cutwel

2026 SPECIAL SELECTION

CARBIDE MILLING CUTTERS

P H M S K N

- UK STOCK WITH 95%+ AVAILABILITY
- GENERAL TO ULTRA-HIGH PERFORMANCE MILLING
- EXTENSIVE RANGE OF DIAMETERS, LENGTHS & GEOMETRIES
- PERFORMANCE DRIVEN SOLUTIONS FOR HIGHER PRODUCTIVITY
- EXPERT TECHNICAL GUIDANCE WHEN YOU NEED IT

YG

*Promotional pricing valid until 30.06.2026

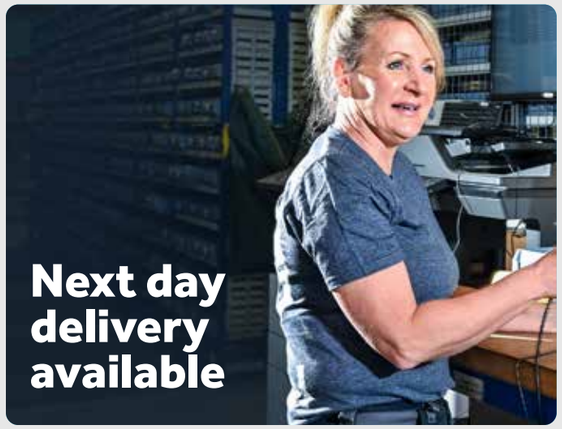
03330 389849 SALES@CUTWEL.NET CUTWEL.CO.UK

Quick, accurate tooling solutions to boost your productivity

We invest in rigorous training so that our customer services team and time-served technical engineers can answer your queries and provide tailored solutions quickly and accurately, to save you time.

Whether you need over the phone recommendations, in-depth drawings, advice on how you can improve productivity or face to face support, we will give you independent advice on what is right for you and your project.

- **Fast, accurate guidance from trained tooling specialists**
- **Application-led recommendations tailored to your machining needs**
- **Expert insight that gives you clarity and confidence in every tooling decision**



Carbide Rippers

Low cutting loads combined with high metal removal rates.

P H M S K

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HPC Milling

High metal removal & anti-vibration milling.

P M S K

Page 14-23

HSC & General Milling

High speed & general milling applications.

P H M S K

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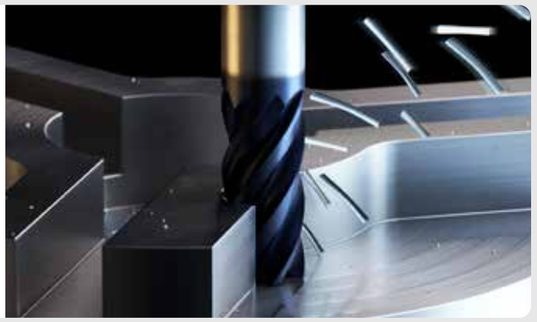

Non-Ferrous Milling

Cut faster with cleaner, controlled swarf removal.

N

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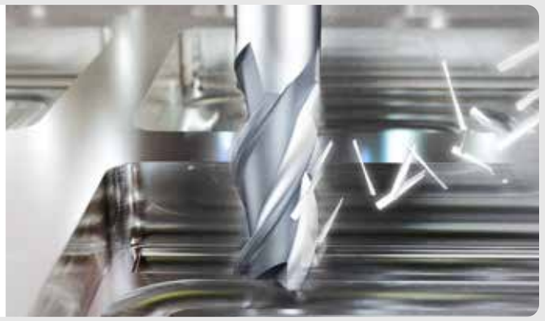


Form Milling

Reliable chamfering, engraving, corner rounding & more.

P M S K N

Page 80-87

As your principal supplier for precision cutting tools, YG-1 brings:

- Proven global performance and precision engineering
- A partner committed to innovation and ongoing improvement
- Broad product range covering milling, drilling, threading and turning
- Products engineered for durability, high-feed machining and challenging materials
- Cutting edge R&D to raise the standards of performance, reliability & productivity

By choosing YG-1, our distribution network offers you world-class tools that boost productivity, optimise processes and ensure quality across every application.

Founded in 1981, YG-1 has developed into one of the world's most trusted and recognised manufacturers of high performance cutting tools.

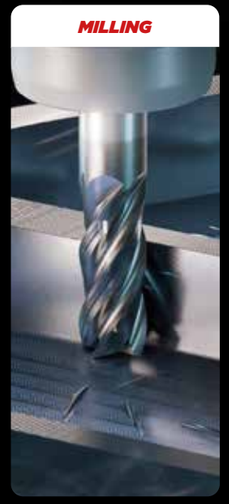
With a foundation built on exceptional people, advanced technology and end users at the forefront, YG-1 creates products and services that customers rely on to maximise productivity and precision in machining applications across industries.

From its headquarters in Incheon, South Korea, YG-1 operates a comprehensive global network with numerous production facilities and sales offices, supplying tooling solutions to customers in every industry.

Established in
1981

Overseas Subsidiaries
30

Production Plants
15



Ho-Keun Song — CEO & Founder

Ho-Keun Song's leadership philosophy centres on challenge, quality and global engagement. Meeting customers face-to-face across continents, Song champions hands-on involvement in product development and plant operations, driving YG-1's strategy and growth on the world stage.

Under his guidance, YG-1 has expanded into more than 70 countries and become recognised as one of the top five cutting tool brands globally, while maintaining its position as Korea's leading tooling manufacturer.

GP — **General Purpose**
Suitable for a wide range of materials in general cutting conditions

HPC — **High Performance Cutting**
Machining with large depths of cut & aggressive feed rates

HSC — **High Speed Cutting**
Machining at high RPM with small depths of cut

Product Range	Brand	Coating or Finish	General Purpose	Ripper	HPC	HSC	Non Ferrous
K2 CARBIDE	YG	K2	●	●			
V7 PLUS HPC	YG	Y1200			●	●	
TITANOX	YG	Y1200		●	●		
4G MILLS	YG	Y1200				●	
X-POWER PRO	YG	Y Coating		●		●	
X-SPEED ROUGHER	YG	X1100		●			
JET POWER	YG	TiAlN 850		●		●	
X5070	YG	X5070 (Silicon Based)				●	
EV MILLS	YG	Y Coating			●		
ALU POWER	YG	Uncoated (Lapped)		●			●
ALU POWER HPC	YG	Uncoated & DLC Coated (Lapped)					●
PLASTIC-CUT	Karnasch Professional Tools	Uncoated (Lapped)					●
A+	KORLOY	Uncoated (Lapped)					●

MATERIAL APPLICATION

Application within a range may vary, please check the table on each product page.

● **EXCELLENT** - For this material or application
○ **GOOD** - For this material or application
◉ **SELECTED** - Some tools in the range are suitable for this material or application

Product Range	Carbon Steels ~HB225	Alloy Steels HB225~325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Hardened Steels HRC45~55	High Hard. Steels HRC55~70	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron	Copper	Aluminium	Graphite	Plastic	Composites CFRP/GFRP
K2 CARBIDE	●	●	●	○			●		○	●	○	○			
V7 PLUS HPC	●	●	●				●	●	●	●					
TITANOX	○	○	○				●	●	○						
4G MILLS	●	●	●	●	○		◉			○					
X-POWER PRO	○	●	●	●	○		○			●					
X-SPEED ROUGHER	●	●	●	○						●					
JET POWER	○	●	●	○			●	●	◉						
X5070			○	●	●	●	○								
EV MILLS	●	●	●				●	●	●	●					
ALU POWER										●	●			○	
ALU POWER HPC											●	●		○	
PLASTIC-CUT											○	○		●	
A+											●	●		○	

P H M S K

CARBIDE RIPPERS

Why use Rippers over HPC mills for roughing operations?

When roughing with ripper cutters, only 50% of the tool is engaged with the workpiece at any one time. This lowers the cutting load and is more friendly on the machine tool spindle.

HPC variable helix end mills can offer higher metal removal rates compared to rippers, but this can come at the expense of spindle wear. Rippers can also offer better chip control.

CARBIDE RIPPERS HIGHLIGHTS

YG X-SPEED ROUGHER

Heavy roughing is faster, quieter and more controlled with the cutting power of the X-Speed Rougher.

P H K

YG K-2

General machining stays consistent and predictable with the reliability of K2 Coated Carbide.

P H M K

YG TitaNox

Titanox speeds up production in titanium and sticky stainless by maintaining controlled chip flow, preventing premature tool failure.

P M S

YG X-POWER PRO

Reliable, durable & tough, X-Power Pro is the perfect choice for hardened steels in medium or high speed machining.

P H

YG JET-POWER

Stainless & heat resistant alloys machine cleanly and predictably with the superior performance of Jet Power.

P M S

CARBIDE RIPPERS

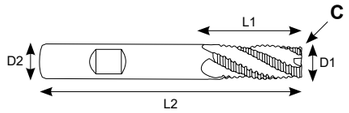
YG K-2

General Purpose

GENERAL PURPOSE CARBIDE COARSE PITCH RIPPER

For General Purpose Milling of Steel <HRC45, Cast Iron & Stainless Steel

- Designed for general purpose roughing applications
- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Chamfer corner prep prevents tool chipping



MG SC | 3-5 | 30° | COARSE | DIN 6535HB | C x 45° | X COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Stainless Steel	Cast Iron
●	●	●	○	●

D1	D2	L1	L2	Chamfer Prep	No. of Flutes	Order Code	List Price	Offer Price
6	6	16	57	0.6	3	G9A42060	£28.19	£22.55
8	8	16	63	0.6		G9A42080	£31.23	£24.98
10	10	22	72	0.6	4	G9A42100	£50.35	£40.28
12	12	26	83	0.74		G9A42120	£68.38	£54.70
14	14	26	83	0.94		G9A42140	£83.56	£66.84
16	16	32	92	0.94		G9A42160	£106.55	£85.24
18	18	32	92	0.94		G9A42180	£142.00	£113.60
20	20	38	104	0.94		G9A42200	£161.80	£129.44
25	25	45	121	0.94	5	G9A42250	£345.06	£276.05

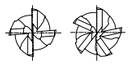
YG X-SPEED ROUGHER

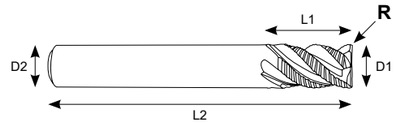
High Performance

4 & 5 FLUTE VARIABLE HELIX CARBIDE RIPPER

Nothing Removes Steel Faster, Quieter or For Longer!

- Special variable pitch profile reduces cutting force and stress on your machine spindle at high feed rates & large depth of cut. Nothing rips out steel faster than X-Speed!
- Micrograin carbide with special X1100 coating
- HPC = High performance cutting
- Strong end tooth design for ramping and pocket milling
- Recommended for use with a high performance holder for best tool life & rigidity





MG SC | 4&5 | 44°~45° | VAR | PLAIN | WELDON | X1100 COATED | HPC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Cast Iron
●	●	●	●

D1	R	D2	L1	L2	No. of Flutes	Order Code: Plain Shank	Order Code: Weldon Shank	List Price	Offer Price
6	0.5	6	9	57	4	G9D75060	G9D67060	£47.99	£38.39
			12			G9D76060	G9D68060	£51.83	£41.46
8	0.5	8	12	63		G9D75080	G9D67080	£54.67	£43.74
			16			G9D76080	G9D68080	£59.11	£47.29
10	0.5	10	15	72		G9D75100	G9D67100	£80.84	£64.67
			20			G9D76100	G9D68100	£87.48	£69.98
12	0.5	12	18	83		G9D75120	G9D67120	£113.65	£90.92
			24			G9D76120	G9D68120	£127.18	£101.74
16	1	16	24	92	5	G9D75160	G9D67160	£162.35	£129.88
			32			G9D76160	G9D68160	£179.21	£143.37
20	1	20	30	104		G9D75200	G9D67200	£262.12	£209.69
			40			G9D76200	G9D68200	£289.93	£231.95

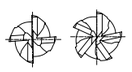
YG X-SPEED ROUGHER

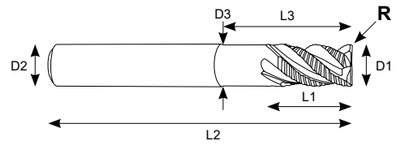
High Performance

4 & 5 FLUTE VARIABLE HELIX CARBIDE RIPPER NECKED

Nothing Removes Steel Faster, Quieter or For Longer!

- Special variable pitch profile reduces cutting force and stress on your machine spindle at high feed rates & large depth of cut. Nothing rips out steel faster than X-Speed!
- Micrograin carbide with special X1100 coating
- HPC = High performance cutting
- Strong end tooth design for ramping and pocket milling
- Recommended for use with high performance holder for best tool life & rigidity





MG SC | 4&5 | 44°~45° | VAR | PLAIN | WELDON | X1100 COATED | HPC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Cast Iron
●	●	●	●

D1	R	D2	D3	L1	L2	L3	No. of Flutes	Order Code: Plain Shank	Order Code: Weldon Shank	List Price	Offer Price
6	0.5	6	5.7	9	57	18	4	G9D77060	G9D69060	£50.97	£40.77
8		8	7.7	12	63	24		G9D77080	G9D69080	£57.67	£46.14
10		10	9.7	15	72	30		G9D77100	G9D69100	£85.05	£68.04
12		12	11.7	18	83	36		G9D77120	G9D69120	£118.87	£95.09
16	1	16	15.7	24	100	48	5	G9D77160	G9D69160	£168.87	£135.10
20		20	19.7	30	110	60		G9D77200	G9D69200	£329.05	£263.24

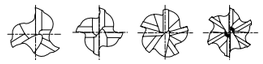
YG JET-POWER

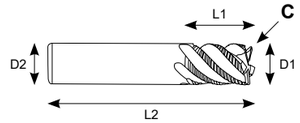
High Performance

3-6 FLUTE FINE PITCH RIPPER, 45° HELIX

High Performance Machining of Stainless Steel, Titanium, Hastelloy & Inconel

- Ideal for high performance roughing of stainless steels, titanium, inconel & also suitable for soft to medium hardness steels
- The 45° geometry and deep flute pockets give excellent chip cotrol in sticky materials
- TiAlN coated ultrafine micrograin carbide
- HSC = Suitable for high speed machining
- High chip removal and minimising breakages of cutting edges





MG SC | 3-6 | 45° | FINE | PLAIN | WELDON | C x 45° | TiAlN 850 | HSC

Alloy Steels HB225-325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium
○	○	●	●

D1	D2	L1	L2	No. of Flutes	C	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
4	6	11	57	3	0.10	EH919040	EH920040	£42.74	£36.33
5	6	13	57	4	0.13	EH919050	EH920050	£42.74	£36.33
6	6	7	54		0.15	EH917060	EH918060	£39.77	£33.80
		16	57			EH919060	EH920060	£42.74	£36.33
7	8	16	63			EH919070	EH920070	£49.94	£42.45
8	8	9	58		0.18	EH917080	EH918080	£46.51	£39.54
		16	63			EH919080	EH920080	£49.94	£42.45
9	10	19	72			EH919090	EH920090	£74.69	£63.49
10	10	14	66		0.20	EH917100	EH918100	£69.45	£59.03
		22	72			EH919100	EH920100	£74.69	£63.49
12	12	16	73			EH917120	EH918120	£89.10	£75.74
		26	83			EH919120	EH920120	£95.95	£81.56
14	14	26	83	5	0.20	EH919140	EH920140	£116.35	£98.90
16	16	22	82			EH917160	EH918160	£145.30	£123.51
		32	92			EH919160	EH920160	£156.28	£132.84
20	20	26	92	6	0.20	EH917200	EH918200	£233.92	£198.83
		38	104			EH919200	EH920200	£251.51	£213.78
25	25	45	121			EH919250	EH920250	£440.94	£374.80

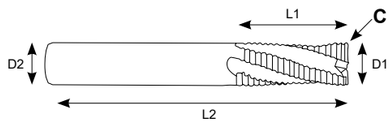
YG X-POWER PRO

High Performance

3 & 4 FLUTE FINE PITCH RIPPER, 20° HELIX

Dedicated Design for Hardened Steel Roughing <HRC60

- Y coated ultrafine micrograin carbide
- Dry or wet cutting
- 20° helix gives highest strength in hard steel roughing



MG SC | 3&4 | 20° | FINE | PLAIN | C x 45° | Y COATED | HSC

Alloy Steels HB225-325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-60
●	●	●

D1	D2	L1	L2	C	No. of Flutes	Order Code	List Price	Offer Price
6	6	16	57	0.38	3	GM814060	£45.37	£36.29
8	8	16	63			GM814080	£53.01	£42.41
10	10	22	72	0.6	4	GM814100	£79.28	£63.42
12	12	26	83			GM814120	£101.86	£81.49
16	16	32	92			GM814160	£165.86	£132.69
20	20	38	104			GM814200	£266.91	£213.53

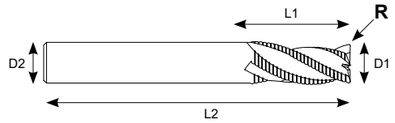
YG TitaNox

High Performance

5 FLUTE FINE PITCH RIPPER, 40° HELIX

Exceptional Metal Removal Rates on Titanium, Hastelloy, Stainless Steel & Inconel

- TiAlN coated micrograin carbide
- HPC = High performance cutting
- Optimised flute design for chip evacuation and rigidity when machining difficult-to-cut materials
- Special roughing profile for stainless steel and titanium
- Corner protection from chipping



MG SC | 5 | 40° | FINE | PLAIN | WELDON | TiAlN COATED | HPC

Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium	HRSA's e.g. Inconel
○	○	●	●	●

D1	R	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	0.2	6	16	57	EHE54060	EHE55060	£57.49	£48.86
8		8	16	63	EHE54080	EHE55080	£69.36	£58.96
10	0.3	10	22	72	EHE54100	EHE55100	£98.34	£83.59
12		12	26	83	EHE54120	EHE55120	£123.49	£104.97
14		14	26	83	EHE54140	EHE55140	£149.85	£127.37
16		16	32	92	EHE54160	EHE55160	£200.67	£170.57
20		20	38	104	EHE54200	EHE55200	£323.35	£274.85
25		25	45	121	EHE54250	EHE55250	£566.91	£481.88

CARBIDE RIPPERS

P M S K

HPC MILLING

High metal removal & anti-vibration milling

3 Flute P 16
4 Flute P 17-22
5 Flute P 23

- 3-5 flute variable & multiple helix end mills
- For roughing & semi-finishing applications
- Exellent performance in steel <HRC40, stainless steel, titanium, inconel & cast iron machining
- Aggressive feed rates with large cut depths

HPC MILLING HIGHLIGHTS

YG EV MILLS

Stop paying for carbide you never use. EV Mills variable helix stub design reduce your costs on <1.2xD jobs.

P M S K

YG V7 Plus — 4 FLUTE

V7+ minimises vibration issues for stable, high-metal removal machining performance.

P M S K

YG TitaNox — 4 FLUTE

Titanox speeds up production in titanium and sticky stainless by maintaining controlled chip flow, preventing premature tool failure.

P M S

YG TitaNox — 5 FLUTE

Get the highest metal removal rates on stainless steel & exotics without compromising on tool life.

P M S

YG K-2 — MULTIPLE HELIX

Improve your productivity in general purpose milling with double the tool life & larger cut depths.

P M K

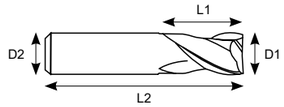
YG EV MILLS

High Performance

3 FLUTE VARIABLE HELIX CARBIDE END MILL (STUB LENGTH)

Economic High Performance Machining of Steels <HRC40, Stainless Steel, HRSA's, Cast Iron

- The EV Mill 3 flute geometry is a stub length high performance all-rounder with exceptional stability
- The 3 flute design enables better chip control in pocketing and slotting applications
- Featuring 1 edge to centre, ideal for plunging and ramping
- Variable and multiple helix + unequal flute spacing eliminates vibration
- Depth of cut slotting: 0.8xD Ap / side cutting: 0.5xD Ae X 1xD Ap



MG SC | 3 | 43°/45°/47° | PLAIN | WELDON | Y COATED | HPC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
2	6	4.5	38	GMK58020	GMK59020	£11.08	£9.42
3	6	5.5	38	GMK58030	GMK59030	£12.32	£10.47
4	6	7.5	38	GMK58040	GMK59040	£12.32	£10.47
5	6	9	38	GMK58050	GMK59050	£12.32	£10.47
6	6	9	38	GMK58060	GMK59060	£12.32	£10.47
8	8	12	43	GMK58080	GMK59080	£17.95	£15.26
10	10	14	50	GMK58100	GMK59100	£26.92	£22.88
12	12	16.5	55	GMK58120	GMK59120	£35.65	£30.30

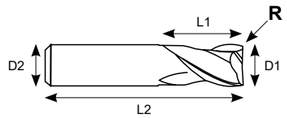
YG EV MILLS

High Performance

3 FLUTE VARIABLE HELIX CARBIDE END MILL (STUB LENGTH) KEYWAY MILL

Economic High Performance Machining of Steels <HRC40, Stainless Steel, HRSA's, Cast Iron

- Undersized end mills designed for keyway milling to DIN 6885 standard. Ramping, roughing, slotting & finishing with 1 tool
- The EV Mill 3 flute geometry is a stub length high performance all-rounder with exceptional stability
- The 3 flute design enables better chip control in pocketing and slotting applications
- Featuring 1 edge to centre, ideal for plunging and ramping
- Variable and multiple helix + unequal flute spacing eliminates vibration
- Depth of cut slotting: 0.8xD Ap / side cutting: 0.5xD Ae X 1xD Ap



MG SC | 3 | 43°/45°/47° | PLAIN | WELDON | Y COATED | HPC | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
1.8	0.12	6	4.5	38	GMK60018	GMK61018	£12.91	£10.97
2.8		6	5.5	38	GMK60028	GMK61028	£12.91	£10.97
3.8	0.2	6	7.5	38	GMK60038	GMK61038	£14.34	£12.19
4.8		6	9	38	GMK60048	GMK61048	£14.34	£12.19
5.75		6	9	38	GMK600575	GMK610575	£14.34	£12.19
7.75		8	12	43	GMK600775	GMK610775	£20.91	£17.77
9.7	0.33	10	14	50	GMK60097	GMK61097	£31.35	£26.65
11.7		12	16.5	55	GMK60117	GMK61117	£41.52	£35.29

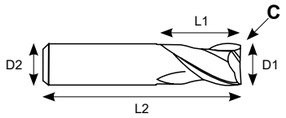
YG EV MILLS

High Performance

4 FLUTE VARIABLE HELIX CARBIDE END MILL (STUB LENGTH)

Economic High Performance Machining of Steels <HRC40, Stainless Steel, HRSA's, Cast Iron

- The EV Mill 4 flute geometry is a stub length high performance all-rounder with exceptional stability
- Featuring 2 edges to centre, ideal for plunging and ramping
- Variable and multiple helix + unequal flute spacing eliminates vibration
- Chamfer edge prep to protect against chipping
- Excellent performance in roughing and finishing applications
- Depth of cut slotting: 0.8xD Ap / side cutting: 0.5xD Ae X 1xD Ap



MG SC | 4 | 43°/45°/47° | PLAIN | WELDON | Y COATED | HPC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	C	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
2	6	4.5	38	0.1	GMK63020	GMK64020	£11.74	£9.98
3	6	5.5	38	0.1	GMK63030	GMK64030	£13.04	£11.08
4	6	7.5	38	0.15	GMK63040	GMK64040	£13.04	£11.08
5	6	9	38	0.15	GMK63050	GMK64050	£13.04	£11.08
6	6	9	38	0.2	GMK63060	GMK64060	£13.04	£11.08
8	8	12	43	0.2	GMK63080	GMK64080	£19.01	£16.16
10	10	14	50	0.3	GMK63100	GMK64100	£26.79	£22.77
12	12	16.5	55	0.35	GMK63120	GMK64120	£37.74	£32.08

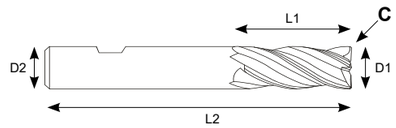
YG K-2

General Purpose

4 FLUTE MULTIPLE HELIX HPC CARBIDE END MILL (SEMI-RIPPER)

Vibration Free Milling, Medium-High Metal Removal Rates for Steel <HRC35, Stainless & Cast Iron

- Bridging the gap between general purpose and high performance machining
- Good cost/performance ratio
- Designed for vibration free semi-rough multi-material milling
- Multiple helix gives optimal chip formation and evacuation
- Suitable for slotting and profiling
- Chamfer corner prep prevents tool chipping
- Depth of cut slotting: 0.8xD Ap / side cutting: 0.3xD Ae X 1.5xD Ap



MG SC | 4 | M-Helix | WELDON | K2 COATED

Carbon & Alloy Steels <HRC35	Stainless Steel	Cast Iron
●	●	●

D1	D2	L1	L2	C	Order Code	List Price	Offer Price
3	6	5	50	0.1	G9H74030N	£16.83	£13.47
		8	57		G9H76030N	£17.57	£14.06
4	6	8	54	0.15	G9H74040N	£16.83	£13.47
		11	57		G9H76040N	£17.57	£14.06
5	6	9	54	0.15	G9H74050N	£16.83	£13.47
		13	57		G9H76050N	£17.57	£14.06
6	6	10	54	0.2	G9H74060N	£16.83	£13.47
		13	57		G9H76060N	£17.57	£14.06
8	8	12	58	0.2	G9H74080N	£24.10	£19.28
		19	63		G9H76080N	£25.18	£20.14
10	10	14	66	0.3	G9H74100N	£37.31	£29.85
		22	72		G9H76100N	£41.93	£33.54
12	12	16	73	0.35	G9H74120N	£51.25	£41.00
		26	83		G9H76120N	£53.62	£42.90
16	16	22	82	0.4	G9H74160N	£98.42	£78.74
		32	92		G9H76160N	£101.30	£81.04
20	20	26	92	0.5	G9H74200N	£158.07	£126.46
		38	104		G9H76200N	£195.45	£156.36

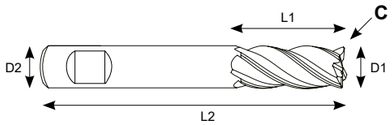
YG V7 Plus

High Performance

4 FLUTE MULTIPLE HELIX HPC CARBIDE END MILL

HPC High Metal All-Rounder End Mill - For Steel <HRC40, Stainless Steel, HRSA's & Cast Iron

- V7+ offers exceptional metal removal rates and tool life across a wide range of metals
- Y1200 coated ultrafine micrograin carbide
- Chamfer corner protection to prevent against tool chipping
- Special flute geometry and multiple helix eliminates vibration
- Unequal flute spacing reduces harmonics
- Depth of cut slotting: 1xD Ap / side cutting: 0.5xD Ae X 1.5xD Ap



MG SC | 4 | 35°/37° | PLAIN | WELDON | C x 45° | Y1200 COATED | HPC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	C	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
3	6	7	54	0.1	GMF52030	GMF53030	£19.86	£16.88
		8	57		GMF56030	GMF57030	£20.74	£17.63
4	6	8	54	0.15	GMF52040	GMF53040	£19.86	£16.88
		11	57		GMF56040	GMF57040	£20.74	£17.63
5	6	10	54	0.15	GMF52050	GMF53050	£19.86	£16.88
		13	57		GMF56050	GMF57050	£20.74	£17.63
6	6	10	54	0.2	GMF52060	GMF53060	£19.86	£16.88
		13	57		GMF56060	GMF57060	£20.74	£17.63
8	8	12	58	0.2	GMF52080	GMF53080	£28.07	£23.86
		19	63		GMF56080	GMF57080	£29.34	£24.94
10	10	14	66	0.3	GMF52100	GMF53100	£41.72	£35.47
		22	72		GMF56100	GMF57100	£46.89	£39.86
12	12	16	73	0.35	GMF52120	GMF53120	£61.12	£51.95
		26	83		GMF56120	GMF57120	£63.95	£54.36
14	14	18	75	0.4	GMF52140	GMF53140	£85.51	£72.68
		26	83		GMF56140	GMF57140	£93.08	£79.12
16	16	22	82	0.4	GMF52160	GMF53160	£100.81	£85.69
		32	92		GMF56160	GMF57160	£103.77	£88.20
18	18	24	84	0.5	GMF52180	GMF53180	£145.75	£123.88
		32	92		GMF56180	GMF57180	£147.66	£125.51
20	20	26	92	0.5	GMF52200	GMF53200	£148.78	£126.46
		38	104		GMF56200	GMF57200	£183.94	£156.35
25	25	38	104	0.5	GMF56250	GMF57250	£258.82	£220.00

HPC MILLING

MULTIPLE HELIX DESIGN

The multiple helix design gives the end mill extra strength in both semi-roughing and finishing conditions, enabling heavier cutting and reducing vibration. The reduced vibration increases tool life and improves surface finish.

