	9,53	2	18.000	30-10406P	F03FR01703
38,1	16,4	58,9	6	12,7	12,7	2	16.000	30-10606P	F03FR01706
19,05	14	56	8	9,53	4,75	2	24.000	30-10008P	F03FR01695
22,23	13,2	54,7	8	9,53	6,35	2	24.000	30-10208P	F03FR01698
25,4	12,7	54,7	8	9,53	8	2	24.000	30-10308P	F03FR01701
31,75	12,7	55,2	8	12,7	9,53	2	18.000	30-10408P	F03FR01704
38,1	16,4	58,9	8	12,7	12,7	2	16.000	30-10608P	F03FR01707
19,05	14	62,4	12	9,53	4,75	2	24.000	30-10012P	F03FR01696
22,23	12,7	60,7	12	9,53	6,35	2	24.000	30-11012P	F03FR01709
25,4	12,7	60,7	12	9,53	8	2	24.000	30-11112P	F03FR01710
31,75	12,7	61,2	12	12,7	9,5	2	18.000	30-11212P	F03FR01711
38,1	16,4	64,9	12	12,7	12,7	2	16.000	30-11412P	F03FR01713
22,23	13,2	54,7	1/4	9,53	6,35	2	24.000	30-10225P	F03FR01699
25,4	12,7	54,7	1/4	9,53	7,94	2	24.000	30-10325P	F03FR01702
31,75	12,7	55,2	1/4	12,7	9,5	2	18.000	30-10425P	F03FR01705
38,1	16,4	58,9	1/4	12,7	12,7	2	16.000	30-10625P	F03FR01708
31,75	12,7	61,2	1/2	12,7	9,53	2	18.000	30-11250P	F03FR01712
38,1	16,4	64,9	1/2	12,7	12,7	2	16.000	30-11450P	F03FR01714

Classical cove bits 30-

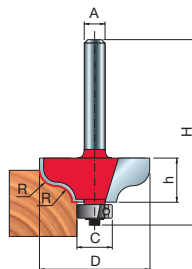


D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm	1/min.		
28,58	13	54,2	6	9,53	4,8	2	18.000	30-30406P	F03FR01719
31,75	15,1	56,8	6	9,53	4,8	2	18.000	30-20206P	F03FR01715
28,58	13	54,2	8	9,53	4,8	2	18.000	30-30408P	F03FR01720
31,75	15,1	56,8	8	9,53	8	2	18.000	30-20208P	F03FR01716
28,58	13	60,2	12	9,53	4,8	2	18.000	30-32412P	F03FR01722
31,75	15,1	62,8	12	9,53	8	2	18.000	30-22212P	F03FR01718

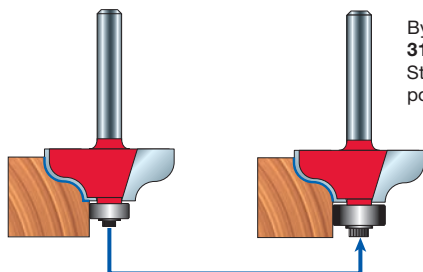


By simply ordering the Ball bearing **3102M AB9** (Ø 12,7 mm) and the Step washer **FX07M AB9** it is possible to obtain a different profile.

Ogee fillet bits 38- 99-



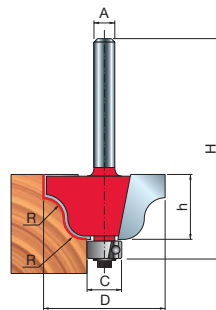
D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
31,75	12,2	53,9	6		9,53	4,8	2	18.000	38-20206P	F03FR01815
38,1	16,2	57,4	6		9,53	6,35	2	16.000	38-20406P	F03FR01818
31,75	12,2	53,9	8		9,53	4,8	2	18.000	38-20208P	F03FR01816
38,1	16,2	57,4	8		9,53	6,35	2	16.000	38-20408P	F03FR01819
31,75	12,2	59,9	12		9,53	4,8	2	18.000	38-21212P	F03FR01821
38,1	16,2	63,4	12		9,53	6,35	2	16.000	38-21412P	F03FR01822
31,75	12,2	53,9		1/4	9,53	4,76	2	18.000	38-20225P	F03FR01817
31,75	12,2	54,4		1/4	12,7	4,76	2	18.000	38-15225P	F03FR01814
38,1	16,2	57,4		1/4	9,53	6,35	2	16.000	38-20425P	F03FR01820
38,1	16,5	64,7		1/2	12,7	8,25	2	16.000	99-00650P	F03FR02412



By simply ordering the Ball bearing **3102M AB9** (Ø 12,7 mm) and the Step washer **FX07M AB9** it is possible to obtain a different profile.

Roman ogee bits

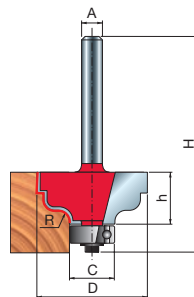
38-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	1/min.		
27	13,3	55,3	6	9,53	4	2	18.000	38-1006P	F03FR01805
35	18,5	60,5	6	9,53	6,35	2	16.000	38-10206P	F03FR01808
27	13,3	55,3	8	9,53	4	2	18.000	38-10008P	F03FR01806
35	18,5	60,5	8	9,53	6,35	2	16.000	38-10208P	F03FR01809
27	13,3	61,31	12	9,53	4	2	18.000	38-10412P	F03FR01811
35	18,5	66,5	12	9,53	6,35	2	16.000	38-10612P	F03FR01812
27	13,3	55,3	1/4	9,53	4	2	18.000	38-10025P	F03FR01807
35	18,5	66,5	1/4	9,53	6,35	2	16.000	38-10225P	F03FR01810
35	18,5	66,5	1/2	9,53	6,35	2	16.000	38-10650P	F03FR01813

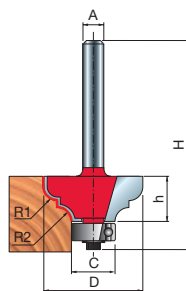
Classical roman ogee bits

38- 99-



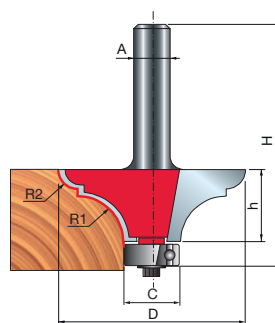
D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	1/min.		
31,75	15	56,7	6	12,7	3,18	2	18.000	38-40206P	F03FR01832
31,75	15	56,7	8	12,7	3,18	2	18.000	38-40208P	F03FR01833
34,92	14,3	62,8	12	12,7	4,8	2	16.000	99-00512P	F03FR02411
31,75	15	56,7	1/4	12,7	3,18	2	18.000	38-40225P	F03FR01834

Classical ogee bits 38- 99-



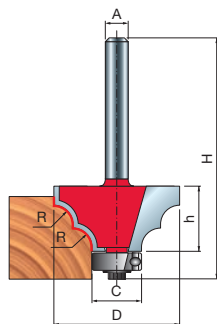
D	h	H	A	C	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	mm	1/min.		
28,58	12,7	54,9	6	12,7	4	4	2	18.000	38-60206P	F03FR01838
34,92	18,3	60	6	12,7	6,35	4,76	2	16.000	38-60406P	F03FR01841
28,58	12,7	54,9	8	12,7	4	4	2	18.000	38-60208P	F03FR01839
34,92	18,3	60	8	12,7	6,35	4,76	2	16.000	38-60408P	F03FR01842
28,58	12,7	61,2	12	12,7	4	4	2	18.000	38-61212P	F03FR01843
34,92	17,5	65,7	12	12,7	6,35	4,76	2	16.000	38-61412P	F03FR01844
28,58	12,7	54,9	1/4	12,7	3,97	3,97	2	18.000	99-60225P	F03FR01840
34,93	14,7	62,4	1/2	9,53	5,35	5,35	2	16.000	99-00950P	F03FR02415
34,92	17,5	65,7	1/2	12,7	6,35	4,76	2	16.000	38-61450P	F03FR01845

Table top classical bold bits 99-

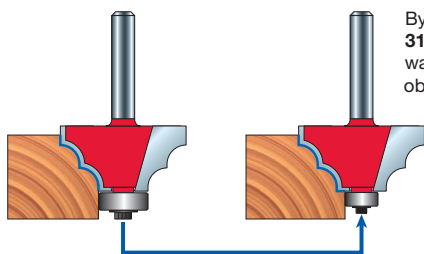


D	h	H	A	C	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm	mm	1/min.		
41,3	15,9	58,4	8	12,7	10	4,3	2	16.000	99-01108P	F03FR02416
41,3	15,9	64,4	12	12,7	10	4,3	2	16.000	99-01112P	F03FR02417

Double bead bits 38-

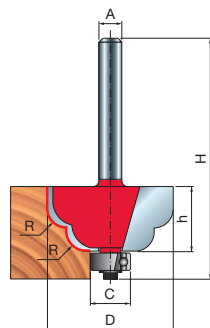


D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
32,7	15	57,2	6	12,7	5	2	16.000	38-90006P	F03FR01852
32,7	15	57,2	8	12,7	5	2	16.000	38-90008P	F03FR01853

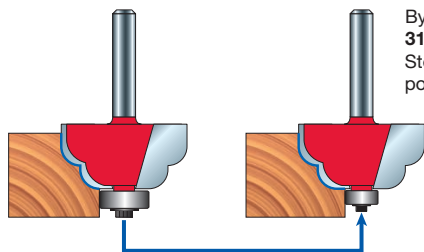


By simply ordering the Ball bearing **3102M AA9** (Ø 9,53 mm) and the Step washer **FX07M AA9** it is possible to obtain a different profile.

Double cove bits 38-

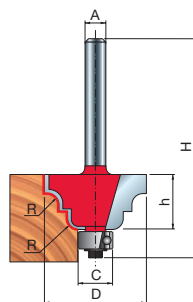


D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	1/min.		
32,7	15	57,2	6		12,7	5	16.000	38-95006P	F03FR01854
32,7	15	57,2	8		12,7	5	16.000	38-95008P	F03FR01855
38,9	18,3	60,8		1/4	9,53	6,35	16.000	38-30425P	F03FR01825



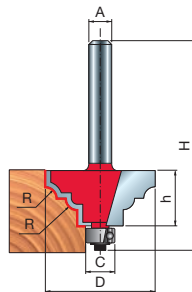
By simply ordering the Ball bearing **3102M AA9** (Ø 9,53 mm) and the Step washer **FX07M AA9** it is possible to obtain a different profile.

Cove and bead bits 38-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
29,38	13,5	55,5	6	9,53	3,97	2	18.000	38-30606P	F03FR01826
38,9	18,3	60	6	9,53	6,35	2	16.000	38-30406P	F03FR01823
29,38	13,5	55,5	8	9,53	3,97	2	18.000	38-30608P	F03FR01827
38,9	18,3	60	8	9,53	6,35	2	16.000	38-30408P	F03FR01824
29,38	13,5	61,2	12	9,53	3,97	2	18.000	38-31212P	F03FR01829
38,92	18,3	66	12	9,53	6,35	2	16.000	38-31412P	F03FR01831

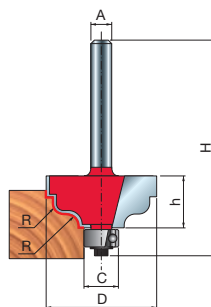
Fillet cove and bead bits 38-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
32,7	14,5	56,7	6	12,7	3	2	16.000	38-80006P	F03FR01846
36,7	16,5	58,7	6	12,7	4	2	16.000	38-80206P	F03FR01848
40,7	18	60,2	6	12,7	5	2	16.000	38-80406P	F03FR01850
32,7	14,5	56,7	8	12,7	3	2	16.000	38-80008P	F03FR01847
36,7	16,5	58,7	8	12,7	4	2	16.000	38-80208P	F03FR01849
40,7	18	60,2	8	12,7	5	2	16.000	38-80408P	F03FR01851

Double fillet ogee bits

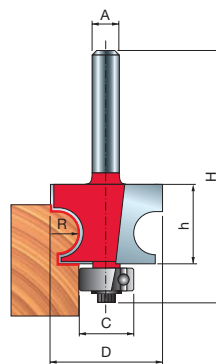
38-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	1/min.		
31,75	15	56,2	6	9,53	3,18	2	18.000	38-45206P	F03FR01835
31,75	15	56,2	8	9,53	3,18	2	18.000	38-45208P	F03FR01836
31,75	15	56,2	1/4	9,53	3,18	2	18.000	38-45225P	F03FR01837

Traditional beading bits

80-

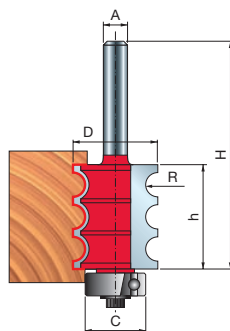


D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
22,23	14,3	56,9	6	12,7	3,18	2	24.000	80-10206P	F03FR02192
25,4	17,5	60	6	12,7	4,76	2	24.000	80-10406P	F03FR02195
30,17	22,2	64,2	6	12,7	7,14	2	18.000	80-10806P	F03FR02198
22,23	14,3	57,1	8	12,7	3,18	2	24.000	80-10208P	F03FR02193
25,4	17,5	60	8	12,7	4,76	2	24.000	80-10408P	F03FR02196
30,17	22,2	64,2	8	12,7	7,14	2	18.000	80-10808P	F03FR02199
22,23	14,3	62,9	12	12,7	3,18	2	24.000	80-12212P	F03FR02201
25,4	17,5	66,4	12	12,7	4,76	2	24.000	80-12412P	F03FR02203
30,17	22,2	70,6	12	12,7	7,14	2	18.000	80-12812P	F03FR02204



