



# ROUTER BITS

PATIENCE AND NICHOLSON (NZ) LTD





# ROUTER BIT RANGE

## EVACUT Router Bits

Patience & Nicholson (NZ) Ltd is well known for our range of high quality drill bits and cutting tools. In keeping with the tradition of offering high quality value for money cutting tools Patience & Nicholson are now proud to introduce the all new range of EVACUT Routers bits.

This comprehensive range of routers bits has been formulated specifically for the local market and includes a wide variety of bits for almost any application. EVACUT routers have been manufactured overseas from high quality tungsten carbide of a grade which has been specifically formulated to withstand the wide ranging performance demands of a diverse range of wood substrates including MDF through to hard native timbers. Evacut routers feature an Anti Kick back design and high quality brazing of the tungsten carbide tips to ensure safety and reliability at speeds up to 25,000 rpm. Extensive testing has been carried out in Europe and the United States in to meet features and specifications in accordance with DIN EN847-1 and German BG-TEST 202-001 and 202-002. Each EVACUT router is mounted and packaged in a hard wearing clear plastic box that ensures safe storage and ease of identification.

Whether you are a professional or DIY user EVACUT routers deliver quality, safety and reliability at the right price. Please see your local distributor for further details today.



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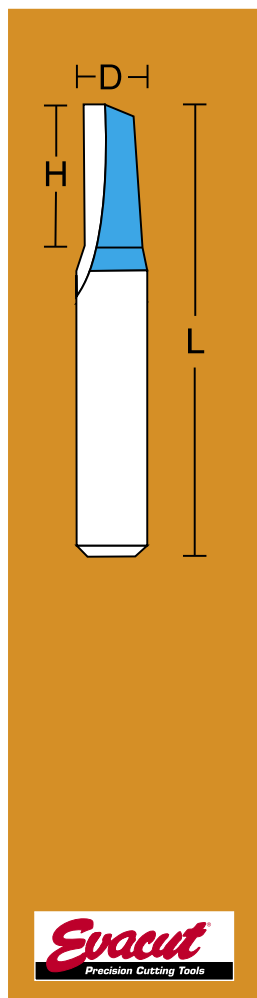
**17**

**Vee Grooving Cutters**



## Straight router bits Two Flute (6.4mm dia. x 25mm long shank)

01



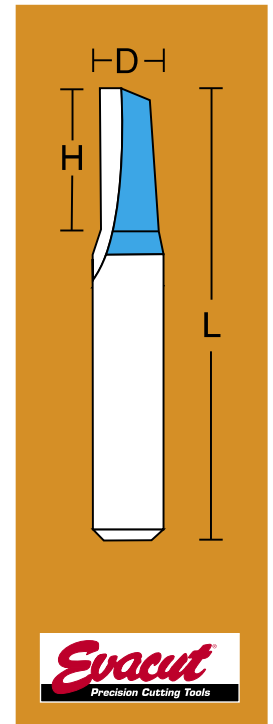
EQUIVALENT P&N PART NO	DESCRIPTION	(D) DIAMETER MM	(H) HEIGHT MM	RADIUS METRIC MM	ANGLE	(L) LENGTH MM
RSR364	3mm dia. x 10mm cutting length (Single flute)	3	9.5			44
RSR464	4mm dia. x 10mm cutting length(Single Flute)	4	9.5			44
RSR564	5mm dia. x 10mm cutting length(single flute)	5	12.7			44
RSR664	6mm dia. x 16mm cutting length	6	16			49
RSR6464	6.4mm dia. x 16mm cutting length	6.4	16			49
RS864	8mm dia. x 19mm cutting length	8	19			54
RS964	9mm dia. x 19mm cutting length	9	19			54
RS9564	9.5mm dia. x 19mm cutting length	9.5	19			54
RS1064	10mm dia. x 19mm cutting length	10	19			54
RS1264	12mm dia. x 19mm cutting length	12	19			54
RS12764	12.7mm dia. x 19mm cutting length	12.7	19			54
RS1364	13mm dia. x 19mm cutting length	13	19			54
RS1664	16mm dia. x 19mm cutting length	16	19			54
RS1864	18mm dia. x 19mm cutting length	18	19			54
RS1964	19mm dia. x 19mm cutting length	19	19			54
RS2064	20mm dia. x 19mm cutting length	20	19			54
RS2564	25mm dia. x 19mm cutting length	25	19			54