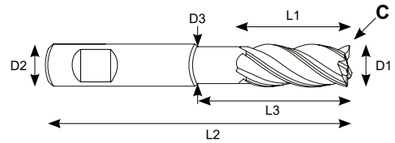
YG V7 Plus

High Performance

4 FLUTE MULTIPLE HELIX HPC CARBIDE NECKED END MILL

HPC High Metal All-Rounder End Mill - For Steel <HRC40, Stainless Steel, HRSA's & Cast Iron

- V7+ offers exceptional metal removal rates and tool life across a wide range of metals in roughing & finishing applications
- Y1200 coated ultrafine micrograin carbide
- Chamfer corner protection to prevent against tool chipping
- Special flute geometry and multiple helix eliminates vibration
- Unequal flute spacing reduces harmonics
- Depth of cut slotting: 1xD Ap / side cutting: 0.5xD Ae X 1.5xD Ap



MG SC | 4 | 35°/37° | PLAIN | WELDON | C x 45° | Y1200 COATED | HPC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	D2	D3	L1	L2	L3	C	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
3	6	2.7	7	54	12	0.1	GMF60030	GMF61030	£20.74	£17.63
			7	57	17		GMF60901	GMF61901	£20.74	£17.63
			8	57	14		GMF60902	GMF61902	£20.74	£17.63
4	6	3.7	8	57	15	0.15	GMF60040	GMF61040	£20.74	£17.63
			8	63	22		GMF60903	GMF61903	£20.74	£17.63
			11	57	16		GMF60904	GMF61904	£20.74	£17.63
5	6	4.7	10	57	17	0.15	GMF60050	GMF61050	£20.74	£17.63
			10	67	27		GMF60905	GMF61905	£20.74	£17.63
			13	57	18		GMF60906	GMF61906	£20.74	£17.63
6	6	5.5	10	57	15	0.2	GMF60060	GMF61060	£20.74	£17.63
			10	62	20		GMF60907	GMF61907	£20.74	£17.63
			10	74	32		GMF60908	GMF61908	£20.74	£17.63
			13	57	21		GMF60909	GMF61909	£20.74	£17.63
8	8	7.5	12	63	20	0.2	GMF60080	GMF61080	£29.34	£24.94
			12	73	30		GMF60910	GMF61910	£29.34	£24.94
			12	90	46		GMF60911	GMF61911	£31.85	£27.07
			19	63	27		GMF60912	GMF61912	£29.34	£24.94
10	10	9.2	14	72	25	0.3	GMF60100	GMF61100	£46.89	£39.86
			14	82	35		GMF60913	GMF61913	£46.89	£39.86
			14	102	55		GMF60914	GMF61914	£49.23	£41.85
			22	72	32		GMF60915	GMF61915	£46.89	£39.86
12	12	11	16	83	30	0.35	GMF60120	GMF61120	£63.95	£54.36
			16	93	40		GMF60916	GMF61916	£63.95	£54.36
			16	117	64		GMF60917	GMF61917	£82.60	£70.21
			26	83	38		GMF60918	GMF61918	£63.95	£54.36
16	16	15	22	92	38	0.4	GMF60160	GMF61160	£121.35	£103.15
			22	109	55		GMF60919	GMF61919	£121.35	£103.15
			22	141	87		GMF60920	GMF61920	£130.25	£110.71
			32	92	44		GMF60921	GMF61921	£103.77	£88.20
20	20	19	26	104	50	0.5	GMF60200	GMF61200	£159.70	£135.74
			26	124	70		GMF60922	GMF61922	£206.15	£175.22
			26	164	110		GMF60923	GMF61923	£241.72	£205.46
			38	104	54		GMF60924	GMF61924	£183.94	£156.35

HPC MILLING

MULTIPLE HELIX DESIGN

The multiple helix design gives the end mill extra strength in both semi-roughing and finishing conditions, enabling heavier cutting and reducing vibration. The reduced vibration increases tool life and improves surface finish.

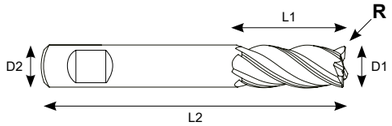
YG V7 Plus

High Performance

4 FLUTE CORNER RADIUS, MULTIPLE HELIX

Excellent on Stainless Steel, HRSA's, Cast Iron & Mild Steel <HRC40

- Y1200 coated ultrafine micrograin carbide
- HPC = High performance cutting
- Special flute geometry and multiple helix eliminates vibration
- Unequal flute spacing reduces harmonics
- Depth of cut slotting: 1xD Ap / side cutting: 0.5xD Ae X 1.5xD Ap



MG SC | 4 | 35°/37° | PLAIN | WELDON | Y1200 COATED | HPC | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
3	0.3	6	7	54	GMF54030	GMF55030	£23.89	£20.31
	0.5		7	54	GMF54901	GMF55901	£23.89	£20.31
	0.3		8	57	GMF58030	GMF59030	£24.98	£21.24
	0.5		8	57	GMF58901	GMF59901	£24.98	£21.24
4	0.3	6	8	54	GMF54040	GMF55040	£23.89	£20.31
	0.5		8	54	GMF54902	GMF55902	£23.89	£20.31
	0.3		11	57	GMF58040	GMF59040	£24.98	£21.24
	0.5		11	57	GMF58902	GMF59902	£24.98	£21.24
5	0.3	6	10	54	GMF54050	GMF55050	£23.89	£20.31
	0.5		10	54	GMF54903	GMF55903	£23.89	£20.31
	0.3		13	57	GMF58050	GMF59050	£24.98	£21.24
	0.5		13	57	GMF58903	GMF59903	£24.98	£21.24
6	0.3	6	10	54	GMF54060	GMF55060	£23.89	£20.31
	0.5		10	54	GMF54904	GMF55904	£23.89	£20.31
	1		13	57	GMF54905	GMF55905	£23.89	£20.31
	0.3		13	57	GMF58060	GMF59060	£24.98	£21.24
	0.5		13	57	GMF58904	GMF59904	£24.98	£21.24
	1		13	57	GMF58905	GMF59905	£24.98	£21.24
8	0.5	8	12	58	GMF54080	GMF55080	£33.30	£28.31
	1		12	58	GMF54906	GMF55906	£33.30	£28.31
	0.5		19	63	GMF58080	GMF59080	£34.75	£29.54
	1		19	63	GMF58906	GMF59906	£34.75	£29.54
10	0.5	10	14	66	GMF54100	GMF55100	£48.81	£41.49
	1		14	66	GMF54907	GMF55907	£48.81	£41.49
	0.5		22	72	GMF58100	GMF59100	£54.75	£46.54
	1		22	72	GMF58907	GMF59907	£54.75	£46.54
12	0.5	12	16	73	GMF54120	GMF55120	£71.39	£60.68
	1		16	73	GMF54908	GMF55908	£71.39	£60.68
	2		16	73	GMF54909	GMF55909	£71.39	£60.68
	0.5		26	83	GMF58120	GMF59120	£74.64	£63.45
	1		26	83	GMF58908	GMF59908	£74.64	£63.45
	2		26	83	GMF58909	GMF59909	£74.64	£63.45
14	0.5	14	18	75	GMF54140	GMF55140	£99.87	£84.89
	0.5		26	83	GMF58140	GMF59140	£108.72	£92.41
16	1	16	22	82	GMF54160	GMF55160	£114.66	£97.47
	2		22	82	GMF54912	GMF55912	£114.66	£97.47
	3		22	82	GMF54913	GMF55913	£114.66	£97.47
	1		32	92	GMF58160	GMF59160	£118.02	£100.31
	2		32	92	GMF58912	GMF59912	£118.02	£100.31
	3		32	92	GMF58913	GMF59913	£118.02	£100.31
18	1	18	24	84	GMF54180	GMF55180	£169.36	£143.95
	1		32	92	GMF58180	GMF59180	£171.65	£145.90
20	1	20	26	92	GMF54200	GMF55200	£171.35	£145.65
	2		26	92	GMF54916	GMF55916	£171.35	£145.65
	3		26	92	GMF54917	GMF55917	£171.35	£145.65
	1		38	104	GMF58200	GMF59200	£211.87	£180.09
	2		38	104	GMF58916	GMF59916	£211.87	£180.09
	3		38	104	GMF58917	GMF59917	£211.87	£180.09
25	1	25	38	104	GMF58250	GMF59250	£298.13	£253.41

MULTIPLE HELIX DESIGN

The multiple helix design gives the end mill extra strength in both semi-roughing and finishing conditions, enabling heavier cutting and reducing vibration. The reduced vibration increases tool life and improves surface finish.

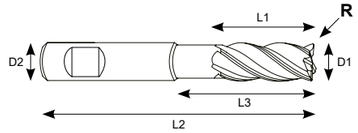
YG V7 Plus

High Performance

4 FLUTE MULTIPLE HELIX HPC CARBIDE NECKED CORNER RAD END MILL

HPC High Metal All-Rounder End Mill. For Steel <HRC40, Stainless Steel, HRSA's, Cast Iron

- V7+ offers exceptional metal removal rates and tool life across a wide range of metals in roughing & finishing applications
- Y1200 coated ultrafine micrograin carbide
- Special flute geometry and multiple helix eliminates vibration
- Unequal flute spacing reduces harmonics
- Depth of cut slotting: 1xD Ap / side cutting: 0.5xD Ae X 1.5xD Ap



MG SC | 4 | 35°/37° | PLAIN | WELDON | HPC | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	L3	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
3	0.3	6	7	54	12	GMF62030	GMF63030	£24.98	£21.24
	0.5			54	12	GMF62901	GMF63901	£24.98	£21.24
	0.3			57	17	GMF62902	GMF63902	£24.98	£21.24
	0.5			57	17	GMF62903	GMF63903	£24.98	£21.24
4	0.3	6	8	57	15	GMF62040	GMF63040	£24.98	£21.24
	0.5			57	15	GMF62904	GMF63904	£24.98	£21.24
	0.3			63	22	GMF62905	GMF63905	£24.98	£21.24
	0.5			63	22	GMF62906	GMF63906	£24.98	£21.24
5	0.3	6	10	57	17	GMF62050	GMF63050	£24.98	£21.24
	0.5			57	17	GMF62907	GMF63907	£24.98	£21.24
	0.3			67	27	GMF62908	GMF63908	£24.98	£21.24
	0.5			67	27	GMF62909	GMF63909	£24.98	£21.24
6	0.3	6	10	57	15	GMF62060	GMF63060	£24.98	£21.24
	0.5			57	15	GMF62910	GMF63910	£24.98	£21.24
	1			57	15	GMF62911	GMF63911	£24.98	£21.24
	0.3			62	20	GMF62912	GMF63912	£24.98	£21.24
	0.5			62	20	GMF62913	GMF63913	£24.98	£21.24
	1			62	20	GMF62914	GMF63914	£24.98	£21.24
	0.3			74	32	GMF62915	GMF63915	£24.98	£21.24
	0.5			74	32	GMF62916	GMF63916	£24.98	£21.24
	1			74	32	GMF62917	GMF63917	£24.98	£21.24
8	0.5	8	12	63	20	GMF62080	GMF63080	£34.75	£29.54
	1			63	20	GMF62918	GMF63918	£34.75	£29.54
	0.5			73	30	GMF62919	GMF63919	£38.36	£32.60
	1			73	30	GMF62920	GMF63920	£38.36	£32.60
	0.5			90	46	GMF62921	GMF63921	£41.31	£35.12
	1			90	46	GMF62922	GMF63922	£41.31	£35.12
10	0.5	10	14	72	25	GMF62100	GMF63100	£54.75	£46.54
	1			72	25	GMF62923	GMF63923	£54.75	£46.54
	0.5			82	35	GMF62924	GMF63924	£62.43	£53.06
	1			82	35	GMF62925	GMF63925	£62.43	£53.06
	0.5			102	55	GMF62926	GMF63926	£65.68	£55.83
	1			102	55	GMF62927	GMF63927	£65.68	£55.83
12	0.5	12	16	83	30	GMF62120	GMF63120	£74.64	£63.45
	1			83	30	GMF62928	GMF63928	£74.64	£63.45
	2			83	30	GMF62929	GMF63929	£74.64	£63.45
	0.5			93	40	GMF62930	GMF63930	£78.28	£66.54
	1			93	40	GMF62931	GMF63931	£78.28	£66.54
	2			93	40	GMF62932	GMF63932	£78.28	£66.54
	0.5			117	64	GMF62933	GMF63933	£100.09	£85.07
	1			117	64	GMF62934	GMF63934	£100.09	£85.07
	2			117	64	GMF62935	GMF63935	£100.09	£85.07
16	1	16	22	92	38	GMF62160	GMF63160	£118.02	£100.31
	2			92	38	GMF62936	GMF63936	£118.02	£100.31
	3			92	38	GMF62937	GMF63937	£118.02	£100.31
	1			109	55	GMF62938	GMF63938	£149.77	£127.30
	2			109	55	GMF62939	GMF63939	£149.77	£127.30
	3			109	55	GMF62940	GMF63940	£149.77	£127.30
	1			141	87	GMF62941	GMF63941	£161.65	£137.40
	2			141	87	GMF62942	GMF63942	£161.65	£137.40
	3			141	87	GMF62943	GMF63943	£161.65	£137.40
20	1	20	26	104	50	GMF62200	GMF63200	£211.87	£180.09
	1			124	70	GMF62946	GMF63946	£269.91	£229.42
	3			124	70	GMF62948	GMF63948	£269.91	£229.42
	1			164	110	GMF62949	GMF63949	£313.26	£266.27
	2			164	110	GMF62950	GMF63950	£313.26	£266.27
	3			164	110	GMF62951	GMF63951	£313.26	£266.27

MULTIPLE HELIX DESIGN

The multiple helix design gives the end mill extra strength in both semi-roughing and finishing conditions, enabling heavier cutting and reducing vibration. The reduced vibration increases tool life and improves surface finish.

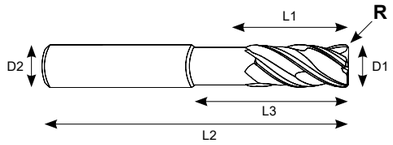
YG TitaNox

High Performance

4 FLUTE VARIABLE HELIX DOUBLE CORE END MILL CORNER RAD

For BEST Performance & Chip Management on Stainless Steel & Titaninium HPC Milling

- The double core adds stability and aids chip flow, especially in sticky stainless steels and titanium HPC milling
- Geometry prevents chip clogging and premature tool failure
- Unequal flute spacing and multiple helix reduces vibration in HPC machining
- Special design for sticky materials prevents flutes from clogging in slotting operations
- Best for slotting & profiling with one tool
- Depth of cut slotting: 1xD Ap / side cutting: 0.4xD Ae X 1xD Ap



MG SC | 4 | 43°/45° | PLAIN | WELDON | Y1200 COATED | HPC | CORNER RADIUS

Carbon & Alloy Steels <HRC40	Stainless Steel	Titanium	HRSA's e.g. Inconel
○	●	●	●

D1	R	D2	L1	L2	L3	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	0.5	6	13	57	20	GMG40060	GMG41060	£40.69	£34.58
	1					GMG40901	GMG41901	£40.69	£34.58
8	0.5	8	19	63	25	GMG40080	GMG41080	£56.51	£48.04
	1					GMG40902	GMG41902	£56.51	£48.04
	1.5					GMG40903	GMG41903	£56.51	£48.04
	2					GMG40904	GMG41904	£56.51	£48.04
10	0.5	10	22	72	30	GMG40100	GMG41100	£89.20	£75.82
	1					GMG40905	GMG41905	£89.20	£75.82
	1.5					GMG40906	GMG41906	£89.20	£75.82
	2					GMG40907	GMG41907	£89.20	£75.82
12	0.5	12	26	83	35	GMG40120	GMG41120	£121.53	£103.30
	1					GMG40908	GMG41908	£121.53	£103.30
	1.5					GMG40909	GMG41909	£121.53	£103.30
	2					GMG40910	GMG41910	£121.53	£103.30
	3					GMG40911	GMG41911	£121.53	£103.30
14	1	14	26	83	35	GMG40140	GMG41140	£167.13	£142.06
	2					GMG40912	GMG41912	£167.13	£142.06
16	1	16	35	92	43	GMG40160	GMG41160	£210.41	£178.84
	1.5					GMG40913	GMG41913	£210.41	£178.84
	2					GMG40914	GMG41914	£210.41	£178.84
	3					GMG40915	GMG41915	£210.41	£178.84
	4					GMG40916	GMG41916	£210.41	£178.84
20	1	20	44	110	56	GMG40200	GMG41200	£395.76	£336.40
	1.5					GMG40917	GMG41917	£395.76	£336.40
	2					GMG40918	GMG41918	£395.76	£336.40
	3					GMG40919	GMG41919	£395.76	£336.40
	3.5					GMG40920	GMG41920	£395.76	£336.40
	4					GMG40921	GMG41921	£395.76	£336.40
25	1	25	55	130	70	GMG40250	GMG41250	£556.89	£473.36
	1.5					GMG40922	GMG41922	£556.89	£473.36
	2					GMG40923	GMG41923	£556.89	£473.36
	3					GMG40924	GMG41924	£556.89	£473.36
	4					GMG40925	GMG41925	£556.89	£473.36

HPC MILLING

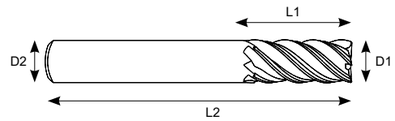
YG TitaNox

High Performance

5 FLUTE HPC END MILL CHAMFER PREP / CORNER RADIUS

Exceptional Performance & Maximum Metal Removal Rates For Steel, Stainless Steel & Titanium

- The Titanox 5 flute HPC geometry offers incredible metal removal rates in steel, stainless steel & titanium milling
- Vibration free machining with ultra high tool life
- Special geometry can be used for slotting, heavy side cutting, and peel milling
- Chamfer edge preparation OR corner radius
- Depth of cut slotting: 1xD Ap / side cutting: 0.5xD Ae X 1.5xD Ap



MG SC | 5 | 38° | PLAIN | Y1200 COATED | HPC

Carbon & Alloy Steels <HRC40	Stainless Steel	Titanium	HRSA's e.g. Inconel
○	●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
Chamfer Prep							
6	-	6	13	57	EMI93060	£31.36	£26.65
8	-	8	19	63	EMI93080	£44.32	£37.67
10	-	10	22	72	EMI93100	£70.89	£60.26
12	-	12	26	83	EMI93120	£96.63	£82.14
16	-	16	36	92	EMI93160	£171.75	£145.99
20	-	20	44	104	EMI93200	£304.44	£258.78
25	-	25	54	121	EMI93250	£428.43	£364.17
Corner Radius							
6	0.3	6	13	57	EMI94060	£37.76	£32.09
	0.5	6	13	57	EMI94901	£37.76	£32.09
	1	6	13	57	EMI94902	£37.76	£32.09
8	0.5	8	19	63	EMI94080	£52.47	£44.60
	1	8	19	63	EMI94903	£52.47	£44.60
	1.5	8	19	63	EMI94904	£52.47	£44.60
	2	8	19	63	EMI94905	£52.47	£44.60
10	0.5	10	22	72	EMI94100	£82.79	£70.37
	1	10	22	72	EMI94906	£82.79	£70.37
	1.5	10	22	72	EMI94907	£82.79	£70.37
	2	10	22	72	EMI94908	£82.79	£70.37
	2.5	10	22	72	EMI94909	£82.79	£70.37
12	0.5	12	26	83	EMI94120	£112.84	£95.91
	1	12	26	83	EMI94910	£112.84	£95.91
	1.5	12	26	83	EMI94911	£112.84	£95.91
	2	12	26	83	EMI94912	£112.84	£95.91
	2.5	12	26	83	EMI94913	£112.84	£95.91
	3	12	26	83	EMI94914	£112.84	£95.91
16	0.5	16	36	92	EMI94160	£195.36	£166.06
	1	16	36	92	EMI94915	£195.36	£166.06
	1.5	16	36	92	EMI94916	£195.36	£166.06
	2	16	36	92	EMI94917	£195.36	£166.06
	2.5	16	36	92	EMI94918	£195.36	£166.06
	3	16	36	92	EMI94919	£195.36	£166.06
	4	16	36	92	EMI94920	£195.36	£166.06
20	1	20	44	104	EMI94200	£350.66	£298.06
	1.5	20	44	104	EMI94921	£350.66	£298.06
	2	20	44	104	EMI94922	£350.66	£298.06
	2.5	20	44	104	EMI94923	£350.66	£298.06
	3	20	44	104	EMI94924	£350.66	£298.06
	4	20	44	104	EMI94925	£350.66	£298.06
	5	20	44	104	EMI94926	£350.66	£298.06

HPC MILLING

P H M S K

HSC & GENERAL MILLING

High speed & general milling applications

2 Flute	P 26-33	Corner Rad	P 40-45
3 Flute	P 34-35	6 & 8 Flute	P 46-51
4 Flute	P 36-39	Ball Nose	P 52-61

- 2, 3, 4, 6 & 8 flute milling cutters
- Extensive range of diameters, corner radius, lengths & reach to suit almost any application
- Geometries are available for general purpose milling or high speed cutting of steel, high hardened steels <HRC70, stainless steel, titanium, inconel & cast iron

HSC MILLING HIGHLIGHTS

YG 4G MILLS

4G Mills deliver performance, tool life and precision, the perfect upgrade from general purpose carbide.

P H M K

YG X5070

Hardened steel machining is transformed with the accuracy and durability delivered by X5070.

P H M K

YG JET-POWER

Stainless & heat resistant alloys machine cleanly and predictably with the advanced performance of Jet Power.

P M S

YG V7 Plus 6 FLUTE TRP

High-velocity milling stays stable and efficient with the smooth-cutting performance of V7+.

P M S K

YG K-2

General machining stays consistent and predictable with the reliability of K2 Coated Carbide.

P H M K

HSC & GENERAL MILLING

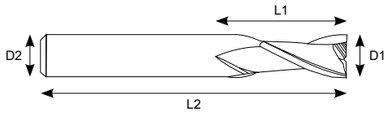
YG K-2

General Purpose

2 FLUTE K2 COATED CARBIDE SLOT DRILL

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining where the best quality is required
- Suitable for dry milling applications at high temperatures (steel only)



MG SC | 2 | 30° | DIN 6535HA | K2 COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	4	3	50	G9424010	£14.23	£11.38
1.5	4	4	50	G9424015	£13.74	£10.99
2	4	6	50	G9424020	£11.78	£9.43
2.5	4	8	50	G9424025	£11.78	£9.43
3	3	8	50	G9424030	£11.78	£9.43
3	3	20	60	G9452903	£21.44	£17.15
3.5	4	10	50	G9424035	£13.11	£10.49
4	4	10	50	G9424040	£13.11	£10.49
4	4	20	60	G9452904	£22.56	£18.05
4.5	4.5	12	50	G9424045	£13.80	£11.04
5	5	13	50	G9424050	£13.80	£11.04
5	5	25	75	G9452905	£26.17	£20.94
5.5	5.5	15	50	G9424055	£15.27	£12.22
6	6	15	50	G9424060	£15.27	£12.22
6	6	30	75	G9452906	£28.47	£22.78
7	7	20	60	G9424070	£20.49	£16.39
8	8	20	60	G9424080	£24.67	£19.74
8	8	30	75	G9452908	£42.27	£33.81
9	9	20	60	G9424090	£33.38	£26.70
10	10	25	75	G9424100	£37.27	£29.82
10	10	40	100	G9452910	£54.36	£43.49
12	12	30	75	G9424120	£50.94	£40.75
12	12	45	100	G9452912	£82.17	£65.74
14	14	40	100	G9424140	£68.00	£54.40
14	14	45	100	G9452914	£104.32	£83.46
16	16	40	100	G9424160	£89.31	£71.45
16	16	45	100	G9452916	£142.69	£114.16
18	18	45	100	G9452918	£157.90	£126.32
20	20	40	100	G9424200	£151.21	£120.97
20	20	45	100	G9452920	£190.81	£152.64

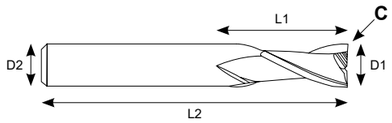
YG K-2

General Purpose

2 FLUTE K2 COATED CARBIDE CHAMFER PREP SLOT DRILL

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining where the best quality is required
- Suitable for dry milling applications at high temperatures (steel only)
- Chamfer edge preparation, ideal to protect cutting edge against vibration



MG SC | 2 | 30° | DIN 6535HA | K2 COATED | C x 45°

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	D2	L1	L2	C	Order Code	List Price	Offer Price
3	3	8	50	0.1	G9G44030	£11.78	£9.43
4	4	10	50		G9G44040	£13.11	£10.49
5	5	13	50		G9G44050	£13.80	£11.04
6	6	15	50		G9G44060	£15.27	£12.22
8	8	20	60	0.13	G9G44080	£24.67	£19.74
10	10	25	75		G9G44100	£37.27	£29.82
12	12	30	75	0.18	G9G44120	£50.94	£40.75
14	14	40	100		G9G44140	£68.00	£54.40
16	16	40	100		G9G44160	£89.31	£71.45
20	20	40	100	0.23	G9G44200	£151.21	£120.97

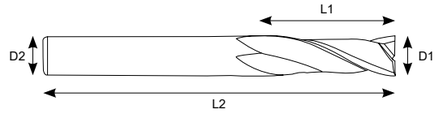
YG 4G MILLS

High Performance

2 FLUTE COATED CARBIDE SLOT DRILL

Dry or Wet Cutting all Steel, Stainless Steel, Cast Iron & Hardened Steel <HRC55

- Ulitmate high performance, high precision all-rounder for steel, stainless, cast iron and hardened steel milling
- HSC = High speed cutting
- Temperature resistant 1200°C with outstanding wear resistance
- High accuracy, tolerance 0~-0.012mm ≤Ø6, 0~-0.015mm >Ø6
- Huge choice of lengths and diameters



MG SC | 2 | 30° | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Hardened Steels HRC45~55	Stainless Steel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
0.03	4	0.04	40	SEME350003E	£307.79	£246.23
0.04	4	0.06	40	SEME350004E	£307.79	£246.23
0.1	4	0.2	40	SEME35001E	£68.81	£55.05
0.15	4	0.3	40	SEME350015E	£62.06	£49.65
0.2	4	0.4	40	SEME35002E	£53.88	£43.11
0.25	4	0.5	40	SEME350025E	£52.83	£42.26
0.3	4	0.6	40	SEME35003E	£47.48	£37.98
0.35	4	0.7	40	SEME350035E	£47.48	£37.98
0.4	4	0.8	40	SEME35004E	£41.87	£33.50
0.45	4	0.9	40	SEME350045E	£41.87	£33.50
0.5	4	1	40	SEME35005E	£36.69	£29.35
0.55	4	1.1	40	SEME350055E	£36.69	£29.35
0.6	4	1.2	40	SEME35006E	£34.53	£27.62
0.65	4	1.3	40	SEME350065E	£34.53	£27.62
0.7	4	1.4	40	SEME35007E	£33.45	£26.76
0.75	4	1.5	40	SEME350075E	£33.45	£26.76
0.8	4	1.6	40	SEME35008E	£31.37	£25.10
0.85	4	1.7	40	SEME350085E	£31.37	£25.10
0.9	4	1.8	40	SEME35009E	£31.37	£25.10
1	6	3	60	SEME7001003E	£42.96	£34.37
		6	60	SEME7001006E	£45.12	£36.10
		8	60	SEME7001008E	£47.25	£37.80
		10	60	SEME7001010E	£51.49	£41.19
1.2	6	3	50	SEME35012E	£42.96	£34.37
1.5	6	4	50	SEME35015E	£42.96	£34.37
		8	60	SEME7001508E	£45.12	£36.10
		10	60	SEME7001510E	£47.25	£37.80
		12	60	SEME7001512E	£51.49	£41.19
		16	60	SEME7001516E	£57.88	£46.31
2	6	6	50	SEME35020E	£39.15	£31.32
		8	60	SEME7002008E	£39.15	£31.32
		12	60	SEME7002012E	£43.00	£34.40
		16	60	SEME7002016E	£46.87	£37.50
2.5	6	7	50	SEME35025E	£39.15	£31.32
		16	60	SEME7002516E	£43.00	£34.40
3	6	8	50	SEME35030E	£39.15	£31.32
		12	70	SEME7003012E	£52.76	£42.21
		20	70	SEME7003020E	£52.76	£42.21
		26	70	SEME7003026E	£59.33	£47.47
3.5	6	10	50	SEME35035E	£39.15	£31.32
4	6	10	50	SEME35040E	£39.15	£31.32
		12	70	SEME7004012E	£52.76	£42.21
		20	70	SEME7004020E	£52.76	£42.21
		30	70	SEME7004030E	£63.81	£51.05
4.5	6	14	50	SEME35045E	£39.15	£31.32
5	6	15	60	SEME35050E	£39.15	£31.32
		20	70	SEME7005020E	£52.76	£42.21