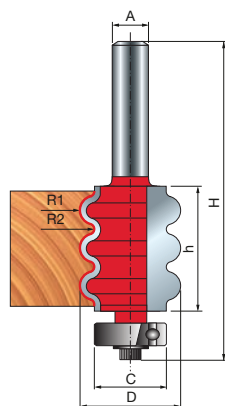
Profiling example

Triple beading bits 80-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
22,24	27,4	70,9	6	15,88	3,18	2	18.000	80-55206P	F03FR02205
22,24	27,4	70,9	8	15,88	3,18	2	24.000	80-55208P	F03FR02206
22,24	27,4	76,9	12	15,88	3,18	2	24.000	80-57212P	F03FR02207

Triple fluting bits 84-



D	h	H	A	C	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm		1/min.		
22,24	27,4	70,9	6	15,88	3,18	1,16	2	24.000	84-10606P	F03FR02220
22,24	27,4	70,9	8	15,88	3,18	1,16	2	24.000	84-10608P	F03FR02221
22,24	27,4	76,9	12	15,88	3,18	1,16	2	24.000	84-12612P	F03FR02222

Top bearing ogee and cove moulding bits

23-



Type A

D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
39,5	11,5	54,6	8	19	4	2	16.000	23-10008P	F03FR01654
39,5	11,5	58	12	19	4	2	16.000	23-10012P	F03FR01655
54	11,5	58	12	19	4	2	16.000	23-10212P	F03FR01656
60,5	17,3	63,8	12	19	6,35	2	12.000	23-10412P	F03FR01657

Type B

D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
38	12,5	55,6	8	19	6,35	2	16.000	23-20008P	F03FR01658
38	12,5	59	12	19	6,35	2	16.000	23-20012P	F03FR01659

Type C

D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
35	13,2	56,3	8	19	8	2	16.000	23-20208P	F03FR01660
38	14,5	57,6	8	19	9,53	2	16.000	23-20408P	F03FR01662
35	13,2	59,7	12	19	8	2	16.000	23-20212P	F03FR01661
38	14,5	61	12	19	9,53	2	16.000	23-20412P	F03FR01663

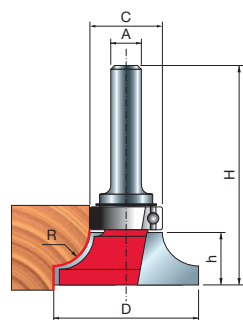
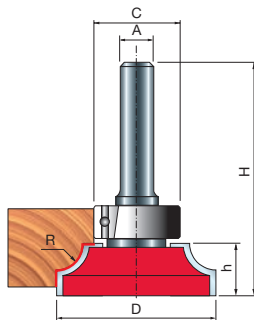
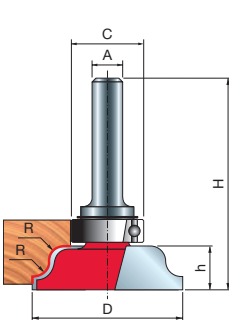


Table edge and hand rail bits

99-

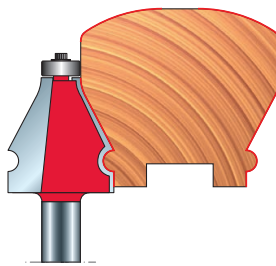
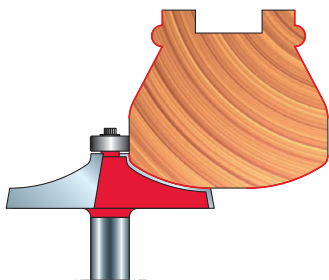
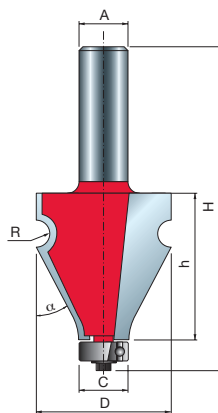
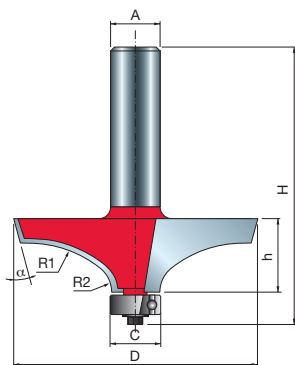


Type A

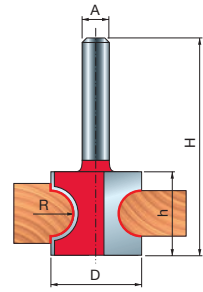
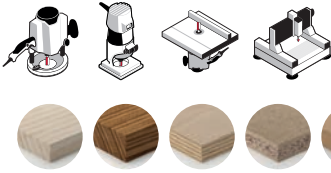
D	h	H	A	C	R1	R2	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm			1/min.		
63,5	18	66,2	12	12,7	30	8	15°	2	12.000	99-02712P	F03FR02421

Type B

D	h	H	A	C	R	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm			1/min.		
35	38,5	86,6	12	12,7	3,18	25°	2	16.000	99-07212P	F03FR02456



Half round bits 82-



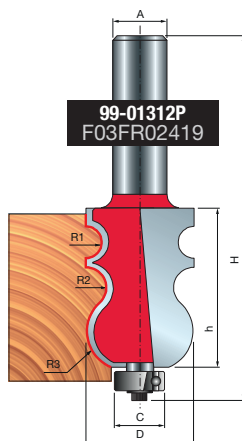
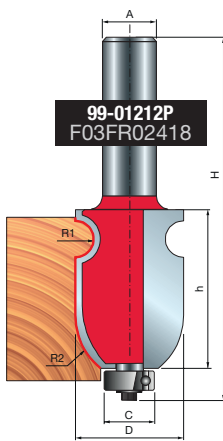
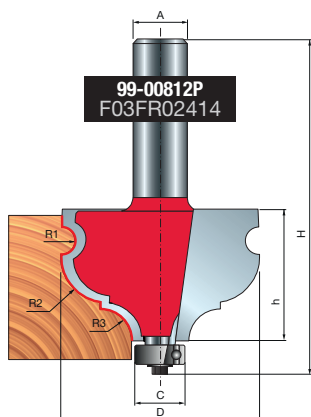
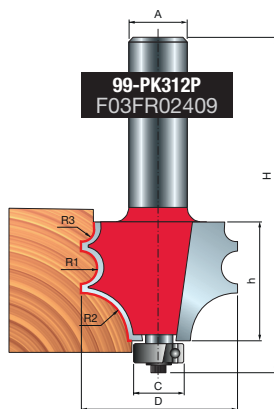
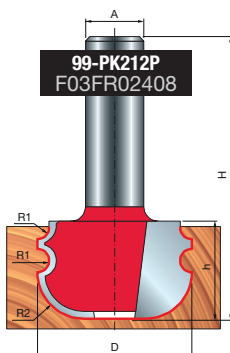
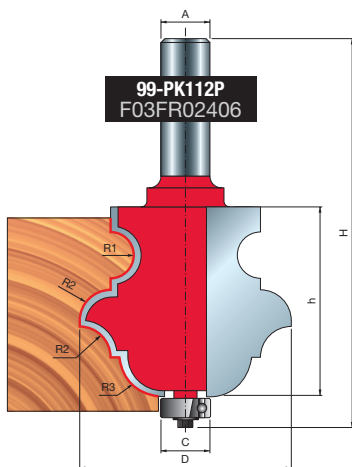
D	h	H	A		R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm		1/min.		
19	12,4	44,4	6		3,18	2	24.000	82-10206P	F03FR02208
22,22	19,5	51,5	6		4,8	2	24.000	82-10406P	F03FR02210
25,4	22,9	54,9	6		6,35	2	24.000	82-10606P	F03FR02213
19	12,4	44,4	8		3,18	2	24.000	82-10208P	F03FR02209
22,22	19,5	51,5	8		4,76	2	24.000	82-10408P	F03FR02211
25,4	22,9	54,9	8		6,35	2	24.000	82-10608P	F03FR02214
19	12,4	53,4	12		3,2	2	24.000	82-11012P	F03FR02215
22,22	19,5	60,5	12		4,76	2	24.000	82-11212P	F03FR02216
25,4	22,9	64,9	12		6,35	2	24.000	82-11412P	F03FR02217
37	29,05	71,05	12		9,5	2	16.000	82-11612P	F03FR02218
45,9	35,4	73,4	12		12,7	2	16.000	82-11812P	F03FR02219
22	19,5	51,5		1/4	4,76	2	24.000	82-10425P	F03FR02212

Multi-profile bits

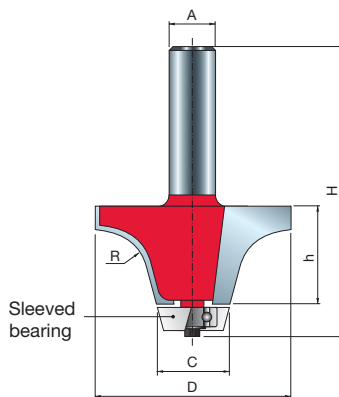
99-



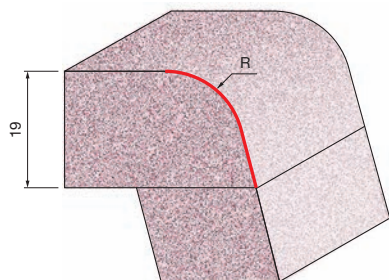
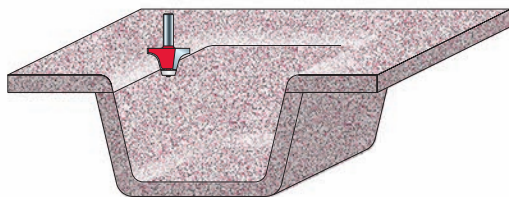
D	h	H	A	C	R1	R2	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm	mm		1/min.		
54,7	49	102	12	12,7	6	8	10	2	10.000	99-PK112P	F03FR02406
31,75	20	58	12	-	2,4	9,53	-	2	18.000	99-PK212P	F03FR02408
31,75	23,8	72	12	12,7	3,2	9,53	2,4	2	18.000	99-PK312P	F03FR02409
44,44	29	77,1	12	12,7	3	10,5	7	2	16.000	99-00812P	F03FR02414
23,8	35	83,5	12	12,7	4	15	-	2	24.000	99-01212P	F03FR02418
23,8	35	83,5	12	12,7	3,5	4,5	8,5	2	24.000	99-01312P	F03FR02419



Round over bowl bits 85-

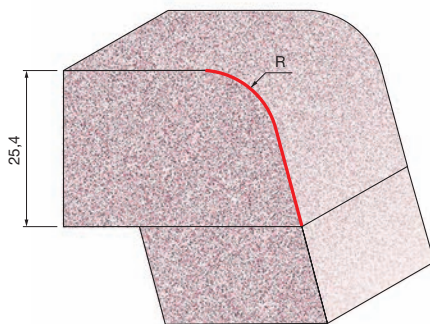


D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
54	25,4	74,6	12		22,2	12,7	2	16.000	85-00112P	F03FR02223
57,2	31,8	81	12		22,2	12,7	2	12.000	85-00312P	F03FR02225
50,8	25,4	73,6		1/2	19,1	12,7	2	16.000	85-00150P	F03FR02224



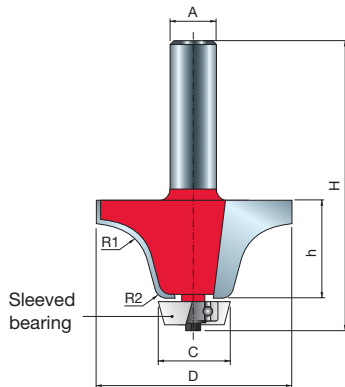
85-00112P
F03FR02223

85-00150P
F03FR02224

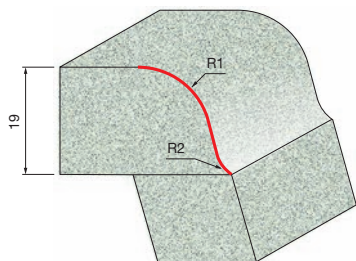
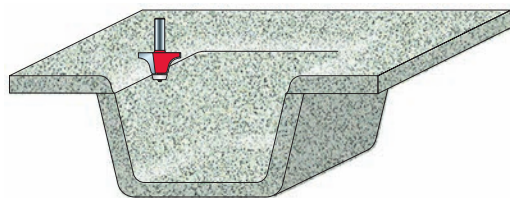


85-00312P
F03FR02225

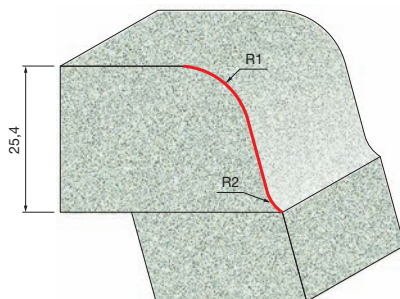
Ogee bowl bits 85-



D	h	H	A	C	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm		1/min.		
54	25,4	74,6	12	19,2	12,7	6,35	2	16.000	85-00512P	F03FR02226
57,2	31,8	80,9	12	19,2	12,7	6,35	2	12.000	85-00712P	F03FR02227

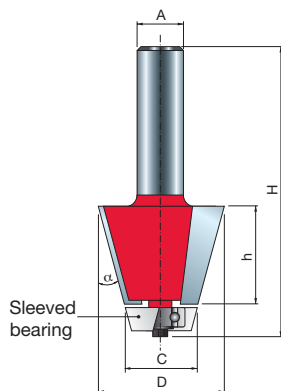


85-00512P
F03FR02226

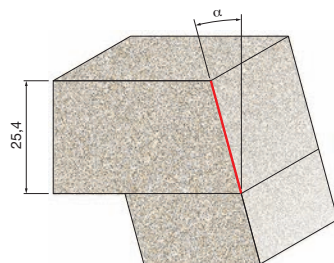
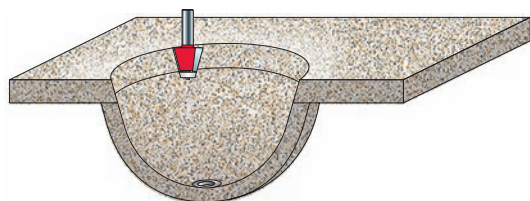


