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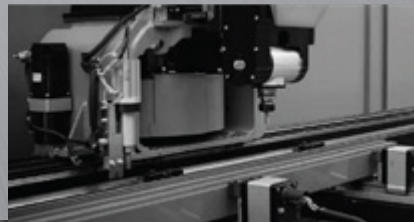
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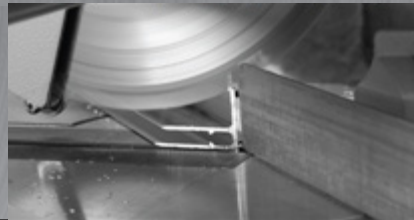
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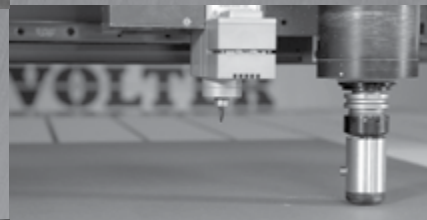
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# HANDHELD ROUTER BITS

# Solid Tungsten Cutters

## Straight Flute 1/4" Shank - Single Flute

- Solid Tungsten.
- For all general purpose routing and grooving.
- Improved chip clearance.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
1.6	4.8	38.1	6.35	20-00300
2	4.8	38.1	6.35	20-00304
2.4	4.8	38.1	6.35	20-00308
3	6.35	38.1	6.35	20-00312
3.2	7.9	38.1	6.35	20-00316
3.2	12.7	57.1	6.35	20-00348
4	9.5	38.1	6.35	20-00320
4	11.1	38.1	6.35	20-00324
4	16	57.1	6.35	20-00352
4.8	12.7	38.1	6.35	20-00328
4.8	19	57.1	6.35	20-00356
5	12.7	38.1	6.35	20-00332
5	19	57.1	6.35	20-00360
5.5	12.7	38.1	6.35	20-00336
6	16	38.1	6.35	20-00340
6	25.4	57.1	6.35	20-00364
6.35	16	38.1	6.35	20-00344
6.35	25.4	57.1	6.35	20-00368

## Straight Flute 1/4" Shank - 2 Flute

- Solid Tungsten.
- For all general purpose routing, grooving and rebating.
- Longer life in routing abrasive materials.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
2.4	12.7	45	6.35	20-00450
3.2	12.7	45	6.35	20-00454
4	12.7	45	6.35	20-00458
4.8	16	48	6.35	20-00462
6	16	38	6.35	20-00466
6	28.6	57	6.35	20-00470
6.35	16	38	6.35	20-00474
6.35	28.6	57	6.35	20-00478
6.35	28.6	63.5	6.35	20-00482

# Tungsten Tipped Cutters

## Straight Flute 1/4" Shank - 2 Flute

- For all general purpose routing, grooving and rebating.
- Longer life in routing abrasive materials.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	8	35	6.35	20-00486
4	8	35	6.35	20-00490
5	8	35	6.35	20-00494
5.5	16	41	6.35	20-00498
5.5	22	54	6.35	20-00502
5.5	28	60	6.35	20-00506
5.8	16	41	6.35	20-00510
5.8	22	54	6.35	20-00514
6	16	41	6.35	20-00518
6	22	54	6.35	20-00522
6.4	16	41	6.35	20-00526
6.4	22	54	6.35	20-00530
7	19	44	6.35	20-00534
7.1	19	44.4	6.35	20-00538
7.9	19	44.4	6.35	20-00542
8	19	44.4	6.35	20-00546
8	25.4	50.8	6.35	20-00550
9	19	44.4	6.35	20-00554
9.5	19	44.4	6.35	20-00558
9.5	25.4	50.8	6.35	20-00562
10	19	44.4	6.35	20-00566
10	25.4	50.8	6.35	20-00570
11	19	44.4	6.35	20-00574
11.1	19	44.4	6.35	20-00578
11.1	25.4	57.4	6.35	20-00582
12	19	44.4	6.35	20-00586
12.7	19	44.4	6.35	20-00590
12.7	25.4	50.8	6.35	20-00594
13	19	44.4	6.35	20-00598
13	25.4	50.8	6.35	20-00602
14	19	44.4	6.35	20-00606
14.3	19	44.4	6.35	20-00610
15	19	44.4	6.35	20-00614
15.9	19	44.4	6.35	20-00618
15.9	25	50.8	6.35	20-00622
16	19	44	6.35	20-00626
16	25	50	6.35	20-00630
16.5	19	44	6.35	20-00634
17	19	44	6.35	20-00638
17.5	19	44	6.35	20-00642
18	19	44	6.35	20-00646
18	25	50	6.35	20-00650
18.5	19	44	6.35	20-00654
19	19	44	6.35	20-00658
19	25.4	44	6.35	20-00666
19.5	19	44	6.35	20-00670
20	19	44	6.35	20-00674
20.5	19	44	6.35	20-00678
21	19	44	6.35	20-00682
22	19	44	6.35	20-00686
22.2	19	44	6.35	20-00690
25	19	44	6.35	20-00694
25.4	19	44	6.35	20-00698

### Safety Tip

Always wear hearing and eye protection. Avoid wearing loose clothing and keep clothing clear of cutting area.



# Tungsten Tipped Cutters

## Straight Flute 1/2" Shank - 2 Flute

- For all general purpose routing, grooving and rebating.
- Longer life in routing abrasive materials.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
2.4	12.7	50.8	12.7	20-00700
3.2	12.7	50.8	12.7	20-00704
4	12.7	50.8	12.7	20-00708
4.8	16	54	12.7	20-00712
5	10	50.8	12.7	20-00716
6	16	70	12.7	20-00718
6.35	19	60	12.7	20-00720
6.35	16	70	12.7	20-00724
6.6	19	60	12.7	20-00728
7	19	60	12.7	20-00732
7.9	19	73	12.7	20-00736
7.9	25.4	70	12.7	20-00724
8	19	73	12.7	20-00740
8	25.4	65	12.7	20-00744
9	25.4	70	12.7	20-00748
9.5	19	59	12.7	20-00752
9.5	25	70	12.7	20-00756
9.5	37	78	12.7	20-00760
10	19	60	12.7	20-00764
11.1	25.4	70	12.7	20-00772
12	25.4	70	12.7	20-00776
12	32	72	12.7	20-00780
12.7	25.4	65	12.7	20-00784
12.7	32	70	12.7	20-00792
12.7	38	76	12.7	20-00804
12.7	50.8	90.5	12.7	20-00808
12.7	57	101	12.7	20-00812
12.7	63.5	111	12.7	20-00814
13	32	76	12.7	20-00816
13	50.8	95	12.7	20-00820
13	32	64	12.7	20-00824
14	32	76	12.7	20-00828
14.3	32	76	12.7	20-00832
15	38	82	12.7	20-00836
15.9	25.4	64	12.7	20-00840
15.9	38	82	12.7	20-00844
15.9	50.8	95	12.7	20-00848
16	32	64	12.7	20-00852
16	38	82	12.7	20-00860
16	50.8	95	12.7	20-00868
16.5	38	82	12.7	20-00872
17	38	82	12.7	20-00876
17.5	38	82	12.7	20-00880
18	38	82	12.7	20-00884
18	50.8	95	12.7	20-00888
18	57	97	12.7	20-00892
18.5	38	82	12.7	20-00896
19	32	70	12.7	20-00900
19	38	82	12.7	20-00904
19	50.8	95	12.7	20-00908
19	57	90	12.7	20-00920
19.5	38	82	12.7	20-00924
20	38	82	12.7	20-00928
20.6	38	82	12.7	20-00932

continued on next page

# Tungsten Tipped Cutters

## Straight Flute 1/2" Shank - 2 Flute (continued)



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
22	32	72	12.7	20-00936
22.2	38	82	12.7	20-00940
25	38	82	12.7	20-00944
25.4	38	82	12.7	20-00948
28.6	32	76	12.7	20-00952
30	32	76	12.7	20-00956
31.8	31.8	70	12.7	20-00960
32	31.8	76	12.7	20-00964
34.9	31.8	70	12.7	20-00968
38.1	31.8	70	12.7	20-00972
41.3	31.8	76	12.7	20-00976
44.4	31.8	76	12.7	20-00980
47.6	31.8	76	12.7	20-00984
50.8	31.8	76	12.7	20-00988

## Change header to Straight Flute Plunge Router - 2Flute - 1/2" Shank

- For all general purpose routing, grooving and rebating
- Longer life in routing abrasive materials
- A tungsten carbide blade is fitted into the cutter end for fast drilling.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
19	32	70	12.7	20-00900
19	38	82	12.7	20-00904
19	50.8	95	12.7	20-00908
19	57	90	12.7	20-00920
19.5	38	82	12.7	20-00924
20	38	82	12.7	20-00928
20.6	38	82	12.7	20-00932
22	32	72	12.7	20-00936
22.2	38	82	12.7	20-00940
25.4	38	82	12.7	20-00944
28.6	32	82	12.7	20-00948
30	32	76	12.7	20-00952
31.8	31.8	76	12.7	20-00956
32	31.8	70	12.7	20-00960
38.1	31.8	76	12.7	20-00964
34.9	31.8	70	12.7	20-00968
38.1	31.8	70	12.7	20-00972
41.3	31.8	76	12.7	20-00976
44.4	31.8	76	12.7	20-00980
47.6	31.8	76	12.7	20-00984
50.8	31.8	76	12.7	20-00988



# Tungsten Tipped Cutters

## Flush Trim Router Bit 1/4" Shank - 2 Flute

- For fast, smooth and accurate trimming cuts for laminates and template work.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
6.35	19	51	6.35	20-02200
6.35	25	60	6.35	20-02204
9.5	12.7	45	6.35	20-02208
9.5	25.4	57.4	6.35	20-02212
12.7	12.7	45	6.35	20-02220
12.7	15.9	57.1	6.35	20-02224
12.7	20	50	6.35	20-02228
12.7	25.4	67	6.35	20-02232
12.7	31.80	64	6.35	20-02236
15.9	25.4	67	6.35	20-02240

## Flush Trim Router Bit 1/2" Shank - 2 Flute

- For fast, smooth and accurate trimming cuts for laminates and template work.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
12.7	12.7	50	12.7	20-02270
12.7	25.4	79	12.7	20-02274
12.7	32	72	12.7	20-02278
12.7	38.1	86	12.7	20-02282
12.7	50.8	98	12.7	20-02286
15.9	25.4	79	12.7	20-02290
18	50	90	12.7	20-02294
22	25.4	86	12.7	20-02298
22	38.1	95	12.7	20-02302

# Tungsten Tipped Cutters

## Inverted Flush Trim 1/4" Shank - 2 Flute

- A handy bit for copy work where the template is between the work and the router.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
9.5	25	55	6.35	20-02350
12.7	19	55	6.35	20-02354
12.7	25.4	63	6.35	20-02358
15.9	19	55	6.35	20-02366
15.9	25.4	63	6.35	20-02362
19	19	55	6.35	20-02370
19	25.4	63	6.35	20-02374

## Inverted Flush Trim 1/2" Shank - 2 Flute

- A handy bit for copy work where the template is between the work and the router.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
19	25	92	12.7	20-02380
19	38.1	92	12.7	20-02382
19	50.8	105.6	12.7	20-02384
28.6	30	68	12.7	20-02388
28.6	32	57	12.7	20-02392
28.6	38	89	12.7	20-02396

# Tungsten Tipped Cutters

## Roundover Router Bits 1/4" Shank - 2 Flute

- Rounding over cutter.
- Gives smooth, chatter free cuts



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Radius [mm]	Shank Diameter [mm]	Part #
15.9	7.9	47	1.6	6.35	20-04265
16.7	8.7	47	2	6.35	20-04266
16.7	8.7	45	2*	6.35	20-04340
19	12.7	50.8	3.2	6.35	20-04267
20.6	11.1	50.8	4	6.35	20-04268
22.2	12	50.8	4.8	6.35	20-04269
22.5	12	50.8	5	6.35	20-04270
25.4	12.7	50.8	6.35	6.35	20-04271
28.6	12.7	50.8	7.9	6.35	20-04272
31.8	15.9	57	9.5	6.35	20-04273
38	19	57	12.7	6.35	20-04274

\*Has a 10° lead in to blend into the radius for cupboard doors.

## Roundover Router Bits 1/2" Shank - 2 Flute

- Rounding over cutter.
- Gives smooth, chatter free cuts



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Radius [mm]	Shank Diameter [mm]	Part #
19	12.7	63.5	3.2	12.7	20-04290
22	12.7	63.5	4.8	12.7	20-04294
25.4	12.7	63.5	6.35	12.7	20-04298
28.6	12.7	67	7.9	12.7	20-04302
31.8	15.9	67	9.5	12.7	20-04306
38	19	70	12.7	12.7	20-04310
44.5	22.2	82	15.9	12.7	20-04314
50.8	25.4	82	19	12.7	20-04318
57	27.4	89	22.2	12.7	20-04322
63.5	31.8	92	25.4	12.7	20-04326
70	34.9	93	28.6	12.7	20-04330
73	36	93	30	12.7	20-04334
76.5	37.3	95	31.8	12.7	20-04338

# Tungsten Tipped Cutters

## Tungsten Tipped Beading Router Bit

- Produces a beading groove with 3.2mm wide bottom
- For panel designs in surfaces such as cupboard doors
- Small end diameter is 3.2mm



Cut Diameter	Cut Length	OAL	Radius	Shank [mm]	Part #
9.5	9.5	44.4	3.2	6.3	20-07130
9.5	9.5	57.1	3.2	12.7	20-07131
15.9	12.7	44.4	6.35	6.3	20-07134
15.9	12.7	57.1	6.35	12.7	20-07136

## Tungsten Tipped Fine Point Beading Router Bit

- Produces a beading / radius groove with fine bottom point
- For panel designs in surfaces such as cupboard doors
- Small end diameter 1mm



Cut Diameter	Cut Length	OAL	Radius	Shank Diameter [mm]	Part #
7.4	9.5	44.4	3.2	6.3	20-07138
7.4	9.5	67	3.2	12.7	20-07142
13.7	12.7	44.4	6.35	6.3	20-07146
13.7	12.7	67	6.35	12.7	20-07150

# Tungsten Tipped Cutters

## Tungsten Laser Point Engraving Router Bit

- 3 flutes for producing delicate precision grooves.
- Perfectly balanced to give you superior accuracy with minimal risk of burning

Diameter (mm)	Cut Length	Length (mm)	Shank Diameter (mm)	Part #
6.35	9.92	50.8	6.35	20-07158
12.7	11.11	50.8	12.7	20-07164



## “V” Groove Router Bits 1/4” Shank – 2 Flute

- For V grooving, bevelling and lettering.

Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Degree Incl [°]	Shank Diameter (mm)	Part #
6.4	15.6	57.2	22.5	6.4	20-04043
6.4	12.3	57.2	30	6.4	20-04044
25.4	24.7	57.2	60	6.4	20-04045
9.5	6.4	45	90	6.4	20-04046
12.7	7.5	45	90	6.4	20-04047
16	10.6	48	90	6.4	20-04048
32	19.5	53	90	6.4	20-04049
12.7	12	45	60	6.4	20-04050
25.4	9	45	120	6.4	20-04051
25.4	5	40	150	6.4	20-04052



# Tungsten Tipped Cutters

## “V” Groove Router Bits 1/2” Shank – 2 Flute

- For V grooving, bevelling and lettering.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Degree Incl [°]	Shank Diameter [mm]	Part #
12.7	30.6	76.2	22.5	12.7	20-04061
12.7	22.8	76.2	30	12.7	20-04062
25.4	22.4	70	60	12.7	20-04063
9.5	5.5	51	90	12.7	20-04064
15.9	9.0	54	90	12.7	20-04066
19	10.6	56	90	12.7	20-04067
22.2	13	58	90	12.7	20-04068
25.4	15	58	90	12.7	20-04069
31.3	15.9	63.5	90	12.7	20-04070
39.7	20	86	90	12.7	20-04071
50.8	25.4	76	90	12.7	20-04072
25.4	7.5	55.9	120	12.7	20-04075
50.8	14.7	73.8	120	12.7	20-04076
25.4	3.4	53.4	150	12.7	20-04077
50.8	6.8	65.8	150	12.7	20-04078

## Safety Tip

Ensure that collets are free from wear. Worn collets affect the router's ability to grip the shank properly, resulting in poor finish, excessive noise and shaft breakage.



# Tungsten Tipped Cutters

## “V” Veining Bits 1/4” Shank - Single Flute

- For 45° decorative grooving and scoring.