D1	D2	L1	L2	Order Code	List Price	Offer Price
5	6	30	80	SEME7005030E	£65.37	£52.29
5	6	40	100	SEME7005040E	£78.53	£62.82
5.5	6	15	60	SEME35055E	£39.15	£31.32
6	6	15	60	SEME35060E	£39.15	£31.32
6	6	20	70	SEME7006020E	£52.76	£42.21
6	6	35	90	SEME7006035E	£72.37	£57.90
6	6	30	100	SEME7006030100E	£69.30	£55.44
6	6	45	150	SEME7006045E	£98.59	£78.87
6.5	8	18	60	SEME35065E	£48.90	£39.12
7	8	20	60	SEME35070E	£48.90	£39.12
7.5	8	20	60	SEME35075E	£48.90	£39.12
8	8	20	70	SEME35080E	£48.90	£39.12
8	8	30	80	SEME7008030E	£62.20	£49.76
8	8	40	90	SEME7008040E	£74.37	£59.50
8	8	50	100	SEME7008050E	£84.05	£67.24
8	8	40	120	SEME7008040120E	£83.35	£66.68
8.5	10	22	70	SEME35085E	£72.37	£57.90
9	10	22	70	SEME35090E	£72.37	£57.90
9.5	10	24	70	SEME35095E	£72.37	£57.90
10	10	25	75	SEME35100E	£72.37	£57.90
10	10	35	100	SEME7010035E	£86.84	£69.47
10	10	50	100	SEME7010050E	£107.28	£85.82
10	10	60	110	SEME7010060E	£131.00	£104.80
10	10	40	120	SEME7010040120E	£104.61	£83.69
10.5	12	26	75	SEME35105E	£99.26	£79.41
11	12	30	75	SEME35110E	£99.26	£79.41
11.5	12	30	80	SEME35115E	£99.26	£79.41
12	12	30	80	SEME35120E	£89.53	£71.62
12	12	35	90	SEME7012035E	£107.44	£85.95
12	12	40	100	SEME7012040E	£111.67	£89.34
12	12	40	120	SEME7012040120E	£135.44	£108.35
12	12	60	150	SEME7012060150E	£184.75	£147.80
13	12	35	100	SEME35130E	£119.06	£95.25
14	14	35	100	SEME3514014SE	£108.70	£86.96
15	16	30	100	SEME35150E	£155.22	£124.18
16	16	40	100	SEME35160E	£141.73	£113.38
16	16	40	150	SEME7016040E	£195.28	£156.22
17	16	42	100	SEME35170E	£230.14	£184.11
18	18	45	100	SEME3518018SE	£188.47	£150.77
19	20	45	100	SEME35190E	£285.56	£228.45
20	20	45	100	SEME35200E	£235.17	£188.13
20	20	90	200	SEME7020090200E	£485.84	£388.67
20	20	110	200	SEME70200110E	£528.03	£422.42
25	25	50	120	SEME35250E	£391.91	£313.53

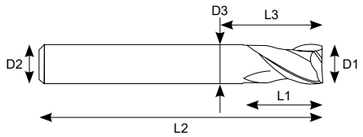
YG X5070

High Performance

2 FLUTE COATED NANOGRAIN CARBIDE SLOT DRILL

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operations, tolerance 0~-0.012mm ≤Ø6, 0~-0.015mm >Ø6
- Silicon based coating with ultra high heat and wear-resistance



NG SC | 2 | 30° | PLAIN | X5070 COATED | HSC

Pre Hard. Steels	Hardened Steels		High Hard. Steels
HRC30~40	HRC40~45	HRC45~55	HRC55~70
○	○	●	●

D1	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
0.1	4	-	0.2	40	-	G8A01001	£71.27	£60.58
0.2	4	-	0.4	40	-	G8A01002	£47.42	£40.31
0.3	4	-	0.6	40	-	G8A01003	£41.01	£34.86
0.4	4	-	0.8	40	-	G8A01004	£44.70	£37.99
0.5	4	-	1	40	-	G8A01005	£32.30	£27.46
0.6	4	-	1.2	40	-	G8A01006	£34.01	£28.91
0.7	4	-	1.4	40	-	G8A01007	£38.92	£33.08
0.8	4	-	1.6	40	-	G8A01008	£37.81	£32.14
0.9	4	-	2	40	-	G8A01009	£37.81	£32.14
1	6	0.95	1.5	50	3	G8A01010	£43.06	£36.60
1.5	6	1.45	1.7	50	4	G8A01015	£43.06	£36.60
2	6	1.95	2	50	5	G8A01020	£43.06	£36.60
2.5	6	2.4	2.5	55	6	G8A01025	£43.06	£36.60
3	6	2.85	3	55	8	G8A01030	£43.06	£36.60
3.5	6	3.35	3.5	55	9	G8A01035	£43.06	£36.60
4	6	3.85	4	55	10	G8A01040	£43.06	£36.60
5	6	4.85	5	55	13	G8A01050	£43.06	£36.60
6	6	5.85	6	55	15	G8A01060	£43.06	£36.60
8	8	7.7	8	65	20	G8A01080	£52.95	£45.01
10	10	9.7	10	75	25	G8A01100	£78.82	£67.00
12	12	11.7	12	85	28	G8A01120	£109.91	£93.42
16	16	15.7	16	90	32	G8A01160	£183.28	£155.79
20	20	19.7	20	105	40	G8A01200	£302.66	£257.26

YG X-POWER PRO

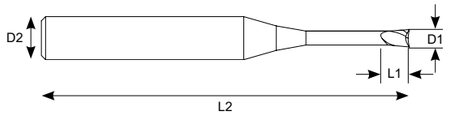
High Performance

2 FLUTE COATED ULTRAFINE CARBIDE SLOT DRILL

High Speed Machining of Medium-High Hardness Steel <HRC55 & Cast Iron

- Y coated ultrafine micrograin carbide
- HSC = Suitable for high speed machining
- High precision milling in medical, optical, aerospace, electronics, mould & die industries
- Suitable for dry cutting on steel & hardened steel

up to Ø3mm



MG SC | 2 | 30° | PLAIN | Y COATED | HSC

Alloy Steels	Pre Hard. Steels	Hardened Steels
HB225~325	HRC30~40	HRC40~60
●	●	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
0.4	3	0.8	40	GM810004	£36.55	£29.24
0.5	3	1	40	GM810005	£31.80	£25.44
0.6	3	1.2	40	GM810006	£29.93	£23.94
0.7	3	1.4	40	GM810007	£28.97	£23.18
0.8	3	1.6	40	GM810008	£27.12	£21.70
0.9	3	2	40	GM810009	£27.12	£21.70
1	4	2.5	40	GM810010	£25.84	£20.67
1	6	2.5	40	GM810901	£37.45	£29.96
1.2	4	4	40	GM810012	£25.84	£20.67
1.4	4	4	40	GM810014	£25.84	£20.67
1.5	4	4	40	GM810015	£25.84	£20.67
1.5	6	4	40	GM810902	£37.45	£29.96
2	4	6	40	GM810020	£23.64	£18.91
2	6	6	40	GM810903	£34.11	£27.29
3	6	8	45	GM810030	£34.11	£27.29

D1	D2	L1	L2	Order Code	List Price	Offer Price
3.5	6	10	45	GM810035	£34.11	£27.29
4	6	11	45	GM810040	£34.11	£27.29
5	6	13	50	GM810050	£34.11	£27.29
6	6	13	50	GM810060	£34.11	£27.29
7	8	16	60	GM810070	£43.66	£34.93
8	8	19	60	GM810080	£43.66	£34.93
9	10	19	70	GM810090	£64.63	£51.70
10	10	22	70	GM810100	£64.63	£51.70
11	12	22	75	GM810110	£88.62	£70.89
12	12	26	75	GM810120	£88.62	£70.89
14	14	26	85	GM810140	£112.38	£89.90
16	16	32	100	GM810160	£147.03	£117.62
18	18	32	100	GM810180	£195.38	£156.30
20	20	38	105	GM810200	£243.76	£195.01

YG JET-POWER

Advanced Performance

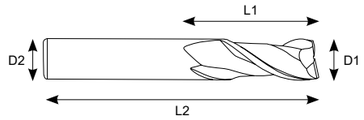
2 FLUTE COATED CARBIDE SLOT DRILL

Dedicated Geometry for Medium to High Performance Stainless Steel & Titanium Slotting

- Specific geometry and coating for best tool life and surface finish in stainless steel & titanium slotting
- HSC = Suitable for high speed machining
- Reinforced cutting edge reduces chipping of corner edges
- Also suitable for low hardness steels (under HRC45)

Up to 3mm

Over 3mm



MG SC | 2 | 35° | PLAIN | TiAlN 850 | HSC

Alloy Steels	Pre Hard. Steels	Stainless Steel	Titanium
HB225~325	HRC30~40		
○	○	●	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	4	2.5	40	EH911010	£24.37	£20.72
1	6	2.5	40	EH911901	£35.29	£29.99
1.5	4	4	40	EH911015	£24.37	£20.72
1.5	6	4	40	EH911902	£35.29	£29.99
2	4	6	40	EH911020	£22.27	£18.93
2	6	6	40	EH911903	£32.14	£27.32
2.5	4	8	40	EH911025	£22.27	£18.93
2.5	6	8	40	EH911904	£32.14	£27.32
3	6	8	45	EH911030	£32.14	£27.32
3.5	6	10	45	EH911035	£32.14	£27.32
4	6	11	45	EH911040	£32.14	£27.32
4.5	6	11	45	EH911045	£32.14	£27.32
5	6	13	50	EH911050	£32.14	£27.32
5.5	6	13	50	EH911055	£32.14	£27.32
6	6	13	50	EH911060	£32.14	£27.32
6.5	8	16	60	EH911065	£41.13	£34.96
7	8	16	60	EH911070	£41.13	£34.96
7.5	8	16	60	EH911075	£41.13	£34.96
8	8	19	60	EH911080	£41.13	£34.96
8.5	10	19	70	EH911085	£60.88	£51.75
9	10	19	70	EH911090	£60.88	£51.75
9.5	10	19	70	EH911095	£60.88	£51.75
10	10	22	70	EH911100	£60.88	£51.75
11	12	22	75	EH911110	£83.51	£70.99
12	12	26	75	EH911120	£83.51	£70.99
14	16	26	85	EH911140	£138.56	£117.77
16	16	32	100	EH911160	£138.56	£117.77
18	16	32	100	EH911180	£184.09	£156.48
20	20	38	105	EH911200	£229.69	£195.23
22	20	38	105	EH911220	£298.64	£253.85
25	25	45	120	EH911250	£367.50	£312.38

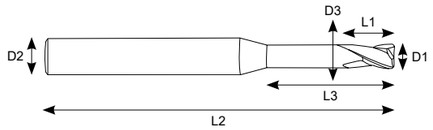
YG K-2

General Purpose

2 FLUTE COATED CARBIDE RIB PROCESSING SLOT DRILL

General Purpose Milling of Steel <HRC40

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Long neck for deep pocket milling



MG SC | 2 | 30° | DIN 6535HA | K2 COATED

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Cast Iron
●	●	○	○

D1	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
0.4	4	0.37	0.7	50	2	G9B80004	£29.23	£23.39
					4	G9B80901	£29.23	£23.39
0.5	4	0.45	0.75	50	2	G9B80005	£26.64	£21.31
				50	4	G9B80902	£26.64	£21.31
				50	6	G9B80903	£26.64	£21.31
0.6	4	0.55	0.9	50	2	G9B80006	£26.64	£21.31
				50	4	G9B80904	£26.64	£21.31
				50	6	G9B80905	£26.64	£21.31
0.7	4	0.65	1.1	50	4	G9B80007	£24.26	£19.41
				50	6	G9B80906	£24.26	£19.41
0.8	4	0.75	1.2	50	4	G9B80008	£24.26	£19.41
				50	6	G9B80907	£24.26	£19.41
				50	8	G9B80908	£24.26	£19.41
0.9	4	0.85	1.4	50	6	G9B80009	£24.26	£19.41
				50	8	G9B80909	£24.26	£19.41
				50	10	G9B80910	£24.26	£19.41
1	4	0.95	1.5	50	6	G9B80010	£21.59	£17.27
				50	8	G9B80911	£21.59	£17.27
				50	10	G9B80912	£21.59	£17.27
				50	12	G9B80913	£22.91	£18.33
1.2	4	1.15	1.8	50	6	G9B80012	£21.59	£17.27
				50	8	G9B80914	£21.59	£17.27
				50	10	G9B80915	£21.59	£17.27
				50	12	G9B80916	£22.91	£18.33
1.5	4	1.45	2.3	50	6	G9B80015	£21.59	£17.27
				50	8	G9B80917	£21.59	£17.27
				50	10	G9B80918	£21.59	£17.27
				50	12	G9B80919	£22.91	£18.33
				50	14	G9B80920	£22.91	£18.33
				50	16	G9B80921	£23.81	£19.05
				50	18	G9B80922	£23.81	£19.05
				50	20	G9B80923	£23.81	£19.05
2	4	1.95	3	50	6	G9B80020	£20.58	£16.47
				50	8	G9B80924	£20.58	£16.47
				50	10	G9B80925	£20.58	£16.47
				50	12	G9B80926	£20.58	£16.47
				50	14	G9B80927	£20.58	£16.47
				50	16	G9B80928	£21.40	£17.12
				50	18	G9B80929	£21.40	£17.12
				50	20	G9B80930	£21.40	£17.12
2.5	4	2.40	3.7	50	8	G9B80025	£20.58	£16.47
				50	12	G9B80931	£20.58	£16.47
				50	16	G9B80932	£21.40	£17.12
				50	20	G9B80933	£21.40	£17.12
3	6	2.85	4.5	50	8	G9B80030	£30.95	£24.76
				50	12	G9B80934	£30.95	£24.76
				60	16	G9B80935	£31.67	£25.34
				60	20	G9B80936	£31.67	£25.34
				75	25	G9B80937	£31.67	£25.34
4	6	3.85	6	50	12	G9B80040	£30.95	£24.76
				60	16	G9B80938	£31.67	£25.34
				75	20	G9B80939	£31.67	£25.34
				75	25	G9B80940	£31.67	£25.34
				75	30	G9B80941	£36.67	£29.34
				75	35	G9B80942	£39.93	£31.95

HSC & GENERAL MILLING

YG 4G MILLS

High Performance

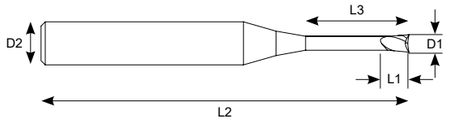
2 FLUTE COATED CARBIDE RIB PROCESSING SLOT DRILL

Excellent Performance on Dry or Wet Cutting all Steel, Stainless, Cast Iron & Hardened Steel <HRC55

- YG-1's Y1200 coating & premium micrograin carbide substrate
- HSC = High speed cutting
- Due to new coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Wide range of neck lengths for rib processing/pocket milling operations

Up to Ø5mm

Over Ø5mm



MG SC | 2 | 30° | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Hardened Steels HRC45~55	Stainless Steel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	L3	Order Code	List Price	Offer Price
0.5	4	0.7	45	6	SEM84500506E	£40.31	£32.25
			45	10	SEM84500510E	£46.62	£37.29
0.6	4	0.9	45	2	SEM84500602E	£40.31	£32.25
			45	4	SEM84500604E	£40.31	£32.25
			45	6	SEM84500606E	£40.31	£32.25
			45	10	SEM84500610E	£46.41	£37.13
0.7	4	1.2	45	2	SEM84500702E	£36.73	£29.38
			45	4	SEM84500704E	£36.73	£29.38
			45	6	SEM84500706E	£36.73	£29.38
			45	8	SEM84500708E	£36.73	£29.38
			45	12	SEM84500712E	£46.41	£37.13
0.8	4	1.2	45	2	SEM84500802E	£36.73	£29.38
			45	4	SEM84500804E	£36.73	£29.38
			45	6	SEM84500806E	£36.73	£29.38
			45	10	SEM84500810E	£42.14	£33.71
0.9	4	1.3	45	6	SEM84500906E	£36.73	£29.38
			45	10	SEM84500910E	£36.73	£29.38
1	4	1.5	50	2	SEM84501002E	£33.36	£26.69
			50	4	SEM84501004E	£33.36	£26.69
			50	6	SEM84501006E	£33.36	£26.69
			50	8	SEM84501008E	£33.36	£26.69
			50	10	SEM84501010E	£33.36	£26.69
			50	16	SEM84501016E	£36.73	£29.38
			50	20	SEM84501020E	£37.11	£29.69
			70	30	SEM84501030E	£40.80	£32.64
1.2	4	1.8	50	4	SEM84501204E	£33.36	£26.69
			50	10	SEM84501210E	£33.36	£26.69
			50	16	SEM84501216E	£36.73	£29.38
			60	26	SEM84501226E	£40.80	£32.64
1.4	4	2.1	50	8	SEM84501408E	£33.36	£26.69
			50	10	SEM84501410E	£33.36	£26.69
			50	16	SEM84501416E	£36.73	£29.38
1.5	4	2.3	50	4	SEM84501504E	£33.36	£26.69
			50	8	SEM84501508E	£33.36	£26.69
			50	12	SEM84501512E	£34.82	£27.85
			50	16	SEM84501516E	£36.73	£29.38
			50	20	SEM84501520E	£36.73	£29.38
			70	30	SEM84501530E	£40.80	£32.64

D1	D2	L1	L2	L3	Order Code	List Price	Offer Price
1.6	4	2.3	50	8	SEM84501608E	£33.36	£26.69
			50	12	SEM84501612E	£35.24	£28.19
			50	20	SEM84501620E	£35.98	£28.78
1.8	4	2.7	50	8	SEM84501808E	£33.36	£26.69
			50	20	SEM84501820E	£35.98	£28.78
2	4	3	50	6	SEM84502006E	£31.83	£25.47
			50	12	SEM84502012E	£31.83	£25.47
			50	16	SEM84502016E	£33.90	£27.12
			50	20	SEM84502020E	£33.90	£27.12
			70	30	SEM84502030E	£35.94	£28.75
			80	40	SEM84502040E	£39.22	£31.38
			110	60	SEM84502060E	£56.42	£45.14
2.5	4	4	50	8	SEM84502508E	£31.83	£25.47
			50	12	SEM84502512E	£31.83	£25.47
			50	16	SEM84502516E	£33.90	£27.12
			50	20	SEM84502520E	£33.90	£27.12
3	6	4.5	61	16	SEM84503016E	£48.15	£38.52
			63	20	SEM84503020E	£48.15	£38.52
			65	26	SEM84503026E	£48.15	£38.52
			70	35	SEM84503035E	£61.50	£49.20
			100	60	SEM84503060E	£82.73	£66.18
4	6	6	50	12	SEM84504012E	£47.65	£38.12
			60	20	SEM84504020E	£48.15	£38.52
			70	30	SEM84504030E	£61.50	£49.20
			70	35	SEM84504035E	£61.50	£49.20
			100	50	SEM84504050E	£77.00	£61.60
			100	60	SEM84504060E	£82.73	£66.18
5	6	8	60	20	SEM84505020E	£48.15	£38.52
			70	30	SEM84505030E	£61.50	£49.20
			80	40	SEM84505040E	£62.08	£49.66
			90	50	SEM84505050E	£70.51	£56.41
6	6	9	60	15	SEM84506015E	£48.15	£38.52
			60	20	SEM84506020E	£48.15	£38.52
			70	30	SEM84506030E	£61.50	£49.20
8	8	12	80	30	SEM84508030E	£63.73	£50.98
			100	42	SEM84508042E	£74.83	£59.86
10	10	15	75	30	SEM84510030E	£89.00	£71.20
			80	35	SEM84510035E	£94.61	£75.69

HSC & GENERAL MILLING

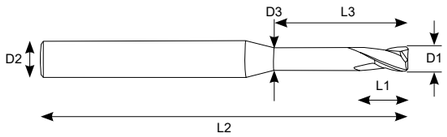
YG X5070

High Performance

2 FLUTE COATED NANOGRAIN CARBIDE RIB PROCESSING SLOT DRILL

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operation
- Silicone based coating with ultra high heat and wear-resistance



NG SC | 2 | 30° | PLAIN | X5070 COATED | HSC

Pre Hard. Steels	Hardened Steels		High Hard. Steels
HRC30-40	HRC40-45	HRC45-55	HRC55-70
○	○	●	●

D1	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
0.1	4	0.085	0.15	45	0.3	G8A45863	£72.98	£62.03
					0.5	G8A45864	£77.55	£65.92
0.2	4	0.17	0.3	45	0.5	G8A45002	£50.51	£42.94
					1	G8A45815	£50.51	£42.94
					1.5	G8A45816	£60.47	£51.40
0.3	4	0.27	0.45	45	1	G8A45003	£42.91	£36.48
					1.5	G8A45844	£42.91	£36.48
					2	G8A45817	£52.58	£44.69
					3	G8A45818	£52.58	£44.69
					4	G8A45842	£55.02	£46.77
0.4	4	0.37	0.6	45	1	G8A45843	£46.35	£39.40
					2	G8A45004	£46.35	£39.40
					3	G8A45984	£46.35	£39.40
					4	G8A45985	£46.35	£39.40
					5	G8A45986	£46.35	£39.40
0.5	4	0.45	0.7	45	2	G8A45005	£32.04	£27.23
					2.5	G8A45861	£32.04	£27.23
					4	G8A45988	£32.04	£27.23
					6	G8A45989	£32.04	£27.23
					8	G8A45990	£32.19	£27.36
0.6	4	0.55	0.9	45	2	G8A45006	£34.32	£29.17
					3	G8A45860	£34.32	£29.17
					4	G8A45991	£34.32	£29.17
					6	G8A45992	£34.32	£29.17
					8	G8A45993	£34.17	£29.05
					10	G8A45819	£34.32	£29.17
0.8	4	0.75	1.2	45	2	G8A45862	£37.81	£32.14
					4	G8A45008	£37.81	£32.14
					6	G8A45908	£37.81	£32.14
					8	G8A45909	£37.81	£32.14
					10	G8A45994	£38.35	£32.59
					12	G8A45995	£48.04	£40.83
1	4	0.95	1.5	45	4	G8A45996	£34.01	£28.91
				45	6	G8A45010	£34.01	£28.91
				45	8	G8A45912	£34.01	£28.91
				45	10	G8A45913	£34.01	£28.91
				45	12	G8A45914	£33.98	£28.88
				50	16	G8A45997	£34.74	£29.53
				55	20	G8A45998	£34.74	£29.53

D1	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
1.2	4	1.15	1.8	45	6	G8A45012	£35.88	£30.50
				45	8	G8A45915	£35.88	£30.50
				45	10	G8A45916	£35.88	£30.50
				45	12	G8A45917	£35.84	£30.46
				50	16	G8A45999	£36.22	£30.79
1.5	4	1.45	2.3	45	6	G8A45015	£35.88	£30.50
				45	8	G8A45923	£35.88	£30.50
				45	10	G8A45924	£35.88	£30.50
				45	12	G8A45925	£36.20	£30.77
				50	14	G8A45926	£36.20	£30.77
				50	16	G8A45927	£37.38	£31.78
				55	18	G8A45928	£37.38	£31.78
				55	20	G8A45810	£37.38	£31.78
2	4	1.95	3	45	6	G8A45958	£35.34	£30.04
				45	8	G8A45020	£35.34	£30.04
				45	10	G8A45959	£35.34	£30.04
				45	12	G8A45960	£35.34	£30.04
				50	14	G8A45961	£35.34	£30.04
				50	16	G8A45962	£36.35	£30.90
				55	18	G8A45963	£36.35	£30.90
				55	20	G8A45964	£36.35	£30.90
				60	25	G8A45966	£36.35	£30.90
				70	30	G8A45814	£36.35	£30.90
3	6	2.85	4.5	45	10	G8A45975	£48.50	£41.22
				45	12	G8A45976	£48.50	£41.22
				50	14	G8A45977	£48.50	£41.22
				55	16	G8A45978	£48.53	£41.25
				55	18	G8A45979	£48.53	£41.25
				60	20	G8A45980	£48.53	£41.25
				65	25	G8A45981	£48.53	£41.25
				70	30	G8A45832	£58.37	£49.62
				80	35	G8A45833	£63.13	£53.66
				90	40	G8A45983	£63.13	£53.66
4	6	3.85	6	50	12	G8A45040	£56.25	£47.81
				60	16	G8A45801	£56.27	£47.83
				60	20	G8A45802	£56.27	£47.83
				70	25	G8A45803	£56.27	£47.83
				70	30	G8A45834	£61.91	£52.62
				80	35	G8A45835	£69.02	£58.67
				90	40	G8A45836	£69.02	£58.67
				90	45	G8A45837	£75.87	£64.49
				100	50	G8A45838	£91.05	£77.39

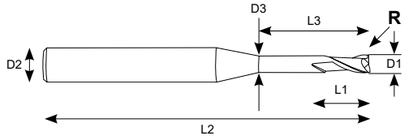
YG X-POWER PRO

High Performance

2 FLUTE COATED NANOGRAIN CARBIDE RIB PROCESSING SLOT DRILL

High Speed Machining of Medium-High Hardness Steel <HRC55 & Cast Iron

- Y coated ultrafine micrograin carbide
- HSC = Suitable for high speed machining
- Tool has reduced neck diameter to prevent interference in pocket milling
- Wide range of reach lengths (L3) from short to long
- Suitable for dry cutting on steel & hardened steel



MG SC | 2 | 30° | PLAIN | Y COATED | HSC

Alloy Steels	Pre Hard. Steels	Hardened Steels
HB225-325	HRC30-40	HRC40-60
●	●	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
1	0.1	4	0.95	1.5	45	6	GM8A1010	£32.85	£26.28
						8	GM8A1920	£32.85	£26.28
						10	GM8A1921	£32.85	£26.28
1.2	0.2	4	1.15	1.8	45	6	GM8A1012	£32.85	£26.28
1.5	0.2	4	1.45	2.3	45	6	GM8A1015	£32.85	£26.28
					45	8	GM8A1937	£32.85	£26.28
					45	10	GM8A1938	£32.85	£26.28
					45	12	GM8A1939	£34.80	£27.84
					50	16	GM8A1941	£36.75	£29.40
1.8	0.2	4	1.75	2.7	45	6	GM8A1018	£32.85	£26.28
2	0.2	4	1.95	3	45	6	GM8A1960	£31.25	£25.00
					45	8	GM8A1020	£31.25	£25.00
					45	12	GM8A1962	£31.25	£25.00
					45	10	GM8A1961	£31.25	£25.00
					50	16	GM8A1964	£33.85	£27.08
					55	20	GM8A1966	£33.85	£27.08
					60	25	GM8A1967	£35.80	£28.64
2.5	0.2	4	2.4	3.7	45	12	GM8A1969	£31.25	£25.00
3	0.3	6	2.85	4.5	55	16	GM8A1981	£47.45	£37.96
					60	20	GM8A1983	£47.45	£37.96
					65	25	GM8A1984	£47.45	£37.96
					70	30	GM8A1976	£56.97	£45.58
					90	40	GM8A1985	£61.25	£49.00
4	0.3	6	3.85	6	50	12	GM8A1040	£46.60	£37.28
					60	16	GM8A1986	£47.45	£37.96
					60	20	GM8A1987	£47.45	£37.96
6	0.5	6	5.85	9	80	20	GM8A1060	£46.60	£37.28
					100	40	GM8A1802	£61.20	£48.96

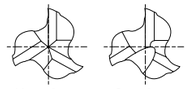
YG K-2

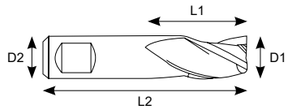
General Purpose

3 FLUTE COATED CARBIDE THROWAWAY SLOT DRILL

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Centre cutting
- Short length throwaway style





MG SC | 3 | 30° | WELDON | PLAIN | K2 COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	D2	L1	L2	Order Code	List Price	Offer Price
0.5	3 ▶	1.5	38	G9553005	£13.64	£10.91
0.6	3 ▶	1.5	38	G9553006	£13.64	£10.91
0.8	3 ▶	2	38	G9553008	£11.97	£9.58
1	3 ▶	2	38	G9553010	£10.88	£8.70
1.2	3 ▶	2	38	G9553012	£14.18	£11.34
1.5	3 ▶	2	38	G9553015	£10.88	£8.70
2	6	4	35	G9410020	£13.04	£10.43
2.5	6	5	36	G9410025	£13.64	£10.91
3	6	5	36	G9410030	£13.04	£10.43
3.5	6	6	37	G9410035	£14.18	£11.34
4	6	7	38	G9410040	£13.04	£10.43
4.5	6	8	38	G9410045	£14.18	£11.34
5	6	8	39	G9410050	£13.04	£10.43
5.5	6	8	39	G9410055	£14.18	£11.34
6	6	8	39	G9410060	£13.04	£10.43
7	8	10	42	G9410070	£17.76	£14.21
8	8	11	43	G9410080	£19.01	£15.21
9	10	11	48	G9410090	£27.30	£21.84
10	10	13	50	G9410100	£28.50	£22.80
12	12	15	55	G9410120	£33.87	£27.10
14	14	15	58	G9410140	£50.21	£40.16
16	16	18	62	G9410160	£59.26	£47.41
18	18	20	70	G9410180	£73.09	£58.47
20	20	22	75	G9410200	£96.28	£77.02