85-00712P
F03FR02227

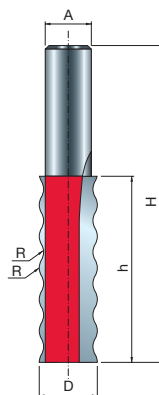
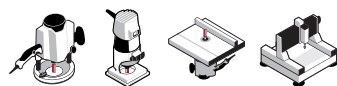
Bevel bowl bit 85-



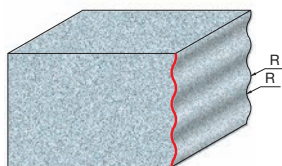
D	h	H	A	C	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm			1/min.		
35,6	25,4	78,1	12	22,2	15°	2	16.000	85-00912P	F03FR02228



Wavy joint bit 85-



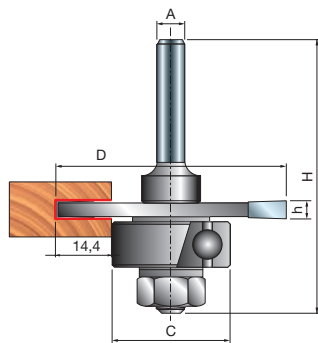
D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm			1/min.		
16	51,3	88	12	4	2	24.000	85-03312P	F03FR02229








JOINERY BITS

Wing slotting cutters 63-



D	h	H	A	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm		1/min.		
50,8	1,5	60,3	6	22	3	24.000	63-09906P	F03FR02049
50,8	1,6	60,3	6	22	3	24.000	63-10006P	F03FR02055
50,8	2	60,3	6	22	3	24.000	63-10406P	F03FR02058
50,8	2,4	60,3	6	22	3	24.000	63-10606P	F03FR02061
50,8	2,5	60,3	6	22	3	24.000	63-11306P	F03FR02079
50,8	3	60,3	6	22	3	24.000	63-11406P	F03FR02085
50,8	3,2	60,3	6	22	3	24.000	63-10806P	F03FR02064
50,8	3,5	60,3	6	22	3	24.000	63-11506P	F03FR02091
50,8	4	60,3	6	22	3	24.000	63-10906P	F03FR02067
50,8	4,8	60,3	6	22	3	24.000	63-11006P	F03FR02070
50,8	5	60,3	6	22	3	24.000	63-11606P	F03FR02097
50,8	6	60,3	6	22	3	24.000	63-11106P	F03FR02073

D	h	H	A	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm		1/min.		
50,8	6,4	60,3	6	22	3	24.000	63-11206P	F03FR02076
50,8	1,5	60,3	8	22	3	24.000	63-09908P	F03FR02052
50,8	2,5	60,3	8	22	3	24.000	63-11308P	F03FR02082
50,8	3	60,3	8	22	3	24.000	63-11408P	F03FR02088
50,8	3,5	60,3	8	22	3	24.000	63-11508P	F03FR02094
50,8	5	60,3	8	22	3	24.000	63-11608P	F03FR02100
50,8	1,5	60,3	12	22	3	24.000	63-14912P	F03FR02105
50,8	1,6	60,3	12	22	3	24.000	63-15012P	F03FR02108
50,8	2	60,3	12	22	3	24.000	63-15412P	F03FR02111
50,8	2,4	60,3	12	22	3	24.000	63-15612P	F03FR02114
50,8	2,5	60,3	12	22	3	24.000	63-16312P	F03FR02132
50,8	3	60,3	12	22	3	24.000	63-16412P	F03FR03241
50,8	3,2	60,3	12	22	3	24.000	63-15812P	F03FR02117
50,8	3,5	60,3	12	22	3	24.000	63-16512P	F03FR02137
50,8	4	60,3	12	22	3	24.000	63-15912P	F03FR02120
50,8	4,8	60,3	12	22	3	24.000	63-16012P	F03FR02123
50,8	5	60,3	12	22	3	24.000	63-16612P	F03FR02140
50,8	6	60,3	12	22	3	24.000	63-16112P	F03FR02126
50,8	6,4	60,3	12	22	3	24.000	63-16212P	F03FR02129

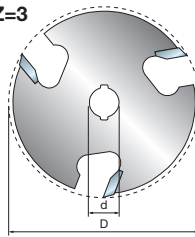
	Spare parts	Dimensions mm	Freud Code	Art. No.
	Washer	17 x 8,4 x 1,6	2617M AG9	F03F010005
	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	Ball bearing	22 x 8 x 7,1	3102M AC9	F03F010008

Slotting cutters

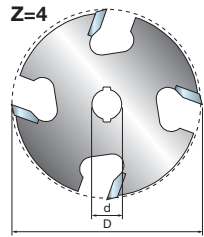
56- 58-



Z=3



Z=4



D	h	d	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm		1/min.		
50,8	1,5	8	3	24.000	56-09908P	F03FR02014
50,8	1,6	8	3	16.000	56-10008P	F03FR02015
50,8	2	8	3	24.000	56-10408P	F03FR02016
50,8	2,4	8	3	16.000	56-10608P	F03FR02017
50,8	2,5	8	3	24.000	56-11308P	F03FR02028
50,8	3	8	3	24.000	56-11408P	F03FR02029
50,8	3,2	8	3	24.000	56-10808P	F03FR02019
50,8	3,5	8	3	24.000	56-11508P	F03FR02030
50,8	4	8	3	24.000	56-10908P	F03FR02021
50,8	4,8	8	3	24.000	56-11008P	F03FR02023
50,8	5	8	3	24.000	56-11608P	F03FR02031
50,8	6	8	3	24.000	56-11108P	F03FR02025
50,8	6,4	8	3	24.000	56-11208P	F03FR02026

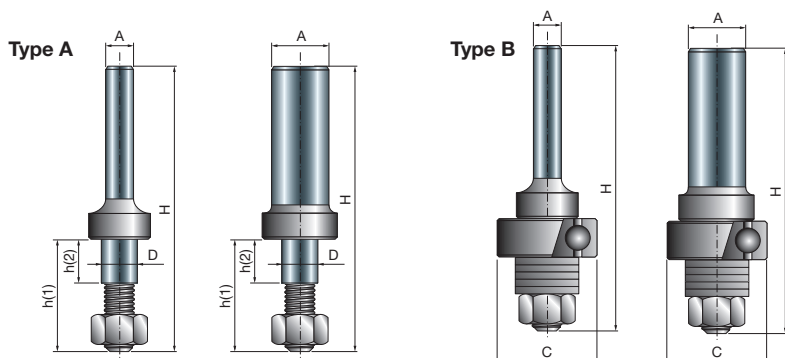
D	h	d	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm		1/min.		
50,8	1,5	8	4	16.000	58-09908P	F03FR02032
50,8	2	8	4	16.000	58-10408P	F03FR02033
50,8	2,5	8	4	16.000	58-11308P	F03FR02036
50,8	3	8	4	16.000	58-11408P	F03FR02037
50,8	5	8	4	24.000	58-11608P	F03FR02038
50,8	6	8	4	16.000	58-11108P	F03FR02034

Slotting cutter arbors

60-





D	h1	h2	H	C	A	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	1/min.		
7,94	24,6	10	60,3	-	6	24.000	60-10006P	F03FR02039
7,94	24,6	10	60,3	22	6	24.000	60-12006P	F03FR02044
7,94	24,6	10	60,3	-	8	24.000	60-10008P	F03FR02040
7,94	24,6	10	60,3	22	8	24.000	60-12008P	F03FR02045
7,94	24,6	10	60,3	-	12	24.000	60-10212P	F03FR02042
7,94	24,6	10	60,3	22	12	24.000	60-12212P	F03FR02046
7,94	24,6	10	60,3	-	1/4	24.000	60-10025P	F03FR02041
7,94	24,6	10	60,3	-	1/2	24.000	60-10250P	F03FR02043






Type A

60-10006P - 60-10008P - 60-10212P - 60-10025P - 60-10250P

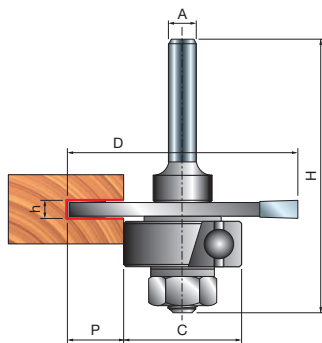
	Quantity	Spare parts	Dimensions mm	Freud Code	Art. No.
	7	Washer	17 x 8,4 x 1,6	2617M AG9	F03F010005
	1	Hex nut	7,94 x 6,75	2610M BB9	F03F010003

Type B

60-12006P - 60-12008P - 60-12212P

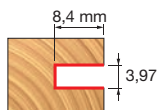
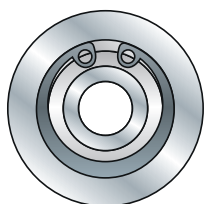
	Quantity	Spare parts	Dimensions mm	Freud Code	Art. No.
	5	Washer	17 x 8,4 x 1,6	2617M AG9	F03F010005
	1	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	1	Ball bearing	22 x 8 x 7	3102M AC9	F03F010008

Biscuit joint slot cutter 63-



D	h	H	C	P	A	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	mm	mm	inch	1/min.			
50,8	3,97	60,3	26-30-34	12,4-10,4-8,4	6	3	24.000	63-60906P	F03FR02143	
50,8	3,97	60,3	26-30-34	12,4-10,4-8,4	8	3	24.000	63-60908P	F03FR02146	
50,8	3,97	60,3	26-30-34	12,4-10,4-8,4	12	3	24.000	63-60912P	F03FR02149	
50,8	3,97	60,3	26-30-34	12,4-10,4-8,4		1/4	3	24.000	63-60925P	F03FR02152
50,8	3,97	60,3	26-30-34	12,4-10,4-8,4		1/2	3	24.000	63-60950P	F03FR02155

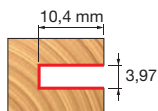
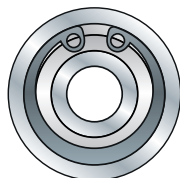
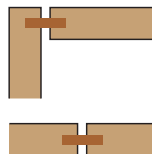
Spare parts	Dimensions mm	Freud Code	Art. No.	
	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	Washer	17 x 8,4 x 1,6	2617M AG9	F03F010005
	Washer	14 x 8,4 x 1,6	2617M BG9	F03FR01668
	Ball bearing	26 x 10 x 8	RB62M 1249	F03F011417
	Ball bearing	30 x 10 x 8	RB62M 1289	F03F011418
	Ball bearing	34 x 10 x 8	RB62ME DA9	F03FR01146



With Bearing **RB62M 1249**
(34mm)



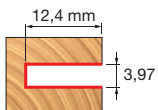
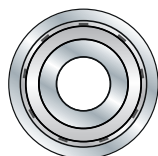
Biscuit Size-00
47mm x 15mm



With Bearing **RB62M 1289**
(30mm)



Biscuit Size-10
54mm x 19mm

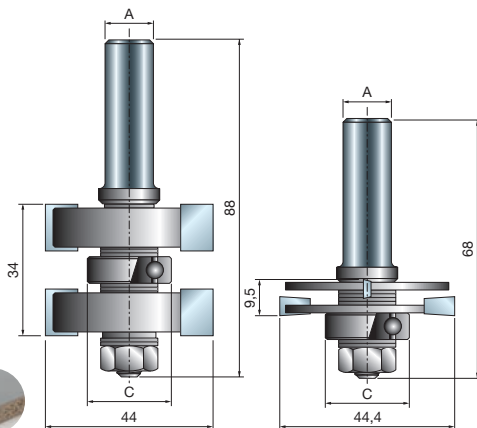


With Bearing **RB62ME DA9**
(26mm)



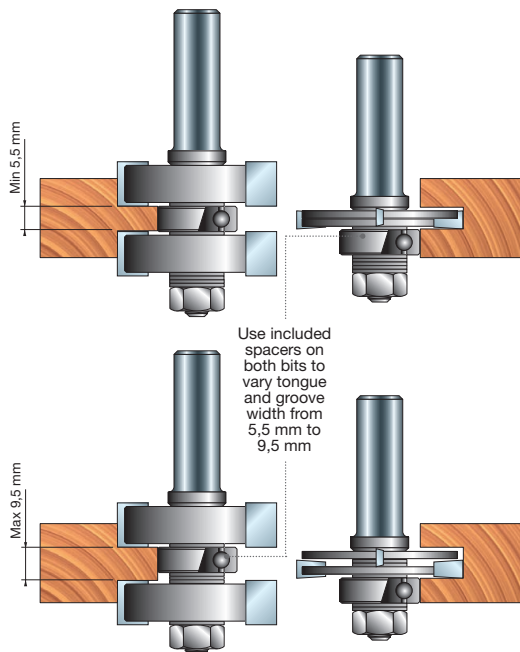
Biscuit Size-20
59mm x 22mm

Adjustable tongue and groove cutter set 99-

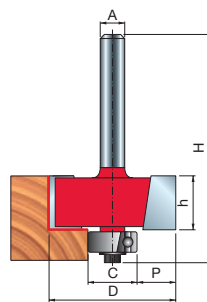


D	h	H	A	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm		1/min.		
44	34	88	12	22	2	16.000	99-03612P	F03FR02432
44,4	9,5	68	12	22	2			

	Qty	Spare parts	Dimensions mm	Freud Code	Art. No.
	2	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	2	Washer	14 x 8,4 x 1,6	2617M BG9	F03FR01668
	2	Ball bearing	22 x 8 x 7,1	3102M AC9	F03F010008
	4	Spacer	18 x 0,1 x 8	AN01MP0019	F03FC00392
	4	Spacer	18 x 0,2 x 8	AN01MP0029	F03FC00393
	2	Spacer	18 x 0,5 x 8	AN01MP0059	F03FC00395
	8	Spacer	18 x 1 x 8	AN01MP0109	F03FC00396
	4	Spacer	18 x 0,15 x 8	AN01MPAA99	F03FC00391



