



K2 Coated Carbide

K2 coating is the next generation of performance coatings from YG-1. It provides improved heat resistance compared to TiALN and TiCN coatings, leading to improved performance and increased tool life.

K2 Carbide is made from micrograin solid carbide and is recommended for general purpose machining of all steels and cast iron up to 45 Rockwell. It is also suitable for machining stainless steel, exotics, aluminium and plastics.

Performance from K2 coated carbide is higher than uncoated carbide, Tank Power and HSSE and we recommend it as first choice for general purpose machining with solid carbide.

For ultra high performance please try Jet Power, V7 or X-Power.

Size Range

1 mm to 25 mm.

Coatings

K2.



G9424, G9425, G9432	2, 3 + 4 Flute Standard Length	42	
G9553, G9410	3 Flute Throwaway	42	
G9445	2 Flute Long Length	43	
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G9438	2 Flute Long Ball Nosed	46	
G9454	2 Flute Long Reach Ball Nosed	46	



CUTWEL RECOMMENDS

X-Power ... for ultimate performance.
Please see pages 56 - 71.

- Same day despatch until 6 pm
- Next day delivery
- 10,000 lines ex-stock
- Pre-discounted prices



can't find what
you're looking for?
see our index
at the back!



BRIGHT IDEAS!

Tool not performing well
or lasting long enough?
Please phone for technical advice
and let us solve your problem



Standard Length

2, 3 & 4 FLUTE STANDARD LENGTH K2 COATED CARBIDE PLAIN SHANK



Dia	Shank	Flute Length	Overall Length	2 Flute	3 Flute	4 Flute	2007 £
1.0	4	3	40	G9424010	G9425010	G9432010	7.04
1.5	4	4.5	40	G9424015	G9425015	-	6.77
2.0	2	8	32	G9424020	G9425020	G9432020	5.82
2.5	2.5	8	32	-	G9425025	-	5.82
3.0	3	12	32	G9424030	G9425030	G9432030	5.82
3.5	3.5	12	32	-	G9425035	-	6.50
4.0	4	12	40	G9424040	G9425040	G9432040	6.50
4.5	4.5	14	50	-	G9425045	-	6.81
5.0	5	14	50	G9424050	G9425050	G9432050	6.81
5.5	5.5	16	50	-	G9425055	-	7.55
6.0	6	16	50	G9424060	G9425060	G9432060	7.55
7.0	7	20	60	-	G9425070	G9432070	10.11
8.0	8	20	60	G9424080	G9425080	G9432080	12.20
9.0	9	20	60	-	G9425090	G9432090	16.53
10.0	10	22	70	G9424100	G9425100	G9432100	16.56
12.0	12	22	70	G9424120	G9425120	G9432120	22.25
14.0	14	25	75	-	G9425140	-	28.98
16.0	16	25	75	G9424160	G9425160	G9432160	38.30
20.0	20	32	100	G9424200	G9425200	G9432200	64.69



Throw Aways

3 FLUTE THROWAWAY K2 COATED CARBIDE FLAT SHANK



Dia	Shank	Flute Length	Overall Length	3 Flute Flat Shank	2007 £
0.5	•3	1.5	38	G9553005	7.04
0.6	•3	1.5	38	G9553006	7.04
0.8	•3	2	38	G9553008	6.19
1.0	•3	2	38	G9553010	5.64
1.5	•3	2	38	G9553015	5.64
2.0	6	4	35	G9410020	6.16
2.5	6	5	36	G9410025	6.40
3.0	6	5	36	G9410030	6.16
4.0	6	7	38	G9410040	6.16
5.0	6	8	39	G9410050	6.16
6.0	6	8	39	G9410060	6.16
8.0	8	11	43	G9410080	8.95
10.0	10	13	50	G9410100	13.41
12.0	12	15	55	G9410120	15.93
16.0	16	18	62	G9410160	27.89
20.0	20	22	75	G9410200	45.31

• Plain Shank



CENTRE CUTTING

All the YG-1 milling cutters are centre cutting up to 25 mm



For general purpose machining of all metals up to 45 Rockwell

Long Length

2 FLUTE
LONG LENGTH
K2 COATED
FLAT SHANK



Dia	Shank	Flute Length	Overall Length	2 Flute	2007 £
2.0	*3	6	38	G9445901	5.82
3.0	6	7	57	G9445030	9.70
4.0	6	8	57	G9445040	9.70
5.0	6	10	57	G9445050	9.70
6.0	6	10	57	G9445060	9.70
8.0	8	16	63	G9445080	12.16
10.0	10	19	72	G9445100	18.61
12.0	12	22	83	G9445120	23.07
16.0	16	26	92	G9445160	45.85
20.0	20	32	104	G9445200	75.41

* Plain Shank

45° Helix/Long Length

3 FLUTE 45° HELIX
LONG LENGTH
K2 COATED CARBIDE
FLAT SHANK



Dia	Shank	Flute Length	Overall Length	3 Flute Flat Shank	2007 £
3.0	6	7	57	G9447030	10.21
4.0	6	8	57	G9447040	10.21
5.0	6	10	57	G9447050	10.21
6.0	6	10	57	G9447060	10.21
8.0	8	16	63	G9447080	12.53
10.0	10	19	72	G9447100	19.67
12.0	12	22	83	G9447120	28.37
16.0	16	26	92	G9447160	48.00
18.0	18	26	92	G9447180	62.89
20.0	20	32	104	G9447200	75.75

- Longer tool life
- Increased speeds and feeds
- The next generation of performance coatings

Rough and finish with one tool
... the V7 Mill (see pages 51 - 52)



BRIGHT IDEAS!