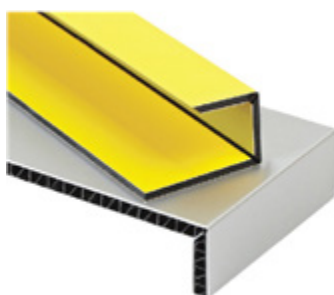
Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
2.4	6.35	38.1	6.35	20-04095
3.2	6.35	38.1	6.35	20-04096
3	10	35	6.35	20-04097
4.8	6.35	38.1	6.35	20-04098
5	12.7	37.7	6.35	20-04099
6.35	9.5	38.1	6.35	20-04100
6.4	16	41	6.35	20-04101

## ACM Folding Cutter 2 Flute

- For creating fold corners in aluminium composite laminate



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Degree Incl [°]	Shank Diameter [mm]	Part #
18	7	42	90	6.3	20-04080
16	16	56	110	12.7	20-04082
16	16	56	135	12.7	20-04083



# Tungsten Tipped Cutters

## Core Box Bits 1/4" Shank – 2 Flute

- For creating rounded grooves.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	6.35	32	6.35	20-04110
4	10	32	6.35	20-04112
4.8	12.7	38	6.35	20-04114
5.5	12.7	38	6.35	20-04116
6.35	16	38	6.35	20-04118
8	7	38	6.35	20-04120
9.5	6.35	31.8	6.35	20-04122
9.5	12.7	38	6.35	20-04124
12.7	12.7	38	6.35	20-04126
15.9	12.7	38	6.35	20-04128
19	12.7	38	6.35	20-04130
20.5	12.7	38	6.35	20-04132

## Core Box Bits 1/2" Shank – 2 Flute

- For creating rounded grooves.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
6.35	15.9	58	12.7	20-04180
8	19	60	12.7	20-04184
9.5	19	60	12.7	20-04188
11	32	74	12.7	20-04192
12.7	25.4	74	12.7	20-04196
15.9	25.4	74	12.7	20-04200
19	32	74	12.7	20-04204
22.2	32	74	12.7	20-04208
25.4	32	74	12.7	20-04212
28.5	32	74	12.7	20-04216
32	19	63.5	12.7	20-04220
38	22.2	67	12.7	20-04224

## Safety Tip

Check the RPM rating on your router bit.  
Do not exceed rated speeds.

- Up to 26mm diameter: 18000–24000
- 27–50mm diameter: 14000–18000
- 51–63mm diameter: 12000–16000
- 64–77mm diameter: 10000–12000





# Tungsten Tipped Cutters

## Chamfering Router Bit 1/4" – 2 Flute

- For creating clean, accurate bevels.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Degree [from Verticle]	Shank Diameter [mm]	Part #
16	15	56	7	6.35	20-05192
16	15	57	10	6.35	20-05196
20	15	57	15	6.35	20-05204
19.2	10.7	49	22	6.35	20-05208
25.4	15.5	57	22.5	6.35	20-05212
28	15	43	30	6.35	20-05240
15	10	43	45	6.35	20-05248
25.4	7	52	45	6.35	20-05256
30	8	52	45	6.35	20-05260
36	12	58	45	6.35	20-05268
40	9	57	60	6.35	20-05296
41	6.6	53	80	6.35	20-05300
35	5	56	70	6.35	20-05312
40	3	54	80	6.35	20-05320

## Chamfering Router Bit 1/2" – 2 Flute

- For creating clean, accurate bevels.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Degree [from Verticle]	Shank Diameter [mm]	Part #
18.5	38.5	94	5	12.7	20-05188
25	39	94	10	12.7	20-05200
25.4	17	74	22.5	12.7	20-05216
36	30	88	22.5	12.7	20-05220
28.6	15.9	72	30	12.7	20-05244
34	13	63	45	12.7	20-05252
29	8.5	60	45	12.7	20-05264
47.6	19	74	45	12.7	20-05272
41.3	15.5	67	45	12.7	20-05276
47.6	15.5	74	45	12.7	20-05280
51	20	82	45	12.7	20-05284
56	24	80	45	12.7	20-05288
57	25	75	45	12.7	20-05292
41	5.5	69	65	12.7	20-05224
50	9	58	65	12.7	20-05228
62	12	63	65	12.7	20-05232
90	18	91	65	12.7	20-05236
40	6.35	68	65	12.7	20-05304
75	14	81	65	12.7	20-05308
42	6	49	70	12.7	20-05316
40	4	67	80	12.7	20-05324
75	6.5	74	80	12.7	20-05328

# Tungsten Tipped Cutters

## Die Mould, Patternmakers Bit 1/2" – 2 Flute

- Bevel cutters for die and model making



Small Diameter (mm)	Large Diameter (mm)	Cut Length (mm)	OAL (mm)	Degree (per side from verticle)	Shank Diameter (mm)	Part #
10	12	72	72	3	12.7	20-05376
10	13.5	72	72	6	12.7	20-05380
10	15	72	72	10	12.7	20-05384
10	16.6	72	72	14	12.7	20-05388
10	21.5	72	72	20	12.7	20-05392
10	26	72	72	30	12.7	20-05396
10	10	90	90	3	12.7	20-05400
10	12	108	90	6	12.7	20-05404
10	17.5	20	90	10	12.7	20-05408
10	22.3	20	90	14	12.7	20-05412
10	27.5	91.5	90	20	12.7	20-05416
10	34	93	90	30	12.7	20-05420

## Slotting Cutter 4 Teeth - Blade only



Give us a call to discuss the specifications you need

See page 103 for arbors

Cut Diameter (mm)	Kerf (mm)	Part #
31.8	1.2	20-03008
31.8	1.6	20-03012
50.8	1.5	20-03148
50.8	1.6	20-03152
50.8	2	20-03156
50.8	2.5	20-03160
50.8	2.8	20-03164
50.8	3	20-03168
50.8	3.2	20-03172
50.8	3.6	20-03176
50.8	4	20-03180
50.8	4.8	20-03184
50.8	5	20-03188
50.8	5.5	20-03192
50.8	6	20-03196
50.8	6.4	20-03200
50.8	8	20-03204
74	5	20-03208
80	4.8	20-03212
80	5.5	20-03216
80	6.4	20-03220
80	8	20-03224

# Replaceable Knife Router Bits

## Inverted Flush Trim - 2 Flute

- 2 Knife Flush Trim Cutter for smooth, accurate trimming.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Knife Code	Part #
19	30	78	12.7	23-0456	20-10116
19	40	88	12.7	23-0140-4	20-10120
19	50	112	12.7	23-0160	20-10122
19	60	90	12.7	23-0180	20-10108INV
24	40	88	12.7	23-0140-4	20-10128
28.6	30	78	12.7	23-0456	20-10132
28.6	40	88	12.7	23-0140-4	20-10136
28.6	50	98	12.7	23-0488	20-10140

Refer to Page 93 for replaceable Knives

## Double Bearing Flush Trim - 2 Flute

- 2 Knife Flush Trim Cutter for smooth, accurate trimming.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Knife Code	Part #
19	12	48	6.35	23-0252	20-10000INV
19	30	92	12.7	23-0120	20-10102
19	50	112	12.7	23-0160	20-10104
19	60	122	12.7	23-0180	20-10106

## V' Groover Cutter - 2 Flute

- Single Knife Cutter for clean, sharp V grooving



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Degrees° [from Verticle]	Knife Code	Part #
25	15.5	68	12.7	45.5	23-2988	20-10240
18	12	60	12.7	45	23-0252	20-10244

# Replaceable Knife Router Bits

## Surface Planer / Rebater

- Ideal for fast material removal with smooth finish

Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Knife Code	Part #
38.1	12	59	12.7	23-0252	20-10249
60	12	78	12.7	23-0252	20-10248



# Tungsten Tipped Cutters

## Tungsten Tipped Surface Planer 50.8mm diameter

Ideal for fast material removal with smooth finish

Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
50.8	12	80	12.7	20-07250



## Replaceable Knife V cutter

- Replaceable KNife V Cutter for mitering, bevelling, V Grooving & lettering

Diameter	Degrees° included	Shank	OAL	Part #
38.5	91 degrees	12.7	76.2	20-50040
53.9	130 degrees	12.7	76.2	20-50060



# GET MONEY BACK FOR YOUR OLD, WORN TUNGSTEN CUTTERS

KONIG Green is a new initiative which recycles your old tungsten cutters and earns you money at the same time!

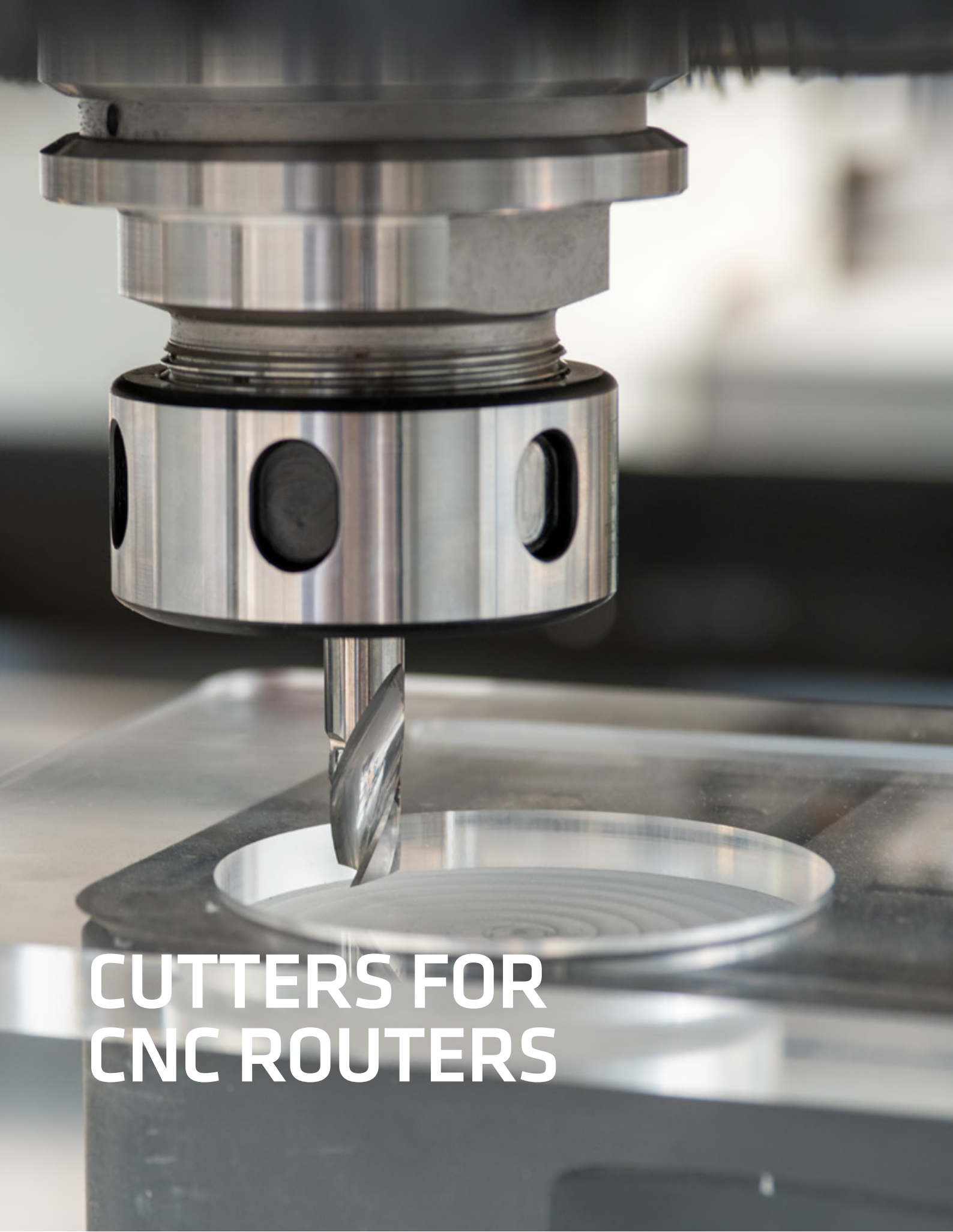


Stop throwing them in the bin, help the environment plus get something back for yourself while doing it.

## How does it work?

- We provide you with a storage container for all your worn out or unusable solid tungsten cutters.
- Once the container is full, just give us a call and we'll arrange pick up.
- We'll weigh your tungsten, recycle it and credit your account.

**Contact us today to start using this free service.**



# CUTTERS FOR CNC ROUTERS

# Solid Tungsten Cutters

## 2 Flute Upcut Cutter - Imperial

- Designed for routing where upward chip removal, tool rigidity, long life and high quality finish is desired.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	12.7	50	6.35	20-50904
3.97	16	50	6.35	20-50912
4.8	19	50	6.35	20-50916
6.35	22.2	63.5	6.35	20-50924
6.35	25.4	63.5	6.35	20-50928
6.35	28	75	6.35	20-50932
7.94	25.4	63.5	7.94	20-50936
9.5	28	75	9.5	20-50952
9.5	31.7	75	9.5	20-50956
11.1	25.4	75	12.7	20-50964
12.7	31.7	87	12.7	20-50972
12.7	41.4	87	12.7	20-50976
12.7	54	101	12.7	20-50984

## 2 Flute Upcut Cutter - Metric

- Designed for routing where upward chip removal, tool rigidity, long life and high quality finish is desired.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3	12	60	6	20-51004
4	16	64	6	20-51024
5	20	64	6	20-51040
6	25	64	6	20-51052
8	25	64	8	20-51068
8	32	80	8	20-51072
10	25	70	10	20-51084
10	32	80	10	20-51088
12	35	76	12	20-51108
12	42	100	12	20-51112
12	52	100	12	20-51116

# Solid Tungsten Cutters

## 2 Flute Downcut Cutter - Imperial

- Designed for routing where downward chip removal, tool rigidity, long life and high quality finish is desired.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	12.7	50	6.35	20-51200
4.8	19	50	6.35	20-51220
5.55	19	63.5	6.35	20-51228
6.35	22.2	63.5	6.35	20-51232
6.35	25.4	63.5	6.35	20-51236
6.35	28	75	6.35	20-51244
9.5	28	75	9.5	20-51268
12.7	31.8	76.2	12.7	20-51288
12.7	54	101	12.7	20-51300

## 2 Flute Downcut Cutter - Metric

- Designed for routing where downward chip removal, tool rigidity, long life and high quality finish is desired.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
4	16	64	6	20-51370
5	20	64	6	20-51390
6	25	64	6	20-51406
8	25	64	8	20-51410
10	35	76	10	20-51426
12	32	75	12	20-51442



# Solid Tungsten Cutters

## 2 Flute Compression Cutter Pro Range - Imperial

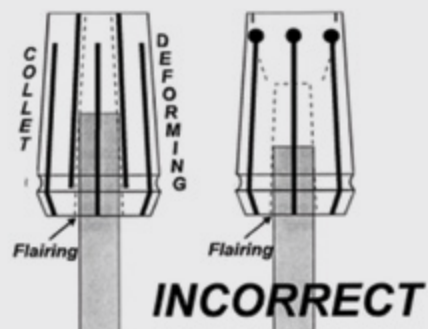
- The geometry of these tools prevents chipping and furring on the top and bottom surfaces of the material being cut.
- Great for laminated board products



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Upcut Length [mm]	Part #
6.35	22	63.5	6.35	8	20-52030
6.35	22	63.5	6.35	5	20-52034
9.5	22	76	9.5	5	20-52042
9.5	22	76	12	7	20-52044
9.5	28	76	9.5	8	20-52046
12.7	25	76	12.7	10	20-52054
12.7	28	76	12.7	5	20-52058
12.7	31.8	75	12.7	8.5	20-52062
12.7	35	92	12.7	10	20-52066
12.7	41.3	92	12.7	6.35	20-52070

### Safety Tip

Ensure your router bit shank is gripped by the collet for at least 2x its diameter. Do not allow flute run out to enter the colletting area as this reduces the grip and will force dirt into the collet eventually causing it to run out.



# Solid Tungsten Cutters

## 3 Flute Compression Cutter Pro Range - Imperial

- The geometry of these tools prevents chipping and furring on the top and bottom surfaces of the material being cut.
- Great for laminated board products



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Upcut Length [mm]	Part #
9.5	22	75	9.5	5	20-51980
9.5	28	75	9.5	12.7	20-51984
12.7	28	75	12.7	12.7	20-51988
12.7	41.4	87.5	12.7	9	20-51992
12.7	22	75	12.7	5	20-51996
12.7	35	87.5	12.7	5	20-52000

## 2 Flute Compression Cutter Pro Range - Metric

- The geometry of these tools prevents chipping and furring on the top and bottom surfaces of the material being cut.
- Great for laminated board products



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Upcut Length [mm]	Part #
6	20	64	6	4.8	20-52146
8	25	63	8	8	20-52154
8	25	63	8	5	20-52158
10	22.2	75	10	5	20-52162
10	30	75	10	8	20-52166
12	30	75	12	8	20-52170

# Solid Tungsten Cutters

## 2 Flute Chipbreaker Compression Cutter

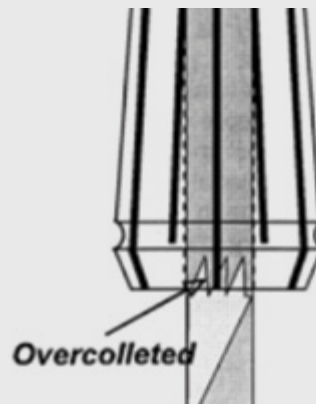
- Designed to give the optimum edge finish of the compressions with faster feed rates.
- Eliminates furring in soft material.
- Others sizes available.
- Great for Plywoods



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Ucut Length (mm)	Part #
6	20	60	6	4.5	20-52360
8	25	83	8	5	20-52364
9.5	22	75	9.5	4.8	20-52370
9.5	28	75	9.5	10.3	20-52374
12	42	90	12	8	20-52376
12.7	22	75	12.7	5	20-52378
12.7	28	75	12.7	14.3	20-52382
12.7	35	87.5	12.7	16	20-52386
12.7	41.4	100	12.7	19	20-52390
16	50	100	16	8	20-52392
20	50	125	20	9	20-52394

### Safety Tip

Never 'overfill' your collet. No shank should protrude past the back of the collet.