Rabbeting bits 32-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
31,75	13,2	55,7	6		12,7	9,52	2	18.000	32-10006P	F03FR01745
34,92	12,7	54,4	6		12,7	11,1	2	16.000	32-50006P	F03FR01750
31,75	13,2	55,7	8		12,7	9,52	2	18.000	32-10008P	F03FR01746
34,92	12,7	54,7	8		12,7	11,1	2	16.000	32-50008P	F03FR01751
31,75	13,2	61,7	12		12,7	9,52	2	18.000	32-10212P	F03FR01748
34,92	12,7	60,7	12		12,7	11,1	2	16.000	32-52012P	F03FR01758
31,75	13,2	55,7		1/4	12,7	9,52	2	18.000	32-10025P	F03FR01747
31,75	13,2	61,7		1/2	12,7	9,52	2	18.000	32-10250P	F03FR01749








Rabbeting bits with bearing set











Rabbeting bits with a set of 4 ball bearings

D	h	H	A	C	P	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
34,92	12,7	54,4	6		9,53-19,05	7,94-12,7	2	16.000	32-50206P	F03FR01752
34,92	12,7	54,4	8		9,53-19,05	7,94-12,7	2	16.000	32-50208P	F03FR01753
34,92	12,7	60,7	12		9,53-19,05	7,94-12,7	2	16.000	32-52212P	F03FR01759
34,92	12,7	60,7		1/2	9,53-15,88	9,53-12,7	2	16.000	32-52250P	F03FR01760

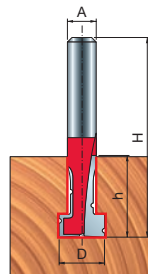
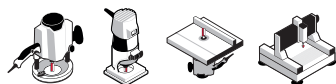
Rabbeting bits with a set of 7 ball bearings

D	h	H	A	C	P	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
34,92	12,7	54,7	6	9,53-34,92	0-12,7	2	16.000	32-50406P	F03FR01755
34,92	12,7	54,4	8	9,53-34,92	0-12,7	2	16.000	32-50408P	F03FR01756
34,92	12,7	60,7	12	9,53-34,92	0-12,7	2	16.000	32-52412P	F03FR01761

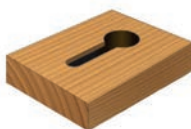
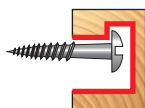
	Spare parts	Dimensions mm	Freud Code	Art. No.	
	Screw	M3 x 7,6	2607M 001	F03F010000	
	Allen key	2,5	2619M CA9	F03FA07432	
	Washer	9 x 2 x 6	FX07M AA9	F03F010158	
	Washer	12 x 1,1 x 4,8	FX07M AB9	F03F010159	
32-52250P		Ball bearing	9,53 x 3,2 x 4,76	3102M AA9	F03F010006
		Ball bearing	12,7 x 4,98 x 4,76	3102M AB9	F03F010007
		Ball bearing	15,88 x 4,97 x 4,76	3102M AJ9	F03F010014

		Spare parts	Dimensions mm	Freud Code	Art. No.
32-50206P 32-50208P 32-52212P		Ball bearing	9,53 x 3,2 x 4,76	3102M AA9	F03F010006
		Ball bearing	12,7 x 4,98 x 4,76	3102M AB9	F03F010007
		Ball bearing	15,88 x 4,97 x 4,76	3102M AJ9	F03F010014
32-50406P 32-50408P 32-52412P		Ball bearing	9,53 x 3,2 x 4,76	3102M AA9	F03F010006
		Ball bearing	12,7 x 4,98 x 4,76	3102M AB9	F03F010007
		Ball bearing	15,88 x 4,97 x 4,76	3102M AJ9	F03F010014
		Ball bearing	19,05 x 8 x 4,76	RB62M 1509	F03F011422
		Ball bearing	22,22 x 8 x 4,76	RB62M 1529	F03F011423
		Ball bearing	28,58 x 8 x 4,76	RB62M 1549	F03F011424
		Ball bearing	34,92 x 8 x 4,76	RB62M 1569	F03F011425

Keyhole bit 70-

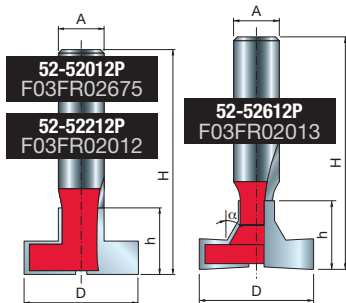
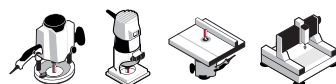


D	h	H	A	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm		1/min.		
10	17	48,2	6	2	24.000	70-10406P	F03FR02159

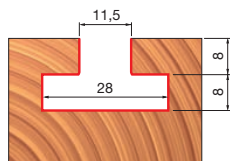


Example of keyhole

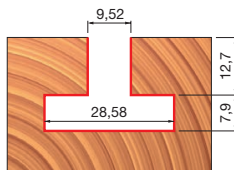
T-slotting bits 52-



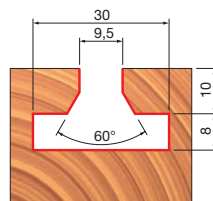
D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm			1/min.		
28	16	59	12	-	2	22.000	52-52012P	F03FR02675
28,58	20,6	63,5	12	-	2	18.000	52-52212P	F03FR02012
30	18	61	12	30°	2	18.000	52-52612P	F03FR02013



52-52012P
F03FR02675

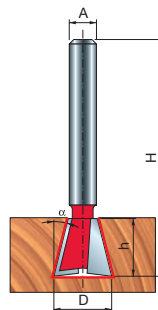
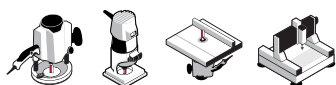


52-52212P
F03FR02012



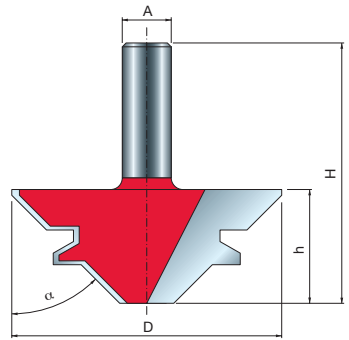
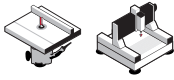
52-52612P
F03FR02013

Dovetail Bits 22-

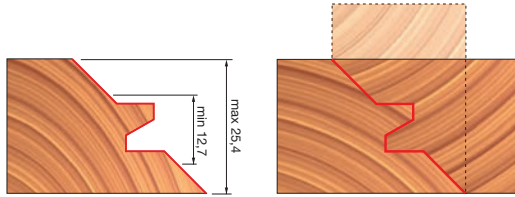


D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch		1/min.			
9,52	10,5	47,5	6	9°	2	24.000	22-10206P	F03FR01640	
12,7	12,7	50,7	6	14°	2	24.000	22-10406P	F03FR01643	
15,88	22,2	54,2	6	7°	2	24.000	22-10506P	F03FR01646	
19,05	22,2	54,2	6	7°	2	24.000	22-10606P	F03FR01648	
9,52	10,5	47,5	8	9°	2	24.000	22-10208P	F03FR01641	
12,7	12,7	50,7	8	14°	2	24.000	22-10408P	F03FR01644	
15,88	22,2	54,2	8	7°	2	24.000	22-10508P	F03FR01647	
19,05	22,2	54,2	8	7°	2	24.000	22-10608P	F03FR01649	
12,7	12,7	59,7	12	14°	2	24.000	22-11212P	F03FR01650	
19,05	22,2	66,7	12	7°	2	24.000	22-11412P	F03FR01653	
9,52	9,9	44,9		1/4	9°	2	24.000	22-10225P	F03FR01642
12,7	12,7	50,7		1/4	14°	2	24.000	22-10425P	F03FR01645
12,7	12,7	59,7		1/2	14°	2	24.000	22-11250P	F03FR01651

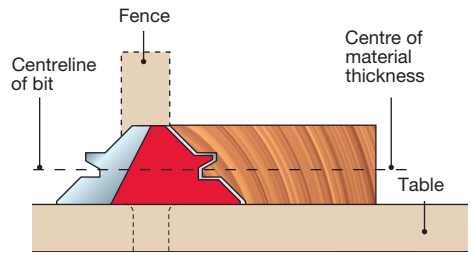
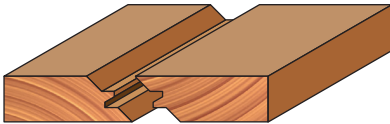
Lock mitre bits 45° 99-



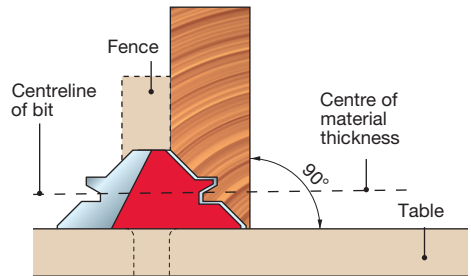
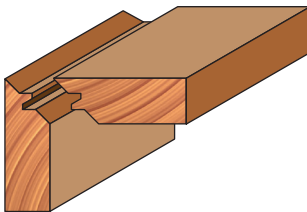
D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm			1/min.		
55	23	61	12	45°	2	16.000	99-03512P	F03FR02425
70	29,5	67,5	12	45°	2	12.000	99-03412P	F03FR02424



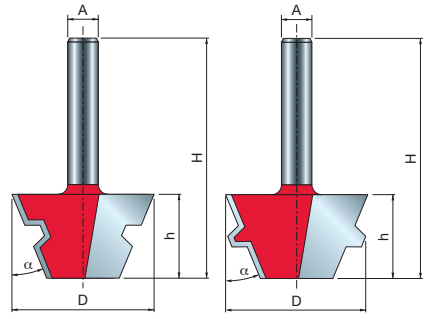
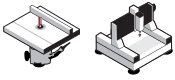
Simple Joint



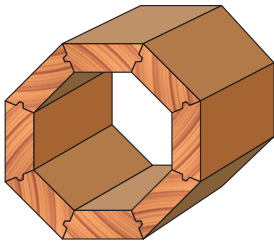
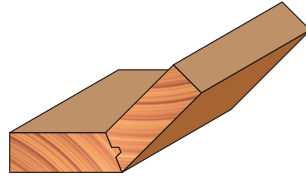
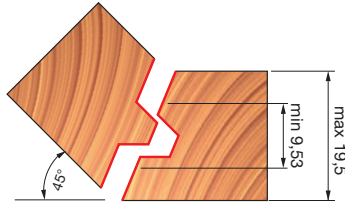
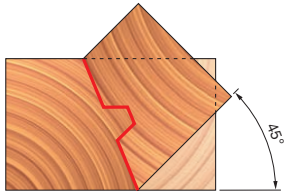
45° Mitre Join



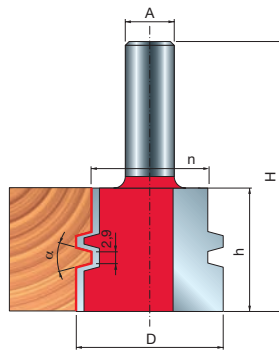
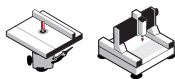
2 Piece lock mitre bit set 22,5° 99-



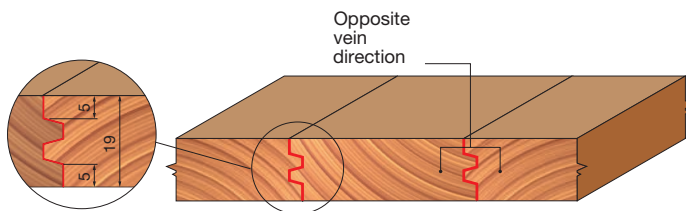
D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm			1/min.		
37,3	22,2	54,2	8	22,5°	2	24.000	99-04308P	F03FR02450



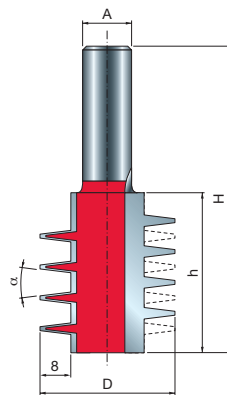
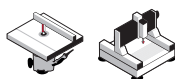
Reversible glue joint bits 99-



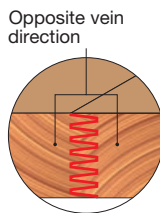
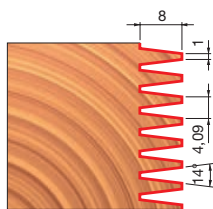
D	h	H	n	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	inch		1/min.		
38	32	70	30,2	12	15°	2	16.000	99-03112P	F03FR02422
38	32	70	30,2	1/2	15°	2	16.000	99-03150P	F03FR02423



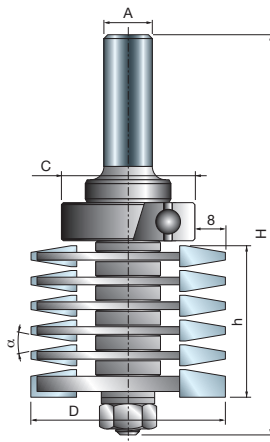
Finger joint bit 99-



D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm			1/min.		
35	41,5	79,5	12	14°	2	16.000	99-03712P	F03FR02440

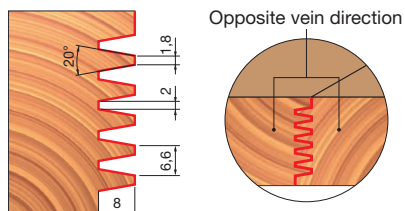


Top bearing finger joint bit - Type A 99-

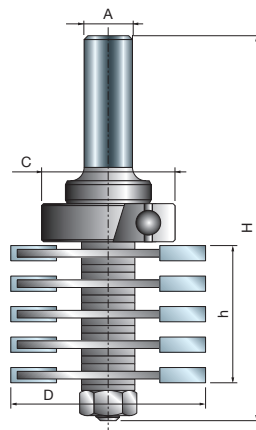


D	h	H	A	C	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm			1/min.		
50,8	45,2	108	12	35	20°	2	24.000	99-03912P	F03FR02444