▶ Plain Shank only

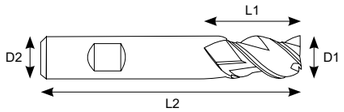
YG K-2

General Purpose

3 FLUTE 45° HELIX COATED CARBIDE SLOT DIRLL

General Purpose Milling of Steel <HRC45, Stainless Steel, Cast Iron, Copper & Aluminium

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- 45° helix and deep flute pockets improve chip control on sticky stainless steel, soft steels, aluminium & copper
- Centre cutting



MG SC | DIN 6527 | 3 | 45° | DIN 6535HB | K2 COATED

Carbon Steels -HB225	Alloy Steels HB225-325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Stainless Steel	Cast Iron	Copper	Aluminium
●	●	●	○	○	○	○	○

D1	D2	L1	L2	Order Code	List Price	Offer Price
3	6	7	57	G9447030	£23.40	£18.72
3.5	6	7	57	G9447035	£23.40	£18.72
4	6	8	57	G9447040	£23.40	£18.72
5	6	10	57	G9447050	£23.40	£18.72
6	6	10	57	G9447060	£23.40	£18.72
8	8	16	63	G9447080	£28.71	£22.97
9	10	16	72	G9447090	£45.13	£36.11
10	10	19	72	G9447100	£45.13	£36.11
12	12	22	83	G9447120	£65.08	£52.07
14	14	22	83	G9447140	£83.08	£66.46
16	16	26	92	G9447160	£110.10	£88.08
18	18	26	92	G9447180	£144.27	£115.41
20	20	32	104	G9447200	£173.77	£139.01

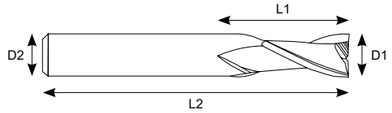
YG K-2

General Purpose

3 FLUTE COATED CARBIDE SLOT DRILL

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining where the best quality is required
- Suitable for dry milling applications at high temperatures (steel only)
- Centre cutting
- Plain shank



MG SC | 3 | 30° | PLAIN

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	4	3	50	G9425010	£14.23	£11.38
1.5	4	4	50	G9425015	£13.74	£10.99
2	4	6	50	G9425020	£11.78	£9.43
2.5	4	8	50	G9425025	£11.78	£9.43
3	3	8	50	G9425030	£11.78	£9.43
3.5	4	10	50	G9425035	£13.11	£10.49
4	4	10	50	G9425040	£13.11	£10.49
4.5	4.5	12	50	G9425045	£13.80	£11.04
5	5	13	50	G9425050	£13.80	£11.04
5.5	5.5	15	50	G9425055	£15.27	£12.22
6	6	15	50	G9425060	£15.27	£12.22
7	7	20	60	G9425070	£20.49	£16.39
8	8	20	60	G9425080	£24.67	£19.74
9	9	20	60	G9425090	£33.38	£26.70
10	10	25	75	G9425100	£37.27	£29.82
12	12	30	75	G9425120	£50.94	£40.75
14	14	40	100	G9425140	£68.00	£54.40
16	16	40	100	G9425160	£89.31	£71.45
20	20	40	100	G9425200	£151.21	£120.97

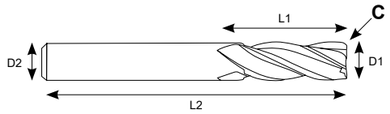
YG K-2

General Purpose

3 FLUTE COATED CARBIDE END MILL CHAMFER PREP

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining where the best quality is required
- Suitable for dry milling applications at high temperatures (steel only)
- Centre cutting with chamfer edge preparation, ideal to protect cutting edge against vibration
- Plain shank



MG SC | 3 | 30° | PLAIN | C x 45°

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	D2	L1	L2	C	Order Code	List Price	Offer Price
3	3	8	50	0.1	G9G47030	£11.78	£9.43
4	4	10	50		G9G47040	£13.11	£10.49
5	5	13	50		G9G47050	£13.80	£11.04
6	6	15	50		G9G47060	£15.27	£12.22
8	8	20	60	0.13	G9G47080	£24.67	£19.74
10	10	25	75		G9G47100	£37.27	£29.82
12	12	30	75	0.18	G9G47120	£50.94	£40.75
14	14	40	100		G9G47140	£68.00	£54.40
16	16	40	100		G9G47160	£89.31	£71.45
20	20	40	100	0.23	G9G47200	£151.21	£120.97

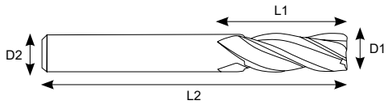
YG K-2

General Purpose

4 FLUTE COATED CARBIDE END MILL

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining where the best quality is required
- Suitable for dry milling applications at high temperatures (steel only)
- Centre cutting



MG SC | 3 | 30° | PLAIN | K2 COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	4	3	50	G9432010	£14.23	£11.38
1.5	4	4	50	G9432015	£13.74	£10.99
2	4	6	50	G9432020	£11.78	£9.43
2.5	4	8	50	G9432025	£11.78	£9.43
3	3	8	50	G9432030	£11.78	£9.43
3	3	20	60	G9453903	£21.44	£17.15
3.5	4	10	50	G9432035	£13.11	£10.49
4	4	10	50	G9432040	£13.11	£10.49
4	4	20	60	G9453904	£22.56	£18.05
4.5	4.5	12	50	G9432045	£13.80	£11.04
5	5	13	50	G9432050	£13.80	£11.04
5	5	25	75	G9453905	£26.17	£20.94
5.5	5.5	15	50	G9432055	£15.27	£12.22
6	6	15	50	G9432060	£15.27	£12.22
6	6	30	75	G9453906	£28.47	£22.78
7	7	20	60	G9432070	£20.49	£16.39
8	8	20	60	G9432080	£24.67	£19.74
8	8	30	75	G9453908	£42.27	£33.81
9	9	20	60	G9432090	£33.38	£26.70
10	10	25	75	G9432100	£37.27	£29.82
10	10	40	100	G9453910	£54.36	£43.49
12	12	30	75	G9432120	£50.94	£40.75
12	12	45	100	G9453912	£82.17	£65.74
14	14	40	100	G9432140	£68.00	£54.40
14	14	45	100	G9453914	£104.32	£83.46
16	16	40	100	G9432160	£89.31	£71.45
16	16	45	100	G9453916	£142.69	£114.16
18	18	45	100	G9453918	£157.90	£126.32
20	20	40	100	G9432200	£151.21	£120.97
20	20	45	100	G9453920	£190.81	£152.64

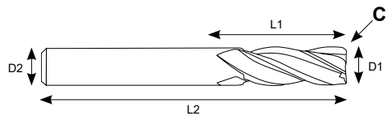
YG K-2

General Purpose

4 FLUTE COATED CARBIDE END MILL CHAMFER PREP

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining where the best quality is required
- Suitable for dry milling applications at high temperatures (steel only)
- Centre cutting with chamfer edge preparation, ideal to protect cutting edge against vibration
- Plain shank



MG SC | 4 | 30° | PLAIN | K2 COATED | C x 45°

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	D2	L1	L2	C	Order Code	List Price	Offer Price
3	3	8	50	0.1	G9G50030	£11.78	£9.43
4	4	10	50		G9G50040	£13.11	£10.49
5	5	13	50		G9G50050	£13.80	£11.04
6	6	15	50		G9G50060	£15.27	£12.22
8	8	20	60	0.13	G9G50080	£24.67	£19.74
10	10	25	75		G9G50100	£37.27	£29.82
12	12	30	75	0.18	G9G50120	£50.94	£40.75
14	14	40	100		G9G50140	£68.00	£54.40
16	16	40	100		G9G50160	£89.31	£71.45
20	20	40	100	0.23	G9G50200	£151.21	£120.97

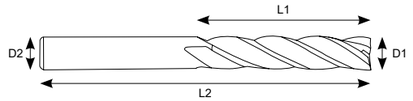
YG 4G MILLS

High Performance

4 FLUTE COATED CARBIDE END MILL FINISHER

Dry or Wet Cutting all Steel, Stainless Steel, Cast Iron & Hardened Steel <HRC55

- Exceptional performance in finishing applications for steel, stainless, cast iron and hardened steel milling
- Temperature resistant 1200°C with outstanding wear resistance
- High accuracy, tolerance 0~-0.03mm
- Wide choice of lengths and diameters
- Centre cutting



MG SC | 4 | 30° | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Hardened Steels HRC45-55	Stainless Steel	Cast Iron
●	●	●	●	○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	6	4	60	SEME7201004E	£42.96	£34.37
		6		SEME7201006E	£45.12	£36.10
1.5	6	6	60	SEME7201506E	£42.96	£34.37
2	6	8	60	SEME7202008E	£39.15	£31.32
		12		SEME7202012E	£43.00	£34.40
		14		SEME7202014E	£46.87	£37.50
2.5	6	10	60	SEME7202510E	£39.15	£31.32
		12		SEME7202512E	£39.15	£31.32
3	6	10	70	SEME7203010E	£52.76	£42.21
		12		SEME7203012E	£52.76	£42.21
		20		SEME7203020E	£52.76	£42.21
		30		SEME7203030E	£63.81	£51.05
4	6	12	70	SEME7204012E	£52.76	£42.21
		16		SEME7204016E	£52.76	£42.21
		20		SEME7204020E	£52.76	£42.21
		30		SEME7204030E	£63.81	£51.05
5	6	20	70	SEME7205020E	£52.76	£42.21
		25	70	SEME7205025E	£59.33	£47.47
		30	80	SEME7205030E	£65.37	£52.29
		40	100	SEME7205040E	£78.53	£62.82
6	6	20	70	SEME7206020E	£52.76	£42.21
		30	80	SEME7206030E	£64.27	£51.42
		35	90	SEME7206035E	£72.37	£57.90
6	6	40	90	SEME7206040E	£73.58	£58.86
		30	100	SEME7206030100E	£69.30	£55.44
		45	150	SEME7206045E	£98.59	£78.87
8	8	30	80	SEME7208030E	£62.20	£49.76
		40	90	SEME7208040E	£74.37	£59.50
		50	100	SEME7208050E	£84.05	£67.24
		50	150	SEME7208050150E	£100.84	£80.67
10	10	30	80	SEME7210030E	£83.47	£66.77
		50	100	SEME7210050E	£107.28	£85.82
		50	200	SEME7210050200E	£166.56	£133.25
12	12	35	90	SEME7212035E	£107.44	£85.95
		40	100	SEME7212040E	£111.67	£89.34
		60	110	SEME7212060E	£142.06	£113.65
		45	130	SEME7212045E	£129.59	£103.67
		60	150	SEME7212060150E	£164.67	£131.73
		60	200	SEME7212060200E	£197.98	£158.39
14	16	50	110	SEME7214050E	£183.10	£146.48
16	16	50	110	SEME7216050E	£183.10	£146.48
		60	120	SEME7216060E	£191.10	£152.88
		70	150	SEME7216070150E	£227.99	£182.39
20	20	60	130	SEME7220060E	£325.91	£260.73
		90	200	SEME7220090200E	£485.84	£388.67
		120	250	SEME72200120E	£640.60	£512.48

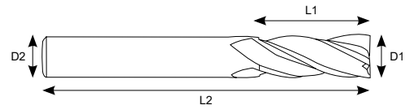
YG 4G MILLS

High Performance

4 FLUTE COATED CARBIDE END MILL MULTIPLE HELIX HEAVY CUTTING

Dry or Wet Cutting all Steel, Stainless Steel, Cast Iron & Hardened Steel <HRC55

- Multiple helix geometry for heavy cutting steel, stainless, cast iron and hardened steel milling
- Temperature resistant 1200°C with outstanding wear resistance
- Anti-vibration geometry
- Wide choice of lengths and diameters
- Centre cutting



MG SC | 4 | 35°/38° | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Hardened Steels HRC45-55	Stainless Steel	Cast Iron
●	●	●	●	○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	6	2	40	SEME7101002E	£41.26	£33.01
		3	50	SEME7101003E	£45.12	£36.10
		6	50	SEME7101006E	£47.37	£37.90
1.5	6	4	50	SEME71015E	£42.96	£34.37
		8	50	SEME7101508E	£47.37	£37.90
		10	50	SEME7101510E	£49.65	£39.72
2	6	2	40	SEME7102002E	£37.51	£30.01
		6	50	SEME71020E	£39.15	£31.32
		12	50	SEME7102012E	£45.16	£36.13
2.5	6	7	50	SEME71025E	£39.15	£31.32
		12	50	SEME7102512E	£41.08	£32.87
3	6	6	40	SEME7103006E	£37.51	£30.01
		12	50	SEME7103012E	£45.45	£36.36
4	6	8	40	SEME7104008E	£37.51	£30.01
		12	50	SEME7104012E	£45.45	£36.36
		16	50	SEME7104016E	£45.45	£36.36
5	6	10	50	SEME7105010E	£37.51	£30.01
5	6	15	60	SEME71050E	£39.15	£31.32
		20	60	SEME7105020E	£46.83	£37.46
6	6	12	50	SEME7106012E	£37.51	£30.01
		15	60	SEME71060E	£39.15	£31.32
		25	60	SEME7106025E	£52.82	£42.25
8	8	16	60	SEME7108016E	£46.99	£37.59
		20	70	SEME71080E	£48.90	£39.12
		30	70	SEME7108030E	£58.30	£46.64
10	10	22	65	SEME7110022E	£69.68	£55.74
		25	75	SEME71100E	£72.37	£57.90
		35	75	SEME7110035E	£83.47	£66.77
12	12	30	80	SEME71120E	£89.53	£71.62
		40	80	SEME7112040E	£100.69	£80.55
14	16	35	100	SEME71140E	£141.73	£113.38
16	16	32	100	SEME7116032E	£141.73	£113.38
		40	100	SEME71160E	£141.73	£113.38
20	20	45	100	SEME71200E	£235.17	£188.13

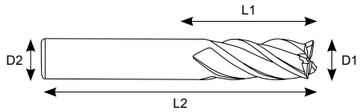
YG JET-POWER

Advanced Performance

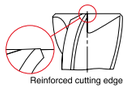
4 FLUTE 35° HELIX COATED CARBIDE SLOT DRILL

High Performance Machining of Stainless Steel & Titanium

- Specific geometry and coating for best tool life and surface finish in stainless steel & titanium milling
- HSC = Suitable for high speed machining
- Reinforced cutting edge reduces chipping of corner edges
- Also suitable for low hardness steels (under HRC45)



MG SC | 4 | 35° | PLAIN | TiAlN 850 | HSC



Alloy Steels HB225-325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium
○	○	●	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
2	4	6	40	EH913020	£22.27	£18.93
2	6	6	40	EH913901	£32.14	£27.32
2.5	4	8	40	EH913025	£22.27	£18.93
2.5	6	8	40	EH913902	£32.14	£27.32
3	6	8	45	EH913030	£32.14	£27.32
3.5	6	10	45	EH913035	£32.14	£27.32
4	6	11	45	EH913040	£32.14	£27.32
4.5	6	11	45	EH913045	£32.14	£27.32
5	6	13	50	EH913050	£32.14	£27.32
5.5	6	13	50	EH913055	£32.14	£27.32
6	6	13	50	EH913060	£32.14	£27.32
6.5	8	16	60	EH913065	£41.13	£34.96
7	8	16	60	EH913070	£41.13	£34.96
7.5	8	16	60	EH913075	£41.13	£34.96
8	8	19	60	EH913080	£41.13	£34.96
8.5	10	19	70	EH913085	£60.88	£51.75
9	10	19	70	EH913090	£60.88	£51.75
9.5	10	19	70	EH913095	£60.88	£51.75
10	10	22	70	EH913100	£60.88	£51.75
11	12	22	75	EH913110	£83.51	£70.99
12	12	26	75	EH913120	£83.51	£70.99
14	16	26	85	EH913140	£138.56	£117.77
16	16	32	100	EH913160	£138.56	£117.77
18	16	32	100	EH913180	£184.09	£156.48
20	20	38	105	EH913200	£229.69	£195.23
22	20	38	105	EH913220	£298.64	£253.85
25	25	45	120	EH913250	£367.50	£312.38

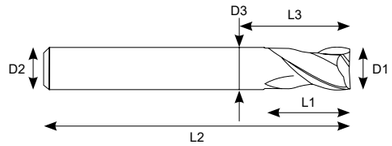
YG X5070

High Performance

4 FLUTE COATED NANOGRAIN CARBIDE NECKED END MILL

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operation, tolerance 0~-0.012mm ≤Ø6, 0~-0.015mm >Ø6
- Silicon based coating with ultra high heat and wear-resistance



NG SC | 2 | 30° | PLAIN | X5070 COATED | HSC

Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Hardened Steels HRC45-55	High Hard. Steels HRC55-70
○	○	●	●

D1	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
1	6	0.95	1.5	50	3	G8A02010	£43.06	£36.60
2	6	1.95	2	50	5	G8A02020	£43.06	£36.60
3	6	2.85	3	55	8	G8A02030	£43.06	£36.60
4	6	3.85	4	55	10	G8A02040	£43.06	£36.60
5	6	4.85	5	55	13	G8A02050	£43.06	£36.60
6	6	5.85	6	55	15	G8A02060	£43.06	£36.60
8	8	7.7	8	65	20	G8A02080	£52.95	£45.01
10	10	9.7	10	75	25	G8A02100	£78.82	£67.00
12	12	11.7	12	85	28	G8A02120	£109.91	£93.42
16	16	15.7	16	90	32	G8A02160	£183.28	£155.79
20	20	19.7	20	105	40	G8A02200	£302.66	£257.26

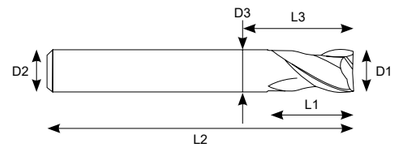
YG 4G MILLS

High Performance

4 FLUTE COATED CARBIDE NECKED END MILL

Excellent Performance on Dry or Wet Cutting all Steel, Stainless, Cast Iron & Hardened Steel <HRC55

- YG-1's Y1200 coating & premium micrograin carbide substrate
- HSC = High speed cutting
- Due to new coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Wide range of neck lengths for rib processing/pocket milling operations



NG SC | 4 | 30° | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Hardened Steels HRC45-55	Stainless Steel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	L3	Order Code	List Price	Offer Price
1	4	1.5	50	4	SEME7301004E	£33.36	£26.69
			50	5	SEME7301005E	£33.36	£26.69
			50	6	SEME7301006E	£33.36	£26.69
			50	8	SEME7301008E	£33.36	£26.69
			50	12	SEME7301012E	£35.24	£28.19
			50	16	SEME7301016E	£36.73	£29.38
			50	20	SEME7301020E	£37.11	£29.69
			70	30	SEME7301030E	£40.80	£32.64
1.5	4	2.3	50	8	SEME7301508E	£33.36	£26.69
			50	10	SEME7301510E	£33.36	£26.69
			50	12	SEME7301512E	£35.24	£28.19
			50	16	SEME7301516E	£36.73	£29.38
			60	22	SEME7301522E	£40.80	£32.64
			70	30	SEME7301530E	£40.80	£32.64
2	4	3	50	8	SEME7302008E	£31.83	£25.47
			50	10	SEME7302010E	£31.83	£25.47
			50	12	SEME7302012E	£31.83	£25.47
			50	14	SEME7302014E	£31.83	£25.47
			50	16	SEME7302016E	£33.90	£27.12
			50	20	SEME7302020E	£33.90	£27.12
			60	26	SEME7302026E	£35.94	£28.75
			70	35	SEME7302035E	£35.94	£28.75
			90	45	SEME7302045E	£44.58	£35.66

D1	D2	L1	L2	L3	Order Code	List Price	Offer Price
3	6	4.5	50	10	SEME7303010E	£47.65	£38.12
			60	16	SEME7303016E	£48.15	£38.52
			65	22	SEME7303022E	£48.15	£38.52
			70	30	SEME7303030E	£61.50	£49.20
			80	40	SEME7303040E	£62.08	£49.66
			100	60	SEME7303060E	£82.73	£66.18
4	6	6	60	16	SEME7304016E	£48.15	£38.52
			60	20	SEME7304020E	£48.15	£38.52
			65	26	SEME7304026E	£48.15	£38.52
			70	35	SEME7304035E	£61.50	£49.20
			80	40	SEME7304040E	£62.08	£49.66
			100	60	SEME7304060E	£82.73	£66.18
5	6	8	60	20	SEME7305020E	£48.15	£38.52
			75	35	SEME7305035E	£61.50	£49.20
			100	60	SEME7305060E	£82.73	£66.18
6	6	9	60	15	SEME7306015E	£48.15	£38.52
			70	30	SEME7306030E	£61.50	£49.20
8	8	12	70	25	SEME7308025E	£60.13	£48.10
			100	42	SEME7308042E	£74.83	£59.86
10	10	15	75	30	SEME7310030E	£89.00	£71.20
			100	45	SEME7310045E	£110.06	£88.05
12	12	20	80	35	SEME7312035E	£110.03	£88.03
			110	50	SEME7312050E	£158.44	£126.76

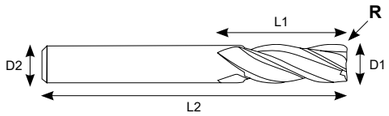
YG K-2

General Purpose

2 FLUTE COATED CARBIDE SLOT DRILLS, CORNER RADIUS

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Designed for milling of radius bottom slots, fillets and special contours



MG SC | 2 | 30° | DIN 6535HA | K2 COATED | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	0.2	4	4	50	G9B82020	£15.11	£12.09
	0.3				G9B82901	£15.11	£12.09
	0.5				G9B82902	£15.11	£12.09
2.5	0.2	4	5	50	G9B82025	£15.11	£12.09
	0.3				G9B82903	£15.11	£12.09
	0.5				G9B82904	£15.11	£12.09
3	0.2	4	6	50	G9B82030	£15.11	£12.09
	0.3				G9B82905	£15.11	£12.09
	0.5				G9B82906	£15.11	£12.09
	1				G9B82907	£15.11	£12.09
	0.5	4	6	75	G9B83030	£17.03	£13.63
	1				G9B83901	£17.03	£13.63
4	0.2	4	8	50	G9B82040	£15.11	£12.09
	0.3				G9B82908	£15.11	£12.09
	0.5				G9B82909	£15.11	£12.09
	1				G9B82910	£15.11	£12.09
	0.5	4	8	75	G9B83040	£17.03	£13.63
	1				G9B83902	£17.03	£13.63
5	0.2	6	10	50	G9B82050	£22.40	£17.92
	0.3				G9B82911	£22.40	£17.92
	0.5				G9B82912	£22.40	£17.92
	1				G9B82913	£22.40	£17.92
	0.5	6	10	75	G9B83050	£24.67	£19.74
	1				G9B83903	£24.67	£19.74
6	0.2	6	12	50	G9B82060	£22.40	£17.92
	0.3				G9B82914	£22.40	£17.92
	0.5				G9B82915	£22.40	£17.92
	1				G9B82916	£22.40	£17.92
	0.5	6	12	75	G9B83060	£24.67	£19.74
	1				G9B83904	£24.67	£19.74

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
8	0.5	8	16	60	G9B82080	£27.33	£21.87
	1				G9B82917	£27.33	£21.87
	1.5				G9B82918	£28.66	£22.93
	2				G9B82919	£28.66	£22.93
	2.5				G9B82920	£28.66	£22.93
	0.5	8	16	100	G9B83080	£31.99	£25.59
	1				G9B83905	£31.99	£25.59
	1.5				G9B83906	£31.99	£25.59
	2				G9B83907	£31.99	£25.59
	2.5				G9B83908	£31.99	£25.59
10	0.5	10	20	75	G9B82100	£41.64	£33.31
	1				G9B82921	£41.64	£33.31
	1.5				G9B82922	£43.66	£34.93
	2				G9B82923	£43.66	£34.93
	2.5				G9B82924	£43.66	£34.93
	0.5	10	20	100	G9B83100	£48.77	£39.02
	1				G9B83909	£48.77	£39.02
	1.5				G9B83910	£48.77	£39.02
	2				G9B83911	£48.77	£39.02
	2.5				G9B83912	£48.77	£39.02
12	0.5	12	24	75	G9B82120	£58.30	£46.64
	1				G9B82925	£58.30	£46.64
	1.5				G9B82926	£61.12	£48.89
	2				G9B82927	£61.12	£48.89
	2.5				G9B82928	£61.12	£48.89
	0.5	12	24	100	G9B83120	£62.22	£49.78
	1				G9B83913	£62.22	£49.78
	1.5				G9B83914	£62.22	£49.78
	2				G9B83915	£62.22	£49.78
	2.5				G9B83916	£62.22	£49.78

YG X5070

High Performance

2 FLUTE COATED NANOGRAIN CARBIDE, MINIATURE, CORNER RADIUS

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Deep slotting is possible with reduced neck
- Silicon based coating with ultra high heat and wear-resistance

NG SC | 2 | 30° | R ±0.010 | PLAIN | X5070 COATED | HSC | CORNER RADIUS

Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Hardened Steels HRC45-55	High Hard. Steels HRC55-70
○	○	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
0.3	-	6	0.45	50	G8A50003	£70.34	£59.79
0.4	-		0.6		G8A50004	£65.96	£56.07
0.5	0.05		0.7		G8A50005	£55.99	£47.59
0.6	0.05		0.9		G8A50006	£53.80	£45.73
0.8	0.05		1.2		G8A50008	£49.58	£42.14
1	0.1		1.5		G8A50010	£47.51	£40.39
1.2	0.1		1.8		G8A50012	£47.51	£40.39
1.5	0.15		2.2		G8A50015	£47.51	£40.39
2	0.15		2.2		G8A50020	£43.10	£36.63

YG 4G MILLS

High Performance

2 FLUTE COATED CARBIDE SLOT DRILLS, CORNER RADIUS

Excellent Performance on Dry or Wet Cutting all Steel, Stainless Steel, Cast Iron & Hardened Steel <HRC55

- YG-1's Y1200 coating & premium micrograin carbide substrate
- HSC = High speed cutting
- Due to special coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Available with various corner radius from R0.02mm to R5.0mm

MG SC | 2 | 30° | PLAIN | Y1200 COATED | HSC | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-45	Hardened Steels HRC45-55	Stainless Steel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
0.3	0.02	4	0.6	40	SEMD99003002E	£62.86	£50.29
	0.05				SEMD99003005E	£62.86	£50.29
0.4	0.05	4	0.8	40	SEMD99004005E	£55.44	£44.35
	0.1				SEMD9900401E	£55.44	£44.35
0.5	0.05	4	1	40	SEMD99005005E	£48.52	£38.82
	0.1				SEMD9900501E	£48.52	£38.82
1	0.05	6	2.5	50	SEMD99010005E	£56.88	£45.50
	0.1				SEMD9901001E	£56.88	£45.50
	0.2				SEMD9901002E	£56.88	£45.50
	0.3				SEMD9901003E	£56.88	£45.50
1.5	0.05	6	4	50	SEMD99015005E	£56.88	£45.50
	0.1				SEMD9901501E	£56.88	£45.50
	0.2				SEMD9901502E	£56.88	£45.50
	0.3	6	4		SEMD9901503E	£56.88	£45.50
	0.5				SEMD9901505E	£56.88	£45.50
2	0.1	6	6	50	SEMD9902001E	£51.73	£41.39
	0.2				SEMD9902002E	£51.73	£41.39
	0.3				SEMD9902003E	£51.73	£41.39
	0.5				SEMD9902005E	£51.73	£41.39
2.5	0.1	6	7	60	SEMD9902501E	£51.73	£41.39
	0.2				SEMD9902502E	£51.73	£41.39
	0.3				SEMD9902503E	£51.73	£41.39
	0.5				SEMD9902505E	£51.73	£41.39
3	0.1	6	8	60	SEMD9903001E	£51.73	£41.39
	0.2				SEMD9903002E	£51.73	£41.39
	0.3				SEMD9903003E	£51.73	£41.39
	0.5				SEMD9903005E	£51.73	£41.39
	1				SEMD9903010E	£51.73	£41.39
4	0.1	4	10	70	SEMD99040014SE	£36.97	£29.58
	0.2				SEMD99040024SE	£36.97	£29.58
	0.3				SEMD99040034SE	£36.97	£29.58
	0.5				SEMD99040054SE	£36.97	£29.58
	1				SEMD99040104SE	£36.97	£29.58
	0.1	4	10	100	SEMD99040011004SE	£43.57	£34.86
	0.2				SEMD99040021004SE	£43.57	£34.86
	0.3				SEMD99040031004SE	£43.57	£34.86
	0.5				SEMD99040051004SE	£43.57	£34.86
	1				SEMD99040101004SE	£43.57	£34.86
5	0.1	6	13	90	SEMD9905001E	£57.04	£45.63
	0.2				SEMD9905002E	£57.04	£45.63
	0.3				SEMD9905003E	£57.04	£45.63
	0.5				SEMD9905005E	£57.04	£45.63
	1				SEMD9905010E	£57.04	£45.63
6	0.2	6	15	60	SEMD9906002060E	£51.73	£41.39
	0.3				SEMD9906003060E	£51.73	£41.39
	0.5				SEMD9906005060E	£51.73	£41.39
	1				SEMD9906010060E	£51.73	£41.39
	0.1	6	15	90	SEMD9906001E	£57.04	£45.63
	0.2				SEMD9906002E	£57.04	£45.63
	0.3				SEMD9906003E	£57.04	£45.63
	0.5				SEMD9906005E	£57.04	£45.63
	1				SEMD9906010E	£57.04	£45.63
	1.5				SEMD9906015E	£60.95	£48.76
	2				SEMD9906020E	£60.95	£48.76
	0.5	6	15	130	SEMD9906005130E	£78.74	£62.99
	1				SEMD9906010130E	£78.74	£62.99