## Replaceable Knife Cutters

### Replaceable Knife V cutter

- For Mitreing, bevelling, V grooving, lettering.
- For use in Board products, solid timber, plywoods, composites & plastics.



Diameter	Cut Length	Overall Length	Shank Diameter	Angle (included)	Knife	Part #
43	43	115	20	45	60x12x1.5	20-1672
66.7	32.5	96	19	90	46.8x12	20-49456
76	38	110	19	90	54x12	20-49460
52	25	100	20	91	36x12x1.5	20-43252
66.7	33	98	19	91	35x12	20-49466
98	20.6	98	19	130	50x12	20-49474
96	12.7	89	19	150	50x12	20-49478

## Replaceable Knife Cutters

### Replaceable Knife Engraving System Set

- For clean & accurate engraving in board products, plastics, aluminium, solid surface & composites



Description	Part #
Engraver with 6.35mm shank - Body only	20-50030
Engraver with 12.7mm shank - Body only	20-50034
Engraver with 12.7mm shank - 8 piece kit	20-50036

# Replaceable Knife Cutters

## Replaceable Knife Surface Planer / Rebater Router Bit

- Ideal for fast material removal with smooth finish



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
38.1	12	59	12.7	20-10249
60	12	78	12.7	20-10248
80	12	90	20	20-49590
100	12	106	20	20-49591

Use radius knives for clean surfacing in plastics & aluminium.

## Replaceable Knife Straight Cutter

- Straight cutter with 2 staggered replaceable knives
- For high quality finish in solid wood, wood composites & laminated panels.
- For use in CNC routers.

Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Rotation	Knife Size (mm)	Part #
16	40	107	20	RH	7.5x12x1.5	20-0940
16	40	107	25	RH	7.5x12x1.5	20-0944
18	50	115	20	RH	30x12x1.5	20-0948
18	50	115	25	RH	30x12x1.5	20-0956
18	50	115	25	LH	30x12x1.5	20-0952
20	50	110	25	RH	30x12x1.5	20-0964
20	58	120	20	RH	30x12x1.5	20-0968
20	58	120	25	RH	30x12x1.5	20-0972



Refer to Page 93 for replaceable Knives

## Replaceable Knife Cutters

### Replaceable Knife V Groove Engraving Cutter

- For bevelling, grooving & engraving wood composites, panel boards, solid wood & composites.



Diameter (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Angle (included) (mm)	Knife Size (mm)	Part #
18	6	60	12.7	90	12x12x1.5	20-13328
25	7.5	68	12.7	91	20x12	20-13324

## Diamond Cutters

### PCD Diamond Compression Cutter. Z1+1

- For long life use on all CNC routers for cutting, jointing, grooving and rebating.
- Also great for abrasive materials such as fire rated panels and high pressure laminates



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
8	18	80	12	29-1091
9.5	22.5	80	12	29-1089
12	25	78	12	29-1094
12.7	35	88	12.7	29-1098
16	25	81	16	29-1100
16	35	91	16	29-1102
20	25	85	20	29-1092
20	35	95	20	29-1104
20	55	112	20	29-2304

# HSS Cutters

## HSS Single Flute O Flute Straight

- Combines an open flute design with single flute geometry to provide optimum chip removal.
- Excellent for hand-fed operations.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
6.35	31.7	67	6.35	20-50032
6.35	19	81.5	6.35	20-50070

# Solid Tungsten Cutters

## 2 Flute Upcut Spiral Ballnose Cutter - Imperial

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
1.6	6.35	50	3.2	20-52440
3.2	12.7	50	6.35	20-52444
3.2	12.7	50	3.2	20-52448
4.8	19	50	6.35	20-52452
6.35	22	63	6.35	20-52456
9.5	28	75	9.5	20-52460
12.7	28	75	12.7	20-52464
15.9	56	100	15.9	20-52468
19	63	125	16	20-52472
3	12	50	6	20-52476
6	22	64	6	20-52480
10	29	76	10	20-52484
12	29	76	12	20-52488

## Solid Tungsten Cutters

### 2 Flute Upcut Spiral Ballnose Cutter - Imperial - Long Series

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Cut Dia [mm]	Cut Length [mm]	ERL [mm]	OAL [mm]	Shank Diameter [mm]	Part #
1.6	6.35	-	75	3.2	20-54500
3.2	12.7	41	75	6.35	20-54504
3.2	12.7	41	75	3.2	20-54508
4.8	19	41	75	6.35	20-54512
6.35	25.4	66	100	6.35	20-54516
9.5	31.7	66	100	9.5	20-54520
12.7	38.1	91	125	12.7	20-54524
16	63	91	125	16	20-54528
19	75	117	150	19	20-54532

### 2 Flute Upcut Spiral Ballnose Cutter - Metric

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
6	10	57	6	20-54550
8	16	63	8	20-54554
10	19	72	10	20-54558
12	22	83	12	20-54562



# Solid Tungsten Cutters

## 2 Flute Upcut Spiral Ballnose Cutter - Metric - Long Series

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
2mm	6mm	60mm	3mm	20-54540
3mm	8mm*	70mm	6mm	20-54542
4mm	21mm	61mm	3mm	20-54544
5mm	10mm	90mm	6mm	20-54546
6mm	12mm	90mm	6mm	20-54548
6mm	7mm	90mm	6mm	20-54600
8mm	9mm	100mm	8mm	20-54604
10mm	11mm	120mm	10mm	20-54608
12mm	13mm	120mm	12mm	20-54612

\*Relief ground to 26mm

## 2 Flute Upcut Spiral Ballnose Cutter - Metric - Extra Long Series

- Designed for carving and modeling operations.
- Improved tip geometry gives a superior part finish.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
6	12	120	6	20-54640
8	16	150	8	20-54644
10	20	150	10	20-54648
12	24	150	12	20-54652
16	32	200	16	20-54656
20	40	200	20	20-54660

# Solid Tungsten Cutters

## Single Flute O Flute Straight Cutter - Imperial

- Designed to combine the fast free cutting of O flute geometry with tool life available from solid tungsten with extended tool life.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
3.2	7.9	50	6.35	20-56200
3.2	12.7	50	3.2	20-56201
3.2	12.7	50	6.35	20-56202
3.2	16	75	3.2	20-56204
3.2	16	100	6.35	20-56205
4.8	9.5	50	6.35	20-56207
4.8	16	63	4.8	20-56208
4.8	16	50	6.35	20-56209
4.8	25.4	100	6.35	20-56211
5.55	16	63	6.35	20-56212
6.35	9.5	63	6.35	20-56213
6.35	19	63	6.35	20-56214
6.35	19	82	6.35	20-56216
6.35	25.4	82	6.35	20-56218
6.35	31.7	100	6.35	20-56219
9.5	16	63	9.5	20-56220
9.5	22	63	9.5	20-56221
9.5	42	150	9.5	20-56222

## Single Flute O Flute Straight Cutter - Metric

- Designed to combine the fast free cutting of O flute geometry with tool life available from solid tungsten with extended tool life.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
4	16	64	6	20-56250
5	20	64	6	20-56254
6	25	64	6	20-56258
8	25	64	8	20-56262
12	35	88	12	20-56266

# Solid Tungsten Cutters

## 2 Flute O Flute Straight Cutter - Imperial

- Designed with free cutting O Flute geometry along with double flute for smooth finish



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	7.9	50	6.35	20-55250
3.2	12.7	50	6.35	20-55254
3.2	16	100	6.35	20-55258
4.8	9.5	50	6.35	20-55262
4.8	16	50	6.35	20-55266
4.8	25.4	100	6.35	20-55270
6.35	9.5	63	6.35	20-55274
6.35	25.4	63	6.35	20-55278
6.35	25.4	82	6.35	20-55286
6.35	31.7	100	6.35	20-55290
9.5	22	63	9.5	20-55294
9.5	25.4	100	9.5	20-55298
12.7	25.4	75	12.7	20-55302
12.7	25.4	100	12.7	20-55306
12.7	45	100	12.7	20-55310
12.7	54	150	12.7	20-55314

## 2 Flute O Flute Straight Cutter - Metric

- Designed with free cutting O Flute geometry along with double flute for smooth finish



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
4	16	65	6	20-55200
5	20	64	6	20-55204
6	25	64	6	20-55208
8	25	76	8	20-55212
10	35	88	10	20-55216
12	35	88	12	20-55220

# Solid Tungsten Cutters

## Single Flute 0 Flute Downcut Spiral Cutter - Imperial

- Designed to provide a smooth finish in hard plastic.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	12.7	50	3.2	20-56300
3.2	12.7	50	6.35	20-56304
4.8	16	50	4.8	20-56312
4.8	16	50	6.35	20-56316
6.35	19	63	6.35	20-56320
6.35	31.7	75	6.35	20-56324
6.35	38	75	6.35	20-56328

## Single Flute 0 Flute Downcut Spiral Cutter - Metric

- Designed to provide a smooth finish in hard plastic.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3	12	64	6	20-56400
4	20	64	6	20-56404
5	16	64	6	20-56408
6	30	76	6	20-56412
6	38	76	6	20-56416
8	25	64	8	20-56420
8	38	76	8	20-56424

# Solid Tungsten Cutters

## Single Flute O Flute Upcut Spiral Cutter - Imperial

- Designed to provide a smooth finish in **hard plastic.**



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
1.6	6.35	50	3.2	20-56450
1.6	6.35	50	6.35	20-56454
3.2	16	63	6.35	20-56458
3.2	19	63	6.35	20-56462
3.2	6.35	50	3.2	20-56466
3.2	6.32	50	6.35	20-56470
3.2	12.7	50	3.2	20-56474
3.2	12.7	50	6.35	20-56478
4.8	9.5	50	4.8	20-56490
4.8	9.5	50	6.35	20-56494
4.8	16	50	4.8	20-56498
4.8	16	50	6.35	20-56502
5.55	19	63	6.35	20-56506
6.35	9.5	50	6.35	20-56510
6.35	19	63	6.35	20-56518
6.35	31.7	75	6.35	20-56522
6.35	38	75	6.35	20-56526
9.5	16	63	9.5	20-56530
9.5	19	75	9.5	20-56534
9.5	28	75	9.5	20-56538
9.5	41.4	88	9.5	20-56542
12.7	41.4	88	12.7	20-56550

## Single Flute O Flute Upcut Spiral Cutter - Imperial

- Designed to provide a smooth finish in **soft plastic.**



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
1.6	6.35	50	3.2	20-56600
1.6	6.35	50	6.35	20-56604
3.2	6.35	50	3.2	20-56608
3.2	6.32	50	6.35	20-56612
3.2	12.7	50	3.2	20-56616
3.2	12.7	50	6.35	20-56620
4.8	9.5	50	4.8	20-56628
4.8	9.5	50	6.35	20-56632
4.8	16	50	4.8	20-56636
4.8	16	50	6.35	20-56640
6.35	9.5	50	6.35	20-56644
6.35	19	63	6.35	20-56652
6.35	31.7	75	6.35	20-56656
6.35	38	75	6.35	20-56660
9.5	16	63	9.5	20-56664
9.5	19	75	9.5	20-56668
9.5	28	75	9.5	20-56672
9.5	41.4	88	9.5	20-56676
12.7	41.4	88	12.7	20-56684

## Solid Tungsten Cutters

### Single Flute 0 Flute Upcut Spiral Cutter - Metric

- Designed to provide a smooth finish in **hard plastic.**



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
2	8	50	2	20-56700
2	8	64	6	20-56704
2.5	8	50	2.5	20-56708
2.5	8	64	6	20-56712
3	8	50	3	20-56716
3	8	64	6	20-56720
3	12	64	3	20-56724
3	12	64	6	20-56728
4	8	64	4	20-56732
4	12	64	4	20-56736
4	20	64	4	20-56740
4	20	64	6	20-56744
4	30	64	4	20-56748
5	16	64	5	20-56752
5	16	64	6	20-56756
5	30	64	5	20-56760
6	8	64	6	20-56764
6	12	64	6	20-56768
6	20	64	6	20-56772
6	30	76	6	20-56776
6	38	74	6	20-56780
8	25	64	8	20-56784
8	38	76	8	20-56788
10	30	76	10	20-56792
10	35	76	10	20-56796
12	38	76	12	20-56800

### Single Flute 0 Flute Upcut Spiral Cutter - Metric

- Designed to provide a smooth finish in **soft plastic.**



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
2	8	64	6	20-56830
3	8	50	3	20-56834
3	8	64	6	20-56838
3	12	64	3	20-56842
3	12	64	6	20-56846
4	12	64	4	20-56850
4	20	64	6	20-56854
5	16	64	5	20-56858
5	16	64	6	20-56862
6	12	64	6	20-56866
6	20	64	6	20-56870
6	38	76	6	20-56874
8	25	64	8	20-56878
8	38	76	8	20-56882
10	30	76	10	20-56886
12	38	76	12	20-56890

# Solid Tungsten Cutters

## Single Flute 0 Flute Upcut Spiral Cutter for Acrylic – Imperial

- These tools are designed to cut Acrylics.
- Their unique cutting geometry produces a smooth edge finish regardless whether it is cast or extruded Acrylic.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
1.6	6.35	50	6.35	20-56950
3.2	6.35	50	6.35	20-56954
3.2	12.7	50	6.35	20-56958
4.8	16	50	6.35	20-56962
6.35	9.5	63	6.35	20-56966
6.35	19	63	6.35	20-56970
9.5	28	75	9.5	20-56974

## 3 Flute Low Helix Finisher Cutter

- Designed for perfect balance and ultra smooth finish



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
6.35	9.5	75	6.35	20-55800
6.35	22	75	6.35	20-55804
9.5	16	75	9.5	20-55808
9.5	28	75	9.5	20-55812
12.7	28	88	12.7	20-55816
12.7	42	100	12.7	20-55820
12.7	54	113	12.7	20-55824

# Solid Tungsten Cutters

## 2 Flute 0 Flute Slow Helix Upcut Spiral Cutter

- Low helix geometry designed to cut soft and hard plastic with a smooth finish



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
6.35	9.5	63	6.35	20-54780
6.35	19	63	6.35	20-54784
9.5	25.4	75	9.5	20-54788
12.7	28	88	12.7	20-54792
12.7	42	88	12.7	20-54796
12.7	54	112	12.7	20-54800

## 2 Flute 0 Flute Upcut Spiral Cutter

- High helix geometry designed to cut soft plastic with a smooth finish.
- Special point geometry for improved bottom finish.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
3.2	12.7	50	6.35	20-54850
4.8	9.5	63	4.8	20-54854
4.8	16	63	6.35	20-54858
6.35	22	75	6.35	20-54862
6.35	31.7	75	6.35	20-54866
9.5	25.4	75	9.5	20-54870
9.5	38	100	9.5	20-54874
12.7	31.7	100	12.7	20-54878
12.7	45	100	12.7	20-54882
12.7	54	100	12.7	20-54886



# Solid Tungsten Cutters

## Single Flute Edge Rounding Cutter

- Designed for rounding the edge of sheets or parts



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Radius [mm]	Part #
6.35	9.5	63	6.35	3.2	20-56988
6.35	9.5	63	6.35	4.8	20-58992
6.35	9.5	63	6.35	6.4	20-58996

## Upcut Spiral Taper Cutter

- The taper tools are designed to produce a good edge finish in a variety of materials.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Degree per side	Part #
3	39	76	6	1	20-60500
3	25	76	6	3	20-60504
3	19	76	6	5	20-60508
3	12	76	6	7	20-60512
6	50	100	12	3	20-60516
6	35	100	12	5	20-60520
6	25	100	12	7	20-60524

## Safety Tip

Not sure how to run a cutter? To optimise your cutter's performance, you must use the correct feeds and speeds.

Call Tungsten & Tool; they're experts in this field.