Spare parts	Dimensions mm	Freud Code	Art. No.
	Hex nut	7,94 x 6,75	2610M BB9 F03F010003
	Washer	14 x 8,4 x 1,6	2617M BG9 F03FR01668
	Ball bearing	35 x 15 x 11	3102M AI9 F03F012285
	Spacer	18 x 0,1 x 8	AN01MP0019 F03FC00392
	Spacer	18 x 1 x 8	AN01MP0109 F03FC00396
	Spacer	18 x 2,5 x 8	AN01MP0259 F03FC00398
	Spacer	18 x 4,4 x 8	AN01MP0449 F03FC00399

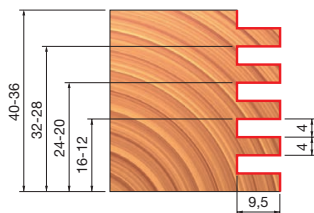


Top bearing finger joint bit - Type B 99-

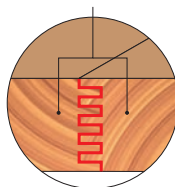


D	h	H	A	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm		1/min.		
47	36	101	12	28	2	24.000	99-04212P	F03FR02447

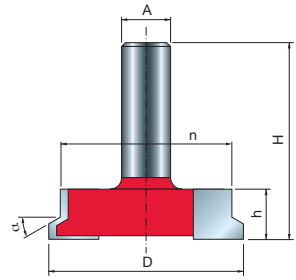
	Spare parts	Dimensions mm	Freud Code	Art. No.
	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	Washer	14 x 8,4 x 1,6	2617M BG9	F03FR01668
	Ball bearing	28 x 12 x 8	3102M AH9	F03F010013
	Spacer	18 x 0,2 x 8	AN01MP0029	F03FC00393
	Spacer	18 x 1 x 8	AN01MP0109	F03FC00396
	Spacer	18 x 0,5 x 8	AN01MP0059	F03FC00395
	Spacer	18 x 4,4 x 8	AN01MP0449	F03FC00399



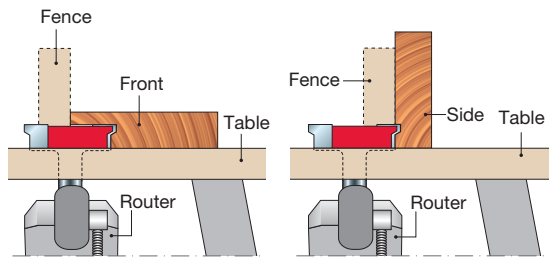
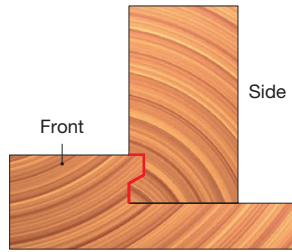
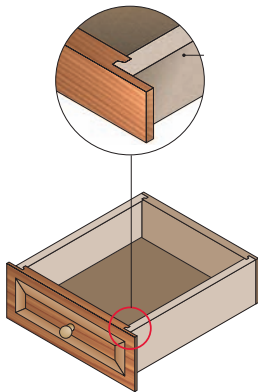
Opposite vein direction



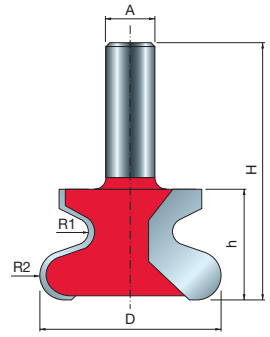
Drawer lock bit 99-



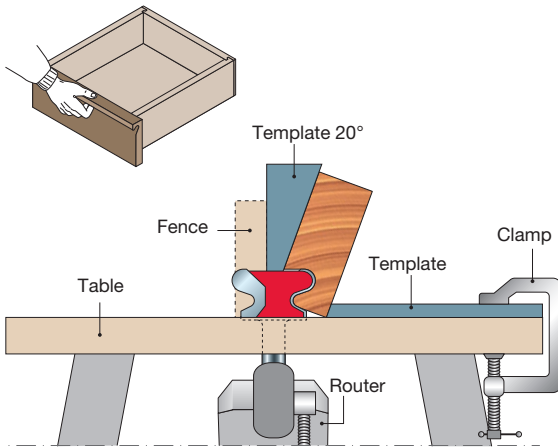
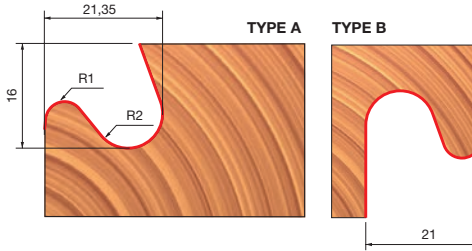
D	h	H	A	n	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm			1/min.		
50,5	13	49	12	44,5	30°	2	16.000	99-24012P	F03FR02463



Door pull bit 99-



D	h	H	A	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
47	28,7	66,7	12	3,2	6,35	2	16.000	99-00712P	F03FR02413



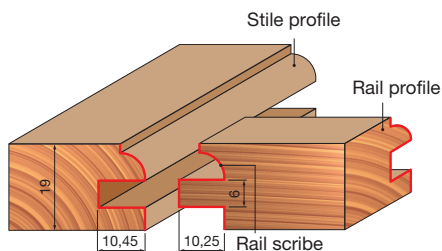
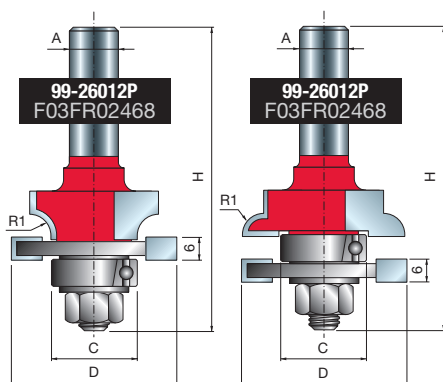
Matched profile and scribe bits

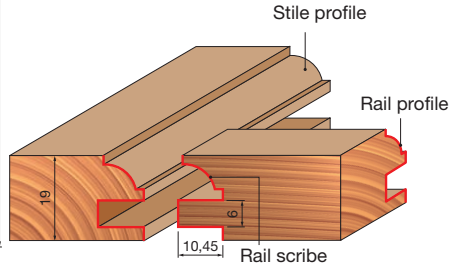
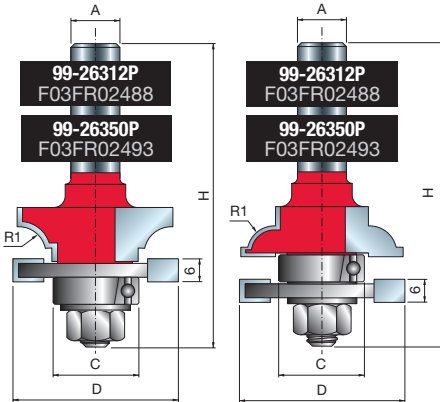
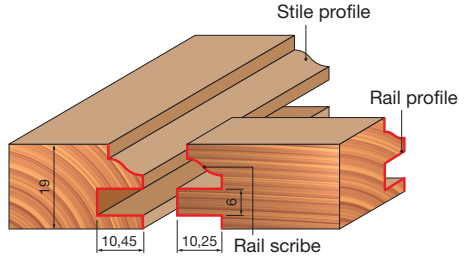
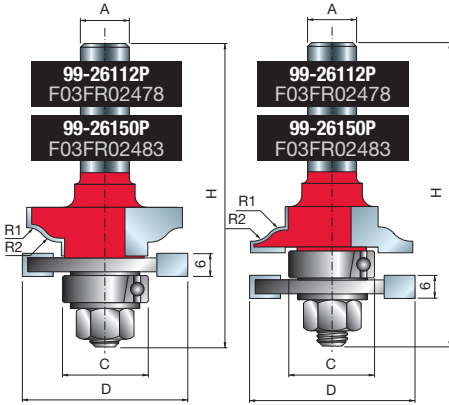
99-



D	H	A	R1	R2	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	inch	mm	mm	mm	1/min.		
42,9	77	12	5,5	-	22	2	24.000	99-26012P	F03FR02468
42,9	77	12	4,5	5,5	22	2	24.000	99-26112P	F03FR02478
42,9	77	12	7	-	22	2	24.000	99-26312P	F03FR02488
42,9	77	1/2	4,5	5,5	22	2	24.000	99-26150P	F03FR02483
42,9	77	1/2	7	-	22	2	24.000	99-26350P	F03FR02493

	Spare parts	Dimensions mm	Freud Code	Art. No.
	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	Spacer	18 x 0,1 x 8	AN01MP0019	F03FC00392
	Spacer	18 x 0,2 x 8	AN01MP0029	F03FC00393
	Spacer	18 x 0,5 x 8	AN01MP0059	F03FC00395
	Spacer	18 x 1 x 8	AN01MP0109	F03FC00396
	Ball bearing	22 x 8 x 7,1	3102M AC9	F03F010008





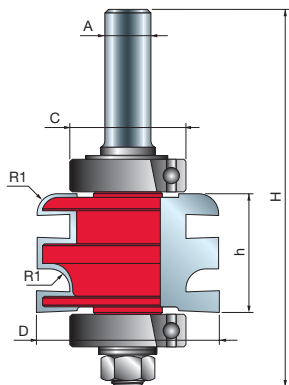
Matched profile and scribe bits

99-



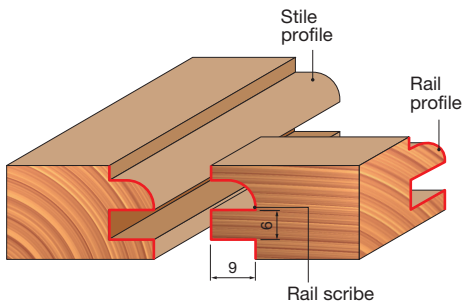
D	h	H	A	R1	R2	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm	mm	1/min.		
50,4	32,7	104	12	5,5	-	32	2	14.000	99-29012P	F03FR02494
50,4	32,7	104	12	5,5	4,5	32	2	14.000	99-29112P	F03FR02496
50,4	32,7	104	12	7	-	32	2	14.000	99-29312P	F03FR02498
50,4	32,7	104	1/2	5,5	-	32	2	14.000	99-29050P	F03FR02495
50,4	32,7	104	1/2	7	-	32	2	14.000	99-29350P	F03FR02499

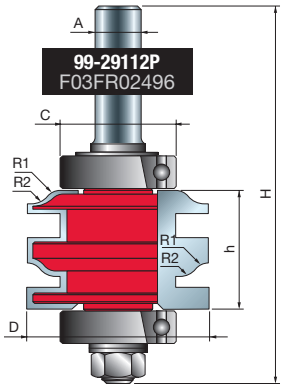
	Spare parts	Dimensions mm	Freud Code	Art. No.
	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	Retaining ring	15 x 13,9	2621ME 015	F03FA07444
	Ball bearing	32 x 15 x 9	3102M AN9	F03F010016
	Spacer	18 x 1 x 8	AN01MP0109	F03FC00396



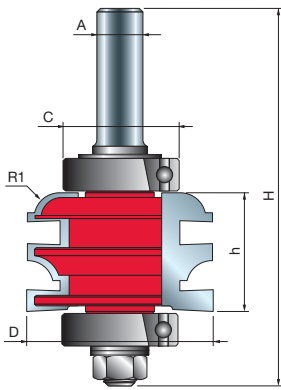
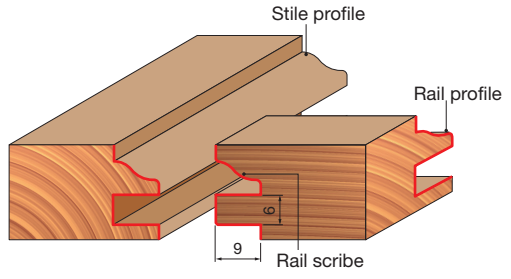
99-29012P
F03FR02494

99-29050P
F03FR02495



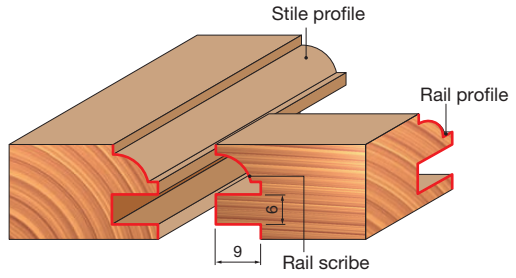


99-29112P
F03FR02496



99-29312P
F03FR02498

99-29350P
F03FR02499







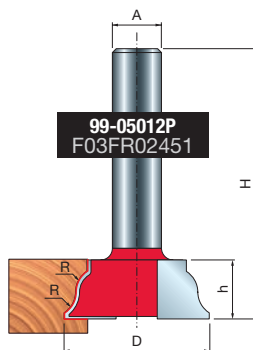
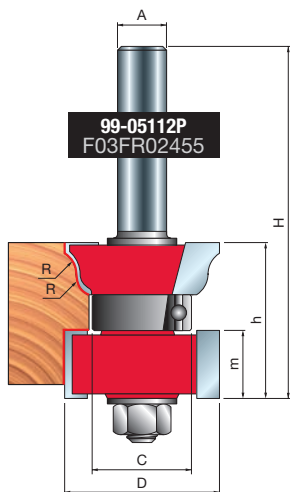
Window router bits