## 01

### Straight router bits T2 Flute (12.7mm dia. x 40mm long shank)

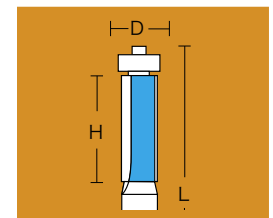
EQUIVALENT P&N PART NO	DESCRIPTION	(D) DIAMETER MM	(H) HEIGHT MM	RADIUS METRIC MM	ANGLE	(L) LENGTH MM
RS6127	6mm dia. x 16mm cutting length	6	16			49
RS64127	6.4mm dia. x 16mm cutting length	6.4	16			59
RS8127	8mm dia. x 19mm cutting length	8	19			63
RS9127	9mm dia. x 19mm cutting length	9	19			63
RS95127	9.5mm dia. x 19mm cutting length	9.5	19			63
RS10127	10mm dia. x 19mm cutting length	10	19			63
RS12127	12mm dia. x 32mm cutting length	12	32			76
RS127127	12.7mm dia. x 32mm cutting length	12.7	32			76
RS13127	13mm dia. x 32mm cutting length	13	32			76
RS16127	16mm dia. x 32mm cutting length	16	32			76
RS18127	18mm dia. x 32mm cutting length	18	32			76
RS19127	19mm dia. x 32mm cutting length	19	32			76
RS20127	20mm dia. x 32mm cutting length	20	32			76
RS22127	22mm dia. x 32mm cutting length	22	32			76
RS25127	25mm dia. x 32mm cutting length	25	32			76



## 02

### Flush trim panel bits (6.4mm dia. shank)

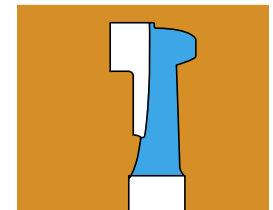
RFT1964	9mm bearing dia. (B9) X 19mm cutter length x 25mm shank length	9.5	25			70
RFT2064	13mm bearing dia. (B13) X 20mm cutter length x 30mm shank length	12.7	25			79



## 03

### Key hole bit (6.4mm dia. shank)

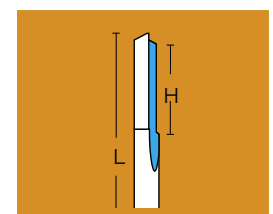
RKH9564	Keyhole bit (6.4mm dia. X 35mm long shank) 9.5mm dia. X 9.5mm cutter height x 5mm groove	9.5	11			48
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## 04

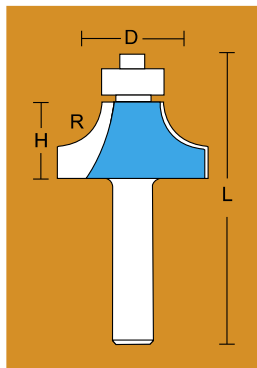
### Solid tungsten carbide (40mm overall length 6.4mm dia. shank)

RSTC364	3.0mm dia. x 9.5mm cutting length	3	9.5			39
RSTC464	4.0mm dia. x 9.5mm cutting length	4	9.5			39
RSTC564	5.0mm dia. x 9.5mm cutting length	5	9.5			39
RSTC664	6.0mm dia. x 16mm cutting length	6	16			39



## Rounding over bits Ball bearing guide 2 flute 13mm bearing (6.4 dia. x 25mm log shank)

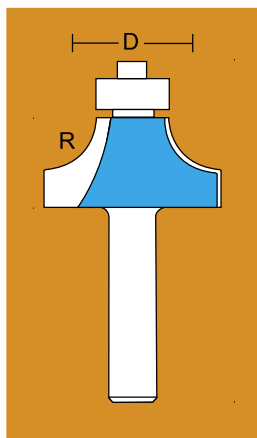
05



EQUIVALENT P&N PART NO	DESCRIPTION	(D) DIAMETER MM	(H) HEIGHT MM	RADIUS METRIC MM	ANGLE	(L) LENGTH MM
RR264	2mm radius x 10mm cutter height(5/64")	17	9	2		52
RR364	3mm radius x 10mm cutter height(1/8")	19	10	3		54
RR564	5mm radius x 11mm cutter height(3/16")	22	11	5		54
RR864	8mm radius x 16mm cutter height(5/16")	28.5	16	8		59
RR664	6mm radius x 12mm cutter height(R1/4")	25	13.5	6		57
RR1064	10mm radius x 17mm cutter height(R3/8")	32	17	10		62
RR1364	13mm radius x 21mm cutter height(R1/2")	38	19	13		64