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
8	0.3	8	20	70	SEMD9908003070E	£64.52	£51.61
	0.5				SEMD9908005070E	£64.52	£51.61
	1				SEMD9908010070E	£64.52	£51.61
	0.1	8	20	100	SEMD9908001E	£72.87	£58.30
	0.2				SEMD9908002E	£72.87	£58.30
	0.3				SEMD9908003E	£72.87	£58.30
	0.5				SEMD9908005E	£72.87	£58.30
	1				SEMD9908010E	£72.87	£58.30
	1.5				SEMD9908015E	£77.53	£62.02
	2				SEMD9908020E	£77.53	£62.02
	2.5				SEMD9908025E	£82.18	£65.75
	3				SEMD9908030E	£82.18	£65.75
	0.5	8	20	150	SEMD9908015150E	£86.00	£68.80
	1				SEMD9908010150E	£93.98	£75.18
10	0.3	10	25	75	SEMD9910003075E	£86.96	£69.57
	0.5				SEMD9910005075E	£86.96	£69.57
	1				SEMD9910010075E	£86.96	£69.57
	0.1	10	25	100	SEMD9910001E	£96.27	£77.01
	0.2				SEMD9910002E	£96.27	£77.01
	0.3				SEMD9910003E	£96.27	£77.01
	0.5				SEMD9910005E	£96.27	£77.01
	1				SEMD9910010E	£96.27	£77.01
	1.5				SEMD9910015E	£104.99	£83.99
	2				SEMD9910020E	£104.99	£83.99
	2.5				SEMD9910025E	£104.99	£83.99
	3				SEMD9910030E	£111.27	£89.02
	4				SEMD9910040E	£118.12	£94.49
	0.5	10	25	150	SEMD9910005150E	£126.02	£100.81
	1				SEMD9910010150E	£126.02	£100.81
12	0.3	12	30	80	SEMD9912003080E	£107.22	£85.77
	0.5				SEMD9912005080E	£107.22	£85.77
	1				SEMD9912010080E	£107.22	£85.77
	0.1	12	30	110	SEMD9912001E	£140.87	£112.70
	0.2				SEMD9912002E	£140.87	£112.70
	0.3				SEMD9912003E	£140.87	£112.70
	0.5				SEMD9912005E	£140.87	£112.70
	1				SEMD9912010E	£140.87	£112.70
	1.5				SEMD9912015E	£151.62	£121.30
	2				SEMD9912020E	£151.62	£121.30
	2.5				SEMD9912025E	£151.62	£121.30
	3				SEMD9912030E	£159.45	£127.56
	4				SEMD9912040E	£167.97	£134.37
	5				SEMD9912050E	£177.37	£141.90
	0.5	12	30	150	SEMD9912005150E	£165.16	£132.12
	1				SEMD9912010150E	£165.16	£132.12
14	0.5	16	35	150	SEMD9914005E	£206.18	£164.95
	1				SEMD9914010E	£206.18	£164.95
	2				SEMD9914020E	£224.49	£179.60
16	0.5	16	32	150	SEMD9916005E	£206.18	£164.95
	1				SEMD9916010E	£206.18	£164.95
	1.5				SEMD9916015E	£224.49	£179.60
	2				SEMD9916020E	£224.49	£179.60
20	0.5	20	38	150	SEMD9920005E	£339.67	£271.73
	1				SEMD9920010E	£339.67	£271.73
	1.5				SEMD9920015E	£370.02	£296.02
	2				SEMD9920020E	£370.02	£296.02

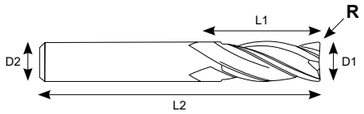
YG K-2

General Purpose

4 FLUTE COATED CARBIDE END MILLS, CORNER RADIUS

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Designed for milling of radius bottom slots, fillets and special contours



MG SC | 4 | 30° | DIN 6535HA | K2 COATED | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	0.2	4	4	50	G9B84020	£15.11	£12.09
	0.3				G9B84901	£15.11	£12.09
	0.5				G9B84902	£15.11	£12.09
2.5	0.2	4	5	50	G9B84025	£15.11	£12.09
	0.3				G9B84903	£15.11	£12.09
	0.5				G9B84904	£15.11	£12.09
3	0.2	4	6	50	G9B84030	£15.11	£12.09
	0.3				G9B84905	£15.11	£12.09
	0.5				G9B84906	£15.11	£12.09
	1				G9B84907	£15.11	£12.09
	0.5	4	6	75	G9B85030	£17.03	£13.63
	1				G9B85901	£17.03	£13.63
4	0.2	4	8	50	G9B84040	£15.11	£12.09
	0.3				G9B84908	£15.11	£12.09
	0.5				G9B84909	£15.11	£12.09
	1				G9B84910	£15.11	£12.09
	0.5	4	8	75	G9B85040	£17.03	£13.63
	1				G9B85902	£17.03	£13.63
5	0.2	6	10	50	G9B84050	£22.40	£17.92
	0.3				G9B84911	£22.40	£17.92
	0.5				G9B84912	£22.40	£17.92
	1				G9B84913	£22.40	£17.92
	0.5	6	10	75	G9B85050	£24.67	£19.74
	1				G9B85903	£24.67	£19.74
6	0.2	6	12	50	G9B84060	£22.40	£17.92
	0.3				G9B84914	£22.40	£17.92
	0.5				G9B84915	£22.40	£17.92
	1				G9B84916	£22.40	£17.92
	0.5	6	12	75	G9B85060	£24.67	£19.74
	1				G9B85904	£24.67	£19.74
8	0.5	8	16	60	G9B84080	£27.33	£21.87
	1				G9B84917	£27.33	£21.87
	1.5				G9B84918	£28.66	£22.93
	2				G9B84919	£28.66	£22.93
	2.5				G9B84920	£28.66	£22.93
	0.5	8	16	100	G9B85080	£31.99	£25.59
	1				G9B85905	£31.99	£25.59
	1.5				G9B85906	£31.99	£25.59
	2				G9B85907	£31.99	£25.59
	2.5				G9B85908	£31.99	£25.59
10	0.5	10	20	75	G9B84100	£41.64	£33.31
	1				G9B84921	£41.64	£33.31
	1.5				G9B84922	£43.66	£34.93
	2				G9B84923	£43.66	£34.93
	2.5				G9B84924	£43.66	£34.93
	0.5	10	20	100	G9B85100	£48.77	£39.02
	1				G9B85909	£48.77	£39.02
	1.5				G9B85910	£48.77	£39.02
	2				G9B85911	£48.77	£39.02
	2.5				G9B85912	£48.77	£39.02
12	0.5	12	24	75	G9B84120	£58.30	£46.64
	1				G9B84925	£58.30	£46.64
	1.5				G9B84926	£61.12	£48.89
	2				G9B84927	£61.12	£48.89
	2.5				G9B84928	£61.12	£48.89
	0.5	12	24	100	G9B85120	£62.22	£49.78
	1				G9B85913	£62.22	£49.78
	1.5				G9B85914	£62.22	£49.78
	2				G9B85915	£62.22	£49.78
	2.5				G9B85916	£62.22	£49.78

HSC & GENERAL MILLING

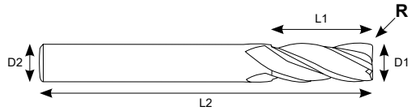
YG 4G MILLS

High Performance

4 FLUTE COATED CARBIDE END MILLS, CORNER RADIUS, MULTIPLE HELIX

Excellent Performance on Dry or Wet Cutting all Steel, Stainless Steel, Cast Iron & Hardened Steel <HRC55

- YG-1's Y1200 coating & premium micrograin carbide substrate
- HSC = High speed cutting
- Vibration is minimised due to Multiple Helix geometry (3mm+ diameter only)
- Due to new coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Available with various corner radius from R0.02mm to R5.0mm



MG SC | 4 | 30° | PLAIN | M-Helix | Y1200 COATED | CORNER RADIUS

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Hardened Steels HRC45~55	Stainless Steel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
1	0.05	6	2.5	50	SEME01010005E	£56.88	£45.50
	0.1				SEME0101001E	£56.88	£45.50
	0.2				SEME0101002E	£56.88	£45.50
	0.3				SEME0101003E	£56.88	£45.50
1.5	0.05	6	4	50	SEME01015005E	£56.88	£45.50
	0.1				SEME0101501E	£56.88	£45.50
	0.2				SEME0101502E	£56.88	£45.50
	0.3				SEME0101503E	£56.88	£45.50
	0.5				SEME0101505E	£56.88	£45.50
2	0.1	6	6	50	SEME0102001E	£51.73	£41.39
	0.2				SEME0102002E	£51.73	£41.39
	0.3				SEME0102003E	£51.73	£41.39
	0.5				SEME0102005E	£51.73	£41.39
2.5	0.1	6	7	60	SEME0102501E	£51.73	£41.39
	0.2				SEME0102502E	£51.73	£41.39
	0.3				SEME0102503E	£51.73	£41.39
	0.5				SEME0102505E	£51.73	£41.39
3	0.1	6	8	60	SEME0103001E	£51.73	£41.39
	0.2				SEME0103002E	£51.73	£41.39
	0.3				SEME0103003E	£51.73	£41.39
	0.5				SEME0103005E	£51.73	£41.39
	1				SEME0103010E	£51.73	£41.39
4	0.1	4	10	70	SEME01040014SE	£36.97	£29.58
	0.2				SEME01040024SE	£36.97	£29.58
	0.3				SEME01040034SE	£36.97	£29.58
	0.5				SEME01040054SE	£36.97	£29.58
	1				SEME01040104SE	£36.97	£29.58
	0.1	4	10	100	SEME01040011004SE	£42.59	£34.07
	0.2				SEME01040021004SE	£42.59	£34.07
	0.3				SEME01040031004SE	£42.59	£34.07
	0.5				SEME01040051004SE	£42.59	£34.07
	1				SEME01040101004SE	£42.59	£34.07
4.5	0.2	6	11	80	SEME0104502E	£54.35	£43.48
	0.3				SEME0104503E	£54.35	£43.48
	0.5				SEME0104505E	£54.35	£43.48
5	0.2	6	13	90	SEME0105002E	£57.04	£45.63
	0.3				SEME0105003E	£57.04	£45.63
	0.5				SEME0105005E	£57.04	£45.63
	1				SEME0105010E	£57.04	£45.63
6	0.1	6	15	60	SEME0106001060E	£51.73	£41.39
	0.2				SEME0106002060E	£51.73	£41.39
	0.2	6	15	90	SEME0106002E	£57.04	£45.63
	0.3				SEME0106003E	£57.04	£45.63
	0.5				SEME0106005E	£57.04	£45.63
	1				SEME0106010E	£57.04	£45.63
	1.5				SEME0106015E	£60.95	£48.76
	2				SEME0106020E	£60.95	£48.76
	0.5	6	15	130	SEME0106005130E	£78.74	£62.99
	1				SEME0106010130E	£78.74	£62.99
8	0.3	8	20	70	SEME0108003070E	£64.52	£51.61
	0.5				SEME0108005070E	£64.52	£51.61
	1				SEME0108010070E	£64.52	£51.61
	0.2	8	20	100	SEME0108002E	£72.87	£58.30
	0.3				SEME0108003E	£72.87	£58.30
	0.5				SEME0108005E	£72.87	£58.30
	1				SEME0108010E	£72.87	£58.30
	1.5				SEME0108015E	£77.53	£62.02
	2				SEME0108020E	£77.53	£62.02
	2.5				SEME0108025E	£82.18	£65.75
	3				SEME0108030E	£82.18	£65.75
	0.5	8	20	150	SEME0108005150E	£93.98	£75.18
	1				SEME0108010150E	£93.98	£75.18
10	0.3	10	25	75	SEME0110003075E	£86.96	£69.57
	0.5				SEME0110005075E	£86.96	£69.57
	1				SEME0110010075E	£86.96	£69.57
	0.2	10	25	100	SEME0110002E	£96.27	£77.01
	0.3				SEME0110003E	£96.27	£77.01
	0.5				SEME0110005E	£96.27	£77.01
	1				SEME0110010E	£96.27	£77.01
	1.5				SEME0110015E	£104.99	£83.99
	2				SEME0110020E	£104.99	£83.99
	2.5				SEME0110025E	£104.99	£83.99
	3				SEME0110030E	£111.27	£89.02
	4				SEME0110040E	£118.12	£94.49
	0.5	10	22	150	SEME0110005150E	£126.02	£100.81
	1				SEME0110010150E	£126.02	£100.81
12	0.3	12	30	80	SEME0112003080E	£107.22	£85.77
	0.5				SEME0112005080E	£107.22	£85.77
	1				SEME0112010080E	£107.22	£85.77
	0.2	12	30	110	SEME0112002E	£140.87	£112.70
	0.3				SEME0112003E	£140.87	£112.70
	0.5				SEME0112005E	£140.87	£112.70
	1				SEME0112010E	£140.87	£112.70
	1.5				SEME0112015E	£151.62	£121.30
	2				SEME0112020E	£151.62	£121.30
	2.5				SEME0112025E	£151.62	£121.30
	3				SEME0112030E	£159.45	£127.56
	4				SEME0112040E	£167.97	£134.37
	5				SEME0112050E	£177.37	£141.90
	0.5	12	30	150	SEME0112005150E	£165.16	£132.12
	1				SEME0112010150E	£165.16	£132.12
16	0.5	16	32	150	SEME0116005E	£206.18	£164.95
	1				SEME0116010E	£206.18	£164.95
	1.5				SEME0116015E	£224.49	£179.60
	2				SEME0116020E	£224.49	£179.60
20	1	20	38	150	SEME0120010E	£339.67	£271.73
	1.5				SEME0120015E	£370.02	£296.02
	2				SEME0120020E	£370.02	£296.02

MULTIPLE HELIX DESIGN

The multiple helix design gives the end mill extra strength in both semi-roughing and finishing conditions, enabling heavier cutting and reducing vibration. The reduced vibration increases tool life and improves surface finish.

HSC & GENERAL MILLING

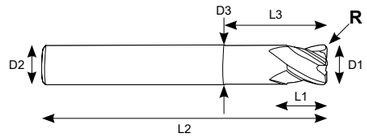
YG 4G MILLS

High Performance

4 FLUTE COATED CARBIDE, NECKED, CORNER RADIUS, MULTIPLE HELIX

Excellent Performance on Dry or Wet Cutting all Steel, Stainless, Cast Iron & Hardened Steel <HRC55

- YG-1's Y1200 coating & premium micrograin carbide substrate
- HSC = High speed cutting
- Due to new coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Vibration is minimised due to Multiple Helix geometry (3mm+ diameter only)



MG SC | 4 | M-Helix | R ±0.02 | PLAIN | Y1200 COATED | HSC | CORNER RADIUS

Carbon & Alloy Steels ~HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Hardened Steels HRC45~55	Stainless Steel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	L3	Order Code	List Price	Offer Price
1	0.1	4	1.5	50	4	SEME640100104E	£44.12	£35.29
					8	SEME640100108E	£44.12	£35.29
	0.2	4	1.5	50	4	SEME640100204E	£44.12	£35.29
					8	SEME640100208E	£44.12	£35.29
	0.3	4	1.5	50	4	SEME640100304E	£44.12	£35.29
					8	SEME640100308E	£44.12	£35.29
1.5	0.1	4	2.3	50	6	SEME640150106E	£44.12	£35.29
					12	SEME640150112E	£46.70	£37.36
	0.2	4	2.3	50	6	SEME640150206E	£44.12	£35.29
					12	SEME640150212E	£46.70	£37.36
	0.3	4	2.3	50	6	SEME640150306E	£44.12	£35.29
					12	SEME640150312E	£46.70	£37.36
	0.5	4	2.3	50	6	SEME640150506E	£44.12	£35.29
					12	SEME640150512E	£46.70	£37.36
2	0.1	4	3	50	6	SEME640200106E	£42.09	£33.67
					12	SEME640200112E	£42.09	£33.67
	0.2	4	3	50	6	SEME640200206E	£42.09	£33.67
					12	SEME640200212E	£42.09	£33.67
	0.3	4	3	50	6	SEME640200306E	£42.09	£33.67
					12	SEME640200312E	£42.09	£33.67
	0.5	4	3	50	6	SEME640200506E	£42.09	£33.67
					12	SEME640200512E	£42.09	£33.67
3	0.2	6	4.5	50	10	SEME640300210E	£63.11	£50.49
					12	SEME640300212E	£63.11	£50.49
	0.2	6	4.5	60	16	SEME640300216E	£63.69	£50.95
					20	SEME640300220E	£63.69	£50.95
	0.3	6	4.5	50	8	SEME640300308E	£63.11	£50.49
					10	SEME640300310E	£63.11	£50.49
					12	SEME640300312E	£63.11	£50.49
	0.3	6	4.5	60	16	SEME640300316E	£63.69	£50.95
	0.5	6	4.5	50	8	SEME640300508E	£63.11	£50.49
					12	SEME640300512E	£63.11	£50.49
					16	SEME640300516E	£63.69	£50.95
	0.5	6	4.5	65	26	SEME640300526E	£63.69	£50.95
	1	6	4.5	50	8	SEME640301008E	£63.11	£50.49
					12	SEME640301012E	£63.11	£50.49
	1	6	4.5	60	16	SEME640301016E	£63.69	£50.95

D1	R	D2	L1	L2	L3	Order Code	List Price	Offer Price
4	0.2	6	6	50	10	SEME640400210E	£65.56	£52.45
				60	16	SEME640400216E	£66.06	£52.85
				65	26	SEME640400226E	£66.06	£52.85
	0.3	6	6	50	12	SEME640400312E	£65.56	£52.45
				60	16	SEME640400316E	£66.06	£52.85
				65	26	SEME640400326E	£66.06	£52.85
	0.5	6	6	50	10	SEME640400510E	£65.56	£52.45
				60	16	SEME640400516E	£66.06	£52.85
				60	20	SEME640400520E	£66.06	£52.85
	1	6	6	50	10	SEME640401010E	£65.56	£52.45
				60	16	SEME640401016E	£66.06	£52.85
				65	26	SEME640401026E	£66.06	£52.85
6	0.3	6	9	60	20	SEME6406003E	£63.65	£50.92
	0.5			60	20	SEME6406005E	£63.65	£50.92
	1			60	20	SEME6406010E	£63.65	£50.92
				90	30	SEME6406010090E	£81.43	£65.14
8	0.2	8	12	70	25	SEME6408002E	£79.35	£63.48
	0.3					SEME6408003E	£79.35	£63.48
	0.5					SEME6408005E	£79.35	£63.48
	1					SEME6408010E	£79.35	£63.48
	1.5					SEME6408015E	£84.88	£67.91
	2					SEME6408020E	£84.88	£67.91
10	0.3	10	15	75	30	SEME6410003E	£107.00	£85.60
	0.5					SEME6410005E	£107.00	£85.60
	1					SEME6410010E	£107.00	£85.60
	1.5					SEME6410015E	£114.43	£91.54
	2					SEME6410020E	£114.43	£91.54
12	0.3	12	18	80	32	SEME6412003E	£131.87	£105.50
	0.5					SEME6412005E	£131.87	£105.50
	1					SEME6412010E	£131.87	£105.50
	1.5					SEME6412015E	£140.95	£112.76
	2					SEME6412020E	£140.95	£112.76
16	0.5	16	20	100	35	SEME6416005E	£208.65	£166.92
	1					SEME6416010E	£208.65	£166.92
20	0.5	20	35	100	40	SEME6420005E	£346.34	£277.07
	1					SEME6420010E	£346.34	£277.07
	0.5	20	35	150	55	SEME6420005150E	£428.66	£342.93
	1					SEME6420010150E	£428.66	£342.93

MULTIPLE HELIX DESIGN

The multiple helix design gives the end mill extra strength in both semi-roughing and finishing conditions, enabling heavier cutting and reducing vibration. The reduced vibration increases tool life and improves surface finish.

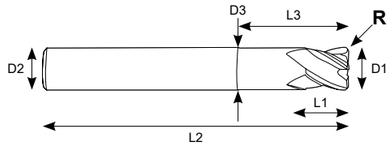
YG X5070

High Performance

4 FLUTE COATED NANOGRAIN CARBIDE, NECKED, CORNER RADIUS

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Deep slotting is possible with reduced neck
- Silicon based coating with ultra high heat and wear-resistance



NG SC | 4 | 30° | R ±0.010 (Up to Ø6) | R ±0.015 (Over Ø6) | PLAIN | X5070 COATED | HSC | CORNER RADIUS

Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Hardened Steels HRC45~55	High Hard. Steels HRC55~70
○	○	●	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
1	0.1	3	-	1.5	40	-	G8A37010	£34.94	£29.70
	0.1	6	-	1.5	40	-	G8A37901	£51.22	£43.54
1.5	0.1	3	-	2.2	40	-	G8A37015	£32.48	£27.61
	0.1	6	-	2.2	40	-	G8A37902	£47.59	£40.45
2	0.1	3	1.95	3	40	6	G8A37020	£31.66	£26.91
	0.1	6		3	40	6	G8A37903	£45.27	£38.48
2.5	0.1	3	2.4	4	40	6	G8A37025	£31.66	£26.91
	0.1	6		4	40	6	G8A37904	£46.29	£39.34
3	0.1	6	2.85	4	45	7	G8A37030	£46.29	£39.34
	0.3			4	55	12	G8A47916	£46.29	£39.34
	0.3			4	55	16	G8A47917	£46.29	£39.34
	0.3			4	55	20	G8A47918	£46.29	£39.34
	0.5			4	55	10	G8A47030	£46.29	£39.34
	0.5			4	55	16	G8A47901	£46.29	£39.34
	0.5			4	55	20	G8A47902	£46.29	£39.34
3.5	0.1	6	3.35	5	45	9	G8A37035	£46.29	£39.34
4	0.1	6	3.85	5	45	9	G8A37040	£46.29	£39.34
	0.3			5	55	12	G8A47919	£46.29	£39.34
	0.3			5	55	16	G8A47920	£46.29	£39.34
	0.3			5	55	20	G8A47921	£46.29	£39.34
	0.5			5	55	12	G8A47040	£46.29	£39.34
	0.5			5	55	16	G8A47903	£46.29	£39.34
	0.5			5	55	20	G8A47904	£46.29	£39.34
	1			5	55	12	G8A47922	£46.29	£39.34
4.5	0.1	6	4.35	6	45	10	G8A37045	£46.29	£39.34
5	0.2	6	4.85	6	50	11	G8A37050	£46.29	£39.34
6	0.2	6	5.85	7	50	14	G8A37060	£46.29	£39.34
	0.5			7	60	20	G8A47060	£46.29	£39.34
	0.5			9	90	20	G8B0806005090	£54.50	£46.32
	1			7	60	20	G8A47905	£46.29	£39.34
	1			9	90	20	G8B0806010090	£54.50	£46.32
	1.5			7	60	20	G8A47906	£46.29	£39.34
8	0.2	8	7.7	9	60	18	G8A37080	£55.99	£47.59
	0.5			9	60	25	G8A47910	£55.99	£47.59
	0.5			12	100	25	G8B0808005100	£67.47	£57.35
	1			9	60	25	G8A47080	£55.99	£47.59
	1			12	100	25	G8B0808010100	£67.47	£57.35
	1.5			9	60	25	G8A47907	£55.99	£47.59
	2			9	60	25	G8A47913	£55.99	£47.59
10	0.2	10	9.7	12	75	25	G8A37100	£83.87	£71.29
	0.5			11	70	32	G8A47911	£83.87	£71.29
	0.5			15	100	32	G8B0810005100	£93.55	£79.51
	1			11	70	32	G8A47100	£83.87	£71.29
	1			15	100	32	G8B0810010100	£93.55	£79.51
	1.5			11	70	32	G8A47908	£83.87	£71.29
	2			11	70	32	G8A47914	£83.87	£71.29
	2			15	100	32	G8B0810020100	£93.55	£79.51
12	0.3	12	11.7	15	75	30	G8A37120	£115.63	£98.29
	0.5			12	80	38	G8A47912	£115.63	£98.29
	0.5			18	110	38	G8B0812005110	£152.96	£130.02
	1			12	80	38	G8A47120	£115.63	£98.29
	1			18	110	38	G8B0812010110	£152.96	£130.02
	1.5			12	80	38	G8A47909	£115.63	£98.29
	2			12	80	38	G8A47915	£115.63	£98.29
	2			18	110	38	G8B0812020110	£152.96	£130.02
16	0.3	16	15.7	18	90	38	G8A37160	£139.21	£118.33
20	0.3	20	19.7	24	100	45	G8A37200	£230.31	£195.76

HSC & GENERAL MILLING

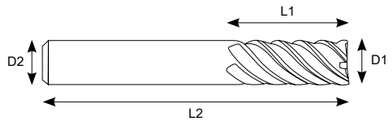
YG K-2

General Purpose

6 FLUTE CARBIDE END MILL 45° HELIX

For General Purpose Milling of Steels <HRC45 & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Suitable for machining at high feed rates for finishing operations
- Exceptional performance in finishing operations due to 45° helix and sharp cutting edges



MG SC | 4&6 | 45° | DIN 6535HA | K2 COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-45	Stainless Steel	Cast Iron
●	●	○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
5	6	13	50	G9F45050	£21.44	£17.15
6	6	16	50	G9F45060	£21.44	£17.15
8	8	19	60	G9F45080	£26.24	£20.99
10	10	22	75	G9F45100	£40.01	£32.01
12	12	26	75	G9F45120	£52.29	£41.83
		50	100	G9F46120	£81.67	£65.33
14	14	30	90	G9F45140	£75.79	£60.63
16	16	32	100	G9F45160	£103.20	£82.56
		65	150	G9F46160	£170.31	£136.25
18	18	38	100	G9F45180	£132.99	£106.39
20	20	38	100	G9F45200	£164.57	£131.66
		75	150	G9F46200	£249.65	£199.72

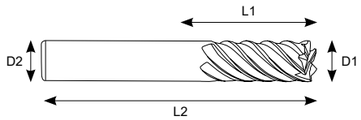
YG JET-POWER

High Performance

6-8 FLUTE ULTRAFINE CARBIDE END MILL 45° HELIX POSITIVE RAKE

For Supreme Finish Milling on Stainless Steel, Titanium & Inconel

- The Jet Power 45° helix end mill features a sharp cutting edge and positive rake angle, specifically designed for finishing applications on stainless steel and heat resistant metals
- TiAlN coated ultrafine micrograin carbide
- HSC = Suitable for high speed machining
- Reinforced cutting edge reduces chipping of corner edges
- Ideal for lower power or older machines where high performance cutting is not possible



MG SC | 6&8 | 45° | PLAIN | TiAlN 850 | HSC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Stainless Steel	Titanium	HRSA's e.g. Inconel
○	○	●	●	●

D1	D2	L1	L2	No. of Flutes	Order Code	List Price	Offer Price
6	6	13	57	6	EH915060	£37.63	£31.98
7	8	16	63		EH915070	£47.56	£40.42
8	8	19	63		EH915080	£47.56	£40.42
9	10	19	72		EH915090	£71.30	£60.61
10	10	22	72		EH915100	£71.30	£60.61
12	12	26	83		EH915120	£96.91	£82.37
14	14	26	83		EH915140	£121.24	£103.06
16	16	32	92		EH915160	£163.00	£138.55
18	18	32	92	8	EH915180	£190.62	£162.03
20	20	38	104		EH915200	£239.52	£203.59
25	25	44	104		EH915250	£422.61	£359.22