99-

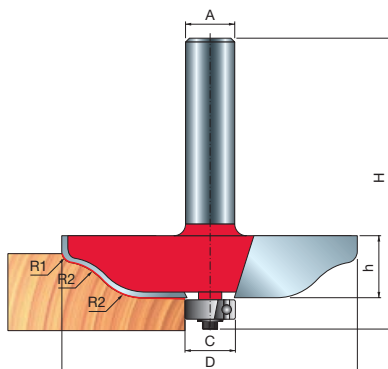


D	h	H	A	m	C	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm		1/min.		
34	35,9	78,4	12	14,5	22	6	2	16.000	99-05112P	F03FR02455
38	15,5	53,5	12	-	-	6	2	16.000	99-05012P	F03FR02451

	Spare parts	Dimensions mm	Freud Code	Art. No.
	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	Washer	14 x 8,4 x 1,6	2617M BG9	F03FR01668
	Ball bearing	22 x 8 x 7,1	3102M AC9	F03F010008
	Spacer	18 x 0,1 x 8	AN01MP0019	F03FC00392






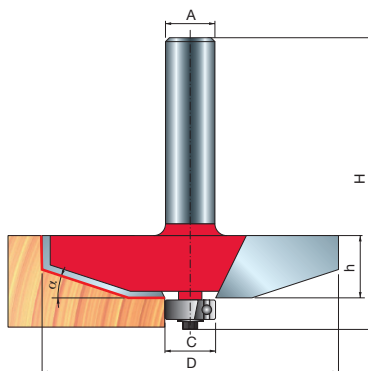
Raised panel bits 99-



Type A

D	h	H	A	C	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	mm		1/min.		
76,2	16	64,7	12		12,7	2	2	12.000	99-22112P	F03FR02458
70	16	64,5	1/2		12,7	14	3	12.000	99-51050P	F03FR02504
89	16	64,5	1/2		12,7	20	4	10.000	99-52050P	F03FR02512

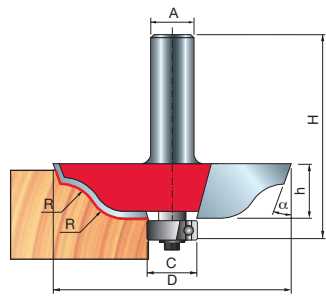
	Spare parts	Dimensions mm	Freud Code	Art. No.
	Screw	M3 x 7,6	2607M 001	F03F010000
	Ball bearing	12,7 x 4,98 x 4,76	3102M AB9	F03F010007
	Washer	12 x 1,1 x 4,8	FX07M AB9	F03F010159



Type B

D	h	H	A	C	α	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
76,2	16	64,7	12		12,7	2	12.000	99-22112P	F03FR02458	
70	16	64,5	1/2		12,7	14	4	12.000	99-51050P	F03FR02504
89	16	64,5	1/2		12,7	20	4	10.000	99-52050P	F03FR02512

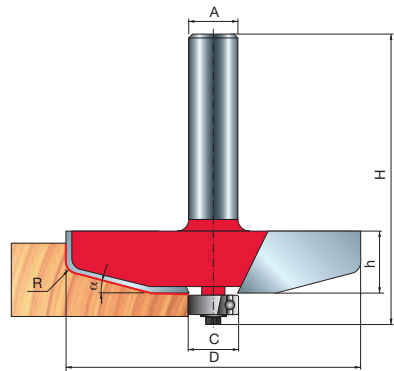
For spare parts check **Type A** table.



Type C

D	h	H	A	C	α	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	inch	mm		mm		1/min.		
70	16	64,5	1/2	12,7	20°	11	4	12.000	99-51350P	F03FR02507

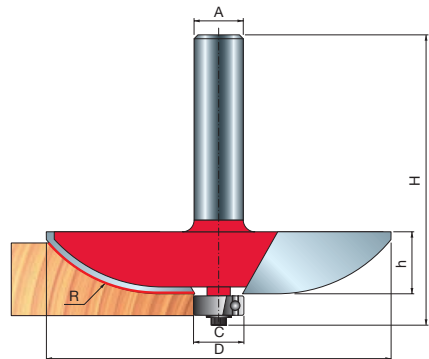
For spare parts check **Type A** table.



Type D

D	h	H	A	C	α	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	inch	mm		mm		1/min.		
76,2	16	60	12	12,7	15°	4,8	2	12.000	99-22412P	F03FR02461

For spare parts check **Type A** table.



Type E

D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
89	16	64,7	12		12,7	38,1	2	10.000	99-22512P	F03FR02462
89	16	64,5	1/2	12,7	38	4	10.000	99-51850P	F03FR02510	

For spare parts check **Type A** table.

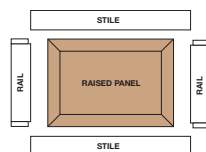
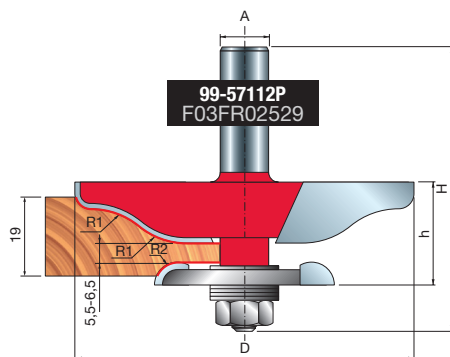
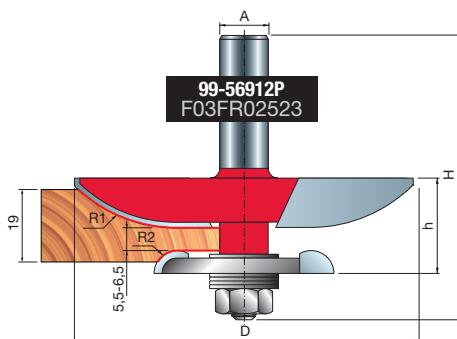
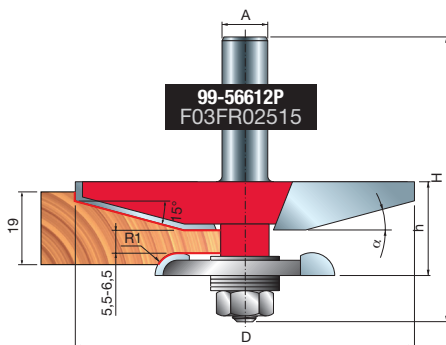
Raised panel bits with back cutters

99-



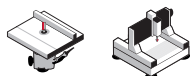
D	h	H	A	α	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm		mm	mm		1/min.		
89	25	75	12	15°	6	-	2	14.000	99-56612P	F03FR02515
89	25	75	12	15°	38	6	2	14.000	99-56912P	F03FR02523
89	25	75	12	15°	30	6	2	14.000	99-57112P	F03FR02529

	Spare parts	Dimensions mm	Freud Code	Art. No.
	Hex nut	7,94 x 6,75	2610M BB9	F03F010003
	Spacer	18 x 0,1 x 8	AN01MP0019	F03FC00392
	Spacer	18 x 0,2 x 8	AN01MP0029	F03FC00393
	Spacer	18 x 0,5 x 8	AN01MP0059	F03FC00395
	Spacer	18 x 1 x 8	AN01MP0109	F03FC00396
	Spacer	18 x 0,15 x 8	AN01MPAA99	F03FC00391

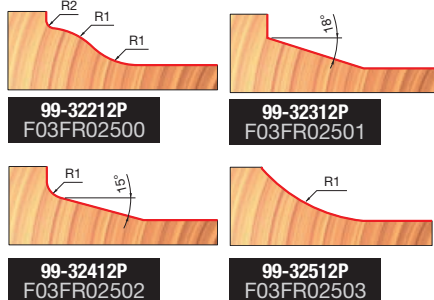
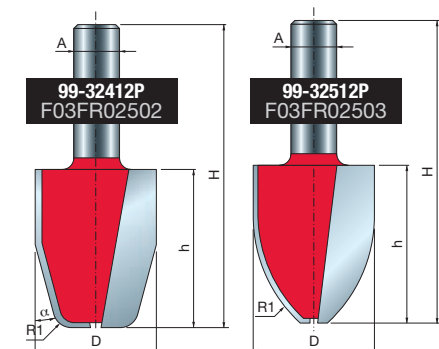
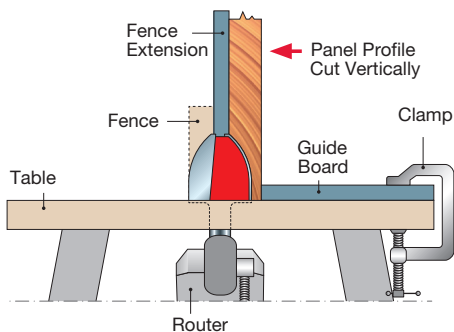
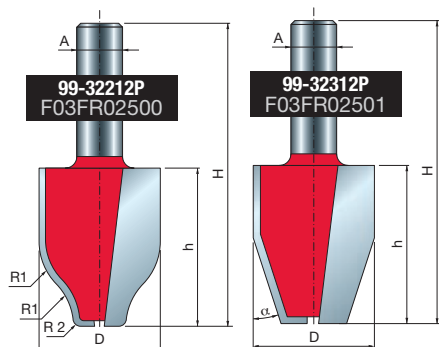


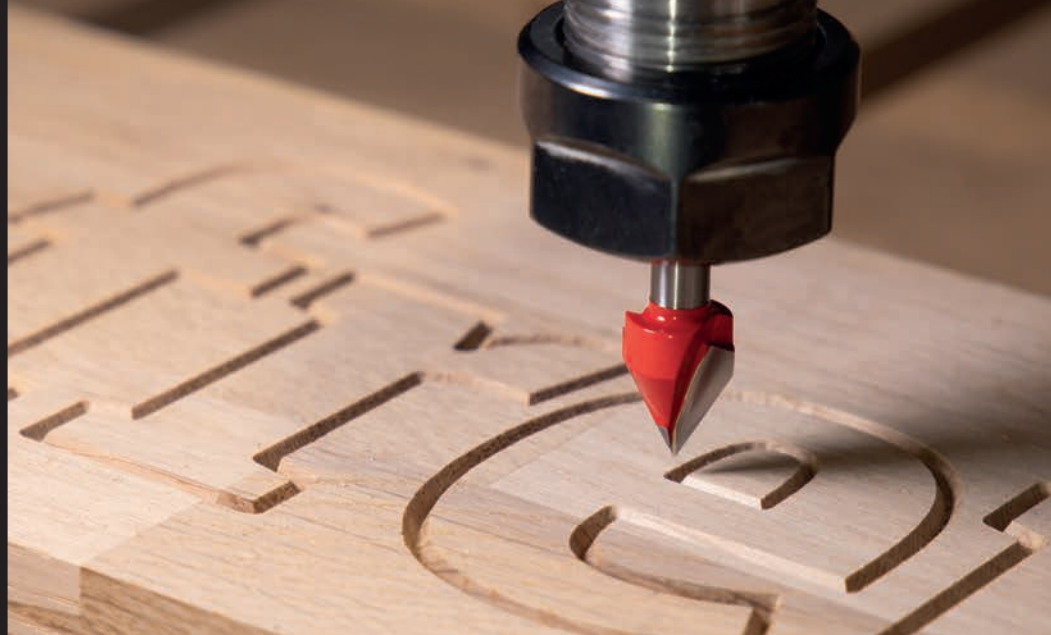
Vertical raised panel bits

99-



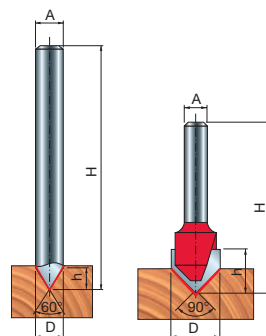
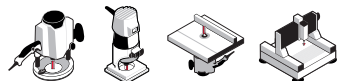
D	h	H	A	α	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm		mm	mm		1/min.		
31,8	41,5	79,5	12	-	2	16	2	16.000	99-32212P	F03FR02500
31,8	41,5	79,5	12	18°	-	-	2	16.000	99-32312P	F03FR02501
31,8	41,5	79,5	12	15°	4,8	-	2	16.000	99-32412P	F03FR02502
31,8	41,5	79,5	12	-	38,1	-	2	16.000	99-32512P	F03FR02503





SURFACE FORMING BITS

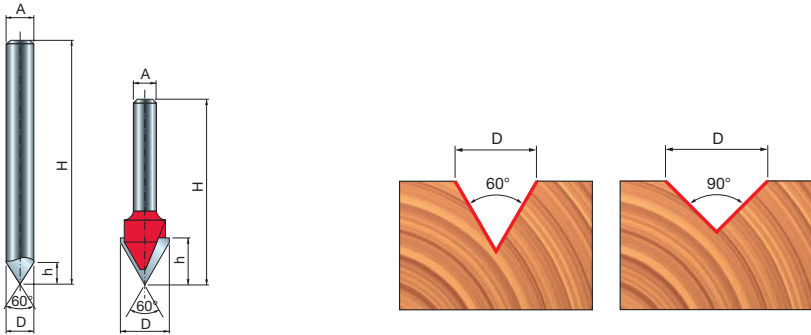
V-groove bits 20- PI01



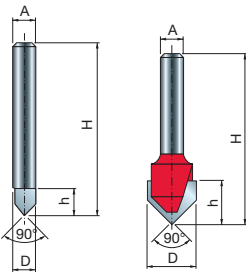
D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch		1/min.		
• 6	6	38,1	6	90°	1	24.000	20-10006P	F03FR01617
9,5	10	44,4	6	90°	2	24.000	20-10206P	F03FR01619
12,7	10	44,4	6	90°	2	24.000	20-10406P	F03FR01622
12,7	12,7	49,2	6	60°	2	24.000	20-15206P	F03FR01629
12,7	11	57,3	6	60°	3	24.000	20-15406P	F03FR01632
• 6	6	38,1	8	90°	1	24.000	20-10008P	F03FR01618
• 8	6	70	8	60°	1	30.000	PI01MD6083	F03FR00382
• 8	8	70	8	60°	1	24.000	20-16008P	F03FR01634
9,5	10	44,4	8	90°	2	24.000	20-10208P	F03FR01620
12,7	10	44,4	8	90°	2	24.000	20-10408P	F03FR01623
12,7	12,7	50,8	8	60°	2	24.000	20-15208P	F03FR01630
12,7	11	54	8	60°	3	24.000	20-15408P	F03FR01633
31,75	16	51	8	90°	2	24.000	20-91408P	F03FR02857