## Solid Tungsten Cutters

### Solid Tungsten Single Flute O Flute Upcut Super O Cutter – Imperial

- The polished flute allows for razor sharp cutting edge and easy chip evacuation.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
1.6	6.35	50	3.2	20-59160
3.2	6.35	50	6.35	20-59164
3.2	12.7	50	3.2	20-59168
3.2	12.7	50	6.35	20-59172
4.8	16	50	4.8	20-59176
4.8	16	50	6.35	20-59180
4.8	31.7	75	6.35	20-59184
4.8	22	63	6.35	20-59188
6.35	16	50	6.35	20-59192
6.35	22	63	6.35	20-59196
6.35	31.7	75	6.35	20-59200
6.35	38	75	6.35	20-59204
9.5	28	75	9.5	20-59208
2	6	50	3	20-59212
5	16	64	6	20-59216
6	16	64	6	20-59220
10	29	74	10	20-59224

## Tungsten Tipped Trim Saws

### Tungsten Tipped Trim Blade

- Designed to trim and groove hard plastic.



Diameter (mm)	Teeth (mm)	Kerf (mm)	Part #
50	16	2.41	20-59050
63	20	2.41	20-59054
75	20	2.41	20-59058
88	20	2.41	20-59062
100	20	2.41	20-59066

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# Solid Tungsten Cutters

## Solid Tungsten Single Flute O Flute Upcut Cutter – Imperial

- The polished flute allows for razor sharp cutting edge and easy chip evacuation.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
1.6	6.35	6.35	38	20-59300
2.4	6.35	6.35	50	20-59304
3.2	6.35	6.35	38	20-59308
3.2	6.35	6.35	50	20-59312
3.2	12.7	12.7	50	20-59316
4.8	9.5	9.5	38	20-59324
4.8	9.5	9.5	50	20-59328
4.8	16	16	50	20-59332
6.35	9.5	9.5	50	20-59336
6.35	19	19	63	20-59340
6.35	31.7	31.7	75	20-59344
7.9	14	14	63	20-59348
7.9	19	19	75	20-59352
8.3	19	19	75	20-59356
9.5	19	19	75	20-59360
9.5	28	28	75	20-59364
9.5	35	35	88	20-59368
12.7	28	28	88	20-59372
12.7	35	35	88	20-59376

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# Solid Tungsten Cutters

## Single Flute 0 Flute Upcut Spiral Cutter - Metric

- High speed cutters for aluminium sheet and block materials.
- For use on High-Speed CNC mills, CNC routers and high speed machining centres



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
2	6	64	6	20-59400
2.5	6	64	6	20-59404
3	8	64	6	20-59408
3	12	64	6	20-59412
4	8	64	4	20-59416
4	20	64	6	20-59420
5	16	64	6	20-59424
6	8	64	6	20-59428
6	20	64	6	20-59432
8	25	64	8	20-59436
8	38	76	8	20-59440
10	30	76	10	20-59444

## Single Flute 0 Flute Upcut Spiral Cutter - Pro Range - Metric

- High speed cutters for aluminium sheet and block materials.
- For use on High-Speed CNC mills, CNC routers and high speed machining centres



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3	8	6	64	20-59450
4	12	6	64	20-59454
5	10	6	50	20-59456
5	25	8	70	20-59458
6	12	8	64	20-59462
6	16	8	64	20-59464
8	25	8	64	20-59466
8	25	8	100	20-59468
10	25	10	120	20-59470
10	35	10	80	20-59472
10	25	10	100	20-59473
12	50	12	100	20-59474

# Solid Tungsten Cutters

## Solid Tungsten Upcut Bottom Surfacing Cutter - 2 Flute

- Ideal for rebating & pocketing in both aluminium & plastics



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	CNR Radius [mm]	Part #
3.2	6.35	50	6.35	0.5	20-59660
3.2	6.35	50	6.35	0.05	20-59664
6.35	9.5	50	6.35	0.76	20-59668
6.35	9.5	50	6.35	0.05	20-59672
9.5	16	63	9.5	0.76	20-59676
9.5	16	63	9.5	0.05	20-59680
12.7	22	75	12.7	0.76	20-59684
12.7	22	75	12.7	0.05	20-59688
19	28	100	19	1	20-59689

## Single Flute Upcut Spiral Cutter for Soft Aluminium & ACM

- These tools are specially designed to cut soft grades of Aluminium and create a good edge and prevent chip rewelding.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
4.8	6.35	50	6.35	20-59500
6.35	6.35	50	6.35	20-59504
5	6	50	6	20-59508
6	6	50	6	20-59512

## Solid Tungsten Upcut Slow Helix Spiral Milling Cutter - 2 Flute - for Marine Aluminium

- - Specially designed to cope with soft marine plate aluminium.
- - Fast feed rates and clean finish



Diameter [mm]	Cut Length [mm]	Overall Length [mm]	Shank Diameter [mm]	Part #
4.8	6	63	8	20-60798
6	12	63	8	20-90790
8	16	63	8	20-60794

# Solid Tungsten Cutters

## V Groove Cutter - 2 Flute

- Designed for V Grooving & Bevelling.
- 90 degrees included angle



Diameter (mm)	Cut Length (mm)	Shank Diameter (mm)	Overall Length (mm)	Part #
6.35	19	6.3	50	20-50694
9.5	19	9.5	63	20-50698

## Replaceable Knife ACM Folding Cutter 90 degree

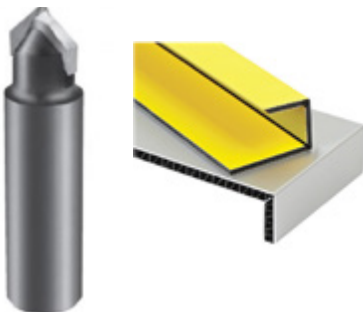
- For creating fold corners in aluminium composite laminate
- With 2mm flat for easy folding



Diameter (mm)	Cut Length (mm)	Shank Diameter (mm)	Overall Length (mm)	Part #
17	5	12.7	58	20-49480

## Tungsten Tipped ACM Folding Router Bit - 2 Flute

- For creating fold corners in aluminium composite laminate



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Degree Inc	Shank Diameter (mm)	Part #
18	7	42	90	6.35	20-04080
16	16	56	110	12.7	20-04082
16	16	56	135	12.7	20-04083

# Solid Tungsten Cutters

## High Performance Composite Cutter

- Designed for more efficient routing of composite materials, in both hand-fed and in CNC applications.
- Specially coated for heat abrasion resistance



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Point Style	Part #
3.2	12.7	38	3.2	Burr	20-59704
3.2	12.7	38	3.2	Endmill	20-59708
3.2	12.7	38	3.2	Drill	20-59712
4.8	16	50	6.35	Burr	20-59720
4.8	16	50	6.35	Endmill	20-59724
4.8	16	50	6.35	Drill	20-59728
6.35	25.4	75	6.35	Burr	20-59736
6.35	25.4	75	6.35	Endmill	20-59740
6.35	25.4	75	6.35	Drill	20-59744
6.35	38	88	6.35	Burr	20-59752
6.35	38	88	6.35	Endmill	20-59756
9.5	38	88	6.35	Drill	20-59760
9.5	54	100	6.35	Burr	20-59768
9.5	54	100	6.35	Endmill	20-59772
9.5	54	100	6.35	Drill	20-59776
9.5	25.4	75	9.5	Burr	20-59784
9.5	25.4	75	9.5	Endmill	20-59788
9.5	25.4	75	9.5	Drill	20-59792
9.5	41.5	88	9.5	Burr	20-59800
9.5	41.5	88	9.5	Endmill	20-59804
9.5	41.5	88	9.5	Drill	20-59808
9.5	54	100	9.5	Burr	20-59816
9.5	54	100	9.5	Endmill	20-59820
9.5	54	100	9.5	Drill	20-59824
12.7	28	75	12.7	Burr	20-59832
12.7	28	75	12.7	Endmill	20-59836
12.7	28	75	12.7	Drill	20-59840
12.7	41.4	100	12.7	Burr	20-59848
12.7	41.4	100	12.7	Endmill	20-59852
12.7	41.4	100	12.7	Drill	20-59856
12.7	54	100	12.7	Burr	20-59864
12.7	54	100	12.7	Endmill	20-59868
12.7	54	100	12.7	Drill	20-59872
12.7	78	125	12.7	Burr	20-59880
12.7	78	125	12.7	Endmill	20-59884
12.7	78	125	12.7	Drill	20-59888
12.7	104	150	12.7	Burr	20-59896
12.7	104	150	12.7	Endmill	20-59900
12.7	104	150	12.7	Drill	20-59904

continued on next page

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# Solid Tungsten Cutters

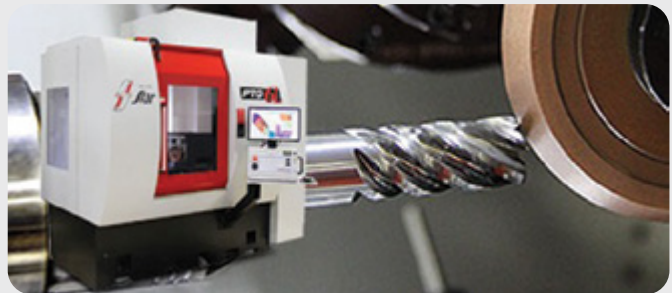
## High Performance Composite Cutter (continued)



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Point Style	Part #
4	16	50	6	Burr	20-59912
4	16	50	6	Endmill	20-59916
4	16	50	6	Drill	20-59920
6	19	75	6	Burr	20-59928
6	19	75	6	Endmill	20-59932
6	19	75	6	Drill	20-59936
6	25	75	6	Burr	20-59944
6	25	75	6	Endmill	20-59948
6	25	75	6	Drill	20-59952
8	25	63	8	Burr	20-59960
8	25	63	8	Endmill	20-59964
8	25	63	8	Drill	20-59968
10	25	75	10	Burr	20-59976
10	25	75	10	Endmill	20-59980
10	25	75	10	Drill	20-59984
12	25	75	12	Burr	20-59992
12	25	75	12	Endmill	20-59996
12	25	75	12	Drill	20-59998

### Safety Tip

Tungsten carbide tools, while they hold their edge well, dull off very quickly once their initial sharp edge is lost. To ensure the maximum cutter life, have it sharpened as soon as it begins to dull. We will probably have to grind only ½ as much away to restore the edge - doubling the tool's life!





# Solid Tungsten Cutters

## 3 Flute Upcut Spiral Cutter for Compact Laminate/Phenolic

- For both low and high spindle speed application in any CNC machining environment.



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
9.5	22	75	9.5	20-60100
12.7	28	75	12.7	20-60104
12.7	54	102	12.7	20-60108
10	22	75	10	20-60112
12	28	75	12	20-60116

# Diamond Cutters

## PCD Diamond Compression Cutter. Z1+1

- For long life use on all CNC routers for cutting, jointing, grooving and rebating.
- Also great for abrasive materials such as fire rated panels and high pressure laminates'



Cut Dia (mm)	Cut Length (mm)	OAL (mm)	Shank Diameter (mm)	Part #
8	18	80	12	29-1091
9.5	22.5	80	12	29-1089
12	25	78	12	29-1094
12.7	35	88	12.7	29-1098
16	25	81	16	29-1100
16	35	91	16	29-1102
20	25	85	20	29-1092
20	35	95	20	29-1104
20	55	112	20	29-2304

# Solid Tungsten Cutters

## 2 Flute Upcut Spiral Cutter for Stainless Steel

- Special cutting geometry is required to cut stainless steel and achieve decent tool life.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	6.35	50	3.2	20-60550
4.8	9.5	63	4.8	20-60554
6.35	9.5	63	6.35	20-60558
9.5	12.7	75	9.5	20-60562

## Endmill Cutter - Standard Length - for Steel



Diameter [mm]	Cut Length [mm]	Overall Length [mm]	Shank Diameter [mm]	Part #
10mm	22mm	73mm	3	20-60750
12mm	25mm	83mm	4	20-60754

# Solid Tungsten Cutters

## Tungsten Extra Long Series Endmill - 2 Flute - for Steel



Diameter (mm)	Cut Length (mm)	Overall Length (mm)	Shank Diameter (mm)	Part #
12	12	52	100	20-60758
10	10	56	150	20-60762
12	12	60	180	20-60766

We also do  
**Large diameter  
and Long reach  
Foam cutters.**

From 6mm to 32mm diameter  
and 100 to 500mm overall length!



Phone with your specifications:

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# Solid Tungsten Cutters

## 2 Flute Upcut Spiral Foam Cutter

- Designed to cut thick foam with upward chip flow.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
3.2	28	63	6.35	20-54730
4.8	28	75	4.8	20-54734
4.8	42	100	4.8	20-54738
6.35	57	100	6.35	20-54742
7.9	78	150	7.9	20-54746
9.5	88	150	9.5	20-54750

## HSS 4 Flute Upcut Spiral Foam Cutter

- Designed to cut thick foam with upward chip flow.



Cut Dia [mm]	Cut Length [mm]	OAL [mm]	Shank Diameter [mm]	Part #
12.7	91	150	12.7	20-54700
12.7	104	163	12.7	20-54704

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- 3 Our experts will service your cutting tools and send it back... **FREIGHT FREE\***

Freephone  **0800 488 647**



- ✓ Sawblades
- ✓ Router bits
- ✓ Planer blades
- ✓ Bandsaw blades

**Hassle  
FREE!**

Get your tools sharpened when you want...  
not when somebody else decides to turn up!!



# DRILLING & BORING TOOLS

## HSS Jobber Drills - Metric

- M2 HSS Jobber Drills for clean drilling.
- Pack of 10



Cut Diameter [mm]	Flute Length [mm]	OAL [mm]	Part #
1	12	34	25-0640
1.5	18	40	25-0643
2	24	49	25-0646
2.5	30	57	25-0649
3	36	61	25-0652
3.3	36	65	25-0655
3.5	39	70	25-0657
4	43	75	25-0660
4.1	43	75	25-0661
4.2	43	75	25-0663
4.5	47	80	25-0666
5	52	86	25-0669
5.3	52	86	25-0672
5.5	57	93	25-0675
6	57	93	25-0678
6.3	63	101	25-0681
6.5	63	101	25-0684
6.8	69	109	25-0687
7	69	109	25-0690
7.5	69	109	25-0693
8	75	117	25-0696
8.3	75	117	25-0698
8.5	75	117	25-0699
9	81	125	25-0702
9.5	81	125	25-0705
10	87	133	25-0708
10.2	87	133	25-0711
10.5	87	133	25-0714
11	94	142	25-0717
11.5	94	142	25-0720
12	101	151	25-0723
12.3	101	151	25-0726
12.5	101	151	25-0729
13	101	151	25-0732

Suitable for: ● Solid Wood ● Wood Composites ● Steel ● Composites

## HSS Jobber Drills - Imperial

- M2 HSS Jobber Drills for clean drilling.
- Pack of 10



Diameter [mm]	Overall Length	Part #
2.78	61	22-30350
3.17	65	22-30354
3.75	70	22-30358
3.97	75	22-30362
4.76	86	22-30366

Suitable for: ● Timber ● Plastics ● Aluminium ● Metal  
● Plywood ● Man Made Board ● Foam ● Composites

## Long Series Coated Jobber Drills - Metric

- M2 HSS Jobber Drills for clean drilling.
- Pack of 10



Diameter (mm)	Overall Length	Flute Length	Part #
2	95	62	22-30190
2.5	95	62	22-30192
3	130	72	22-30194
3.3	106	69	22-30196
3.5	137	76	22-30198
3.8	120	78	22-30200
4	146	86	22-30202
4.5	146	86	22-30204
5	152	92	22-30206
5.5	152	92	22-30208
6	156	95	22-30210
6.5	159	98	22-30212
7	159	98	22-30214
7.5	162	102	22-30216
8	165	105	22-30218
8.5	165	105	22-30220
9	171	108	22-30222
9.5	171	108	22-30224
10	178	111	22-30226
10.5	184	117	22-30228
11	184	117	22-30230
11.5	184	117	22-30232
12	197	121	22-30234
12.5	197	121	22-30236
13	203	121	22-30238

Suitable for: ● Timber ● Plastics ● Aluminium ● Metal  
● Plywood ● Man Made Board ● Composites

## 25 Piece HSS Drillset 1mm to 13mm

- 1mm to 13mm in 0.5mm increments



Product Name	Part #
25 Piece HSS Drillset 1mm to 13mm	25-0760



# Reduced Shank Drills - Metric



Diameter (mm)	Overall Length	Flute Length	Part #
10.5	133	87	22-30090
11	142	94	22-30092
11.5	142	94	22-30094
12	151	101	22-30096
12.5	151	101	22-30098
13	151	101	22-30100
13.5	152	86	22-30102
14	152	86	22-30104
14.5	152	86	22-30106
15	152	86	22-30108
15.5	152	86	22-30110
16	152	86	22-30112
16.5	152	86	22-30114
17	152	86	22-30116
17.5	152	86	22-30118
18	152	86	22-30120
18.5	152	86	22-30122
19	152	86	22-30124
19.5	152	86	22-30126
20	152	86	22-30128
20.5	152	86	22-30130
21	152	86	22-30132
21.5	152	86	22-30134
22	152	86	22-30136
22.5	152	86	22-30138
23	152	86	22-30140
23.5	152	86	22-30142
24	152	86	22-30144
24.5	152	86	22-30146
25	152	86	22-30148
26	152	86	22-30150
27	152	86	22-30152
28	152	86	22-30154
29	152	86	22-30156
30	152	86	22-30158
32	152	86	22-30162

Suitable for: ● Timber ● Aluminium ● Metal ● Composites

# HSS Drill for Plastics

- HSS Drills to produce clean holes in plastic, eliminating edge chipping and chip wrapping.