YG 4G MILLS

High Performance

6 FLUTE CARBIDE END MILL 45° HELIX

Exceptional Performance on Steel & Hardened Steel <HRC55, Stainless Steel & Cast Iron

- The 4G Mill geometry offers exceptional performance on steels & hardened steels <55 rockwell, as well as good performance in stainless steel and cast iron applications
- YG-1's Y1200 coating & premium micrograin carbide substrate
- HSC = High speed cutting
- Due to new coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Exceptional surface finish in profiling operations
- Available with flute lengths <8xD

MG SC | 6 | 45° | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30-40	Hardened Steels HRC40-70	Stainless Steel	Cast Iron
●	●	●	○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
6	6	15	60	SEME75060E	£44.71	£35.76
		20	70	SEME7506020E	£60.28	£48.22
		30	80	SEME7506030E	£73.46	£58.77
		30	110	SEME7506030110E	£79.18	£63.35
8	8	20	70	SEME75080E	£60.04	£48.03
		30	80	SEME7508030E	£76.37	£61.09
		35	90	SEME7508035E	£85.55	£68.44
		40	90	SEME7508040E	£91.41	£73.13
		40	130	SEME7508040130E	£102.45	£81.96
10	10	25	75	SEME75100E	£84.77	£67.81
		30	80	SEME7510030E	£97.72	£78.17
		40	90	SEME7510040E	£109.19	£87.35
		50	100	SEME7510050E	£125.64	£100.51
		50	150	SEME7510050150E	£150.66	£120.53
12	12	30	80	SEME75120E	£103.92	£83.13
		50	100	SEME7512050E	£145.22	£116.17
		60	110	SEME7512060E	£164.96	£131.97
		60	150	SEME7512060150E	£191.19	£152.95
16	16	40	100	SEME75160E	£167.76	£134.21
		50	110	SEME7516050E	£216.79	£173.43
		60	120	SEME7516060E	£226.27	£181.02
		90	150	SEME7516090E	£296.85	£237.48
		110	200	SEME75160110E	£383.74	£306.99
		110	250	SEME75160110250E	£607.48	£485.98
20	20	45	100	SEME75200E	£256.59	£205.28
		60	120	SEME7520060E	£355.67	£284.54
		70	130	SEME7520070E	£373.34	£298.67
		110	200	SEME75200110E	£576.13	£460.91
		110	250	SEME75200110250E	£698.97	£559.18
		110	300	SEME75200110300E	£739.14	£591.31

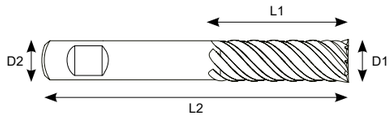
YG V7 Plus

High Performance

6 FLUTE ULTRAFINE CARBIDE END MILL 45° HELIX

High Performance All-Rounder for Stainless Steel, HRSA's, Cast Iron & Steels <HRC40

- Y1200 coated ultrafine micrograin carbide
- The V7+ geometry of the variable pitch reduces chatter for high speed and trochoidal milling
- Can be used for finishing or high feed roughing
- Recommended for use with high performance tool holders



MG SC | 6 | 45° | TROCHOIDAL | PLAIN | WELDON | Y1200 COATED | HSC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	6	13	57	GMG12060	GMG13060	£25.06	£21.30
		24	75	GMG14060	GMG15060	£32.60	£27.71
8	8	19	63	GMG12080	GMG13080	£35.39	£30.08
		32	75	GMG14080	GMG15080	£47.85	£40.67
10	10	22	72	GMG12100	GMG13100	£56.63	£48.13
		40	100	GMG14100	GMG15100	£79.42	£67.50
12	12	26	83	GMG12120	GMG13120	£77.22	£65.64
		48	120	GMG14120	GMG15120	£111.94	£95.15
16	16	32	92	GMG12160	GMG13160	£130.75	£111.14
		64	140	GMG14160	GMG15160	£196.14	£166.72
20	20	38	104	GMG12200	GMG13200	£231.75	£196.99
		80	150	GMG14200	GMG15200	£370.82	£315.20
25	25	44	104	GMG12250	GMG13250	£326.16	£277.24
		100	170	GMG14250	GMG15250	£554.46	£471.29

HSC & GENERAL MILLING

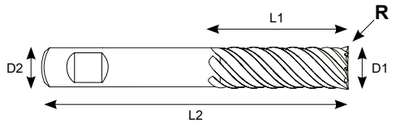
YG V7 Plus

High Performance

6 FLUTE ULTRAFINE CARBIDE 45° HELIX CORNER RADIUS

High Performance All-Rounder for Stainless Steel, HRSA's, Cast Iron & Steels <HRC40

- Y1200 coated ultrafine micrograin carbide
- The V7+ geometry of the variable pitch reduces chatter for high speed and trochoidal milling
- Can be used for finishing or high feed roughing
- Recommended for use with high performance tool holders



MG SC | 6 | 45° | TROCHOIDAL | PLAIN | WELDON | Y1200 COATED | HSC | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	0.5	6	13	57	GMG16060	GMG17060	£30.15	£25.63
	1				GMG16901	GMG17901	£30.15	£25.63
	0.5	6	24	75	GMG18060	GMG19060	£39.24	£33.36
	1				GMG18901	GMG19901	£39.24	£33.36
8	0.5	8	32	75	GMG18080	GMG19080	£56.63	£48.13
	1				GMG18902	GMG19902	£56.63	£48.13
	2				GMG18903	GMG19903	£56.63	£48.13
	0.5	8	19	63	GMG16080	GMG17080	£41.90	£35.62
	1				GMG16902	GMG17902	£41.90	£35.62
10	0.5	10	40	100	GMG18100	GMG19100	£92.76	£78.84
	1				GMG18904	GMG19904	£92.76	£78.84
	1.5				GMG18905	GMG19905	£92.76	£78.84
	2				GMG18906	GMG19906	£92.76	£78.84
	0.5	10	22	72	GMG16100	GMG17100	£66.15	£56.23
	1				GMG16903	GMG17903	£66.15	£56.23
	1.5				GMG16904	GMG17904	£66.15	£56.23
	2				GMG16905	GMG17905	£66.15	£56.23
12	0.5	12	26	83	GMG16120	GMG17120	£90.10	£76.59
	1				GMG16906	GMG17906	£90.10	£76.59
	1.5				GMG16907	GMG17907	£90.10	£76.59
	2				GMG16908	GMG17908	£90.10	£76.59
	3				GMG16909	GMG17909	£90.10	£76.59
	0.5	12	48	120	GMG18120	GMG19120	£130.73	£111.12
	1				GMG18907	GMG19907	£130.73	£111.12
	1.5				GMG18908	GMG19908	£130.73	£111.12
	2				GMG18909	GMG19909	£130.73	£111.12
	3				GMG18910	GMG19910	£130.73	£111.12
16	1	16	32	92	GMG16160	GMG17160	£148.72	£126.41
	1.5				GMG16910	GMG17910	£148.72	£126.41
	2				GMG16911	GMG17911	£148.72	£126.41
	3				GMG16912	GMG17912	£148.72	£126.41
	1	16	64	140	GMG18160	GMG19160	£223.05	£189.59
	1.5				GMG18911	GMG19911	£223.05	£189.59
	2				GMG18912	GMG19912	£223.05	£189.59
	3				GMG18913	GMG19913	£223.05	£189.59
20	1	20	38	104	GMG16200	GMG17200	£266.92	£226.88
	1.5				GMG16913	GMG17913	£266.92	£226.88
	2				GMG16914	GMG17914	£266.92	£226.88
	3				GMG16915	GMG17915	£266.92	£226.88
	1	20	80	150	GMG18200	GMG19200	£427.10	£363.03
	1.5				GMG18914	GMG19914	£427.10	£363.03
	2				GMG18915	GMG19915	£427.10	£363.03
	3				GMG18916	GMG19916	£427.10	£363.03
	4				GMG18917	GMG19917	£427.10	£363.03
	5				GMG18918	GMG19918	£427.10	£363.03
25	1	25	44	104	GMG16250	GMG17250	£375.64	£319.30
	1.5				GMG16916	GMG17916	£375.64	£319.30
	2				GMG16917	GMG17917	£375.64	£319.30
	3				GMG16918	GMG17918	£375.64	£319.30

HSC & GENERAL MILLING

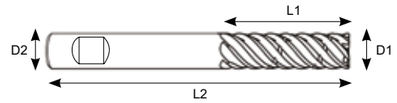
YG V7 Plus

High Performance

6 FLUTE ULTRAFINE CARBIDE END MILL 45° HELIX, CHIP SPLITTER

High Performance All-Rounder for Stainless Steel, HRSA's, Cast Iron & Steels <HRC40

- Y1200 coated ultrafine micrograin carbide
- The V7+ geometry of the variable pitch reduces chatter for high speed and trochoidal milling
- Can be used for finishing or high feed roughing
- Recommended for use with high performance tool holders



MG SC | 6 | 45° | TROCHOIDAL | PLAIN | WELDON | Y1200 COATED | HSC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	6	24	75	GMH56060	GMH57060	£35.86	£30.48
8	8	32	75	GMH56080	GMH57080	£52.64	£44.74
10	10	40	100	GMH56100	GMH57100	£87.36	£74.26
12	12	48	120	GMH56120	GMH57120	£123.14	£104.67
16	16	64	140	GMH56160	GMH57160	£215.76	£183.40
20	20	80	150	GMH56200	GMH57200	£407.90	£346.72
25	25	100	170	GMH56250	GMH57250	£609.92	£518.43

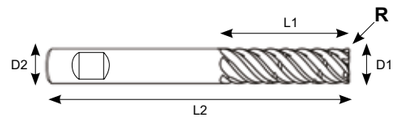
YG V7 Plus

High Performance

6 FLUTE ULTRAFINE CARBIDE END MILL 45° HELIX CORNER RADIUS, CHIP SPLITTER

High Performance All-Rounder for Stainless Steel, HRSA's, Cast Iron & Steels <HRC40

- Y1200 coated ultrafine micrograin carbide
- The V7+ geometry of the variable pitch reduces chatter for high speed and trochoidal milling
- Can be used for finishing or high feed roughing
- Recommended for use with high performance tool holders



MG SC | 6 | 45° | TROCHOIDAL | PLAIN | WELDON | Y1200 COATED | HSC | CORNER RADIUS

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	0.5	6	24	75	GMH58060	GMH59060	£43.17	£36.70
	1				GMH58901	GMH59901	£43.17	£36.70
8	0.5	8	32	75	GMH58080	GMH59080	£62.29	£52.94
	1				GMH58902	GMH59902	£62.29	£52.94
	2				GMH58903	GMH59903	£62.29	£52.94
10	0.5	10	40	100	GMH58100	GMH59100	£102.04	£86.73
	1				GMH58904	GMH59904	£102.04	£86.73
	1.5				GMH58905	GMH59905	£102.04	£86.73
	2				GMH58906	GMH59906	£102.04	£86.73
12	0.5	12	48	120	GMH58120	GMH59120	£143.80	£122.23
	1				GMH58907	GMH59907	£143.80	£122.23
	1.5				GMH58908	GMH59908	£143.80	£122.23
	2				GMH58909	GMH59909	£143.80	£122.23
	3				GMH58910	GMH59910	£143.80	£122.23
16	1	16	64	140	GMH58160	GMH59160	£245.36	£208.56
	1.5				GMH58911	GMH59911	£245.36	£208.56
	2				GMH58912	GMH59912	£245.36	£208.56
	3				GMH58913	GMH59913	£245.36	£208.56
20	1	20	80	150	GMH58200	GMH59200	£469.80	£399.33
	1.5				GMH58914	GMH59914	£469.80	£399.33
	2				GMH58915	GMH59915	£469.80	£399.33

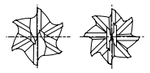
YG X5070

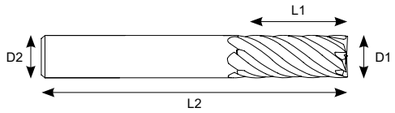
High Performance

6 & 8 FLUTE NANOGRAIN CARBIDE 45° HELIX

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide + Silicon based coating with ultra high heat and wear-resistance
- HSC = High speed cutting (dry)
- Designed for high abrasion resistance thanks to negative rake angle
- Excellent performance side-cutting for mirror finish machining





NG SC | 6&8 | 45° | TROCHOIDAL | PLAIN | X5070 COATED | HSC

Pre Hard. Steels HRC30~40	Hardened Steels HRC40~70
●	●

D1	D2	L1	L2	No. of Flutes	Order Code	List Price	Offer Price
6	6	13	57	6	G8D63060	£52.07	£44.26
		26	70		G8D64060	£68.19	£57.96
8	8	19	63		G8D63080	£65.43	£55.61
		36	90		G8D64080	£88.88	£75.55
10	10	22	72		G8D63100	£98.87	£84.04
		46	100		G8D64100	£139.40	£118.49
12	12	26	83		G8D63120	£135.01	£114.76
		56	110		G8D64120	£196.61	£167.12
14	14	26	83		G8D63140	£169.21	£143.83
16	16	32	92		G8D63160	£228.21	£193.98
		66	130		G8D64160	£343.30	£291.81
18	18	32	92	8	G8D63180	£266.72	£226.71
20	20	38	104		G8D63200	£334.12	£284.00
		76	140		G8D64200	£536.82	£456.30
25	25	44	104		G8D63250	£593.08	£504.12
		92	180		G8D64250	£1,007.39	£856.28

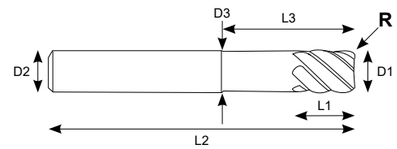
YG X5070

High Performance

6 FLUTE NANOGRAIN CARBIDE 45° HELIX CORNER RADIUS

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide + Silicon based coating with ultra high heat and wear-resistance
- HSC = High speed cutting (dry)
- Designed for high abrasion resistance thanks to negative rake angle
- Excellent performance side-cutting for mirror finish machining



NG SC | 6 | 45° | TROCHOIDAL | PLAIN | X5070 COATED | HSC | CORNER RADIUS

Pre Hard. Steels HRC30~40	Hardened Steels HRC40~70
●	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
6	0.25	6	5.85	6	50	14	G8A39916	£66.51	£56.53
	0.5		5.85	6	50	14	G8A39060	£66.51	£56.53
	0.5		-	13	70	-	G8A39901	£75.50	£64.18
	0.5		-	26	70	-	G8A39910	£91.05	£77.39
8	0.5	8	7.7	8	60	24	G8A39080	£75.61	£64.27
			-	19	90	-	G8A39902	£90.34	£76.79
			-	36	90	-	G8A39911	£112.15	£95.33
10	0.5	10	-	22	100	-	G8A39903	£133.41	£113.40
	1		9.7	10	70	30	G8A39100	£115.69	£98.33
	1		-	22	100	-	G8A39904	£133.41	£113.40
	1		-	46	100	-	G8A39912	£177.26	£150.67
12	0.5	12	-	26	110	-	G8A39905	£182.12	£154.80
	1		11.7	12	75	30	G8A39120	£138.17	£117.45
	1		-	26	110	-	G8A39906	£182.12	£154.80
	1		-	56	110	-	G8A39913	£246.12	£209.20
16	1	16	-	32	130	-	G8A39160	£307.29	£261.20
	1.5		-	32	130	-	G8A39907	£335.65	£285.30
	1.5		-	66	130	-	G8A39914	£431.28	£366.59
20	1	20	-	38	140	-	G8A39200	£449.91	£382.42
	1.5		-	38	140	-	G8A39908	£491.53	£417.80
	2		-	38	140	-	G8A39909	£491.53	£417.80
	2		-	76	140	-	G8A39915	£672.83	£571.91

HSC & GENERAL MILLING

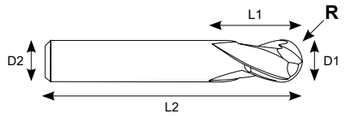
YG K-2

General Purpose

2 FLUTE BALL NOSE COATED CARBIDE

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Designed for milling of radius bottom slots, fillets and special contours
- Ball nosed



MG SC | 2 | 30° | R ±0.02 | DIN 6535HA | K2 COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	1	6	4	48	G9624020	£15.78	£12.62
3	1.5	6	4	48	G9624030	£15.78	£12.62
		3	20	60	G9455903	£23.50	£18.80
		3	5	75	G9454030	£21.17	£16.94
4	2	6	6	50	G9624040	£16.50	£13.20
		4	20	60	G9455904	£24.60	£19.68
		4	8	75	G9454040	£21.17	£16.94
5	2.5	6	7	51	G9624050	£17.12	£13.70
		5	25	75	G9455905	£30.52	£24.42
		5	9	75	G9454050	£23.07	£18.45
6	3	6	7	51	G9624060	£18.61	£14.88
		6	30	75	G9455906	£32.99	£26.39
		6	10	100	G9454060	£26.24	£20.99
8	4	8	9	59	G9624080	£28.85	£23.08
		8	30	75	G9455908	£48.43	£38.74
		8	12	100	G9454080	£39.57	£31.65
10	5	10	10	60	G9624100	£46.09	£36.87
		10	40	100	G9455910	£67.81	£54.25
		10	14	100	G9454100	£66.87	£53.49
12	6	12	14	71	G9624120	£59.10	£47.28
		12	45	100	G9455912	£101.25	£81.00
		12	16	100	G9454120	£85.50	£68.40
14	7	14	14	71	G9624140	£69.57	£55.66
		14	45	100	G9455914	£129.71	£103.77
		14	18	100	G9454140	£108.01	£86.40
16	8	16	16	76	G9624160	£93.17	£74.54
		16	45	100	G9455916	£171.26	£137.01
		16	22	150	G9454160	£147.56	£118.05
18	9	18	18	76	G9624180	£101.22	£80.97
		18	45	100	G9455918	£193.01	£154.41
20	10	20	20	82	G9624200	£143.44	£114.75
		20	45	100	G9455920	£228.95	£183.16
		20	26	150	G9454200	£226.84	£181.47

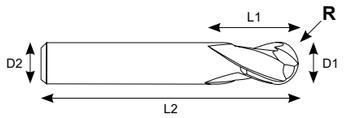
YG EV MILLS

High Performance

2 FLUTE Y-COATED ULTRAFINE CARBIDE BALL NOSE

Economic High Performance Machining of Steels <HRc40, Stainless Steel, HRSA's, Cast Iron

- For precision finishing applications providing higher accuracy than 3 & 4 flute ball nose tools
- Wide flutes allow for smooth chip evacuation
- Suitable for steel <HRC40, stainless steel, exotics and cast iron



MG SC | 2 | 30° | R ±0.005 | R ±0.010 | PLAIN | Y Coating

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	1	6	4.5	38	GMK57020	£14.29	£12.14
3	1.5	6	5.5	38	GMK57030	£14.29	£12.14
4	2	6	7.5	43	GMK57040	£14.29	£12.14
5	2.5	6	9	43	GMK57050	£14.29	£12.14
6	3	6	9	43	GMK57060	£14.29	£12.14
8	4	8	12	50	GMK57080	£20.83	£17.71
10	5	10	14	55	GMK57100	£31.22	£26.54
12	6	12	16.5	60	GMK57120	£41.35	£35.14

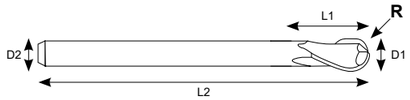
YG 4G MILLS

High Performance

2 FLUTE NANOGRAIN COATED CARBIDE BALL NOSE

Excellent Performance in Dry or Wet Cutting of all Steel, Cast Iron & Hardened Steel <HRC55

- YG-1's Y1200 coating & premium nanograin carbide substrate
- HSC = High speed cutting
- Due to new coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Due to unique ball nose geometry and cutting edges, exceptional surface finish can be achieved



NG SC | 2 | 30° | R ±0.005 (Up to R3) | R ±0.01 (Over R3) | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~70	Stainless Steel	Cast Iron
●	●	●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
0.1	0.05	4	0.1	40	SEMD98001SE	£81.76	£65.41
		4	0.2	40	SEMD98001E	£89.12	£71.30
		3	0.2	40	SEMD980013SE	£86.60	£69.28
0.15	0.075	4	0.15	40	SEMD980015SE	£57.37	£45.90
		4	0.3	40	SEMD980015E	£62.43	£49.94
		3	0.3	40	SEMD9800153SE	£60.64	£48.51
0.2	0.1	4	0.2	40	SEMD98002SE	£63.61	£50.89
		4	0.4	40	SEMD98002E	£69.22	£55.37
		3	0.4	40	SEMD980023SE	£67.18	£53.75
0.3	0.15	4	0.3	40	SEMD98003SE	£53.51	£42.80
		4	0.6	40	SEMD98003E	£58.12	£46.50
		3	0.6	40	SEMD980033SE	£56.42	£45.14
0.4	0.2	4	0.4	40	SEMD98004SE	£44.96	£35.97
		4	0.8	40	SEMD98004E	£48.74	£38.99
		3	0.8	40	SEMD980043SE	£47.37	£37.90
0.5	0.25	4	0.5	40	SEMD98005SE	£41.93	£33.54
		4	1.0	40	SEMD98005E	£45.40	£36.32
		3	1.0	40	SEMD980053SE	£44.18	£35.34
0.6	0.3	4	0.6	40	SEMD98006SE	£41.93	£33.54
		4	1.2	40	SEMD98006E	£45.40	£36.32
		3	1.2	40	SEMD980063SE	£44.18	£35.34
0.7	0.35	4	0.7	40	SEMD98007SE	£39.63	£31.71
		4	1.4	40	SEMD98007E	£42.83	£34.27
		3	1.4	40	SEMD980073SE	£41.64	£33.31
0.8	0.4	4	0.8	40	SEMD98008SE	£36.97	£29.58
		4	1.6	40	SEMD98008E	£39.85	£31.88
		3	1.6	40	SEMD980083SE	£38.77	£31.01
0.9	0.45	4	0.9	40	SEMD98009SE	£36.97	£29.58
		4	1.8	40	SEMD98009E	£39.85	£31.88
		3	1.8	40	SEMD980093SE	£38.77	£31.01
1	0.5	6	1.5	40	SEMD98010040E	£41.56	£33.24
		3	2.5	50	SEMD980103SE	£37.55	£30.04
		4	2.5	50	SEMD980104SE	£39.22	£31.38
		6	2.5	50	SEMD98010E	£41.56	£33.24
		6	2.5	70	SEMD98010070E	£48.66	£38.92
		6	2.5	100	SEMD98010100E	£60.92	£48.73
1.2	0.6	6	2	40	SEMD98012040E	£41.56	£33.24
		3	3	50	SEMD980123SE	£37.55	£30.04
		6	3	70	SEMD98012070E	£48.66	£38.92
		6	3	100	SEMD98012100E	£60.92	£48.73
1.5	0.75	6	2.5	40	SEMD98015040E	£41.56	£33.24
		3	4	50	SEMD980153SE	£37.55	£30.04
		6	4	50	SEMD98015E	£41.56	£33.24
		6	4	70	SEMD98015070E	£48.66	£38.92
		6	4	100	SEMD98015100E	£60.92	£48.73
2	1	6	3	40	SEMD98020040E	£40.68	£32.54
		3	5	50	SEMD980203SE	£36.76	£29.41
		6	5	50	SEMD98020E	£40.68	£32.54
		6	5	80	SEMD98020080E	£45.74	£36.60
		6	5	100	SEMD98020100E	£59.57	£47.66
2.5	1.25	6	4	40	SEMD98025040E	£40.68	£32.54
		3	6	60	SEMD980253SE	£39.04	£31.23
		6	6	60	SEMD98025E	£40.68	£32.54
		6	6	80	SEMD98025080E	£45.74	£36.60
		6	6	100	SEMD98025100E	£59.57	£47.66
3	1.5	6	4.5	40	SEMD98030040E	£40.68	£32.54
		3	6	60	SEMD980303SE	£37.98	£30.38
		4	6	60	SEMD980304SE	£39.22	£31.38
		6	6	60	SEMD98030E	£40.68	£32.54
		6	6	80	SEMD98030080E	£45.74	£36.60
		6	6	100	SEMD98030100E	£59.57	£47.66
3.5	1.75	6	8	70	SEMD98035E	£42.68	£34.14
4	2	6	6	50	SEMD98040050E	£40.68	£32.54
		4	8	70	SEMD980404SE	£40.55	£32.44
		6	8	70	SEMD98040E	£42.68	£34.14
		4	8	100	SEMD980401004SE	£53.13	£42.51
		4	8	120	SEMD980401204SE	£59.20	£47.36
4.5	2.25	6	9	80	SEMD98045E	£45.74	£36.60
5	2.5	6	7.5	60	SEMD98050060E	£40.68	£32.54
		6	10	80	SEMD98050E	£45.74	£36.60
		5	10	80	SEMD980505SE	£52.28	£41.82
5.5	2.75	6	11	90	SEMD98055E	£59.57	£47.66
6	3	6	9	50	SEMD98060050E	£40.68	£32.54
		6	9	60	SEMD98060060E	£40.68	£32.54
		6	9	80	SEMD98060080E	£45.74	£36.60
		6	12	90	SEMD98060E	£59.57	£47.66
		6	12	110	SEMD98060110E	£64.36	£51.49
		6	12	130	SEMD98060130E	£66.31	£53.05
		6	12	150	SEMD98060150E	£75.33	£60.26
6.5	3.25	8	13	90	SEMD98065E	£72.01	£57.61
7	3.5	8	14	90	SEMD98070E	£72.01	£57.61
8	4	8	12	50	SEMD98080050E	£59.17	£47.33
		8	12	60	SEMD98080060E	£59.17	£47.33
		8	12	80	SEMD98080080E	£72.01	£57.61
		8	12	90	SEMD98080090E	£72.01	£57.61
		8	14	100	SEMD98080E	£72.01	£57.61
		8	14	130	SEMD98080130E	£92.95	£74.36
		8	14	150	SEMD98080150E	£102.75	£82.20
8.5	4.25	10	16	100	SEMD98085E	£115.38	£92.30
9	4.5	10	18	100	SEMD98090E	£115.38	£92.30
10	5	10	15	50	SEMD98100050E	£91.90	£73.52
		10	15	60	SEMD98100060E	£91.90	£73.52
		10	15	80	SEMD98100080E	£115.38	£92.30
		10	15	90	SEMD98100090E	£115.38	£92.30
		10	18	100	SEMD98100E	£115.38	£92.30
		10	18	130	SEMD98100130E	£153.40	£122.72
		10	18	150	SEMD98100150E	£172.43	£137.94
		10	18	180	SEMD98100180E	£189.58	£151.67
		10	18	200	SEMD98100200E	£220.54	£176.43
11	5.5	12	20	100	SEMD98110E	£141.51	£113.21
12	6	12	18	60	SEMD98120060E	£104.49	£83.59
		12	18	80	SEMD98120080E	£127.64	£102.11
		12	18	100	SEMD98120100E	£127.64	£102.11
		12	22	110	SEMD98120E	£139.82	£111.85
		12	22	130	SEMD98120130E	£151.82	£121.45
		12	22	150	SEMD98120150E	£172.46	£137.97
		12	22	180	SEMD98120180E	£213.08	£170.47
13	6.5	12	24	100	SEMD98130E	£153.02	£122.41
14	7	12	26	100	SEMD98140E	£139.71	£111.77
		14	26	100	SEMD9814014SE	£139.71	£111.77
		16	26	100	SEMD9814016SE	£170.12	£136.10
15	7.5	16	28	140	SEMD98150E	£247.22	£197.78
16	8	16	24	100	SEMD98160100E	£170.12	£136.10
		16	24	130	SEMD98160130E	£225.73	£180.58
		16	30	180	SEMD98160180E	£264.91	£211.93
		16	30	200	SEMD98160200E	£295.19	£236.15
18	9	16	34	150	SEMD98180E	£265.42	£212.33
		18	34	150	SEMD9818018SE	£265.42	£212.33
20	10	20	30	100	SEMD98200100E	£266.27	£213.01
		20	30	130	SEMD98200130E	£334.36	£267.49
		20	38	150	SEMD98200E	£334.36	£267.49
		20	38	200	SEMD98200200E	£432.02	£345.62

HSC & GENERAL MILLING

YG X5070

High Performance

2 FLUTE COATED NANOGRAIN CARBIDE MINIATURE BALL NOSE

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operation
- Silicon based coating with ultra high heat and wear-resistance

NG SC | 2 | 30° | R ±0.005 | R ±0.010 | PLAIN | X5070 COATED | HSC

Pre Hard. Steels	Hardened Steels		High Hard. Steels
HRC30~40	HRC40~45	HRC45~55	HRC55~70
○	○	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
0.4	0.2	6	0.4	50	G8A53004	£71.53	£60.80
0.5	0.25		0.5		G8A53005	£69.04	£58.68
0.6	0.3		0.6		G8A53006	£63.03	£53.57
0.8	0.4		0.8		G8A53008	£51.60	£43.86
1	0.5		1.0		G8A53010	£48.65	£41.35
1.2	0.6		1.2		G8A53012	£48.65	£41.35
1.5	0.75		1.5		G8A53015	£48.65	£41.35
2	1.0		2.0		G8A53020	£43.93	£37.34