D	h	H	A	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch		1/min.		
15,88	12,5	56,5	12		2	24.000	20-10612P	F03FR01625
19,05	12,5	57,2	12		2	24.000	20-10812P	F03FR01626
9,53	10	44,4		1/4	2	24.000	20-10225P	F03FR01621
12,7	10	44,4		1/4	2	24.000	20-10425P	F03FR01624
• 12,7	12,7	47,5		1/4	2	24.000	20-15225P	F03FR01631
12,7	12,7	54,7		1/2	2	24.000	20-10950P	F03FR01628

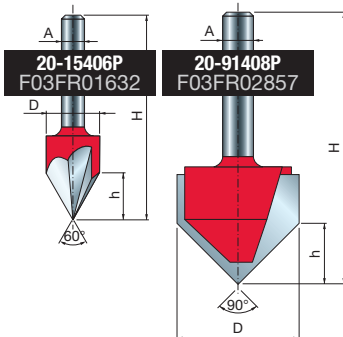
• Solid Carbide Bits



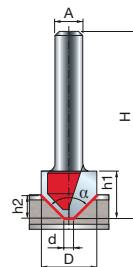
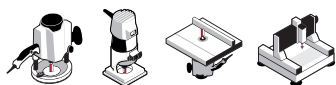
Solid Carbide Bits



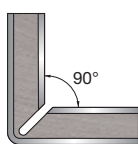
Solid Carbide Bits



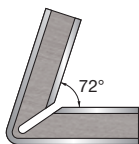
V-groove bits for ACM panel folding 21-



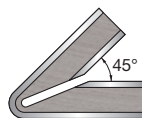
D	h1	h2	H	A	C	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	inch	mm		1/min.		
16	12,5	6,8	50,8	6	2,5	90°	2	24.000	21-11206P	F03FR04018
19,05	12,5	6	50,8	6	2,5	108°	2	24.000	21-14606P	F03FR04021
22,23	12,5	4,2	50,8	6	2,29	135°	2	24.000	21-18206P	F03FR04024
16	12,5	6,8	50,8	8	2,5	90°	2	24.000	21-11208P	F03FR04019
19,05	12,5	6	50,8	8	2,5	108°	2	24.000	21-14608P	F03FR04022
22,23	12,5	4,2	50,8	8	2,29	135°	2	24.000	21-18208P	F03FR04025
12,7	10,8	5,2	50,8	1/4	2,29	90°	2	24.000	21-11025P	F03FR04017
16	12,7	6,8	50,8	1/4	2,5	90°	2	24.000	21-11225P	F03FR04020
19,05	12,7	6	50,8	1/4	2,5	108°	2	24.000	21-14625P	F03FR04023
22,23	12,7	4,2	50,8	1/4	2,29	135°	2	24.000	21-18225P	F03FR04026



$\alpha = 90^\circ$

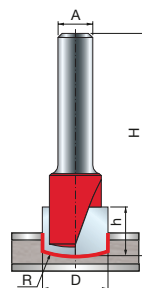
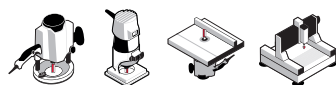


$\alpha = 108^\circ$

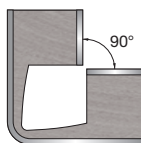


$\alpha = 135^\circ$

Rectangular groove bits for ACM panel folding 21-

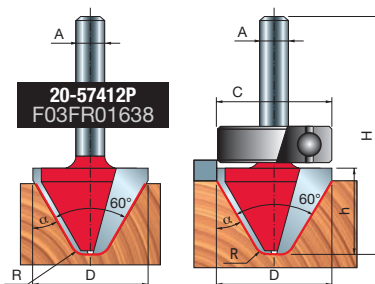
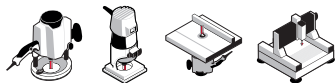


D	h	H	A	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	1/min.		
15,88	11	50	8	23,8	2	24.000	21-20008P	F03FR03967
15,88	11	50,8	1/4	23,8	2	24.000	21-20025P	F03FR03963



Lettering bits

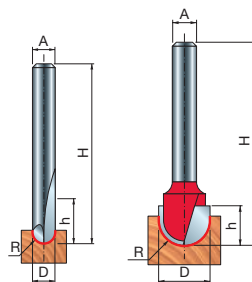
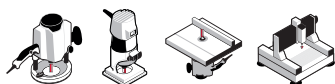
20-



D	h	H	A	C	R	α	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm			1/min.		
25,4	19	51,05	6	-	3	60°	2	24.000	20-17206P	F03FR01635
25,4	19	51,05	8	-	3	60°	2	24.000	20-17208P	F03FR01636
28,57	19	57	12	-	3	60°	2	18.000	20-17412P	F03FR01637
28	19	67,15	12	28	3	60°	2	18.000	20-57412P	F03FR01638

Round nose bits

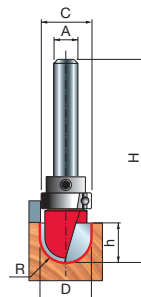
18-



D	h	H	A	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	1/min.			
• 3,2	9,5	50,5	6	1,6	2	24.000	18-10006P	F03FR01581	
• 4,8	9,5	50,5	6	2,4	2	24.000	18-10206P	F03FR01584	
• 6	12,7	50,8	6	3	2	24.000	18-10406P	F03FR01587	
9,52	9	46	6	4,8	2	24.000	18-10606P	F03FR01590	
12	9	46	6	6	2	24.000	18-10806P	F03FR01593	
15,88	11	50,8	6	8	2	24.000	18-11006P	F03FR01596	
19,05	11	50,8	6	9,5	2	24.000	18-11206P	F03FR01599	
• 3,2	9,5	50,5	8	1,6	2	24.000	18-10008P	F03FR01582	
• 4,8	9,5	50,5	8	2,4	2	24.000	18-10208P	F03FR01585	
• 6	12,7	50,8	8	3	2	24.000	18-10408P	F03FR01588	
9,52	9	46	8	4,8	2	24.000	18-10608P	F03FR01591	
12	9	46	8	6	2	24.000	18-10808P	F03FR01594	
15,88	11	50,8	8	8	2	24.000	18-11008P	F03FR01597	
19,05	11	50,8	8	9,5	2	24.000	18-11208P	F03FR01600	
• 6	9,5	57	12	3	2	24.000	18-11412P	F03FR01602	
12,7	31,7	71,5	12	6,35	2	24.000	18-11612P	F03FR01604	
19,05	31,7	73	12	9,5	2	24.000	18-12212P	F03FR01606	
25,4	31,7	73	12	12,7	2	24.000	18-12612P	F03FR01608	
• 3,18	9,5	50,5		1/4	1,59	2	24.000	18-10025P	F03FR01583

D	h	H	A	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	1/min.		
4,76	6,4	50,5	1/4	2,38	2	24.000	18-10225P	F03FR01586
6,35	12,7	50,5	1/4	3,18	2	24.000	18-10425P	F03FR01589
9,52	9	45	1/4	4,77	2	24.000	18-10625P	F03FR01592
12,7	9	45,5	1/4	6,35	2	24.000	18-10825P	F03FR01595
15,88	11	48	1/4	7,94	2	24.000	18-11025P	F03FR01598
19,05	11	48	1/4	9,53	2	24.000	18-11225P	F03FR01601
6,35	12,7	61	1/2	3,18	2	24.000	18-11450P	F03FR01603
12,7	31,7	72,7	1/2	6,35	2	24.000	18-11650P	F03FR01605
19	31,7	73	1/2	9,5	2	24.000	18-12250P	F03FR01607

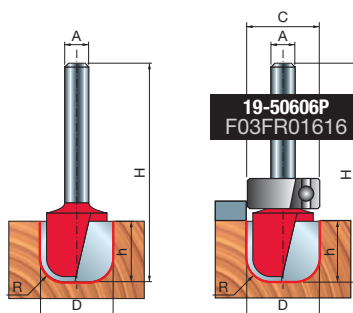
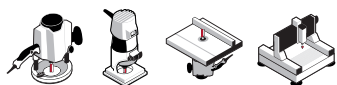
- Solid Carbide Bits



Bits with ball bearing (not suitable for CNC machines)

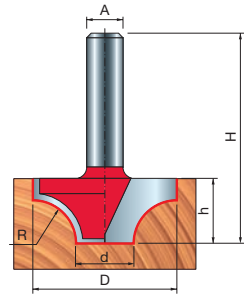
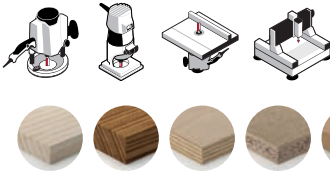
D	h	H	A	R	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
15,88	11	59,5	6	8	15,8	2	24.000	18-51006P	F03FR01609
19,05	11,1	59,5	6	9,5	19	2	24.000	18-51206P	F03FR01611
15,88	11	59,5	8	8	15,8	2	24.000	18-51008P	F03FR01610
19,05	11	59,5	8	9,5	19,05	2	24.000	18-51208P	F03FR01612

Wood bowl bits
19- 99-



D	h	H	A	R	C	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
19	15,9	64,1	6	6,35	19	2	24.000	19-50606P	F03FR01616
19,05	15,9	47,5	6	6,35	-	2	24.000	19-10606P	F03FR01613
19,05	15,9	47,5	8	6,35	-	2	24.000	19-10608P	F03FR01614
19,05	15,9	67	12	6,35	-	2	24.000	19-12612P	F03FR01615
31,75	15,8	53	12	6,35	-	2	18.000	99-02612P	F03FR02420

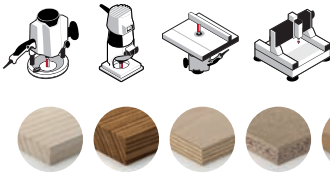
Ovolo bits 39-



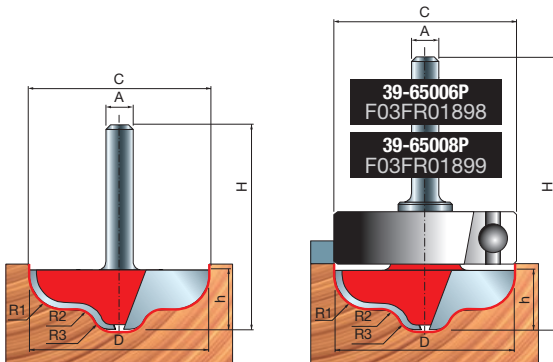
D	h	H	A	R	d	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm		1/min.		
12,7	8	40	6	3,2	6,35	2	24.000	39-20206P	F03FR01871
24,7	12,7	44,7	8	6	12,7	2	24.000	39-20908P	F03FR01873
31,75	14,3	46,3	8	9,53	12,7	2	18.000	39-20808P	F03FR01872
63,5	33,3	71,3	12	25,4	12,7	2	12.000	39-23812P*	F03FR01874

* Not suitable for hand-held machines.

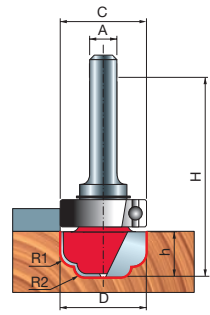
Double cove and bead groove bits 39-



D	h	H	A	C	R1	R2	R3	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm	mm		1/min.		
39,6	13	45	6	-	7,9	4,2	3,4	2	16.000	39-60006P	F03FR01896
39,6	13	60,1	6	39,6	7,9	4,2	3,4	2	16.000	39-65006P	F03FR01898
39,6	13	45	8	-	7,9	4,2	3,4	2	16.000	39-60008P	F03FR01897
39,6	13	60,1	8	39,6	7,9	4,2	3,4	2	16.000	39-65008P	F03FR01899

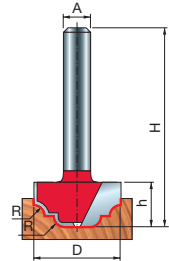
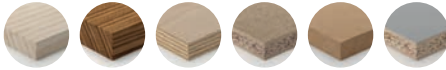
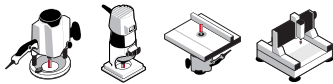


Top bearing double cove groove bit 39-



D	h	H	A	C	R1	R2	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	mm	mm	mm		1/min.		
19	9,6	53	6	19	3,2	2,4	2	24.000	39-51206P	F03FR01887

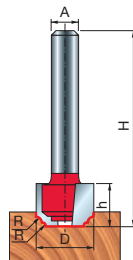
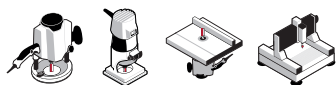
Cove and bead groove bits 39-



D	h	H	A	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	1/min.			
19,05	9,8	41,8	6		2,38	2	24.000	39-10006P	F03FR01856
25,4	12,7	44,7	6		3,18	2	24.000	39-10206P	F03FR01860
19,05	9,8	41,8	8		2,38	2	24.000	39-10008P	F03FR01857
19	12,7	44,7	8		4	2	24.000	39-10108P	F03FR01859
25,4	12,7	44,7	8		3,18	2	24.000	39-10208P	F03FR01861
31,75	12,7	44,7	8		4	2	18.000	39-11408P	F03FR01863
31,75	12,7	50,7	12		4	2	18.000	39-11412P	F03FR01864
19,05	9,8	41,8		1/4	2,38	2	24.000	39-10025P	F03FR01858
25,4	12,7	44,7		1/4	3,18	2	24.000	39-10225P	F03FR01862