## Rounding over bits Ball bearing guide 2 flute (12.7mm dia. x 40mm long shank)

05

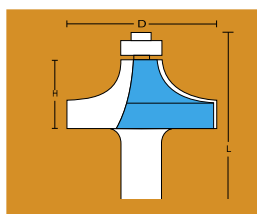


RR06127	6mm radius x 12mm cutter height	25	13.5	2		67
RR08127	8mm radius x 16mm cutter height	28.5	16	8		68
RR10127	10mm radius x 17mm cutter height	32	17	10		71
RR13127	13mm radius x 20mm cutter height	38	19	13		73
RR19127	19mm radius x 26mm cutter height	51	25	19		79
RR25127	25mm radius x 33mm cutter height	64	32	25		86



## Isometric rounding over bit 2 flute (12.7mm dia. x 40mm long shank with bearing)

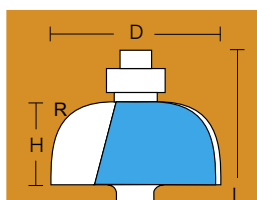
06



RIR3064	30mm radius x 24mm cutter height x 52mm cutter dia.	52	24			78
RIR3564	35mm radius x 24mm cutter height x 61mm cutter dia.	61	24			78

## Ball nose bits (single cover bits) 2 flute ball bearing guide (6.4 dia. x 25mm long shank)

07

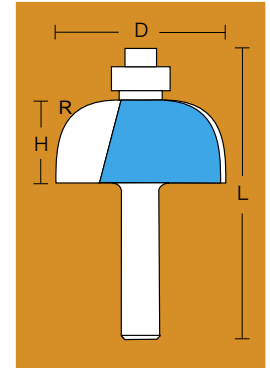


RBN0664	6mm radius x 12mm cutter height x 25mm cutter dia.	25	13	6		56
RBN0864	8mm radius x 14mm cutter height x 29mm cutter dia.	29	13	8		56
RBN1064	10mm radius x 16mm cutter height x 33mm cutter dia.	32	14	10		57

## 07

### Ball nose bits 2 Flute Ball bearing guide (12.7mm dia. x 40mm long shank)

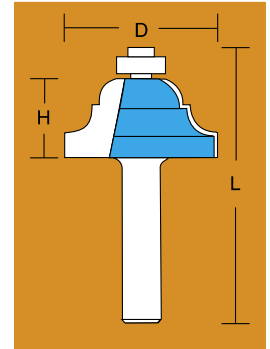
EQUIVALENT P&N PART NO	DESCRIPTION	(D) DIAMETER MM	(H) HEIGHT MM	RADIUS METRIC MM	ANGLE	(L) LENGTH MM
RBN10127	10mm radius x 16mm cutter height x 33mm cutter dia.	32	14	10		68
RBN13127	13mm radius x 16mm cutter height x 39mm cutter dia.	38	16	13		70



## 08

### Classic Coving bits 2 Flute Ball bearing guide (6.4mm dia. x 25mm long shank)

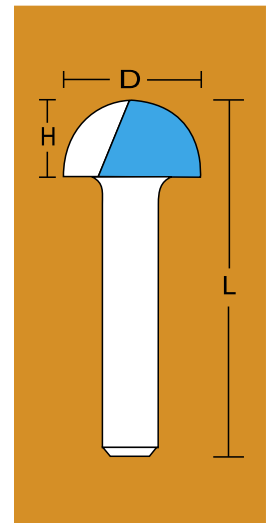
RCLC2764	27mm dia. X 13mm cutter height	29	13.5	6		57
RCLC3264	32mm dia. X 16mm cutter height	32	15	8		60
RCLC3764	Classic coving bit (12.7mm dia. X 40mm long shank) 37mm cutter dia. X 19mm cutter height	35	17	9.5		70
RTC45127	Triple cove bit 2 flute ball bearing guide (12.7mm dia. X 40mm long shank) 45mm dia. X 22mm cutter height	45	22			75
RDC30127	Double cove bit 2 flute ball bearing guide (12.7mm dia. X 40mm long shank) 30mm dia. X 17mm cutting length	32	16	5		71