Cut Diameter [mm]	Flute Length [mm]	OAL [mm]	Part #
3	41	70	22-22532
3.5	44	73	22-22536
4	54	83	22-22540
4.5	56	86	22-22544
5	62	92	22-22548
5.5	64	95	22-22552
6	70	102	22-22556
6.5	73	105	22-22560
7	73	105	22-22564
7.5	78	111	22-22568
8	81	114	22-22572
8.5	87	121	22-22576
9	89	124	22-22580
9.5	92	127	22-22584
10	95	130	22-22588
10.5	98	133	22-22592
11	103	140	22-22596
11.5	106	143	22-22600
12	111	149	22-22604
12.5	114	152	22-22608
13	114	152	22-22612
13.5	122	168	22-22616
14	122	168	22-22620
14.5	122	168	22-22624
15	132	181	22-22628
15.5	132	181	22-22632
16	132	181	22-22636
16.5	132	181	22-22640
17	143	194	22-22644
17.5	143	194	22-22648

Suitable for: ● Hard and Soft Plastics

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# Bi-Metal Holesaws

- Cobalt Bi Metal Holesaws for clean, fast drilling in steel and wood
- 35mm boring depth.



Cut Diameter [mm]	Part #
14	33-1560
16	33-1564
17	33-1568
19	33-1572
20	33-1576
21	33-1580
22	33-1584
24	33-1588
25	33-1592
27	33-1596
29	33-1600
30	33-1604
32	33-1608
33	33-1612
35	33-1616
37	33-1620
38	33-1624
40	33-1628
41	33-1632
43	33-1636
44	33-1640
45	33-1644
46	33-1648
48	33-1652
50	33-1656
51	33-1660
52	33-1664
54	33-1668
55	33-1672
57	33-1676
59	33-1680
60	33-1684
64	33-1688
65	33-1692
67	33-1696
68	33-1700
70	33-1704
73	33-1708
75	33-1712
76	33-1716
79	33-1720
83	33-1724
86	33-1728
89	33-1732
92	33-1736
95	33-1740
98	33-1744
100	33-1748
102	33-1752
105	33-1756
108	33-1760
111	33-1764
114	33-1768
121	33-1772
127	33-1776
140	33-1780
146	33-1784
152	33-1788

Suitable for: ● Solid Wood ● Steel ● Aluminium

# Industrial TCT Holesaws

- Premium Heavy Duty Tungsten Tipped Holesaws with fixed shaft for clean, fast drilling
- For use in all materials including fibreboard, carbon fibre, composites and stainless. Not for use on concrete and ceramics.
- With integral shaft and replaceable pilot drill and ejector spring



Cut Diameter [mm]	Boring Depth [mm]	Shank Diameter [mm]	Part #
16	42	10	33-3388
17	42	10	33-3390
18	42	10	33-3392
19	42	10	33-3396
20	42	10	33-3400
21	42	10	33-3404
22	42	10	33-3408
23	42	10	33-3412
24	42	10	33-3416
25	42	10	33-3420
26	42	10	33-3424
27	42	10	33-3426
28	42	10	33-3428
29	42	10	33-3432
30	42	10	33-3436
32	42	10	33-3440
35	42	10	33-3444
36	42	10	33-3346
38	42	10	33-3448
40	42	10	33-3452
44	42	10	33-3456
45	42	10	33-3460
48	42	10	33-3464
50	42	10	33-3468
51	42	10	33-3472
55	42	10	33-3476
57	42	10	33-3478
60	42	10	33-3480
63.5	42	10	33-3484
65	42	10	33-3488
68	42	10	33-3492
70	42	10	33-3496
76	42	10	33-3500
80	42	10	33-3502
85	42	10	33-3504
86	42	10	33-3506
89	42	10	33-3508
90	42	10	33-3510
95	42	10	33-3512
100	42	10	33-3516
105	42	10	33-3520
110	42	10	33-3524
125	42	10	33-3528
127	42	10	33-3532
140	42	10	33-3536
146	42	10	33-3540
150	42	10	33-3544

Suitable for: ● Solid Wood ● Wood Composites ● Steel  
 ● Aluminium ● Composites

## TC Stub Drills

- Solid Tungsten Stub Drills for clean holes.
- Long life tungsten.



Cut Diameter [mm]	Flute Length [mm]	OAL [mm]	Part #
3	16	46	25-0496
3.5	20	52	25-0500
4	22	55	25-0504
4.2	22	55	25-0508
4.5	24	58	25-0512
5	26	62	25-0516
5.1	26	62	25-0520
5.5	28	66	25-0524
6	28	66	25-0528
6.5	31	70	25-0532
6.8	34	74	25-0536
7	34	74	25-0540
7.5	34	74	25-0544
8	37	79	25-0548
8.5	37	79	25-0552
9	40	84	25-0556
9.5	40	84	25-0560
10	43	89	25-0564
10.5	43	89	25-0568

Suitable for: ● Wood Composites ● Steel ● Composites

## TC Jobber Drills

- Solid Tungsten Jobber Drills for clean holes.
- Long life tungsten.



Cut Diameter [mm]	Flute Length [mm]	OAL [mm]	Part #
4.2	43	75	25-0601
5	52	86	25-0602
5.1	52	86	25-0603
6	57	93	25-0604
6.5	63	101	25-0605
6.8	69	109	25-0606
8	75	117	25-0608
8.5	75	117	25-0612
10	87	133	25-0616
12	101	151	25-0620

Suitable for: ● Wood Composites ● Steel ● Composites

# TC Dowell Boring Bits

## 57mm Long

- Tungsten Tipped Boring Bits for drilling clean blind holes



Cut Dia [mm]	Drill Depth [mm]	OAL [mm]	Rotation	Part #
3	27	57.5	LH	21-10092
3	27	57.5	RH	21-10096
4	30	57.5	LH	21-8428
4	30	57.5	RH	21-8432
5	30	57.5	LH	21-8436
5	30	57.5	RH	21-8440
5.5	30	57.5	LH	21-8444
5.5	30	57.5	RH	21-8448
6	30	57.5	LH	21-8452
6	30	57.5	RH	21-8456
6.3	30	57.5	LH	21-8460
6.3	30	57.5	RH	21-8464
7	30	57.5	LH	21-8468
7	30	57.5	RH	21-8472
8	30	57.5	LH	21-8476
8	30	57.5	RH	21-8480
8.2	30	57.5	LH	21-8484
8.2	30	57.5	RH	21-8488
9	30	57.5	LH	21-8492
9	30	57.5	RH	21-8496
9.5	30	57.5	LH	21-8500
9.5	30	57.5	RH	21-8504
10	30	57.5	LH	21-8508
10	30	57.5	RH	21-8512
10.5	30	57.5	LH	21-8516
10.5	30	57.5	RH	21-8520
11	30	57.5	LH	21-8524
11	30	57.5	RH	21-8528
12	30	57.5	LH	21-8532
12	30	57.5	RH	21-8536
12.7	30	57.5	LH	21-8540
12.7	30	57.5	RH	21-8544
13	30	57.5	LH	21-8548
13	30	57.5	RH	21-8552
14	30	57.5	LH	21-8556
14	30	57.5	RH	21-8560
15	30	57.5	LH	21-8564
15	30	57.5	RH	21-8568
16	30	57.5	LH	21-8572
16	30	57.5	RH	21-8576

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

# TCT Dowell Boring Bits

## 70mm Long

- Tungsten Tipped Boring Bits for drilling clean blind holes



Cut Dia [mm]	Drill Depth [mm]	OAL [mm]	Rotation	Part #
3	35	70	LH	21-10132
3	35	70	RH	21-10136
4	43	70	LH	21-8580
4	43	70	RH	21-8584
5	43	70	LH	21-8588
5	43	70	RH	21-8592
5.5	43	70	LH	21-8596
5.5	43	70	RH	21-8600
6	43	70	LH	21-8604
6	43	70	RH	21-8608
6.3	43	70	LH	21-8612
6.3	43	70	RH	21-8616
7	43	70	LH	21-8620
7	43	70	RH	21-8624
7.5	43	70	LH	21-8628
7.5	43	70	RH	21-8632
8	43	70	LH	21-8636
8	43	70	RH	21-8640
8.2	43	70	LH	21-8644
8.2	43	70	RH	21-8648
9	43	70	LH	21-8652
9	43	70	RH	21-8656
9.5	43	70	LH	21-8660
9.5	43	70	RH	21-8664
10	43	70	LH	21-8668
10	43	70	RH	21-8672
10.5	43	70	LH	21-8676
10.5	43	70	RH	21-8680
11	43	70	LH	21-8684
11	43	70	RH	21-8688
12	43	70	LH	21-8692
12	43	70	RH	21-8696
12.7	43	70	LH	21-8700
12.7	43	70	RH	21-8704
13	43	70	LH	21-8708
13	43	70	RH	21-8712
14	43	70	LH	21-8716
14	43	70	RH	21-8720
15	43	70	LH	21-8724
15	43	70	RH	21-8728
16	43	70	LH	21-8732
16	43	70	RH	21-8736

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

# TC Dowell Boring Bits

## 57mm Long. HP Range

- Tungsten Tipped Boring Bits for drilling clean blind holes.
- Special Micro tungsten for better, longer lasting performance in abrasive materials

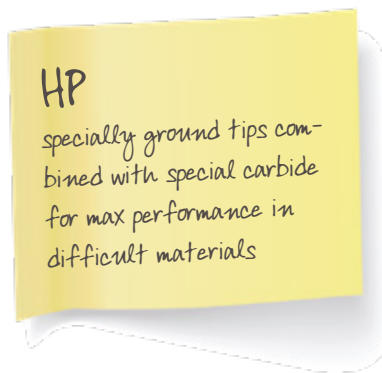


Cut Dia [mm]	Drill Depth [mm]	OAL [mm]	Rotation	Part #
5	27	57.5	LH	21-9988
5	27	57.5	RH	21-9992
6	27	57.5	LH	21-9996
6	27	57.5	RH	21-10000
7	27	57.5	LH	21-10002
7	27	57.5	RH	21-10003
8	27	57.5	LH	21-10004
8	27	57.5	RH	21-10008
9	27	57.5	LH	21-10009
9	27	57.5	RH	21-10010
10	27	57.5	LH	21-10012
10	27	57.5	RH	21-10016
12	27	57.5	LH	21-10020
12	27	57.5	RH	21-10024

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

## 70mm Long. HP Range

- Tungsten Tipped Boring Bits for drilling clean blind holes.
- Special Micro tungsten for better, longer lasting performance in abrasive materials



Cut Dia [mm]	Drill Depth [mm]	OAL [mm]	Rotation	Part #
5	35	70	LH	21-10028
5	35	70	RH	21-10032
6	35	70	LH	21-10036
6	35	70	RH	21-10040
7	35	70	LH	21-10041
7	35	70	RH	21-10042
8	35	70	LH	21-10044
8	35	70	RH	21-10048
9	35	70	LH	21-10050
9	35	70	RH	21-10051
10	35	70	LH	21-10052
10	35	70	RH	21-10056
12	35	70	LH	21-10060
12	35	70	RH	21-10064

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials



# TC Dowell Boring Bits

## 70mm Long

- Solid Tungsten Boring Bits for drilling clean blind holes.



Cut Dia [mm]	OAL [mm]	Rotation	Part #
14	70	LH	21-8146
14	70	RH	21-8147
15	70	LH	21-8148
15	70	RH	21-8152
16	70	LH	21-8156
16	70	RH	21-8160
18	70	LH	21-8162
18	70	RH	21-8163
20	70	LH	21-8164
20	70	RH	21-8168
22	70	LH	21-8170
22	70	RH	21-8171
25	70	LH	21-8172
25	70	RH	21-8176
26	70	LH	21-8180
26	70	RH	21-8184
30	70	LH	21-8188
30	70	RH	21-8192
35	70	LH	21-8196
35	70	RH	21-8200
40	70	LH	21-8202
40	70	RH	21-8203
54	70	RH	21-8205

Suitable for: ● Solid Wood ● Wood Composites ● Plastics ● Laminated Materials

# SHARPENING EXPRESS

Sharpening Express is an easy, hassle free way of having your tooling expertly serviced.

[With over 30 years of sharpening experience you can be assured of a premium job!]

Here's how it works:

- 1 We provide you with a pre addressed polycarbonate storage box for you to put your dull cutting tools... **FREE**
- 2 Once you're ready, fasten the lid, phone us **TOLL FREE on 0800 488 647** and we'll organise pick up and look after it from there.
- 3 Our experts will service your cutting tools and send it back... **FREIGHT FREE\***



- ✓ Sawblades
- ✓ Router bits
- ✓ Planer blades
- ✓ Bandsaw blades

**Hassle FREE!**

Get your tools sharpened when you want... not when somebody else decides to turn up!!

## Drill and Tungsten Countersink Bits

- For drilling and chamfering.



Drill Diameter [mm]	CSK Diameter [mm]	Shank Diameter [mm]	Part #
2	9.5	1/4" Hex	22-15838
2.4	9.5	1/4" Hex	22-15840
2.8	9.5	1/4" Hex	22-15842
3	9.5	1/4" Hex	22-15843
3.2	9.5	1/4" Hex	22-15844
3.5	9.5	1/4" Hex	22-15845
3.6	9.5	1/4" Hex	22-15846
4	12.7	1/4" Hex	22-15848
4.4	12.7	1/4" Hex	22-15852
5	12.7	1/4" Hex	22-15856

Suitable for: ● Solid Wood ● Wood Composites ● Laminated Materials

## HSS Cross Hole Countersinks

### HSS Countersinks

- HSS Countersinks with through holes for use in aluminium and steel.
- 82 degrees.
- Also suitable for plastics.



Cut Diameter [mm]	CSK Length	OAL [mm]	Part #
8.7	3.7	55	22-26291
9.9	4	55	22-26289
13.5	4.8	55	22-26290

Suitable for: ● Plastics ● Aluminium

# Three Flute HSSE Countersinks

- Three Flute Countersinks for use in aluminium and plastics
- 90 degrees.



Cut Diameter [mm]	CSK Diameter [mm]	OAL [mm]	Shank Diameter [mm]	Part #
10	4	50	6	22-26260
12.4	4	55	8	22-26252
15	5	60	8	22-26262
19	5	65	10	22-26268

Suitable for: ● Aluminium ● Plastics ● Solid Wood

# Pilot Drill to fit Holesaw mandrill Arbor



Product Name	Part #
Pilot Drill to fit Holesaw mandrill 6.35mm shank 89mm long	25-0960
Pilot Drill to fit Holesaw mandrill 6.35mm shank 114mm long	25-0961

# Fast Delivery!

Next working day  
delivery on all stocked  
items.



## We also supply HSS Custom Stepdrills



Phone with your specifications:

 **0800 488 647**



# TOOLHOLDING SYSTEMS

## Toolholders with HSK Taper

- For extreme precision and reliability.
- Made from extremely high resistant steel.
- Balanced to 24,000 RPM.



Taper Type	Collet Type	Part #
HSK63F	ER32	27-00040
HSK63F	ER40	27-00045
HSK63F	462E	27-00050

## Toolholders with ISO Taper

- For extreme precision and reliability.
- Made from extremely high resistant steel.
- Balanced to 24,000 RPM.



Taper Type	Collet Type	Part #
ISO20	ER16	27-00055
ISO25	ER20	27-00060
ISO30	ER25	27-00065
ISO30	ER32	27-00070
ISO30	ER40	27-00075
ISO30	462E	27-00080

## Twist Drill Adaptors



Inside Diameter (mm)	Shank Diameter (mm)	Overall Length	Shank Length	Part #
2	10	38	20	27-3184
2.5	10	38	20	27-3188
3	10	38	20	27-3192
3.2	10	38	20	27-3196
3.5	10	38	20	27-3200
4	10	38	20	27-3204
4.5	10	38	20	27-3208
5	10	38	20	27-3212

## Mounting Arbor

- For extreme precision and reliability.
- Made from extremely high resistant steel.