Classical beading groove bits

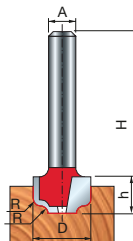
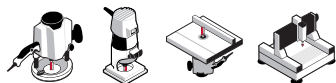
39-



D	h	H	A	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	1/min.		
12,7	9,5	41,2	6	1,2	2	24.000	39-30206P	F03FR01878
15,88	9,5	41,2	6	2,38	2	24.000	39-30406P	F03FR01881
22,22	12	43,7	6	3,18	2	24.000	39-30606P	F03FR01884
12,7	9,5	41,2	8	1,2	2	24.000	39-30208P	F03FR01879
15,88	9,5	41,2	8	2,38	2	24.000	39-30408P	F03FR01882
22,22	12	43,7	8	3,2	2	24.000	39-30608P	F03FR01885
12,7	9,5	41,2	1/4	1,2	2	24.000	39-30225P	F03FR01880
15,88	9,5	41,2	1/4	2,38	2	24.000	39-30425P	F03FR01883
22,22	12	43,7	1/4	3,18	2	24.000	39-30625P	F03FR01886

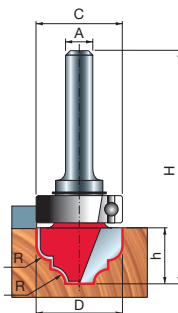
Ogee groove bits

39-



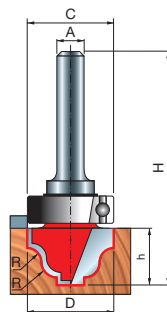
D	h	H	A	R	Z	Max RPM	Freud Code	Art. No.
mm	mm	mm	mm	inch	mm	1/min.		
12,7	8	40	6	1,59	2	24.000	39-15206P	F03FR01865
19,05	12,7	44,7	6	6,35	2	24.000	39-24006P	F03FR01875
22,23	10,36	42,4	6	3,18	2	24.000	39-15406P	F03FR01868
12,7	8	40	8	1,6	2	24.000	39-15208P	F03FR01866
19,05	12,7	44,7	8	6,4	2	24.000	39-24008P	F03FR01876
22,23	10,36	42,4	8	3,2	2	24.000	39-15408P	F03FR01869
19,05	12,7	50,7	12	6,4	2	24.000	39-24012P	F03FR01877
12,7	8	40	1/4	1,59	2	24.000	39-15225P	F03FR01867
22,23	10,4	42,4	1/4	3,18	2	24.000	39-15425P	F03FR01870

Top bearing cove and bead groove bits 39-



D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
19	12,7	55,5	6		19	3,18	2	24.000	39-53206P	F03FR01892
28	14	58,1	8		28	3,18	2	18.000	39-53808P	F03FR01894
28	14	64,1	12		28	3,18	2	18.000	39-53812P	F03FR01895
19	12,7	55,5		1/4	19	3,18	2	24.000	39-53225P	F03FR01893

Top bearing fillet ogee groove bits 39-



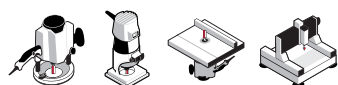
D	h	H	A	C	R	Z	Max RPM	Freud Code	Art. No.	
mm	mm	mm	mm	inch	mm	mm	1/min.			
19	12,5	55,5	6		19	3,18	2	24.000	39-52206P	F03FR01888
28	14,4	58,1	8		28	4	2	18.000	39-52808P	F03FR01890
28	14,4	64,1	12		28	4	2	18.000	39-52812P	F03FR01891
19	12,5	55,5		1/4	19	3,18	2	24.000	39-52225P	F03FR01889



MIXED SETS

Mixed sets

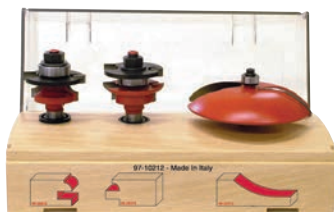
88- 90- 91- 92-



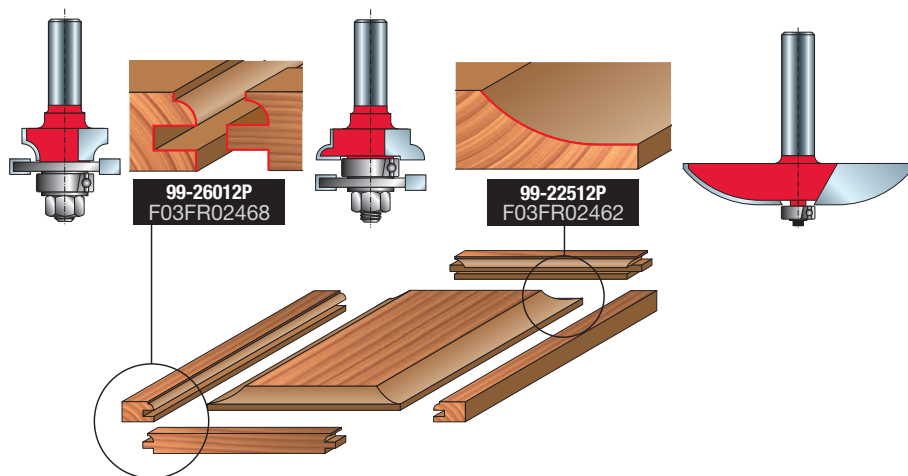
	A	Freud Code	Art. No.
	mm		
Basic 4 router bit set	6	88-10606P	F03FR02255
Starter 6 router bit set	8	91-10408P	F03FR02293
Starter 6 router bit set	12	91-10412P	F03FR02294
Intermediate 9 router bit set	6	88-10206P	F03FR02250
Super 13 router bit set	8	91-10008P	F03FR02275
Super 13 router bit set	12	91-10012P	F03FR02277
Advanced 15 router bit set	6	90-10006P	F03FR02256
Professional 26 router bit set	6	92-10006P	F03FR02308

Cabinet door set 3 router bits

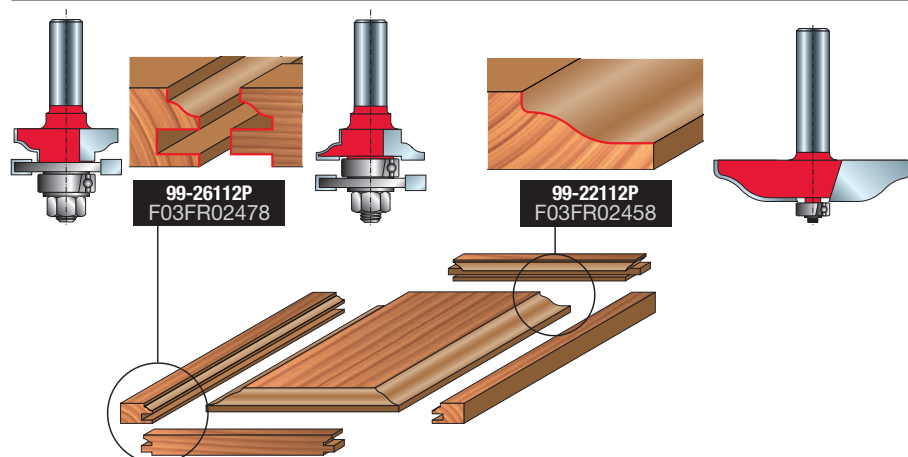
97-



	A	Freud Code	Art. No.
	mm		
Raised panel bit + Matched profile and scribe bits	12	97-10212P	F03FR02382

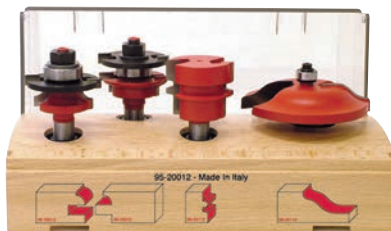


	A	Freud Code	Art. No.
	mm		
Raised panel bit + Matched profile and scribe bits	12	97-10412P	F03FR02396

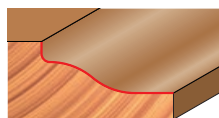
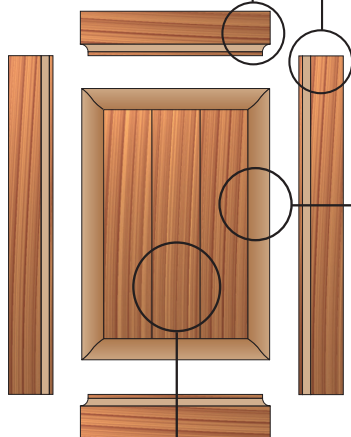


Cabinet door set 4 router bits

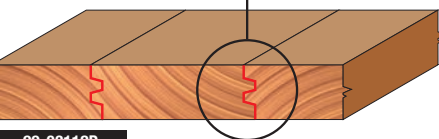
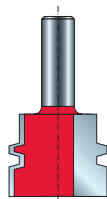
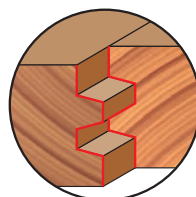
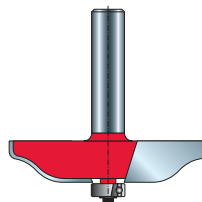
95-



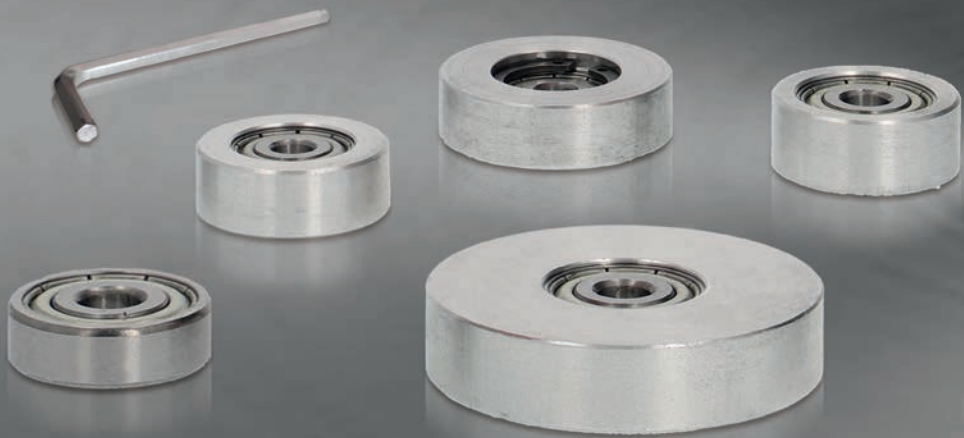
	A	Freud Code	Art. No.
	mm		
Raised panel bit + Matched profile and scribe bits + Reversible glue joint bit	12	95-20012P	F03FR02368



99-22112P
F03FR02458

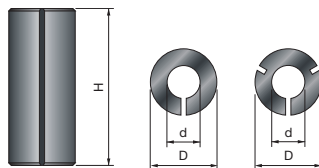


99-03112P
F03FR02422



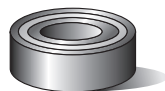
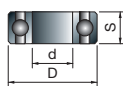
ACCESSORIES

Reducing bushes 3105M



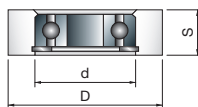
D	H	d	Freud Code	Art. No.
mm	mm	mm		
8	25	6	3105MUY250	F03FA10588
8	25	6,35	3105MVX250	F03FA10587
9,5	25	6	3105MUY250	F03FA10586
9,5	25	6,35	3105MUX250	F03FA10585
9,5	25	8	3105MUV250	F03FA10584
10	25	8	3105MTV250	F03FA10582
12	25	6	3105MSY250	F03FA10581
12	25	8	3105MSV250	F03FA10580
12	25	10	3105MST250	F03FA10579
12,7	25	6	3105MRY250	F03FA10578
12,7	25	6,35	3105MRX250	F03FA10577
12,7	25	8	3105MRV250	F03FA10576
12,7	25	9,53	3105MRU250	F03FA10575
16	25	13	3105MOQ250	F03FA10574

Ball bearings 3102M



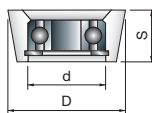
D	S	d	Freud Code	Art. No.
mm	mm	mm		
9,53	3,2	4,76	3102M AA9	F03F010006
12	4	6,05	3102M BB9	F03FA10568
12,7	4,98	4,76	3102M AB9	F03F010007
13	5	4	3102M CD9	F03FA14096
13	5	6	3102M AP9	F03FA10558
14	4	8,05	3102M BC9	F03FA10569
15	5	6	3102M AQ9	F03FA10559
15,88	4,98	4,76	3102M AJ9	F03F010014
16	5	5	3102M CC9	F03FA14095
16	5	8	3102M AS9	F03FA10561
19	6	6	3102M CA9	F03FA14097
19	7	10	3102M AG9	F03F010012
19,05	3,97	12,7	3102M CB9	F03FA14098
19,05	6,35	12,7	3102M AV9	F03F012286
22	7	8	3102M AC9	F03F010008
28	8	12	3102M AH9	F03F010013
32	9	15	3102M AN9	F03F010016
35	11	15	3102M AI9	F03F012285

Sleeved bearings RB62M



D	S	d	Freud Code	Art. No.
mm	mm	mm		
19,05	8	4,8	RB62M 1509	F03F011422
22,22	8	4,8	RB62M 1529	F03F011423
26	10	8	RB62M 1249	F03F011417
28,58	8	4,8	RB62M 1549	F03F011424
30	10	8	RB62M 1289	F03F011418
34	10	8	RB62ME DA9	F03FR01146
34,92	8	4,8	RB62M 1569	F03F011425
39,6	11,2	12	RB62ME FB9	F03FR01147

Sleeved bearings with angle 2103MC



D	S	d	α	Freud Code	Art. No.
mm	mm	mm			
19,05	6,35	4,8	10°	3103MC HB9	F03F010019
22,2	9	12,7	15°	3103MC HC9	F03FR01724

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freud S.p.A.
Società Unipersonale
Via Remigio Solari, 7
33050 Pavia di Udine (UD) IT

www.freudtools.com



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