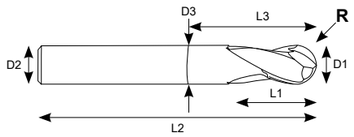
YG X5070

High Performance

2 FLUTE COATED NANOGRAIN CARBIDE BALL NOSE

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operation
- Silicon based coating with ultra high heat and wear-resistance



NG SC | 2 | 30° | R ±0.005 (Up to R3) | R ±0.01 (Over R3) | PLAIN | X5070 COATED | HSC

Pre Hard. Steels	Hardened Steels		High Hard. Steels
HRC30~40	HRC40~45	HRC45~55	HRC55~70
○	○	●	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
0.1	0.05	4	-	0.2	40	-	G8A28001	£84.97	£72.23
0.2	0.1	4	-	0.3	40	-	G8A28002	£70.31	£59.76
0.3	0.15	4	-	0.5	40	-	G8A28003	£62.68	£53.28
0.4	0.2	4	-	0.6	40	-	G8A28004	£58.55	£49.77
0.5	0.25	4	-	0.7	40	-	G8A28005	£54.57	£46.39
0.6	0.3	4	-	0.9	40	-	G8A28006	£49.12	£41.75
0.7	0.35	4	-	1.1	40	-	G8A28007	£49.12	£41.75
0.8	0.4	4	-	1.2	40	-	G8A28008	£48.08	£40.87
0.9	0.45	4	-	1.4	40	-	G8A28009	£48.08	£40.87
1	0.5	4	0.95	1	50	2.2	G8A38010	£53.72	£45.66
1	0.5	6	0.95	1.5	50	3	G8A28010	£47.02	£39.97
1.2	0.6	4	1.15	1.2	50	2.6	G8A38012	£53.72	£45.66
1.5	0.75	4	1.45	1.5	50	3	G8A38015	£53.72	£45.66
1.5	0.75	6	1.45	2	50	4	G8A28015	£54.79	£46.57
2	1	6	1.95	2	50	4	G8A38020	£54.79	£46.57
2	1	6	1.95	2.5	50	5	G8A28020	£50.97	£43.33
2.5	1.25	6	2.4	3	50	7	G8A28025	£54.79	£46.57
3	1.5	6	2.85	3	60	6	G8A38030	£54.79	£46.57
3	1.5	6	2.85	4	60	10	G8A28030	£54.79	£46.57
3.5	1.75	6	3.35	4.5	60	10	G8A28035	£54.79	£46.57
4	2	6	3.85	4	70	8	G8A38040	£57.20	£48.62
4	2	6	3.85	5	60	10	G8A28040	£54.79	£46.57
4.5	2.25	6	4.35	5.5	60	10	G8A28045	£58.97	£50.12

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
5	2.5	6	4.85	5	80	10	G8A38050	£58.97	£50.12
5	2.5	6	4.85	6	60	12	G8A28050	£58.97	£50.12
5.5	2.75	6	5.35	6.5	60	12	G8A28055	£58.97	£50.12
6	3	6	5.85	6	90	12	G8A38060	£63.25	£53.76
6	3	6	5.85	7	60	15	G8A28060	£58.97	£50.12
6	3	6	5.85	9	90	30	G8A28903	£72.93	£61.99
7	3.5	8	6.7	7	90	14	G8A38070	£95.39	£81.08
8	4	8	7.7	8	100	16	G8A38080	£94.39	£80.23
8	4	8	7.7	9	60	15	G8A28901	£92.83	£78.91
8	4	8	7.7	9	80	15	G8A28080	£94.42	£80.26
8	4	8	7.7	12	100	30	G8A28904	£108.83	£92.51
9	4.5	10	8.7	9	100	18	G8A38090	£152.68	£129.78
10	5	10	9.7	10	100	20	G8A38100	£152.68	£129.78
10	5	10	9.7	11	60	25	G8A28902	£155.91	£132.52
10	5	10	9.7	11	80	25	G8A28100	£155.91	£132.52
10	5	10	9.7	15	100	30	G8A28905	£177.41	£150.80
12	6	12	11.7	12	110	24	G8A38120	£196.00	£166.60
12	6	12	11.7	14	80	25	G8A28120	£191.25	£162.56
14	7	14	13.7	14	110	28	G8A38140	£247.95	£210.75
16	8	16	15.7	16	140	32	G8A38160	£327.41	£278.30
18	9	18	17.7	18	140	36	G8A38180	£353.49	£300.47
20	10	20	19.7	20	160	40	G8A38200	£501.19	£426.01
25	12.5	25	24.7	25	180	50	G8A38250	£812.56	£690.67

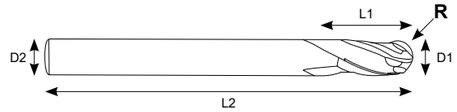
YG X5070

High Performance

3 FLUTE COATED NANOGRAIN CARBIDE BALL NOSE

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operation
- Silicon based coating with ultra high heat and wear-resistance



NG SC | 3 | 30° | R ±0.005 (Up to R3) | R ±0.01 (Over R3) | PLAIN | X5070 COATED | HSC

Pre Hard. Steels	Hardened Steels		High Hard. Steels
HRC30~40	HRC40~45	HRC45~55	HRC55~70
○	○	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
3	1.5	6	8	60	G8A59030	£61.63	£52.38
4	2	6	8	70	G8A59040	£64.53	£54.85
5	2.5	6	10	80	G8A59050	£67.75	£57.59
6	3	6	12	90	G8A59060	£70.82	£60.20
8	4	8	14	100	G8A59080	£110.93	£94.29
10	5	10	18	100	G8A59100	£184.73	£157.02
12	6	12	22	110	G8A59120	£237.65	£202.00
16	8	16	30	140	G8A59160	£397.19	£337.61
20	10	20	38	160	G8A59200	£609.01	£517.66

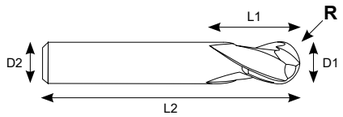
YG EV MILLS

High Performance

3 FLUTE Y-COATED ULTRAFINE CARBIDE BALL NOSE

Economic High Performance Machining of Steels <HRc40, Stainless Steel, HRSA's, Cast Iron

- For roughing and semi-finishing applications having one edge to centre
- Smooth cutting action, unequal flute geometry and variable multiple helix eliminate vibrations
- Suitable for steel <HRC40, stainless steel, exotics and cast iron



MG SC | 3 | 43°/45°/47° | R ±0.020 | PLAIN | Y Coating

Carbon & Alloy Steels	Pre Hard. Steels	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
<HB325	HRC30~40				
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	1	6	4.5	38	GMK62020	£14.29	£12.14
3	1.5	6	5.5	38	GMK62030	£15.87	£13.49
4	2	6	7.5	38	GMK62040	£15.87	£13.49
5	2.5	6	9	38	GMK62050	£15.87	£13.49
6	3	6	9	38	GMK62060	£15.87	£13.49
8	4	8	12	43	GMK62080	£23.14	£19.67
10	5	10	14	50	GMK62100	£34.70	£29.49
12	6	12	16.5	55	GMK62120	£45.95	£39.06

HSC & GENERAL MILLING

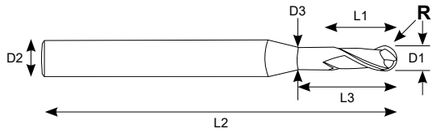
YG K-2

General Purpose

2 FLUTE COATED CARBIDE BALL NOSE RIB PROCESSING

General Purpose Milling of Steel <HRC45, Stainless Steel & Cast Iron

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Long neck ball nosed for deep pocket milling



MG SC | 2 | 30° | R ±0.02 | DIN 6535HA | K2 COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
0.4	0.2	4	0.37	0.7	50	2	G9B81004	£46.57	£37.25
0.5	0.25	4	0.45	0.75	50	2	G9B81005	£40.35	£32.28
						4	G9B81901	£40.35	£32.28
						6	G9B81902	£46.57	£37.25
0.6	0.3	4	0.55	0.9	50	2	G9B81006	£40.35	£32.28
						4	G9B81903	£40.35	£32.28
						6	G9B81904	£40.35	£32.28
0.8	0.4	4	0.75	1.2	50	4	G9B81008	£31.23	£24.98
						6	G9B81905	£31.23	£24.98
						8	G9B81906	£31.23	£24.98
1	0.5	4	0.95	1.5	50	6	G9B81010	£28.75	£23.00
						8	G9B81907	£28.75	£23.00
						10	G9B81908	£28.75	£23.00
						12	G9B81909	£30.67	£24.54
1.2	0.6	4	1.15	1.8	50	8	G9B81012	£28.75	£23.00
						12	G9B81910	£30.67	£24.54
1.5	0.75	4	1.45	2.3	50	6	G9B81015	£28.75	£23.00
						8	G9B81911	£28.75	£23.00
						10	G9B81912	£28.75	£23.00
						12	G9B81913	£30.67	£24.54
						16	G9B81914	£32.43	£25.95
						20	G9B81915	£32.43	£25.95
1.6	0.8	4	1.55	2.4	50	8	G9B81016	£28.75	£23.00
						12	G9B81916	£30.67	£24.54
						16	G9B81917	£32.43	£25.95
2	1	4	1.95	3	50	8	G9B81020	£26.86	£21.49
						10	G9B81919	£26.86	£21.49
						12	G9B81920	£26.86	£21.49
						16	G9B81922	£28.50	£22.80
						20	G9B81923	£29.73	£23.78
3	1.5	6	2.85	4.5	50	10	G9B81030	£32.36	£25.89
					50	12	G9B81924	£32.36	£25.89
					60	16	G9B81925	£39.16	£31.33
					60	20	G9B81926	£42.05	£33.64
					75	25	G9B81927	£43.58	£34.87
4	2	6	3.85	6	50	12	G9B81040	£31.33	£25.06
					60	16	G9B81928	£39.16	£31.33
					75	20	G9B81929	£43.58	£34.87
					75	25	G9B81930	£43.58	£34.87
					75	30	G9B81931	£45.21	£36.17

HSC & GENERAL MILLING

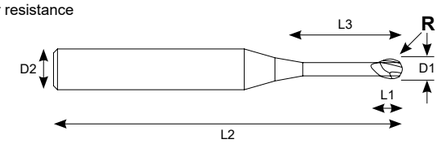
YG 4G MILLS

High Performance

2 FLUTE COATED CARBIDE BALL NOSE RIB PROCESSING

Excellent Performance on Dry or Wet Cutting all Steel, Cast Iron & Hardened Steel <HRC55

- YG-1's Y1200 coating & premium nanograin carbide substrate
- HSC = High speed cutting
- Due to new coating and tool geometry, 4G Mills can machine up to 1200°C with outstanding wear resistance
- Due to unique ball nose geometry and cutting edges, exceptional surface finish can be achieved



NG SC | 2 | 30° | Up to R3 R ±0.005 | Over R3 R ±0.01 | PLAIN | Y1200 COATED | HSC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~70	Stainless Steel	Cast Iron
●	●	●	●	●

D1	R	D2	L1	L2	L3	Order Code	List Price	Offer Price
0.1	0.05	4	0.1	40	0.2	SEM846001002E	£125.44	£100.35
					0.3	SEM846001003E	£125.44	£100.35
					0.5	SEM846001005E	£125.44	£100.35
					1	SEM84600101E	£125.44	£100.35
0.2	0.1	4	0.2	40	0.5	SEM846002005E	£97.27	£77.81
					1	SEM84600201E	£97.27	£77.81
					1.5	SEM846002015E	£97.27	£77.81
					2	SEM84600202E	£111.89	£89.51
					3	SEM84600203E	£111.89	£89.51
0.3	0.15	4	0.3	40	1	SEM84600301E	£82.06	£65.65
					2	SEM84600302E	£82.06	£65.65
					3	SEM84600303E	£82.06	£65.65
					5	SEM84600305E	£82.06	£65.65
0.4	0.2	4	0.4	40	1	SEM84600401E	£61.28	£49.02
					3	SEM84600403E	£70.38	£56.31
					5	SEM84600405E	£70.38	£56.31
					8	SEM84600408E	£80.98	£64.79
					10	SEM84600410E	£105.25	£84.20
0.5	0.25	4	0.5	45	1	SEM84600501E	£61.99	£49.59
					3	SEM84600503E	£61.99	£49.59
					5	SEM84600505E	£61.99	£49.59
					8	SEM84600508E	£71.04	£56.84
					12	SEM84600512E	£98.23	£78.58
					16	SEM84600516E	£104.99	£83.99
0.6	0.3	4	0.6	45	1	SEM84600601E	£61.99	£49.59
					3	SEM84600603E	£61.99	£49.59
					5	SEM84600605E	£61.99	£49.59
					8	SEM84600608E	£71.04	£56.84
					12	SEM84600612E	£98.23	£78.58
					16	SEM84600616E	£104.99	£83.99
0.7	0.35	4	0.7	45	2	SEM84600702E	£61.99	£49.59
					6	SEM84600706E	£61.99	£49.59
					10	SEM84600710E	£92.37	£73.89
					12	SEM84600712E	£98.23	£78.58
0.9	0.45	4	0.9	45	4	SEM84600904E	£48.56	£38.85
					6	SEM84600906E	£48.56	£38.85
					8	SEM84600908E	£48.56	£38.85
					10	SEM84600910E	£62.61	£50.09
1	0.5	4	1	50	2	SEM84601002E	£44.92	£35.93
				50	4	SEM84601004E	£44.92	£35.93
				50	8	SEM84601008E	£44.92	£35.93
				50	10	SEM84601010E	£44.92	£35.93
				50	14	SEM84601014E	£47.65	£38.12
				50	20	SEM84601020E	£52.35	£41.88
				60	22	SEM84601022E	£57.71	£46.17
				60	26	SEM84601026E	£62.57	£50.06
				70	30	SEM84601030E	£69.22	£55.37
				100	50	SEM84601050E	£85.80	£68.64
1.2	0.6	4	1.2	50	4	SEM84601204E	£44.92	£35.93
					8	SEM84601208E	£44.92	£35.93
					12	SEM84601212E	£47.65	£38.12
					16	SEM84601216E	£50.35	£40.28
					20	SEM84601220E	£52.35	£41.88
1.4	0.7	4	1.4	50	6	SEM84601406E	£44.92	£35.93
					10	SEM84601410E	£44.92	£35.93
					16	SEM84601416E	£50.35	£40.28
1.5	0.75	4	1.5	50	3	SEM84601503E	£44.92	£35.93
				50	4	SEM84601504E	£44.92	£35.93
				50	6	SEM84601506E	£44.92	£35.93
				50	8	SEM84601508E	£44.92	£35.93
				50	12	SEM84601512E	£47.65	£38.12
				50	16	SEM84601516E	£50.35	£40.28
				50	20	SEM84601520E	£52.35	£41.88
				70	30	SEM84601530E	£69.22	£55.37
				80	40	SEM84601540E	£77.85	£62.28

D1	R	D2	L1	L2	L3	Order Code	List Price	Offer Price
1.6	0.8	4	1.6	50	4	SEM84601604E	£44.92	£35.93
					8	SEM84601608E	£44.92	£35.93
					12	SEM84601612E	£47.65	£38.12
					20	SEM84601620E	£52.35	£41.88
1.8	0.9	4	1.8	50	4	SEM84601804E	£44.92	£35.93
					8	SEM84601808E	£44.92	£35.93
					12	SEM84601812E	£47.65	£38.12
					20	SEM84601820E	£52.35	£41.88
2	1	4	2	50	4	SEM84602004E	£42.09	£33.67
				50	8	SEM84602008E	£42.09	£33.67
				50	12	SEM84602012E	£42.09	£33.67
				50	16	SEM84602016E	£44.37	£35.50
				50	20	SEM84602020E	£47.65	£38.12
				70	30	SEM84602030E	£54.64	£43.71
				70	35	SEM84602035E	£54.64	£43.71
				80	40	SEM84602040E	£61.83	£49.47
				110	60	SEM84602060E	£84.72	£67.77
2.5	1.25	4	2.5	50	8	SEM84602508E	£42.09	£33.67
				50	12	SEM84602512E	£42.09	£33.67
				50	20	SEM84602520E	£47.65	£38.12
				70	30	SEM84602530E	£54.64	£43.71
				70	35	SEM84602535E	£54.64	£43.71
				80	40	SEM84602540E	£61.83	£49.47
				100	50	SEM84602550E	£73.58	£58.86
3	1.5	6	3	50	6	SEM84603006E	£51.43	£41.14
				50	8	SEM84603008E	£51.43	£41.14
				50	12	SEM84603012E	£51.43	£41.14
				60	14	SEM84603014E	£62.16	£49.73
				60	20	SEM84603020E	£66.59	£53.28
				65	22	SEM84603022E	£67.07	£53.65
				65	26	SEM84603026E	£67.07	£53.65
				80	40	SEM84603040E	£89.54	£71.63
				90	45	SEM84603045E	£97.18	£77.74
				100	50	SEM84603050E	£105.49	£84.39
				100	60	SEM84603060E	£105.49	£84.39
4	2	6	4	50	8	SEM84604008E	£51.43	£41.14
				50	12	SEM84604012E	£51.43	£41.14
				60	14	SEM84604014E	£62.16	£49.73
				60	20	SEM84604020E	£66.59	£53.28
				70	30	SEM84604030E	£72.21	£57.77
				80	40	SEM84604040E	£89.54	£71.63
				90	45	SEM84604045E	£97.18	£77.74
5	2.5	6	6	60	15	SEM84605015E	£62.16	£49.73
				60	20	SEM84605020E	£66.59	£53.28
				70	30	SEM84605030E	£72.21	£57.77
				70	35	SEM84605035E	£78.70	£62.96
				80	40	SEM84605040E	£89.54	£71.63
				100	50	SEM84605050E	£105.49	£84.39
				100	60	SEM84605060E	£105.49	£84.39
6	3	6	8	60	20	SEM84606020E	£66.59	£53.28
				60	30	SEM84606030E	£66.59	£53.28
6	3	6	12	90	20	SEM84606020090E	£85.00	£68.00
				90	30	SEM84606030090E	£91.41	£73.13
8	4	8	10	70	25	SEM84608025E	£83.88	£67.10
				70	35	SEM84608035E	£83.88	£67.10
8	4	8	14	100	25	SEM84608025100E	£92.40	£73.92
				100	35	SEM84608035100E	£92.40	£73.92
10	5	10	12	75	30	SEM84610030E	£128.93	£103.15
				75	40	SEM84610040E	£128.93	£103.15
10	5	10	18	100	30	SEM84610030100E	£140.57	£112.46
				100	40	SEM84610040100E	£140.57	£112.46
12	6	12	14	80	32	SEM84612032E	£137.87	£110.30
				80	45	SEM84612045E	£137.87	£110.30
12	6	12	22	110	32	SEM84612032110E	£166.57	£133.26
				110	45	SEM84612045110E	£166.57	£133.26

HSC & GENERAL MILLING

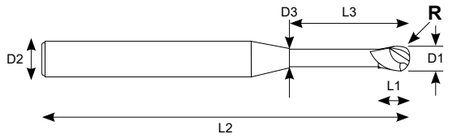
YG X5070

High Performance

2 FLUTE COATED NANOGRAIN CARBIDE BALL NOSE RIB PROCESSING

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operation
- Silicon based coating with ultra high heat and wear-resistance



NG SC | 2 | 30° | R ±0.005 | PLAIN | X5070 COATED | HSC

Pre Hard. Steels	Hardened Steels		High Hard. Steels
HRC30-40	HRC40-45	HRC45-55	HRC55-70
○	○	●	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
0.1	0.05	4	0.085	0.1	45	0.3	G8A46805	£81.29	£69.10
						0.5	G8A46806	£81.29	£69.10
0.2	0.1	4	0.17	0.2	45	0.5	G8A46002	£67.75	£57.59
						1	G8A46977	£67.75	£57.59
						1.5	G8A46958	£67.75	£57.59
0.3	0.15	4	0.27	0.3	45	1	G8A46003	£59.41	£50.50
						2	G8A46959	£59.41	£50.50
						3	G8A46986	£59.41	£50.50
0.4	0.2	4	0.37	0.4	45	1	G8A46004	£58.55	£49.77
						2	G8A46960	£62.71	£53.30
						3	G8A46961	£62.71	£53.30
						4	G8A46981	£62.71	£53.30
						5	G8A46987	£62.71	£53.30
0.5	0.25	4	0.45	0.4	45	2	G8A46005	£58.55	£49.77
		4		0.4	45	2.5	G8A46804	£58.55	£49.77
		4		0.4	45	4	G8A46962	£58.55	£49.77
		4		0.4	45	6	G8A46963	£62.71	£53.30
		4		0.4	45	8	G8A46964	£62.71	£53.30
		6		0.5	50	1.5	G8A54005	£71.50	£60.78
		6		0.5	50	3.3	G8A54901	£71.50	£60.78
0.6	0.3	4	0.55	0.5	45	2	G8A46957	£44.48	£37.81
				0.5	45	3	G8A46988	£44.48	£37.81
				0.5	45	4	G8A46915	£46.48	£39.51
				0.5	45	5	G8A46989	£46.48	£39.51
				0.5	45	6	G8A46916	£46.48	£39.51
				0.5	45	8	G8A46917	£61.63	£52.38
				0.5	45	10	G8A46990	£61.63	£52.38
				0.6	50	2	G8A54006	£63.03	£53.57
				0.6	50	4	G8A54902	£63.03	£53.57
0.8	0.4	4	0.75	0.6	45	2	G8A46918	£46.48	£39.51
		4		0.6	45	4	G8A46919	£46.48	£39.51
		4		0.6	45	6	G8A46008	£46.48	£39.51
		4		0.6	45	8	G8A46901	£46.48	£39.51
		4		0.6	45	10	G8A46965	£48.90	£41.57
		6		0.8	50	2.5	G8A54008	£52.13	£44.31
		6		0.8	50	5.5	G8A54903	£52.13	£44.31
1	0.5	4	0.95	0.8	45	3	G8A46920	£41.92	£35.63
				0.8	45	5	G8A46923	£41.92	£35.63
				0.8	45	6	G8A46010	£41.92	£35.63
				0.8	45	8	G8A46902	£44.48	£37.81
				0.8	45	10	G8A46903	£44.48	£37.81
				0.8	45	12	G8A46904	£44.48	£37.81
				0.8	50	14	G8A46926	£52.58	£44.69

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
1	0.5	4	0.95	0.8	50	16	G8A46927	£52.58	£44.69
		4		0.8	55	20	G8A46966	£59.45	£50.53
		6		1	50	3.3	G8A54010	£59.48	£50.56
		6		1	50	6.7	G8A54904	£59.48	£50.56
		6		1	50	12	G8A54905	£63.51	£53.98
1.2	0.6	4	1.15	1	45	6	G8A46982	£49.35	£41.95
		4		1	45	8	G8A46012	£49.35	£41.95
		4		1	45	10	G8A46983	£49.35	£41.95
		4		1	45	12	G8A46905	£52.58	£44.69
		6		1.2	50	4.4	G8A54012	£59.48	£50.56
		6		1.2	50	8	G8A54906	£63.51	£53.98
1.5	0.75	4	1.45	1.2	45	6	G8A46930	£44.48	£37.81
		4		1.2	45	8	G8A46015	£44.48	£37.81
		4		1.2	45	10	G8A46931	£44.48	£37.81
		4		1.2	45	12	G8A46906	£52.58	£44.69
		4		1.2	50	14	G8A46992	£52.58	£44.69
		4		1.2	50	16	G8A46907	£56.25	£47.81
		4		1.2	55	20	G8A46932	£56.25	£47.81
		6		1.5	50	5	G8A54015	£59.48	£50.56
		6		1.5	50	9.7	G8A54907	£63.51	£53.98
		6		1.5	50	15	G8A54908	£63.51	£53.98
2	1	4	1.95	1.6	45	4	G8A46939	£41.49	£35.27
		4		1.6	45	6	G8A46940	£41.49	£35.27
		4		1.6	45	10	G8A46941	£44.24	£37.60
		4		1.6	50	14	G8A46943	£44.24	£37.60
		4		1.6	50	16	G8A46909	£44.24	£37.60
		4		1.6	55	20	G8A46910	£44.73	£38.02
		4		1.6	60	25	G8A46945	£48.42	£41.16
		4		1.6	70	30	G8A46967	£51.62	£43.88
		6		2	50	6	G8A54020	£55.63	£47.28
		6		2	50	13	G8A54909	£59.48	£50.56
		6		2	60	20	G8A54910	£63.59	£54.05
3	1.5	6	2.85	2.4	50	12	G8A46948	£61.09	£51.93
				2.4	55	16	G8A46030	£61.09	£51.93
				2.4	60	20	G8A46911	£61.09	£51.93
				2.4	65	25	G8A46968	£61.09	£51.93
				2.4	80	35	G8A46970	£66.14	£56.22
4	2	6	3.85	3.2	60	12	G8A46950	£61.09	£51.93
				3.2	65	20	G8A46912	£61.09	£51.93
				3.2	70	30	G8A46971	£61.09	£51.93
				3.2	90	40	G8A46973	£82.53	£70.15
				3.2	90	45	G8A46974	£82.53	£70.15
				3.2	100	50	G8A46975	£85.32	£72.52

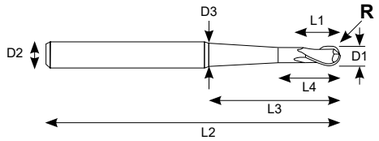
YG X-POWER PRO

High Performance

2 FLUTE BALL NOSE COATED CARBIDE HIGH PRECISION, TAPER NECK

For High Speed Machining of Medium to High Hardness Steel <HRC55

- Y coated ultrafine micrograin carbide
- HSC = Suitable for high speed machining
- Taper neck for strength and rigidity in deep pocket milling
- Radius tolerance ±0.01mm for high precision machining
- Suitable for dry cutting on steel & hardened steel



MG SC | 2 | 30° | R ±0.01 | PLAIN | Y COATED | HSC

Alloy Steels	Pre Hard. Steels	Hardened Steels
HB225-325	HRC30-40	HRC40-60
●	●	●

D1	R	D2	D3	L1	L2	L3	L4	Neck Taper Angle	Order Code	List Price	Offer Price
1	0.5	6	2	4	60	23	2	1° 30´	GM902010	£45.62	£36.49
					60	23	4.3	5°	GM902901	£45.62	£36.49
					80	42	5	3°	GM902902	£47.95	£38.36
2	1	6	4	6	60	23	2.9	1° 30´	GM902020	£40.95	£32.76
					60	23	5	5°	GM902903	£40.95	£32.76
					80	41	5.7	3°	GM902904	£44.53	£35.63
3	1.5	6	6	8	70	32	5.6	3°	GM902030	£41.22	£32.97
					90	52	5.3	1° 30´	GM902905	£45.81	£36.65
4	2	6	8	10	70	28	5.9	3°	GM902040	£41.52	£33.22
					90	49	6	1° 30´	GM902906	£46.12	£36.90
6	3	8	12	15	90	34	8	3°	GM902060	£66.28	£53.02
					110	53	8	1° 30´	GM902908	£77.32	£61.85
8	4	10	14	17	100	36	10	3°	GM902080	£117.19	£93.75
					120	55	10	1° 30´	GM902909	£131.42	£105.14

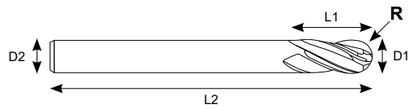
YG X-POWER PRO

High Performance

4 FLUTE BALL NOSE COATED CARBIDE, LONG NECK

For High Speed Machining of Medium to High Hardness Steel <HRC55 and Cast Iron

- Y coated ultrafine micrograin carbide
- HSC = Suitable for high speed machining
- 4 flutes for higher feed rates
- Radius tolerance ±0.02mm
- Suitable for dry cutting on steel & hardened steel



MG SC | 4 | 30° | R ±0.02 | PLAIN | Y COATED | HSC

Alloy Steels	Pre Hard. Steels	Hardened Steels
HB225-325	HRC30-40	HRC40-60
●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	1	6	5	50	GM815020	£42.71	£34.16
3	1.5	6	8	60	GM815030	£42.71	£34.16
4	2	6	8	70	GM815040	£44.14	£35.31
5	2.5	6	10	80	GM815050	£45.53	£36.42
6	3	6	12	90	GM815060	£48.32	£38.66
8	4	8	14	100	GM815080	£71.27	£57.02
10	5	10	18	100	GM815100	£109.61	£87.69
12	6	12	22	110	GM815120	£137.81	£110.24
16	8	16	30	140	GM815160	£226.64	£181.31