## 09

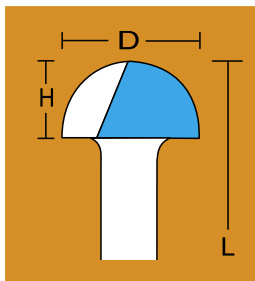
### Core box bits (6.4mm dia. x 25mm long shank)

RCB9564	9.5mm dia. x 12mm cutting length	9.5	9.5	5		44
RCB12764	12.7mm dia. x 12mm cutting length	12.7	9.5	6		44
RCB1664	16mm dia. x 12mm cutting length	16	13	8		48
RCB1964	19mm dia. x 12mm cutting length	19	13	9.5		48



## Core box bits (12.7mm dia. x 40mm long shank)

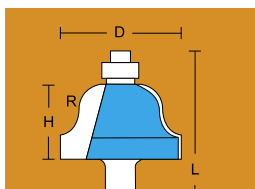
09



EQUIVALENT P&N PART NO	DESCRIPTION	(D) DIAMETER MM	(H) HEIGHT MM	RADIUS METRIC MM	ANGLE	(L) LENGTH MM
RCB16127	16mm dia. x 32mm cutting length	16	13	8		57
RCB19127	19mm dia. x 32mm cutting length	19	13	9.5		57
RCB22127	22.2mm dia. x 32mm cutting length	22.2	32	11		76

## Roman ogee bits ball bearing guide (6.4mm dia. x 25mm long shank)

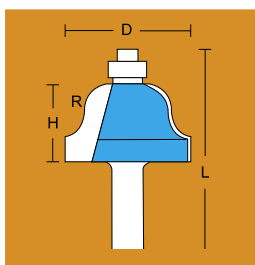
10



RR02964	29mm dia. X 16mm cutter height	29	13	4		56
RR03464	34mm dia. X 19mm cutter height	32	16	5		59

## Roman ogee bits ball bearing guide (12.7mm dia. x 40mm long shank)

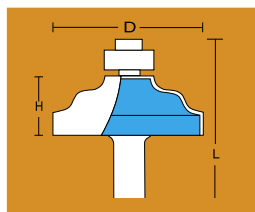
10



RR029127	29mm dia. X 16mm cutter height	29	13	4		68
RR033127	33mm dia. X 19mm cutter height(R5)	33	16	5		71
RR037127	Roman Ogee bit shallow profile (6.4mm dia. X 25mm long shank) 37mm dia. X 17mm cutter height	38	19	6		

## Ogee bits ball bearing guide 2 Flute (6.4mm dia. x 25mm long shank)

11



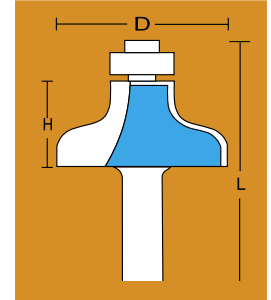
ROG3064	30mm dia. X 17mm cutter height	32	13	5		56
ROG3764	37mm dia. X 20mm cutter height(R6)	38	16	6		59



# 11

## Ogee bits ball bearing guide 2 Flute (12.7mm dia. x 40mm long shank)

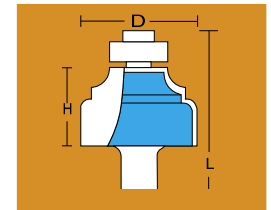
EQUIVALENT P&N PART NO	DESCRIPTION	(D) DIAMETER MM	(H) HEIGHT MM	RADIUS METRIC MM	ANGLE	(L) LENGTH MM
ROG30127	30mm dia. X 17mm cutter height	32	13	5		67
ROG37127	37mm dia. X 20mm cutter height	38	16	6		52