Taper Type	Shaft Diameter (mm)	Shaft Length (mm)	Part #
HSK63F	30	100	27-00200
HSK63F	35	100	27-00205
HSK63F	40	100	27-00210
ISO30	30	100	27-00215

# Precision Sawblade Mounting Arbor - 20mm shank

- For extreme precision and reliability.
- Made from extremely high strength corrosion resistant steel

Shaft Diameter (mm)	OAL	Part #
20	97.5	27-00220



## Needing More Options on Your CNC?

You need an AGGREGATE HEAD!

We source premium heads from Germany and America and can match them up to your machine and your application.



Give us a call on:

**0800 488 647**



## Extension Arbors with External Nut

- For extreme precision and reliability.
- For use on CNC routers



Shank Diameter [mm]	OAL [mm]	Collet Type	Part #
10	180	ER8M	27-00300
12	80	ER16M	27-00305
16	140	ER16M	27-00310
20	100	ER16M	27-00315
20	140	ER20M	27-00320
20	60	ER20M	27-00325
20	120	ER20M	27-00330
20	150	ER20M	27-00335
20	100	ER25M	27-00340
20	50	ER32	27-00345
20	100	ER32	27-00350
25	50	ER25	27-00355

## Extension Arbors with Internal Collet

- For extreme precision and reliability.
- Tapered nose for improved access in tight situations.



Shank Diameter [mm]	Small End Diameter [mm]	OAL [mm]	Collet Type	Shank Gripping Range [mm]	Part #
16	12	120	SBL6	3 - 6.5	27-00365
16	12	200	SBL6	3 - 6.5	27-00370
20	12	120	SBL6	3 - 6.5	27-00375
20	12	150	SBL6	3 - 6.5	27-00380
20	12	200	SBL6	3 - 6.5	27-00385
25	14	200	SBL6	3 - 6.5	27-00387
25	22	120	SBL12	6 - 12	27-00390
25	22	200	SBL12	6 - 12	27-00395

## Precision Collets

### ER16

- For precision and reliability.
- For chuck capacity up to 10mm



Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance	Part #
1	17	1 - 0.5mm	27-16010
2	17	2 - 1mm	27-16020
3	17	3 - 2mm	27-16030
4	17	4 - 3mm	27-16040
5	17	5 - 4mm	27-16050
6	17	6 - 5mm	27-16060
7	17	7 - 6mm	27-16070
8	17	8 - 7mm	27-16080
9	17	9 - 8mm	27-16090
10	17	10 - 9mm	27-16100

# Precision Collets

## ER20

- For precision and reliability.
- For chuck capacity up to 12mm



Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance	Part #
2	21	2 - 1mm	27-20020
3	21	3 - 2mm	27-20030
4	21	4 - 3mm	27-20040
5	21	5 - 4mm	27-20050
6	21	6 - 5mm	27-20060
6.4	21	6.4 - 5.4mm	27-20064
7	21	7 - 6mm	27-20070
8	21	8 - 7mm	27-20080
9	21	9 - 8mm	27-20090
10	21	10 - 9mm	27-20100
11	21	11 - 10mm	27-20110
12	21	12 - 11mm	27-20120
12.7	21	12.7 - 11.7mm	27-20127
13	21	13 - 12mm	27-20130

## ER25

- For precision and reliability. For chuck capacity up to 16mm



Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance	Part #
2	26	2 - 1mm	27-25020
3	26	3 - 2mm	27-25030
4	26	4 - 3mm	27-25040
5	26	5 - 4mm	27-25050
6	26	6 - 5mm	27-25060
7	26	7 - 6mm	27-25070
8	26	8 - 7mm	27-25080
9	26	9 - 8mm	27-25090
10	26	10 - 9mm	27-25100
11	26	11 - 10mm	27-25110
12	26	12 - 11mm	27-25120
13	26	13 - 12mm	27-25130
14	26	14 - 13mm	27-25140
15	26	15 - 14mm	27-25150
16	26	16 - 15mm	27-25160

## ER32

- For precision and reliability.
- For chuck capacity up to 20mm



Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance	Part #
2	32.8	2 - 1mm	27-32020
2.5	32.8	2.5 - 1.5mm	27-32025
3	32.8	3 - 2mm	27-32030
4	32.8	4 - 3mm	27-32040
5	32.8	5 - 4mm	27-32050
6	32.8	6 - 5mm	27-32060
7	32.8	7 - 6mm	27-32070
8	32.8	8 - 7mm	27-32080
10	32.8	10 - 9mm	27-32100
12	32.8	12 - 11mm	27-32120
13	32.8	13 - 12mm	27-32130
14	32.8	14 - 13mm	27-32140
16	32.8	16 - 15mm	27-32160
18	32.8	18 - 17mm	27-32180
19	32.8	19 - 18mm	27-32190
20	32.8	20 - 19mm	27-32200

Replace your collets every 400 - 600 working hours for greater accuracy and longer lasting cutters.

# Precision Collets

## ER40

- For precision and reliability.
- For chuck capacity up to 25mm



Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance	Part #
4	40.8	4 - 3mm	27-40040
5	40.8	5 - 4mm	27-40050
6	40.8	6 - 5mm	27-40060
7	40.8	7 - 6mm	27-40070
8	40.8	8 - 7mm	27-40080
10	40.8	10 - 9mm	27-40100
12	40.8	12 - 11mm	27-40120
13	40.8	13 - 12mm	27-40130
14	40.8	14 - 13mm	27-40140
16	40.8	16 - 15mm	27-40160
18	40.8	18 - 17mm	27-40180
19	40.8	19 - 18mm	27-40190
20	40.8	20 - 19mm	27-40200
25	40.8	25 - 24mm	27-40250

# Ultra Precision Collets

## ER32

- For extreme precision and reliability.
- Twice as accurate.



Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance	Part #
1/4"	32.8	1/4" [6.35mm]	27-42101
3/8"	32.8	3/8" [9.52mm]	27-42104
7/16"	32.8	7/16" [11.1mm]	27-42108
1/2"	32.8	1/2" [12.7mm]	27-42112
6	32.8	6mm	27-42116
8	32.8	8mm	27-42120
10	32.8	10mm	27-42124

# Ultra Precision Collets

## ER40

- For extreme precision and reliability.
- Twice as accurate.



Inside Diameter [mm]	Outside Diameter [mm]	Clamping Tolerance	Part #
1/4"	40.8	1/4" [6.35mm]	27-42128
3/8"	40.8	3/8" [9.52mm]	27-42132
1/2"	40.8	1/2" [12.7mm]	27-42136

# Ultra Precision Collets

## 462E

- For extreme precision and reliability.



Inside Diameter [mm]	Outside Diameter [mm]	Length [mm]	Clamping Tolerance	Part #
3	33.6	52	3 - 2.5mm	27-44000
4	33.6	52	4 - 3.5mm	27-44004
5	33.6	52	5 - 4.5mm	27-44008
6	33.6	52	6 - 5.5mm	27-44012
1/4"	33.6	52	6.35 - 5.85mm	27-44016
8	33.6	52	8 - 7.5mm	27-44020
3/8"	33.6	52	9.52 - 9.02mm	27-44024
10	33.6	52	10 - 9.5mm	27-44028
12	33.6	52	12 - 11.5mm	27-44032
1/2"	33.6	52	12.7 - 12.2mm	27-44036
16	33.6	52	16 - 15.5mm	27-44040
18	33.6	52	18 - 17.5mm	27-44044
20	33.6	52	20 - 19.5mm	27-44048
25	33.6	52	25 - 24.5mm	27-44052

# Power Clamping Nuts

- Special coated surface, twice as accurate as standard collet nuts.



Inside Diameter	Collet Type	Part #
16	ER11M	27-44100
22	ER16M	27-44105
28	ER20M	27-44110
35	ER25M	27-44115
50	ER32	27-44120
63	ER40	27-44125
60.3	EOC20	27-44130
35.4	EOC12	27-44135

# Collet Spanners



Collet Type	Part #
ER16	27-44200
ER20	27-44205
ER25	27-44210
ER32	27-44215
ER40	27-44220
ER11M	27-44225
ER16M	27-44230
ER20M	27-44235
ER25M	27-44240
ER32M	27-44250
ER40M	27-44255
EOC25	27-44260
TG	27-44270
SINO C	27-44275

# Opti-Clamp Tool Changing Device

- Extreme precision and reliability
- Perfect tool Centering
- Sturdy design with reduced height to increase the work space between the machine and the piece
- Safe and fast tool setup
- Simple & Safe tool change operation

Product Name	Part #
KONIG Toolchanging System for ISO Taper - fits ISO30, SK30 & HSK50 tapers	27-44400
KONIG Toolchanging System for HSK Taper - fits HSK63, ISO40 & SK40 tapers	27-44404



# CNC Toolholder Clip

- For both ISO and HSK toolholders.
- To fit most common CNC machines

Product Name	Part #
CNC Toolholder Clip for ISO 30	27-44412
CNC Toolholder Clip for HSK 63F	27-44416



## KONIG Torque Wrenches for Collet Nuts

- It is very important to ensure that collet nuts are tightened correctly.
- Undertightening may cause the tool to slip while working. Overtightening will cause damage to the toolholder itself, the collet nut or the tool shank



Product Name	Part #
Torque Wrench for ER32 Collet nuts	27-44284
Torque Wrench for ER40 Collet nuts	27-44286
Torque Wrench for EOC/462e Collet nuts	27-44288

## Collet Taper Wiper

For cleaning the taper where the toolholder mounts into the spindle of your CNC. Regular cleaning of this area ensures true concentricity and maximum power transition. This area gets particularly dirty.



Product Name	Part #
ER25 Collet Taper Wiper	15-0236
ER32 Collet Taper Wiper	15-0240
ER40 Collet Taper Wiper	15-0244
EOC[462E] Collet Taper Wiper	15-0248

## Spindle Taper Wipers

- For cleaning the taper where the toolholder mounts into the spindle of your CNC.
- Regular cleaning of this area ensures true concentricity and maximum power transition.



Product Name	Part #
Spindle Taper Wiper ISO 30	34-0036
Spindle Taper Wiper HSK 63F	34-0040



# SAWING

# Sawblades for Portable Machines

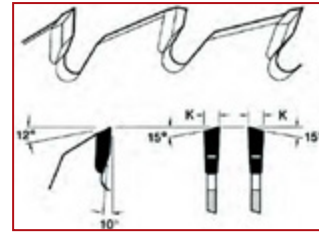
## Thin Kerf General Purpose Sawblades

- These high quality blades are designed for General Purpose work - both Crosscutting and Ripping



Dia [mm]	Kerf [mm]	Teeth	Part #
160	1.7	30	16-3132
184	1.7	30	16-3156
210	2.2	30	16-3180
220	2.2	30	16-3216
235	2.2	30	16-3228

Suitable for: ● Soft and Hard Wood



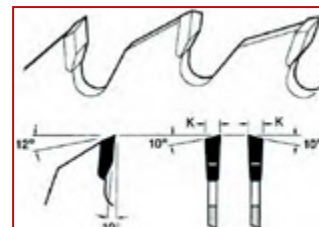
## General Purpose Sawblades

- These high quality blades are designed for General Purpose work - both Crosscutting and Ripping



Dia [mm]	Kerf [mm]	Teeth	Part #
110	2.2	30	16-3392
125	2.2	30	16-3400
140	2.2	30	16-3408
150	2.2	30	16-3416
160	2.2	30	16-3428
170	2.2	30	16-3440
184	2.2	30	16-3452
190	2.2	30	16-3468
200	2.8	30	16-3484
210	2.4	30	16-1764
210	2.8	30	16-3500
216	2.8	30	16-3516
216	2.4	48	16-1768
220	2.8	30	16-3532
230	2.8	30	16-3548
235	2.8	30	16-3564
235	2.8	34	16-1772
240	2.8	30	16-3580
254	2.8	30	16-3596
260	2.8	30	16-3612

Suitable for: ● Soft and Hard Wood





# Sawblades for Portable Machines

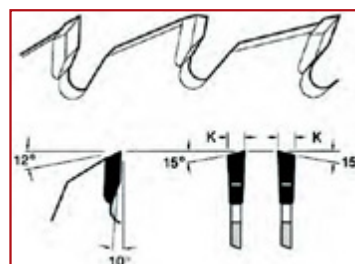
## Thin Kerf Fine Cross Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain cutting in solid wood.



Dia (mm)	Kerf (mm)	Teeth	Part #
160	1.7	40	16-3136
165	1.7	40	16-3148
184	1.7	40	16-3160
190	1.7	40	16-3172
210	2.2	40	16-3184
216	2.2	40	16-3200
220	2.2	40	16-3220
235	2.2	40	16-3236
250	2.2	40	16-3252
260	2.2	40	16-3264

Suitable for: ● Soft and Hard Wood



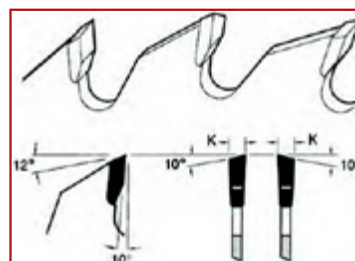
## Fine Cross Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain cutting in solid wood.



Dia (mm)	Kerf (mm)	Teeth	Part #
140	2.2	40	16-5072
150	2.2	40	16-3420
160	2.2	40	16-3432
170	2.2	40	16-3444
180	2.4	40	16-1796
184	2.2	40	16-3456
190	2.2	40	16-3472
200	2.8	40	16-3488
210	2.4	40	16-1780
210	2.8	40	16-3504
216	2.8	40	16-3520
220	2.8	40	16-3536
230	2.8	40	16-3552
235	2.8	40	16-3568
230	2.8	40	16-3584
240	2.8	40	16-3564
250	2.8	40	16-1776
260	2.8	40	16-3616

Suitable for: ● Soft and Hard Wood



# Sawblades for Portable Machines

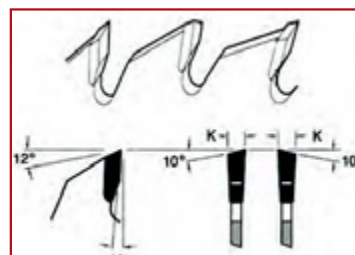
## Thin Kerf Fine Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain and finishing in solid wood.



Par Dia (mm) t #	Kerf (mm)	Teeth	Part #
160	1.7	60	16-3140
184	1.7	60	16-3164
210	2.2	60	16-3188
216	2.2	60	16-3204
235	2.2	60	16-3240
250	2.2	60	16-3256
260	2.2	60	16-3268
305	2.4	60	16-3272
310	2.4	60	16-3280

Suitable for: ● Soft and Hard Wood



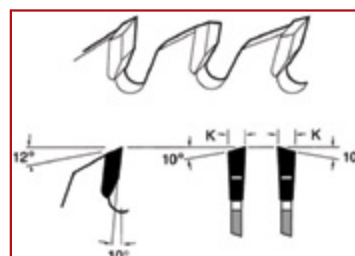
## Fine Cut Sawblades

- These blades are designed with a high number of teeth and are particularly suited to cross grain and finishing in solid wood.



Dia (mm)	Kerf (mm)	Teeth	Part #
184	2.2	60	16-3460
190	2.2	60	16-3476
200	2.8	60	16-3492
210	2.8	60	16-3508
216	2.8	60	16-3524
216	2.4	60	16-1784
220	2.8	60	16-3540
230	2.8	60	16-3556
235	2.8	60	16-3572
240	2.8	60	16-3588
250	2.8	60	16-1792
260	2.8	60	16-3620

Suitable for: ● Soft and Hard Wood



# High Performance Industrial Sawblades

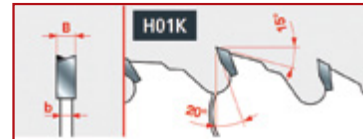
## Sawblades for Ripping

- ATB 10° tooth with positive cutting angle for ripping.
- For use on tablesaws and multi-ripping machines.



Dia (mm)	Kerf (mm)	Teeth	Part #
250	3.2	24	16-0192
300	3.2	28	16-0200
350	3.5	32	16-0208
400	4	34	16-0176
450	4.4	38	16-0180
500	4.4	42	16-0184
550	4.4	42	16-0188

Suitable for: ● Soft and Hard Wood



## Cross Cut Rip Sawblades

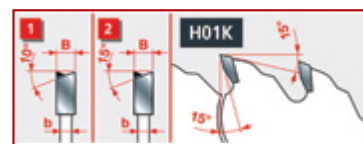
- ATB 15° tooth with positive cutting angle for ripping and coarse crosscutting.
- For use on tablesaws and large dropsaws.