Using milling cutters
above 16 mm?
Indexable milling cutters
will save you money and
increase your performance.





Long Length

4 FLUTE LONG LENGTH K2 COATED FLAT SHANK



Dia	Shank	Flute Length	Overall Length	4 Flute Flat Shank	2007 £
2.0	+3	7	38	G9449901	5.82
3.0	6	8	57	G9449030	10.06
4.0	6	11	57	G9449040	10.44
5.0	6	13	57	G9449050	10.44
6.0	6	13	57	G9449060	10.44
8.0	8	19	63	G9449080	12.66
10.0	10	22	72	G9449100	19.29
12.0	12	26	83	G9449120	27.98
16.0	16	32	92	G9449160	49.64
20.0	20	38	104	G9449200	79.19

• Plain Shank



Extra Long Length

2 & 4 FLUTE EXTRA LONG LENGTH K2 COATED CARBIDE PLAIN SHANK



Dia	Shank	Flute Length	Overall Length	2 Flute	4 Flute	2007 £
3.0	3	20	60	G9452903	G9453903	10.59
4.0	4	20	60	G9452904	G9453904	11.14
5.0	5	25	75	G9452905	G9453905	12.94
6.0	6	30	75	G9452906	G9453906	14.08
8.0	8	30	75	G9452908	G9453908	20.89
10.0	10	40	100	G9452910	G9453910	26.85
12.0	12	45	100	G9452912	G9453912	40.60



CENTRE CUTTING

All the YG-1 milling cutters are centre cutting up to 25 mm

For general purpose machining of all metals up to 45 Rockwell



BRIGHT IDEAS!

Tool not performing well
or lasting long enough?
Please phone for technical advice
and let us solve your problem



CUTWEL RECOMMENDS

Alu Power for aluminium
machining (see pages 72 - 77)

Standard Length Rippers

MULTI FLUTE RIPPER CUTTERS
STANDARD LENGTH
K2 COATED CARBIDE
FLAT SHANK



Dia	Shank	Flute Length	Overall Length	No. of Flutes	Flat Shank	2007 £
6.0	6	16	57	3	G9A42060	16.15
8.0	8	16	63	3	G9A42080	19.61
10.0	10	22	72	4	G9A42100	25.36
12.0	12	26	83	4	G9A42120	33.90
14.0	14	26	83	4	G9A42140	43.26
16.0	16	32	92	4	G9A42160	54.75
18.0	18	32	92	4	G9A42180	65.21
20.0	20	38	104	4	G9A42200	67.28
25.0	25	45	121	5	G9A42250	146.17



Standard Length Ball Nosed

2 & 4 FLUTE BALL NOSED
STANDARD LENGTH
K2 COATED CARBIDE
PLAIN SHANK



Dia	Shank	Flute Length	Overall Length	2 Flute	4 Flute	2007 £
2.0	6	4	48	G9624020	G9634020	7.78
3.0	6	4	48	G9624030	G9634030	7.78
4.0	6	6	50	G9624040	G9634040	8.14
5.0	6	7	51	G9624050	G9634050	8.45
6.0	6	7	51	G9624060	G9634060	9.18
8.0	8	9	59	G9624080	G9634080	14.25
10.0	10	10	60	G9624100	G9634100	22.76
12.0	12	14	71	G9624120	G9634120	29.23
16.0	16	16	76	G9624160	G9634160	46.04
20.0	20	20	82	G9624200	G9634200	70.92



CENTRE CUTTING

All the YG-1 milling cutters are centre cutting up to 25 mm



X-POWER ... for high speed machining of all materials and high hardened steels (see pages 56 - 71).



BRIGHT IDEAS!

Speeds and feeds
Please phone for a technical catalogue ... your tools will last much longer at the optimum cutting conditions





Long Length Ball Nosed

2 FLUTE BALL NOSED
LONG LENGTH
K2 COATED CARBIDE
FLAT SHANK



Dia	Shank	Flute Length	Overall Length	2 Flute Flat Shank	2007 £
2.0	*3	6	38	G9438020	7.36
3.0	6	7	57	G9438030	9.76
4.0	6	8	57	G9438040	9.76
5.0	6	10	57	G9438050	10.16
6.0	6	10	57	G9438060	11.04
8.0	8	16	63	G9438080	18.61
10.0	10	19	72	G9438100	30.11
12.0	12	22	83	G9438120	38.75

* Plain Shank



Long Reach Ball Nosed

2 FLUTE BALL NOSED
LONG REACH
K2 COATED CARBIDE
FLAT SHANK



Dia	Shank	Flute Length	Overall Length	EDP No. Plain Shank	2007 £
3.0	3	5	75	G9454030	10.47
4.0	4	8	75	G9454040	10.47
5.0	5	9	75	G9454050	11.43
6.0	6	10	100	G9454060	12.99
8.0	8	12	100	G9454080	19.58
10.0	10	14	100	G9454100	33.06
12.0	12	16	100	G9454120	42.32

- Longer tool life
- Increased speeds and feeds
- The next generation of performance coatings



For general purpose machining of all metals up to 45 Rockwell



CUTWEL RECOMMENDS

Jet Power for stainless and exotics (see pages 48 - 52)



ALPHA MILL

Pages
96 - 101



FUTURE MILL

Pages
102 - 105



FMR TOOL

Pages
106 - 111



HRM TOOL

Pages
112 - 115



LASER MILL

Pages
116 - 119



PRO X MILL

Pages
120 - 123

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