# 12

## Classic reverse profile bit (6.4mm dia. x 25mm Long Shank)

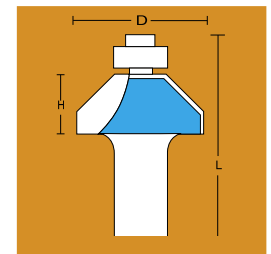
RCLRP2064	20mm dia. X 10mm cutter height	19	9.5	1.6		54
RCLRP2564	25mm dia. X 17mm cutter height	25	12	3		56
RCL2564	Classic bit (6.4mm dia. X 25mm long shank) 25mm dia. 10mm cutter height	29	12	3		56



# 13

## Chamfering bits (6.4mm dia. x 25mm long shank)

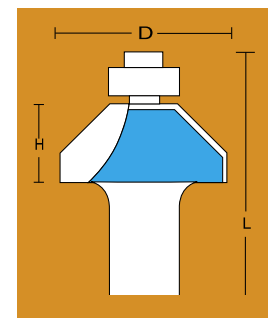
RCF451564	15mm bevel length x 16mm cutter height x 45 degree					
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# 13

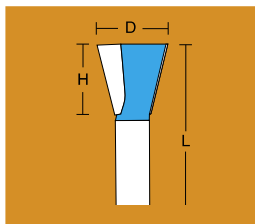
## Chamfering bits (12.7mm dia. x 40mm long shank)

RCF4515127	15mm bevel length x 16mm cutter height x 45 degree	45	16		45°	75
RCF4525127	25mm bevel length x 30mm cutter height x 45 degree	63.5	25		45°	84
RCF3064	Chamfering bits (6.4mm dia. X 25mm long shank) 25mm dia. 16mm cutter height x 30 degree angle	40	22		30°	65



## Dovetail bit (6.4mm dia. shank)

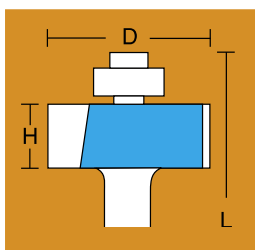
14



EQUIVALENT P&N PART NO	DESCRIPTION	(D) DIAMETER MM	(H) HEIGHT MM	RADIUS METRIC MM	ANGLE	(L) LENGTH MM
RDT141264	Dove tail bit 1/2" cutter dia. X 6.4mm shank dia. X 14 degrees. For Stanley, Liegh machines.	13	13		14°	51

## Rebating bits (6.4mm dia. x 25mm long shank)

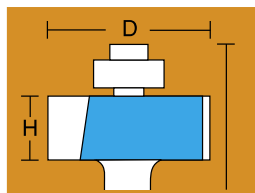
15



RRE6464	6mm standard rebate x 4mm rebate with 13mm bearing x 13mm cutter height	25	13			57
RRE101264	10mm standard rebate x 12mm rebate with 9mm bearing x 13mm cutter height	29	13			57

## Rebating bits (12.7mm dia. x 40mm long shank)

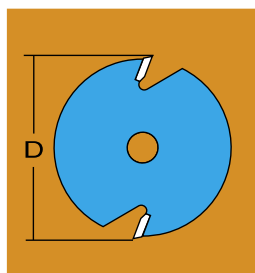
15



RRE1213127	10mm standard rebate x 12mm rebate with 13mm bearing x 13mm cutter height	32	13			67
RRE1315127	13mm standard rebate x 15mm rebate with 13mm bearing x 16mm cutter height	38	13			67

## Slot cutters 2 Flute (6.4mm bore, carbide tipped cutters)

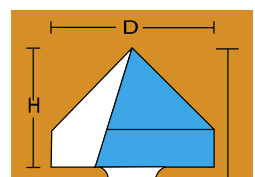
16



RSL1564	1.5mm cutter width. X 38mm cutter dia.	40	1.6			
RSL264	2.0mm cutter width. X 38mm cutter dia	40	2			
RSL2564	2.5mm cutter width. X 38mm cutter dia	40	2.5			
RSL364	3.0mm cutter width. X 38mm cutter dia	40	3			
RSL464	4.0mm cutter width. X 38mm cutter dia	40	4			
RSL564	5.0mm cutter width. X 38mm cutter dia	40	5			
RSL664	6.0mm cutter width. X 38mm cutter dia	40	6			