Saw bushes also available

Dia (mm)	Kerf (mm)	Teeth	Part #
250	3.2	40	16-0396
300	3.2	48	16-0408
350	3.5	54	16-0424
400	4	60	16-0436
450	4.4	66	16-0444
500	4.4	72	16-0452
550	4.8	84	16-0456
600	5.4	96	16-0460
735	6	72	16-0468
760	6.2	72	16-0472

Suitable for: ● Soft and Hard Wood  
● Unprocessed Chipboard ● Plywood



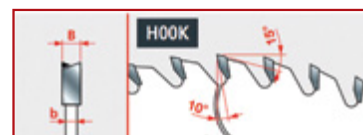
## Fine Cross Cut Sawblades

- ATB 15° tooth with positive cutting angle for fine cross cutting.
- For use on large dropsaws and tablesaws.



Dia (mm)	Kerf (mm)	Teeth	Part #
250	3.2	48	16-0492
250	3.2	60	16-0500
300	3.2	60	16-0504
300	3.2	72	16-0512
315	3.2	72	16-0516
350	3.5	84	16-0528
400	4	96	16-0540

Suitable for: ● Soft and Hard Wood  
● Unprocessed Chipboard ● Plywood



NZ

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# High Performance Industrial Sawblades

## Fine Sawblades

- ATB 15° tooth with positive cutting angle for fine cross cutting and finishing.
- For use on large dropsaws and tablesaws.



Dia [mm]	Kerf [mm]	Teeth	Part #
250	3.2	80	16-0592
300	3.2	96	16-0604
330	3.2	96	16-0032
350	3.2	108	16-0616
400	3.8	120	16-0620
450	4.4	132	16-0624
500	4.4	144	16-0628
550	4.8	156	16-0632
600	5.4	168	16-0636

Suitable for: ● Hard and Soft Solid Wood ● Chipboard  
● Single Sided Laminated Board



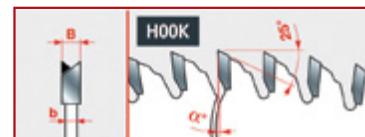
## Fine Steep Top Sawblades for Laminated Panels

- ATB 38° tooth, with variable cutting angle according to the diameter for finishing and sizing of laminated panels.
- For use on circular vertical saws, panel sizing machines and tablesaws



Dia [mm]	Kerf [mm]	Teeth	Part #
250	3.2	80	16-0592
300	3.2	96	16-0604
330	3.2	96	16-0032
350	3.2	108	16-0616

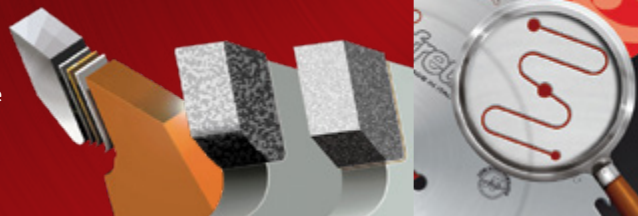
Suitable for: ● Laminated Panels with fine Coatings  
● Veneered Products



## Blades for Beamsaws

Call us about your beamsaw blades. With longer lasting MicroMax VF01 tungsten tips, ultra sharp honed teeth and noise reducing technology, you can be sure of successful cutting with our beamsaw blades!

Call us on 0800 488 647 and let us know your specifications and your machine model and we'll be able to sort the rest out for you.



# High Performance Industrial Sawblades

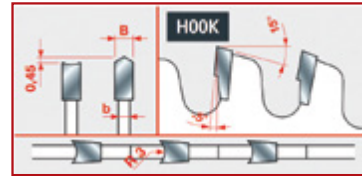
## Fine Hollow Face Sawblades for Laminated Panels

- Conical - Triple Chip tooth with concave face and negative cutting angle for finishing and sizing of laminated panels.
- For use on tablesaws and horizontal panel sizing machines



Dia (mm)	Kerf (mm)	Teeth	Part #
250	3.2	48	16-0752
300	3.2	60	16-0756
350	3.2	72	16-0760

Suitable for: ● Laminated Panels with Abrasive and Hard Coatings



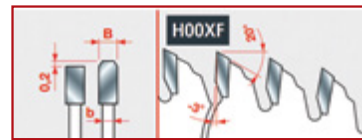
## Fine Triple Chip Sawblades for Laminated Panels

- Flat-Triple chip tooth with negative cutting angle for finishing and sizing of laminated panels.
- For use on tablesaws and horizontal panel sizing machines.



Dia (mm)	Kerf (mm)	Teeth	Part #
250	3.2	80	16-0856
300	3.2	96	16-0860
350	3.5	108	16-0864

Suitable for: ● Laminated Panels ● Plastic Materials



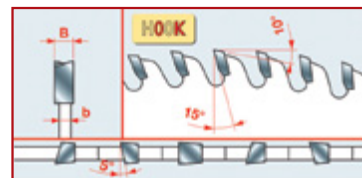
## Fine Cut Sawblades for Plastics

- Flat - ATB 10° tooth with 5° shear angle and positive cutting angle for finishing and sizing of plexiglass and plastic materials panels with fine finish tooth with 5° shear face angle.
- Reduced cutting height makes for easier workpiece feeding.
- For use on circular saws and tablesaws.



Dia (mm)	Kerf (mm)	Teeth	Part #
230	2.2	100	16-1664
250	2.2	100	16-0876
254	2.2	100	16-1668
300	2.8	96	16-0872

Suitable for: ● Plastic Materials ● Plexiglass



# High Performance Industrial Sawblades

## Fine Triple Chip Sawblades for Solid Surface

Fine Triple Chip Sawblades for Solid Surface 300mm x 84T x 2.2mm kerf

**Application:** for swirl-free cuts.

**Machines:** table saws and panel sizing.

**Material:** Solid surface materials (Dupont Corian®, Wilsonart Gibraltar®, SSV Fountainhead®, Varicor®...) and thick plastic.

Warning: not recommended for use on mitre saws.

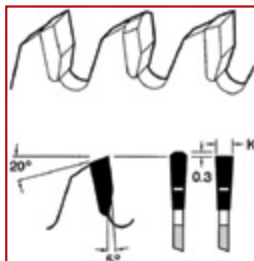


Dia [mm]	Kerf [mm]	Teeth	Part #
300	3.2	84	16-10320

Suitable for: ● Solid Surface

## Thin Kerf Fine Cut Sawblades for Aluminium

- Flat-triple chip tooth with negative cutting angle.
- Used to cut drawn products and tubes with thin walls.
- For ultra fine finish.
- For use on mitre saws with manual or mechanical clamping of the pieces.



Dia [mm]	Kerf [mm]	Teeth	Part #
100	2.2	30	16-2980
150	2.2	36	16-2984
160	2.2	36	16-2988
160	2.2	60	16-2992
184	2.2	40	16-2996
184	2.2	60	16-3000
190	2.2	40	16-3004
190	2.2	60	16-3008
200	2.4	48	16-3012
200	2.4	60	16-3016
210	2.4	48	16-3020
210	2.4	60	16-3024
210	2.4	80	16-3028
216	2.4	48	16-3032
216	2.4	60	16-3036
220	2.4	48	16-3044
220	2.4	60	16-3048
235	2.4	60	16-3052
235	2.4	80	16-3056
254	2.4	60	16-3060
254	2.8	100	16-3092

Suitable for: ● Aluminium and Non-Ferrous Metals

# High Performance Industrial Sawblades

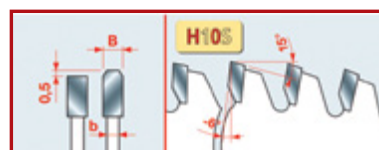
## Fine Cut Sawblades for Aluminium

- Flat-triple chip tooth with negative cutting angle.
- Used to cut drawn products and tubes whose thickness doesn't exceed 3mm.
- For use on mitre saws with manual or mechanical clamping of the pieces.



Dia [mm]	Kerf [mm]	Teeth	Part #
200	2.8	60	16-1024
250	3.5	80	16-1044
300	3.5	96	16-1048
330	3.5	104	16-1052
350	3.5	108	16-1056
380	3.5	108	16-1256
400	3.5	120	16-1064
450	4	128	16-1072
500	4	140	16-1268

Suitable for: ● Aluminium and Non-Ferrous Metals



## Multi-Cut Sawblades

- METAL - Cut a wide range of metal sections and cladding materials. Achieve fast clean cuts without the hot sparks that are generated by abrasive wheels.
- ALUMINIUM - Super clean cuts in all aluminium sections. For use in miter saws, and portable tools.
- PLASTICS - For excellent results in all rigid plastic sections. For use in miter saws and portable tools.
- WOOD - Clean cuts in all wood sections. Gives very clean cuts in laminates and Particleboard/MDF. For use in miter saws and portable tools.
- COOLROOM PANEL - Cut the steel cladding and foam substrate in one pass.
- WOOD WITH NAILS - Great for reclaimed wood. Note that nails must be well 'embedded'. Loose and hardened nails cannot be cut.

Dia [mm]	Teeth	Bore	Recommended RPM	Part #
100	20	22.2	5500-8550	16-6500
115	20	22.2	4200-6900	16-6504
125	20	22.2	3300-4400	16-6508
136	36	20	3200-4000	16-6512
160	40	20	2600-3900	16-6516
160	50	20	2600-3900	16-6520
180	42	20	2300-3500	16-6524
180	54	20	2300-3500	16-6528
180	70	20	2300-3500	16-6532
250	60	30	1950-3200	16-6536
350	60	25.4	1100-1600	16-6540
355	64	25.4	1100-1600	16-6544

Suitable for: ● Timber ● Plastics ● Metal and Aluminium  
● Plywood ● Man Made Board ● Composites



# High Performance Industrial Sawblades

## Grooving Blades

- Brazed tip cutters for good quality grooving.



Dia (mm)	Kerf (mm)	Teeth	Part #
125	3	12	16-10320
125	4	12	16-10324
125	5	12	16-10328
125	6	12	16-10332
125	8	12	16-10336
150	2	12	16-2912
150	3	12	16-2876
150	4	12	16-2880
150	5	12	16-2884
150	6	12	16-2888
150	8	12	16-2892
150	10	12	16-2896

Suitable for: ● Soft and Hard Wood ● Chipboard ● Laminated Wood  
● MDF ● Aluminium and Non-Ferrous Metals

## Multi Tool Blades

### Pack (5) Multi Tool Blades 28mm Plunge & Flush-Cut for Wood & Metal

- Universal Arbor
- Bimetal with 8% Cobalt Teeth
- Saw blade for wood, non-ferrous metals, plastics, sheet metal



Dia (mm)	Kerf (mm)	Teeth	Part #
28	48	18	32-0792

## Multi Tool Blades

### Pack (5) Multi-Tool Blades 32mm Plunge & Flush-Cut for Wood & Metal (Fein)

- Bimetal with 8% Cobalt teeth
- Saw blade for wood, non-ferrous metals, plastics, sheet metal



Dia (mm)	Kerf (mm)	Teeth	Part #
32	40	18	32-0766



# Multi Tool Blades

## Pack (5) Multi-Tool Blades 87mm Radius Cut for Wood & Nails

- Universal Arbor
- Bimetal with 8% Cobalt teeth
- Saw blade for wood, non-ferrous metals, plastics, sheet metal



Dia [mm]	Kerf [mm]	Teeth	Part #
10	28	18	32-0730

# Multi Tool Blades

## Pack (5) Multi-Tool Blades 45mm Plunge & Flush Cut for Wood & Metal

- Universal Arbor
- Bimetal with 8% Cobalt teeth
- Saw blade for wood, non-ferrous metals, plastics, sheet metals



Dia [mm]	Kerf [mm]	Teeth	Part #
45	48	18	32-0760

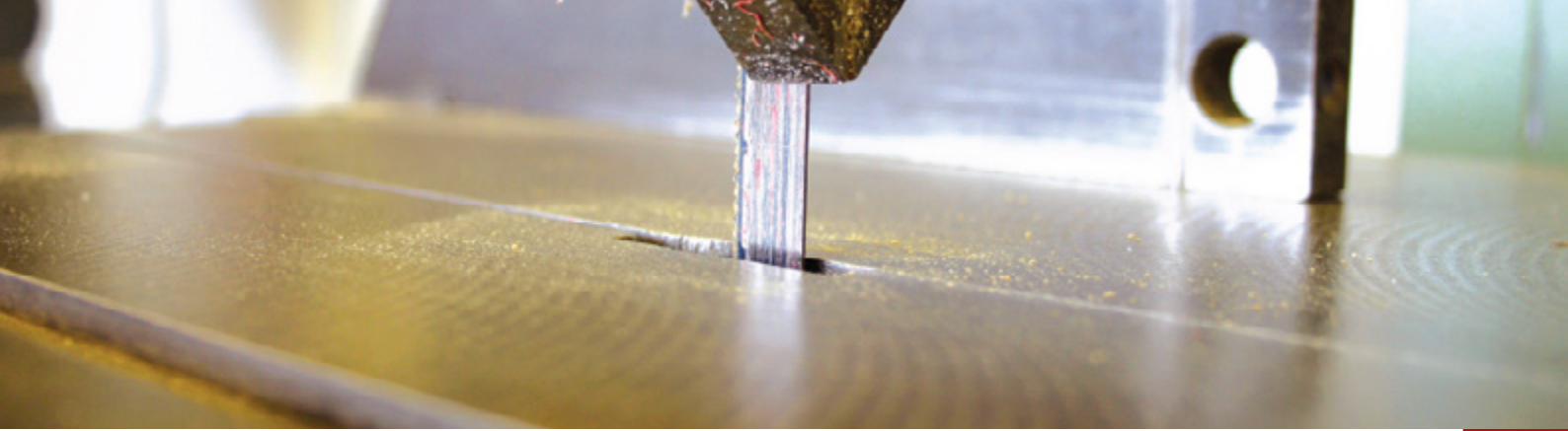
# Pack (5) Multi-Tool Blades 87mm Radius Cut for Wood & Nails

Sku# 32-0786 87mm Radial Saw blade for Wood and Metal



Width	No. of Cutting Edge	Part #
87	20 TPI	32-0786

Suitable for: ● Wood ● Veneered panels  
 ● Plastic and laminated panels ● Sheet metal  
 ● Copper ● Aluminium pipes and profiles



# BANDSAW BLADES

## How they're used

For bandsaws.

## Features & benefits

- **More blade choices** than ever, to keep up with the constant development of new materials and the necessity to cut contours and shapes in them.
- **CV Hardened Tooth** – standard blades used traditionally for cutting wood and plastics.
- **HSS Welded Edge** – for abrasive wood types, some composites and steel (with coolant).
- **Tungsten Tipped** – for composites, abrasive woods.
- **Tungsten Grit** – for composites, carbon fibre, ceramics.

## Features & benefits

Blade width is measured from the tips of the teeth to the back of the blade.

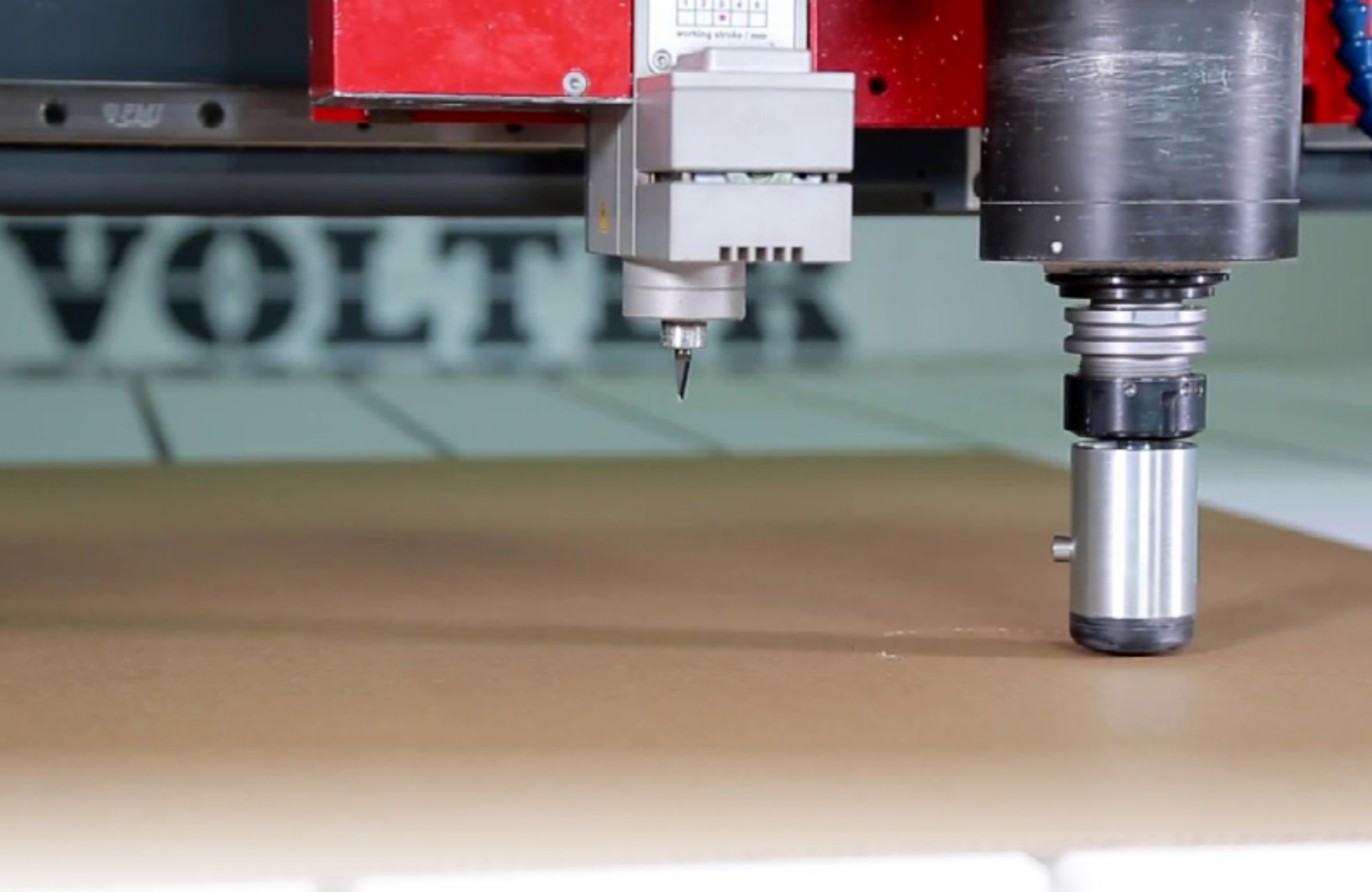
For **straight and cut off work**, the blade should be as wide as your machine will allow, as the wider the band, the straighter the cut will be.

For **contour sawing**, while the blade should be as wide as the machine allows, it should be narrow enough to cut the desired shape or radius.

The number of teeth per inch (tpi) is important to obtain the desired finish and the proper feed rate.

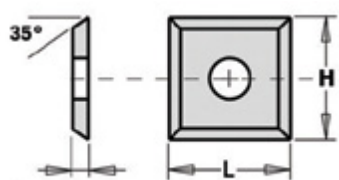
## Specifications

- **Coarse** tooth blades (2,3 tpi) should be used for resawing wood and thick stock up to 8”(200mm)
- **Medium** toothed blades (4,6 tpi) are used as a general purpose blade for wood, some plastics and aluminium (6, 8tpi).
- **Fine** toothed blades (10-32 tpi) are used for cutting thin metals.
- Consider that there needs to be a minimum of 3 teeth in the work at any one time.
- More tpi gives a smoother but slower cut.
- Fewer tpi allow a faster cut with a slightly rougher finish.
- Variable pitch blades are used when cutting a wide variety of thickness metals (please enquire).



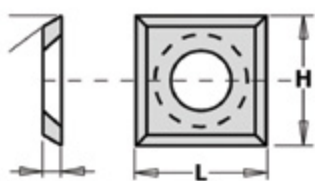
# REPLACEABLE KNIVES & BLADES

## Replaceable Knife Four Sided



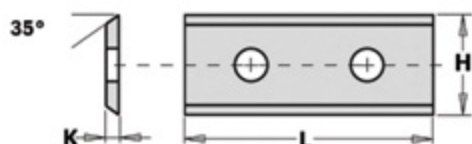
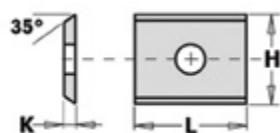
Length (mm)	Width (mm)	Thickness (mm)	Grade	Part #
12	12	1.5	HC05	23-0252
12	12	1.5	SMG02	23-0264
17	17	2	HC05	23-0272

## Replaceable Knife Four Sided with Countersunk Hole



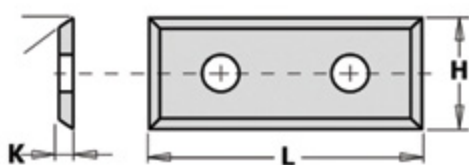
Length (mm)	Width (mm)	Thickness (mm)	Grade	Part #
14	14	2	HC05	23-0352
14	14	2	SMG02	23-0368

## Replaceable Knife Two Sided



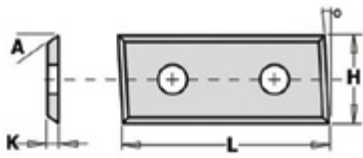
Length (mm)	Width (mm)	Thickness (mm)	Grade	Part #
7.5	12	1.5	HC05	23-0196
9.6	12	1.5	HC05	23-0208
20	12	1.5	HC05	23-0076
30	12	1.5	HC05	23-0120
30	12	1.5	SMG02	23-0132
30	12	1.5	UMG04	23-0136
40	12	1.5	HC05	23-0140
40	12	1.5	SMG02	23-0152
50	12	1.5	HC05	23-0160
50	12	1.5	MG06	23-0168
50	12	1.5	SMG02	23-0172
50	12	1.5	UMG04	23-0176
60	12	1.5	HC05	23-0180
60	12	1.5	SMG02	23-0192

## Replaceable Knife Four Sided



Length (mm)	Width (mm)	Thickness (mm)	Grade	Part #
29.5	9	1.5	HC05	23-0476
29.5	9	1.5	MG06	23-0484
29.5	12	1.5	HC05	23-0456
29.5	12	1.5	MG06	23-0464
29.5	12	1.5	SMG02	23-0468
49.5	9	1.5	MG06	23-0516
49.5	12	1.5	HC05	23-0488
49.5	12	1.5	MG06	23-0496
49.5	12	1.5	SMG02	23-0500
59.5	12	1.5	HC05	23-0520

## Replaceable Knife for V Cutter



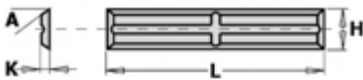
Length [mm]	Width [mm]	Thickness [mm]	Part #
36	12	1.5	23-3540
44.5	12	1.5	23-1064

## Replaceable Knife for Engraving System



Length [mm]	Width [mm]	Thickness [mm]	Degrees	Part #
30	9	1.5	30°	23-3952
30	9	1.5	60°	23-3956
30	9	1.5	90°	23-3960

## Tungsten Blades for Portable Planers



Length [mm]	Width [mm]	Depth [mm]	Grade	Part #
82	5.5	1.1	HC35	23-0952

## Replaceable Knife Four Sided with Chamfer



Length [mm]	Width [mm]	Depth [mm]	Grade	Part #
14	14	2	HC05	23-0370

## Planer Blades For Portable Planer



Product Name	Part #
Pair Portable Planer Blade 82mm Makita	19-0012
Pair Portable Planer Blade 82mm Hitachi	19-0014

Suitable for: ● Timber ● Plywood ● Man Made Board

## Tungsten Drag & Oscillating Knives

### TC Knife Blade BLD-SR6224

For use in Esko Kongsberg machines.



Cutting Depth	Part #
12mm	40-10010

Suitable for: ● Carpet materials with rubber backing  
● Corrugated Plastic ● Foam Board ● Vinyls

### TC Knife Blade BLD-SR6310

For use in Esko Kongsberg machines.



Cutting Depth	Part #
22mm	40-10014

Suitable for: ● Fluted core board ● Rigid paper based materials

### TC Knife Blade BLD-SR8170

For use in Esko Kongsberg and Multi-cam machines.



Cutting Depth	Part #
6.5mm	40-10018

Suitable for: Flexible materials such as ● Folding cartons  
● Polyester film ● Leather ● Vinyls ● Paper

### TC Knife Blade BLD-SF216

For use in Zund & Esko Kongsberg machines.



Cutting Depth	Part #
8mm	40-10022

Suitable for: ● Canvas ● Self adhesive vinyls  
● Reflective vinyls ● Paper ● Polyester fabric  
● Foam ● Gasket materials ● Folding cartons  
● Magnetic foil ● PVC banner

# Tungsten Drag & Oscillating Knives

## TC Knife Blade Z1 BLD-KC101

For use in Zund & Esko Kongsberg machines.



Cutting Depth	Part #
1mm	40-20010

Suitable for: ● Magnetic foil ● Masking film  
● Polycarbonate ● Card stock

## TC Knife Blade Z3 BLD-KC103

For use in Zund & Esko Kongsberg machines.



Cutting Depth	Part #
1mm	40-20014

Suitable for: ● Self adhesive vinyls ● Magnetic foil  
● Masking film ● Polycarbonate

## TC Knife Blade Z21 BLD-SF421

For use in Zund & Esko Kongsberg machines.



Cutting Depth	Part #
17.4mm	40-20018

Suitable for: ● Corrugated board ● Corrugated plastic  
● Corrugated sandwich ● Sandwich board  
● Foam board ● Folding cartons ● Magnetic foil  
● Polyester fabric ● Rubber ● Foam

## TC Knife Blade Z28 BLD-SF428

For use in Zund & Esko Kongsberg machines.



Cutting Depth	Part #
26mm	40-20022

Suitable for: ● Corrugated ● Foam board ● Foam  
● Insulating Mat

# GET MONEY BACK FOR YOUR OLD, WORN TUNGSTEN CUTTERS

KONIG Green is a new initiative which recycles your old tungsten cutters and earns you money at the same time!



Stop throwing them in the bin, help the environment plus get something back for yourself while doing it.

## How does it work?

- We provide you with a storage container for all your worn out or unusable solid tungsten cutters.
- Once the container is full, just give us a call and we'll arrange pick up.
- We'll weigh your tungsten, recycle it and credit your account.

**Contact us today to start using this free service.**





# LUBRICATION, ACCESSORIES & PARTS

## Lube Spray Aerosol Can 400ml

- High duty aerosol cutting oil
- Will not effect any finishing processes.
- Great for machines with no misting or lubricating units.



Product Name	Part #
Lube Spray Aerosol Can 400ml	15-0278

## TopUp (formerly TOPCOTE/ GlideCote) 305ml

- For use on dimension saw table, thicknesser tables etc
- Greatly reduces friction so boards slide freely.
- Silicone and petroleum free so will not effect coatings or finishing processes



Product Name	Part #
TopUp 305ml	15-0200

## DryUp (formerly DRICOTE/Bladecote) 305ml

- Made for the lubrication of cutting tools like router bits & sawblades
- Because resin build up is reduced, tools run cooler, more accurately and stay sharper for longer.



Product Name	Part #
DryUp 305ml	15-0156

## Gleiten-Lube AL Aluminium Lubricant - Residue Free Version

- This German product is a non-toxic, non-allergenic and non-volatile oil based lubricant designed specially for machining aluminium.
- It is the original lubricant supplied with Elumatic, Emmegi & FOM aluminium processing machinery.
- New Low-Residue version



Product Name	Part #
Gleiten Lube AL 5L - Low Residue	15-0120
Gleiten Lube AL 20L - Low Residue	15-0124

# TMK Tooling Maintenance Kit for CNC Machines

Make your machinery and tools last longer with regular maintenance.

Everything you need in one easy kit.



Product Name	Part #
TMK Tooling Maintenance Kit for CNC Machines	34-0032

Purchase online at  
**tungstenandtool.com**

for fast, overnight delivery  
+ a Free block of Chocolate!

Phone with your specifications:

 **0800 488 647**



## Industrial Ball Bearings



Outside Diameter [mm]	Inside Diameter [mm]	Width [mm]	Part #
6.35	3.2	2.7	9-2144
9	4	4	9-2612
9.5	6.35	3.2	9-2148
9.5	4.8	3.2	9-2152
9.5	3.2	4	9-2156
12.7	6.35	4.8	9-2160
12.7	4.8	4.8	9-2164
13	4	5	9-2560
15.9	4.8	4.8	9-2168
15.9	6.35	4.8	9-2172
16	6.4	5	9-2564
19	12.7	4	9-2176
19	6	6	9-2180
19	6.35	7.1	9-2184
19	8	6	9-2188
20.6	6.35	7.6	9-2192
22	8	6.9	9-2196
24	8	8	9-2200
24	15	5	9-2204
28	8	9	9-2208
28	12	8	9-2212
28.6	12.7	8	9-2214
35	15	11	9-2216

## Industrial Arbors with Screw



Shank Diameter [mm]	Mounting Diameter [mm]	Mounting Length [mm]	Overall Length [mm]	Part #
6.35			55.5	9-2924
12.7			55.5	9-2940
12.7	8	11	62	9-2948

## Industrial Arbors with Nut



Shank Diameter [mm]	Mounting Diameter [mm]	Mounting Length [mm]	Overall Length [mm]	Part #
6.35	6.35	28.8	60	9-2100
6.35	7.5	15.9	52.4	9-2104
6.35	8	22.2	60	9-2072
6.35	8	19.3	57.4	9-2080
6.35	8	38.1	76	9-2112
12.7	6.4	19	60	9-2098
12.7	8	22	67	9-2076
12.7	8	19.3	63.7	9-2084
12.7	8	31.8	78.7	9-2088
12.7	8	37	84	9-2116
12.7	8	50	100	9-2136
12.7	12.7	24	78.7	9-2092
12.7	8	37	84	9-2134
12.7	12.7	44	92	9-2140
12.7	16	52.5	96	9-2142

## Industrial V-Force 8M Tape

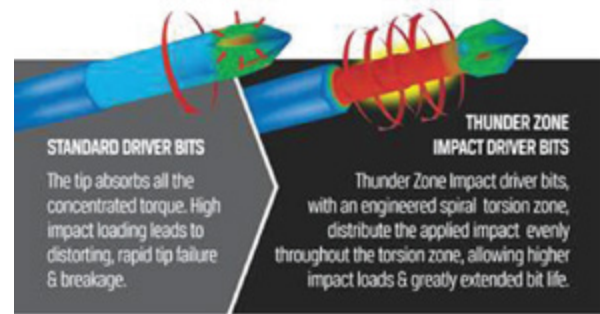
- 4 rivet end hook for extra strength on 8m and 10m tapes
- Double nylon coated matte finish blade for abrasion resistance
- Rubber sides and grip for comfortable use
- Extra thick blade material for superior life
- Fully graduated millimetre markings on 8m and 10m to limit 100mm syndrome
- Thickened true zero end hook to maintain accuracy

Description	Nuton Metres	Torx	Part #
Industrial 8m Tape	1.4	T9	9-500



# Thunderzone Screwdriver Bits

- Smart head design
- Greater magnetism and optimum hardness showing less wear and have a longer service life
- Experience less cam-out
- Overall improved operational and economic benefits
- Round shanks that are designed to leave no marks if the shanks come into contact with the product



## Thunderzone Screwdriver Bits Philips

- Sold in packs of 10



Product Name	Part #
Pack (10) Phillips Thunderzone Impact Driver 1 x 50mm	13-6100
Pack (10) Phillips Thunderzone Impact Driver 2 x 50mm	13-6104
Pack (10) Phillips Thunderzone Power Bit No 2 x 100mm	13-6108
Pack (10) Phillips Thunderzone Impact Driver 2 x 150mm	13-6110

## Thunderzone Screwdriver Bits Pozi

- Sold in packs of 10



Product Name	Part #
(Pack 10) Pozi Thunderzone Screwdriver Bits Pozi 1 x 50mm	13-6112
(Pack 10) Pozi Thunderzone Screwdriver Bits Pozi 1 x 90mm	13-6114
(Pack 10) Pozi Thunderzone Screwdriver Bits Pozi 2 x 25mm	13-6116
Pack (10) Pozi Thunderzone Screwdriver Bits Pozi 2 x 50mm	13-6120
(Pack 10) Pozi Thunderzone Screwdriver Bits Pozi 2 x 90mm	13-6122

## Square Thunderzone Screwdriver Bits

- Sold in packs of 10



Product Name	Part #
Pack (10) Square Thunderzone Impact Driver 1 x 50mm	13-6124
Pack (10) Square Thunderstone Impact Driver 2 x 50mm	13-6132
Pack (10) Square Thunderzone Impact Driver 2 x 75mm	13-6130
Pack (10) Square Thunderzone Impact Driver 1 x 90mm	13-6128
Pack (10) Square Thunderzone Impact Driver 2 x 90mm	13-6136
Pack (10) Square Thunderzone Impact Driver 2 x 100mm	13-6140
Pack (10) Square Thunderzone Impact Driver 2 x 150mm	13-6144



## Outer Space

**Manufacturer:** RocketLab  
**Location:** Auckland  
**Drill of choice:** HP Blind Drill



## Commercial

**Manufacturer:** Future Products Group  
**Location:** Napier  
**Cutter of choice:** MaxLife Compression Cutter





## Racing Yachts

Manufacturer: Team NZ

Location: Auckland

Cutter of choice: Chipbreaker Compression Cutter



## International Wind Farms

Manufacturer: Gurit

Location: Albany

Cutter of choice: HP Composite Burr

# CUTTING-EDGE SERVICE. SPOT-ON SOLUTIONS. SHARPER RESULTS.



Next working day delivery on all stocked items



Backed by 30 years' global industry experience



State-of-the-art, superior products



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**Creating  
sharper  
results**