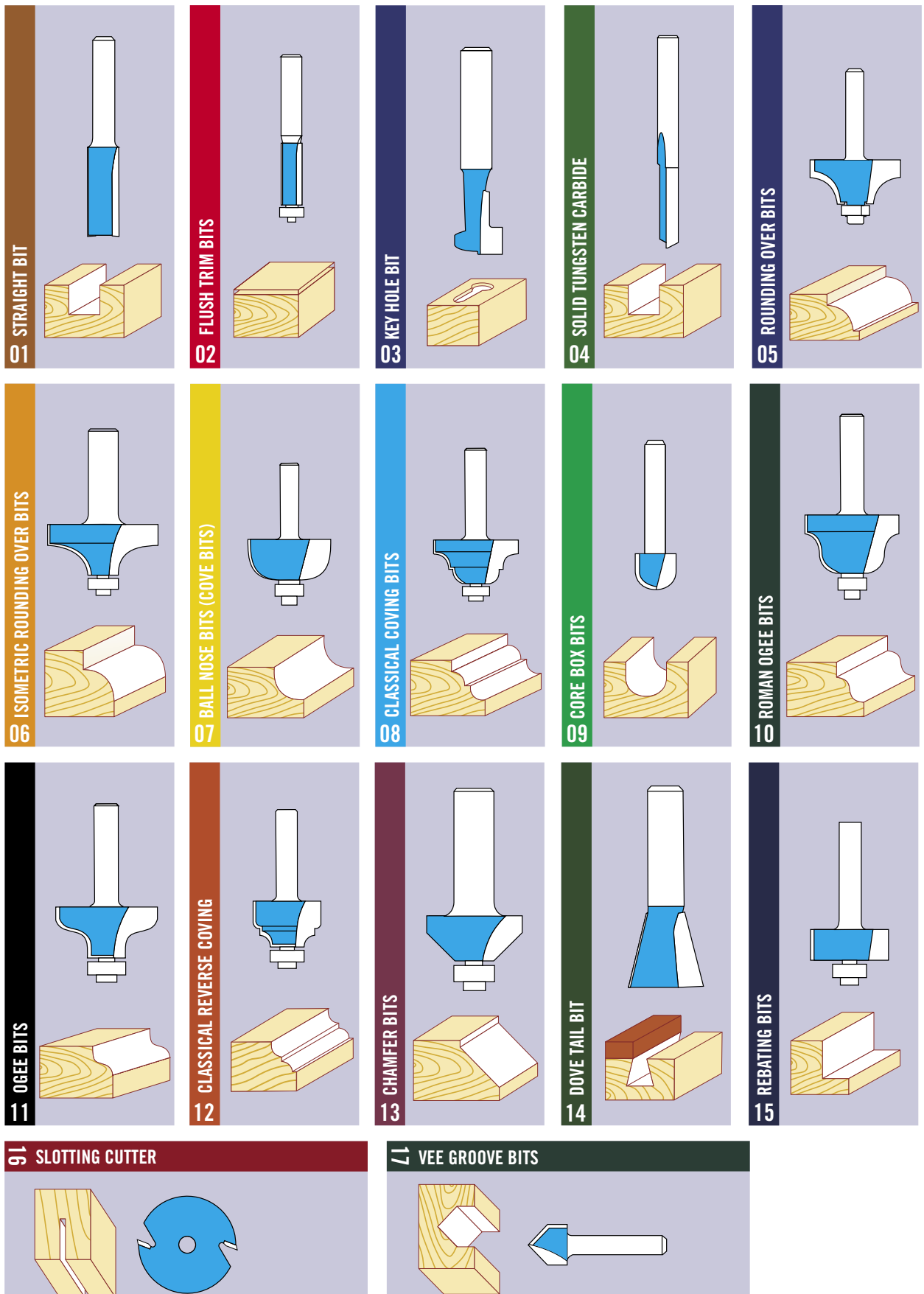
## Vee grooving cutters (6.4mm dia. x 25mm long shank)

17



RVG12764	12.7mm dia. X 9.5mm bevel length	13	13			48
RVG3264	32mm dia. X 22mm bevel length	32	20			52
RVG2564	25mm dia. X 25mm bevel length	25	25			57
RVG40127	Vee Grooving Cutter (12.7mm dia. X 40mm long shank) 40mm dia. X 32mm bevel length	40				75

# ROUTER CUTTER PROFILE GUIDE





PATIENCE & NICHOLSON (NZ) Ltd [www.pandn.co.nz](http://www.pandn.co.nz)