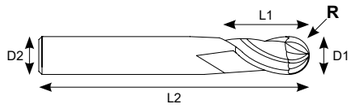
YG K-2

General Purpose

4 FLUTE BALL NOSE COATED CARBIDE

General Purpose Milling of Steel <HRC45, Stainless Steel, Cast Iron, Copper & Aluminium

- K2 coated micrograin carbide, 1st choice for general machining
- Suitable for dry milling applications at high temperatures (steel only)
- Designed for milling of radius bottom slots, fillets and special contours



MG SC | 4 | 30° | R ±0.02 | DIN 6535HA | K2 COATED

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Stainless Steel	Cast Iron
●	●	○	○	○

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	1	6	4	48	G9634020	£15.78	£12.62
3	1.5	6	4	48	G9634030	£15.78	£12.62
4	2	6	6	50	G9634040	£16.50	£13.20
5	2.5	6	7	51	G9634050	£17.12	£13.70
6	3	6	7	51	G9634060	£18.61	£14.88
8	4	8	9	59	G9634080	£28.85	£23.08
10	5	10	10	60	G9634100	£46.09	£36.87
12	6	12	14	71	G9634120	£59.10	£47.28
14	7	14	14	71	G9634140	£69.57	£55.66
16	8	16	16	76	G9634160	£93.17	£74.54
18	9	18	18	76	G9634180	£101.22	£80.97
20	10	20	20	82	G9634200	£143.44	£114.75

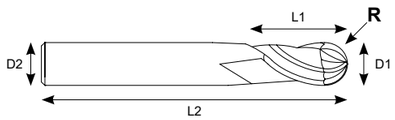
YG X5070

High Performance

4 FLUTE COATED NANOGRAIN CARBIDE BALL NOSE, CENTRE MATCH

Highest Performance Machining of Hardened Steel <HRC70

- X5070 blue coated nanograin carbide
- HSC = High speed cutting (dry)
- Excellent workpiece finish
- Designed for high precision milling operation
- Silicon based coating with ultra high heat and wear-resistance



NG SC | 4 | 30° | R ±0.005 (Up to R3) | R ±0.01 (Over R3) | PLAIN | X5070 COATED | HSC

Pre Hard. Steels HRC30~40	Hardened Steels HRC40~45	Hardened Steels HRC45~55	High Hard. Steels HRC55~70
○	○	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
3	1.5	6	8	60	G8D62030	£61.63	£52.38
4	2	6	8	70	G8D62040	£64.53	£54.85
5	2.5	6	10	80	G8D62050	£67.75	£57.59
6	3	6	12	90	G8D62060	£70.82	£60.20
8	4	8	14	100	G8D62080	£110.93	£94.29
10	5	10	18	100	G8D62100	£184.73	£157.02
12	6	12	22	110	G8D62120	£237.65	£202.00
16	8	16	30	140	G8D62160	£397.19	£337.61
20	10	20	38	160	G8D62200	£609.01	£517.66

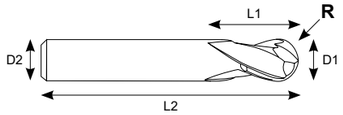
YG EV MILLS

High Performance

4 FLUTE Y-COATED ULTRAFINE CARBIDE BALL NOSE

Economic High Performance Machining of Steels <HRc40, Stainless Steel, HRSA's, Cast Iron

- For roughing and finishing applications having two edges to centre
- Smooth cutting action, unequal flute geometry and variable multiple helix eliminate vibrations
- Suitable for steel <HRC40, stainless steel, exotics and cast iron



MG SC | 4 | 35°/37° | R ±0.020 | PLAIN | Y Coating

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
2	1	6	4.5	38	GMK65020	£14.29	£12.14
3	1.5	6	5.5	38	GMK65030	£15.87	£13.49
4	2	6	7.5	38	GMK65040	£15.87	£13.49
5	2.5	6	9	38	GMK65050	£15.87	£13.49
6	3	6	9	38	GMK65060	£15.87	£13.49
8	4	8	12	43	GMK65080	£23.14	£19.67
10	5	10	14	50	GMK65100	£34.70	£29.49
12	6	12	16.5	55	GMK65120	£45.95	£39.06

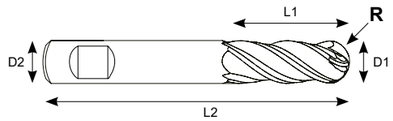
YG V7 Plus

High Performance

4 FLUTE COATED CARBIDE BALL NOSE MULTIPLE HELIX

Excellent on Stainless Steel, HRSA's, Cast Iron & Mild Steel <HRC40

- Y1200 coated ultrafine micrograin carbide
- Multiple helix design for large cut depths and agressive feed rates
- HPC = High performance cutting
- Special flute geometry and multiple helix eliminates vibration



MG SC | 4 | 35°/37° | R ±0.02 | PLAIN | WELDON | Y1200 COATED | HSC

Carbon & Alloy Steels <HB325	Pre Hard. Steels HRC30~40	Stainless Steel	Titanium	HRSA's e.g. Inconel	Cast Iron
●	●	●	●	●	●

D1	R	D2	L1	L2	Order Code: Plain Shank	Order Code: Weldon Shank	List Price	Offer Price
3	1.5	6	8	57	GMG55030	GMG56030	£25.94	£22.05
4	2	6	11	57	GMG55040	GMG56040	£25.94	£22.05
5	2.5	6	13	57	GMG55050	GMG56050	£25.94	£22.05
6	3	6	13	57	GMG55060	GMG56060	£25.94	£22.05
8	4	8	19	63	GMG55080	GMG56080	£36.42	£30.96
10	5	10	22	72	GMG55100	GMG56100	£57.22	£48.64
12	6	12	26	83	GMG55120	GMG56120	£78.68	£66.87
16	8	16	32	92	GMG55160	GMG56160	£123.97	£105.37
20	10	20	38	104	GMG55200	GMG56200	£222.67	£189.27
25	12.5	25	38	104	GMG55250	GMG56250	£314.78	£267.57

MULTIPLE HELIX DESIGN

The multiple helix design gives the end mill extra strength in both semi-roughing and finishing conditions, enabling heavier cutting and reducing vibration. The reduced vibration increases tool life and improves surface finish.

N

NON FERROUS MILLING

Cut faster with cleaner, controlled swarf removal

1 Flute	P 64-65	Ball Nose	P 76-77
2 Flute	P 66-69	Rippers	P 78-79
3 Flute	P 70-75		

- Maintain stable cutting by controlling long, sticky aluminium swarf
- Non-ferrous geometries increase tool life & maintain a high cutting accuracy
- Ultra high performance options available for the highest feed rates, largest cut depths & a superior chip flow

NON-FERROUS MILLING HIGHLIGHTS

YG ALU-POWER

Smooth and controlled aluminium machining with the chip-handling design of Alu-Power.

N

KORLOY A+ ENDMILL

Delivers the best surface finish on aluminium with zero tool marks, built up edge or vibration.

N

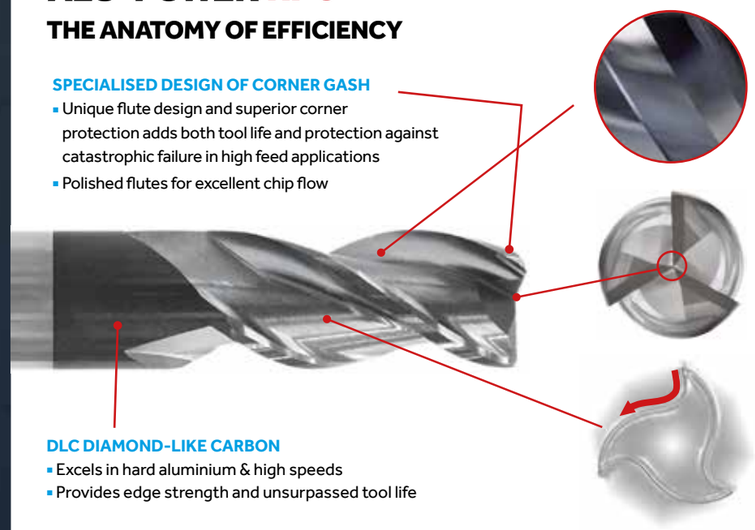
YG ALU-POWER HPC

High-speed aluminium removal keeps precision and control with Alu-Power HPC geometry.

N

ALU-POWER HPC

THE ANATOMY OF EFFICIENCY



SPECIALISED DESIGN OF CORNER GASH
- Unique flute design and superior corner protection adds both tool life and protection against catastrophic failure in high feed applications
- Polished flutes for excellent chip flow

DLC DIAMOND-LIKE CARBON
- Excels in hard aluminium & high speeds
- Provides edge strength and unsurpassed tool life

CYLINDRICAL LAND
- Increased performance in a variety of cutting conditions
- Also helps reduce vibration & chatter

IDEAL SYMMETRICAL SHAPE
- 3-flute design "to the center" (all 3 flutes come to center)
- Designed for high spindle speeds
- Highly effective in vertical ramping up to 20 degrees and step-over plunging applications

ENGINEERED FLUTE DESIGN
- Effective chip evacuation at high feed rates with lower cutting forces than competitors products

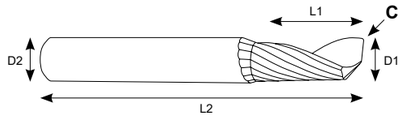
YG ALU-POWER

Advanced Performance

1 FLUTE UP CUT PLASTIC-CUT LAPPED CHAMFER PREP

Uncoated Solid Carbide Milling Cutters of Aluminium, Plastic & Non-Ferrous Metals

- 1 flute allows for excellent workpiece finishes and chip evacuation
- Wide cut geometry, ideal for plastic such as ABS, acrylic and non-ferrous metal
- Drawing cut (up cut)



MG SC | 1 | 30° | PLAIN | LAPPED

Copper	Aluminium	Plastic
○	○	●

D1	D2	L1	L2	C	Order Code	List Price	Offer Price
0.5	4	1	40	-	E5E88005	£28.30	£24.06
0.6	4	1.2	40	-	E5E88006	£28.30	£24.06
0.7	4	1.4	40	-	E5E88007	£28.30	£24.06
0.8	4	1.6	40	-	E5E88008	£28.30	£24.06
0.9	4	1.8	40	-	E5E88009	£28.30	£24.06
1	6	3	50	-	E5E88010	£26.59	£22.60
1	6	6	50	-	E5E8801006	£26.59	£22.60
1.5	6	4	50	-	E5E88015	£26.59	£22.60
1.5	6	8	50	-	E5E8801508	£26.59	£22.60
2	3	8	50	0.04	E5E47020	£13.80	£12.42
	6	8	50	-	E5E8802008	£26.59	£22.60
	6	12	50	-	E5E8802012	£26.59	£22.60
2.5	6	8	50	-	E5E8802508	£26.59	£22.60
	6	12	50	-	E5E8802512	£26.59	£22.60
3	3	12	50	0.05	E5E47030	£14.17	£12.75
	6	26	60	-	E5E8803026	£27.59	£23.46
4	4	15	60	0.07	E5E47040	£15.84	£14.26
	6	37	75	-	E5E8804037	£29.23	£24.85
5	5	17	60	0.09	E5E47050	£19.06	£17.16
	6	28	70	-	E5E8805028	£28.77	£24.45
6	6	20	65	0.1	E5E47060	£19.98	£17.99
		55	120	-	E5E8806055	£44.44	£37.77
8	8	22	65	0.14	E5E47080	£42.78	£38.50
		32	70	-	E5E8808032	£47.32	£40.22
10	10	25	75	0.14	E5E47100	£85.25	£76.72
		35	75	-	E5E8810030	£62.13	£52.81
12	12	30	80	0.14	E5E47120	£106.13	£95.51
		35	80	-	E5E8812035	£79.88	£67.89

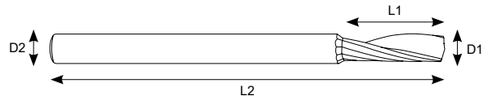
Karnasch PROFESSIONAL TOOLS

High Performance

1 FLUTE UP CUT PLASTIC-CUT LAPPED

Uncoated Solid Carbide Milling Cutters for Mirror Finish Machining of Plastic Metals

- 1 flute allows for excellent workpiece finishes and chip evacuation
- First choice for mirror finish machining of plastic including acrylic, ABS, PMMA, PE, PP etc
- Drawing cut (up cut)
- Mirror finish machining



MG SC | 1 | 30° | DIN 6535HA | HSC | LAPPED

Plastic
●

D1	D2	L1	L2	Order Code	List Price	Offer Price
0.1	3	0.3	30	291652001000303030	£56.83	£51.14
0.2		0.6		291652002000603030	£42.96	£38.66
0.3		1		291652003001003030	£36.62	£32.96
0.4		1		291652004001003030	£36.62	£32.96
0.5		1.5		291652005001503030	£80.95	£72.85
0.6		3		291652006003003030	£34.10	£30.69
0.8		5		291652008005003030	£34.10	£30.69
1		4		291652010004003030	£36.37	£32.73
1.5		6		291652015006003030	£36.37	£32.73
2	3	6	30	291652020006003030	£36.37	£32.73
	4	6	50	291652020006004050	£44.48	£40.04
	6	6	50	291652020006006050	£46.73	£42.06
	3	8	30	291652020008003030	£34.10	£30.69
	3	11	38	291652020011003038	£41.70	£37.53
3	3	6	30	291652030006003030	£34.10	£30.69
	6	6	50	291652030006006050	£50.53	£45.48
	4	11	50	291652030011004050	£50.53	£45.48
	6	11	50	291652030011006050	£55.57	£50.01
	6	22	60	291652030022006060	£75.20	£67.68
4	4	8	50	291652040008004050	£44.22	£39.80
	6	8	50	291652040008006050	£51.79	£46.61
	4	12	50	291652040012004050	£44.22	£39.80
	6	12	50	291652040012006050	£51.79	£46.61
	4	14	50	291652040014004050	£44.22	£39.80
	6	14	50	291652040014006050	£51.79	£46.61
	4	22	50	291652040022004050	£48.00	£43.20
	6	22	50	291652040022006050	£55.57	£50.01
	4	32	64	291652040032004064	£50.53	£45.48
5	6	12	50	291652050012006050	£54.32	£48.89
		16	50	291652050016006050	£54.32	£48.89
		22	50	291652050022006050	£54.32	£48.89
6	6	12	50	291652060012006050	£51.79	£46.61
		22	50	291652060022006050	£56.83	£51.14
		22	58	291652060022006058	£52.62	£47.36
		32	64	291652060032006064	£69.45	£62.51
		32	100	291652060032006100	£61.90	£55.71
8	8	22	64	291652080022008064	£65.69	£59.12
		32	64	291652080032008064	£72.01	£64.81
		42	75	291652080042008075	£77.18	£69.46
		42	100	291652080042008100	£89.68	£80.71
		55	100	291652080055008100	£94.73	£85.26
10	10	22	64	291652100022010064	£97.28	£87.56
		32	75	291652100032010075	£104.83	£94.35
		55	100	291652100055010100	£115.00	£103.50

NON-FEROUS MILLING

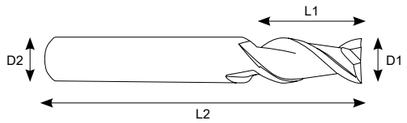
YG ALU-POWER

Advanced Performance

2 FLUTE 45° HELIX UNCOATED CARBIDE

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Wide cut geometry, ideal for plastics such as ABS, acrylic and non-ferrous material
- Mirror finish machining
- Superior chip evacuation
- Cylindrical relief reduces chipping of corner edges



MG SC | 2 | 45° | PLAIN | LAPPED

Copper	Aluminium
○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	6	3	50	E5E48010	£13.91	£11.13
		6	60	E5E48901	£15.63	£12.50
2	6	5	50	E5E48015	£13.91	£11.13
		8	60	E5E48902	£14.51	£11.61
		6	50	E5E48020	£13.91	£11.13
		10	60	E5E48903	£14.51	£11.61
3	6	8	55	E5E48025	£14.51	£11.61
		5	50	E5E48030	£11.93	£9.54
4	6	8	54	E5E48040	£16.23	£12.98
5	6	9	54	E5E48050	£16.23	£12.98
6	6	10	54	E5E48060	£16.23	£12.98
8	8	12	58	E5E48080	£27.00	£21.60
10	10	14	66	E5E48100	£42.56	£34.05
12	12	16	73	E5E48120	£58.29	£46.63
14	14	18	75	E5E48140	£81.97	£65.57
16	16	22	82	E5E48160	£103.48	£82.78
18	18	24	84	E5E48180	£134.47	£107.57
20	20	26	92	E5E48200	£173.31	£138.64

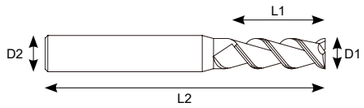
KORLOY A+ ENDMILL

High Performance

2 FLUTE 50° HELIX UNCOATED CARBIDE

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Uncoated micrograin carbide
- Excellent chip evacuation even in high feed machining
- U-Shaped flute design for extreme quality surface finish
- High rigidity of the cutting edge ensures high productivity
- Not suitable for plunging



MG SC | 2 | 50° | h6 | PLAIN | LAPPED

Copper	Aluminium
○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
2.5	6	8	50	APFE2025-050	£24.70	£19.76
3	6	9	50	APFE2030-050	£24.70	£19.76
		12	60	APLFE2030-060	£27.18	£21.74
4	6	12	50	APFE2040-050	£24.70	£19.76
		16	60	APLFE2040-060	£30.64	£24.51
5	6	15	50	APFE2050-050	£25.91	£20.73
		20	60	APLFE2050-060	£33.69	£26.95
6	6	18	50	APFE2060-050	£29.19	£23.35
		25	75	APLFE2060-075	£40.02	£32.02
8	8	20	60	APFE2080-060	£37.11	£29.69
		32	75	APLFE2080-075	£50.94	£40.75
10	10	30	75	APFE2100-075	£48.97	£39.18
		45	100	APLFE2100-100	£79.77	£63.82
12	12	32	75	APFE2120-075	£72.62	£58.10
		45	100	APLFE2120-100	£99.62	£79.70
16	16	45	100	APFE2160-100	£119.12	£95.30
		65	150	APLFE2160-150	£153.89	£123.11
20	20	45	100	APFE2200-100	£212.10	£169.68
		75	150	APLFE2200-150	£275.73	£220.58

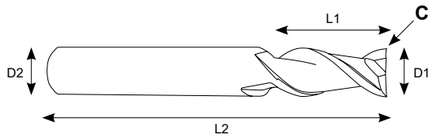
YG ALU-POWER

Advanced Performance

2 FLUTE 45° HELIX UNCOATED CARBIDE, CHAMFER PREP

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Suitable for high speed machining in aluminium and other non-ferrous material
- Provides mirror surface finishes
- Superior chip evacuation
- Cylindrical relief reduces chipping of corner edges
- Chamfer corner prep prevents tool chipping



MG SC | 2 | 45° | PLAIN | WELDON | C x 45°

Copper	Aluminium
○	●

D1	D2	L1	L2	C	Order Code: Plain Shank	Order Code: Weldon Shank	List Price	Offer Price
3	6	8	57	0.05	E5522030	E5521030	£13.74	£10.99
		11	55		E5522901	-	£14.51	£11.61
		15	65		E5522902	-	£15.63	£12.50
4	6	11	57		E5522040	E5521040	£18.78	£15.02
		13	55		E5522903	-	£20.04	£16.04
		16	65		E5522904	-	£20.04	£16.04
5	6	13	57		E5522050	E5521050	£18.78	£15.02
		17	55		E5522905	-	£20.04	£16.04
		22	60		E5522906	-	£20.04	£16.04
6	6	13	57		E5522060	E5521060	£18.78	£15.02
		17	60		E5522907	-	£22.72	£18.18
		25	70		E5522908	-	£23.66	£18.93
7	8	22	65		E5522909	-	£29.96	£23.96
8	8	19	63		E5522080	E5521080	£29.94	£23.95
		22	70		E5522910	-	£34.53	£27.63
		30	80		E5522911	-	£38.86	£31.09
10	10	22	72	0.1	E5522100	E5521100	£45.15	£36.12
		27	75		E5522912	-	£45.16	£36.13
		35	90		E5522913	-	£55.85	£44.68
12	12	26	83		E5522120	E5521120	£63.33	£50.66
		32	80		E5522914	-	£63.33	£50.66
		40	95		E5522915	-	£82.83	£66.27
14	14	26	83		E5522140	E5521140	£75.95	£60.76
		37	90		E5522916	-	£92.32	£73.86
16	16	32	92		E5522160	E5521160	£95.80	£76.64
		42	100		E5522917	-	£115.51	£92.41
		52	110		E5522918	-	£129.46	£103.57
18	18	32	92		E5522180	E5521180	£124.55	£99.64
		48	100		E5522919	-	£155.83	£124.66
20	20	38	104		E5522200	E5521200	£161.23	£128.98
		48	100		E5522920	-	£183.21	£146.57
		55	110		E5522921	-	£195.92	£156.73

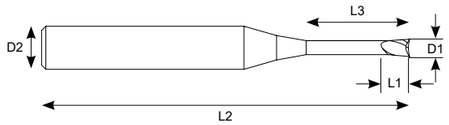
YG ALU-POWER

Advanced Performance

2 FLUTE UNCOATED CARBIDE LONG NECK

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium, copper and plastic
- Provides mirror surface finishes
- Long neck design for deep pocket machining



MG SC | 2 | 30° | PLAIN | LAPPED

Copper	Aluminium
○	●

D1	D2	L1	L2	L3	Order Code	List Price	Offer Price
0.5	4	1	45	5	E5E8500505	£30.11	£25.60
			45	10	E5E8500510	£30.11	£25.60
			45	16	E5E8500516	£36.17	£30.75
1	4	2	50	3	E5E8501003	£26.59	£22.60
			50	8	E5E8501008	£26.59	£22.60
			50	16	E5E8501016	£26.59	£22.60
			60	26	E5E8501026	£33.27	£28.28
1.5	4	3	50	4	E5E8501504	£26.59	£22.60
			50	10	E5E8501510	£26.59	£22.60
			50	20	E5E8501520	£26.59	£22.60
			70	30	E5E8501530	£31.41	£26.70
2	4	4	50	6	E5E8502006	£26.59	£22.60
			50	10	E5E8502010	£26.59	£22.60
			50	20	E5E8502020	£26.59	£22.60
			80	40	E5E8502040	£35.22	£29.94
2.5	4	5	50	20	E5E8502520	£26.59	£22.60
			80	40	E5E8502540	£26.59	£22.60
3	6	6	60	20	E5E8503020	£31.07	£26.41
			80	40	E5E8503040	£43.82	£37.25
4	6	8	50	10	E5E8504010	£30.11	£25.60
			60	20	E5E8504020	£36.20	£30.77
			80	40	E5E8504040	£42.06	£35.75

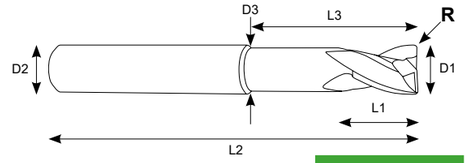
YG ALU-POWER

Advanced Performance

2 FLUTE UNCOATED CARBIDE CORNER RADIUS, NECKED

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium and copper
- Increased tool life and higher cutting accuracy
- Provides mirror surface finish
- Reduced neck diameter



MG SC | 2 | 30° | PLAIN | CORNER RADIUS

Copper	Aluminium
○	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
4	0.3	6	3.6	5	50	10	E5909040	£23.29	£19.80
6	0.5	6	5.4	8	60	20	E5909060	£23.29	£19.80
8	0.6	8	7.2	10	70	30	E5909080	£31.73	£26.97
10	0.8	10	9	12	80	36	E5909100	£48.99	£41.64
12	1	12	11	14	90	40	E5909120	£77.71	£66.05
16	1.3	16	14.5	18	100	45	E5909160	£110.45	£93.88
20	1.6	20	18	24	100	45	E5909200	£173.93	£147.84

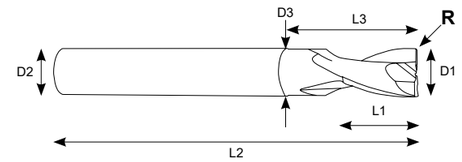
YG ALU-POWER

Advanced Performance

2 FLUTE UNCOATED CARBIDE CORNER RADIUS 25° HELIX

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Increased tool life and higher cutting accuracy
- High metal removal rate
- Superior chip evacuation
- Corner radius edge prep to prevent tool chipping
- Provides mirror surface finish



MG SC | 2 | 25° | PLAIN | CORNER RADIUS

Copper	Aluminium
○	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
2	0.2	3	1.9	3	40	6	E5930020	£14.96	£12.72
3		3	2.9	4	40	8	E5930030	£14.96	£12.72
4		4	3.8	5	50	12	E5930040	£16.65	£14.15
5		5	4.8	8	50	14	E5930050	£17.41	£14.80
6		6	5.7	8	65	18	E5930060	£27.38	£23.27
8		8	7.7	10	70	22	E5930080	£31.15	£26.48
10		10	9.7	14	80	28	E5930100	£47.42	£40.30
12		12	11.5	16	90	35	E5930120	£66.65	£56.65
16		16	15.5	20	90	40	E5930160	£101.27	£86.08
20		20	19.5	25	100	50	E5930200	£163.63	£139.08

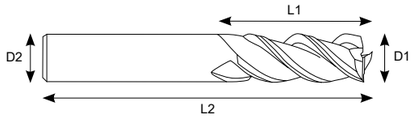
YG ALU-POWER

Advanced Performance

3 FLUTE UNCOATED CARBIDE 45° HELIX

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium and copper
- Increased tool life and higher cutting accuracy
- Cylindrical relief reduces chipping of corner edges
- Superior chip evacuation
- Provides mirror surface finish



MG SC | 3 | 45° | PLAIN | LAPPED

Copper	Aluminium
○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
1	6	2	40	E5E49010	£13.44	£10.75
		4	60	E5E49902	£14.51	£11.61
		6	60	E5E49904	£15.63	£12.50
1.5	6	3	40	E5E49015	£13.44	£10.75
		5	50	E5E49906	£13.91	£11.13
		8	60	E5E49908	£14.51	£11.61
		10	60	E5E49909	£15.63	£12.50
2	6	3	40	E5E49020	£11.83	£9.46
		6	50	E5E49911	£13.91	£11.13
		8	60	E5E49913	£14.51	£11.61
		12	60	E5E49915	£15.63	£12.50
2.5	6	4	40	E5E49025	£11.83	£9.46
		10	55	E5E49917	£14.51	£11.61
		15	60	E5E49919	£15.63	£12.50
3	6	4	45	E5E49920	£11.83	£9.46
		11	55	E5E49922	£14.51	£11.61
		12	57	E5E49030	£14.51	£11.61
		20	70	E5E49924	£17.63	£14.11
		30	80	E5E49926	£20.87	£16.70
3.5	6	12	55	E5E49035	£20.04	£16.04
4	6	5	45	E5E49927	£15.71	£12.57
		11	45	E5E49929	£18.15	£14.52
		15	57	E5E49040	£20.04	£16.03
		26	75	E5E49932	£24.26	£19.41
		30	80	E5E49933	£27.52	£22.02
4.5	6	15	55	E5E49045	£20.04	£16.04
5	6	13	50	E5E49934	£18.62	£14.89
		20	57	E5E49050	£20.04	£16.03
		25	70	E5E49937	£22.61	£18.09
		35	80	E5E49939	£25.87	£20.70
		45	90	E5E49941	£30.67	£24.54
5.5	6	17	55	E5E49055	£22.72	£18.18
6	6	13	50	E5E49942	£21.14	£16.91
6	6	20	65	E5E49060	£22.73	£18.18
		30	75	E5E49945	£27.43	£21.95
		42	90	E5E49947	£32.75	£26.20
		50	100	E5E49948	£36.58	£29.27
7	8	22	65	E5E49070	£34.53	£27.63
8	8	19	60	E5E49949	£34.53	£27.63
		22	65	E5E49080	£34.52	£27.61
		30	80	E5E49951	£38.86	£31.09
		40	90	E5E49953	£47.17	£37.73
		50	100	E5E49955	£52.77	£42.21
		65	110	E5E49958	£58.50	£46.80
9	10	27	70	E5E49090	£45.16	£36.13
10	10	22	65	E5E49959	£42.72	£34.18
		25	75	E5E49100	£45.15	£36.12
		35	90	E5E49961	£55.85	£44.68
		55	110	E5E49965	£69.15	£55.32
		65	120	E5E49967	£77.19	£61.75
12	12	25	75	E5E49120	£63.27	£50.61
		35	80	E5E49969	£63.28	£50.63
		45	100	E5E49971	£82.83	£66.27
		65	120	E5E49975	£91.06	£72.85
		75	135	E5E49977	£111.34	£89.07
		90	150	E5E49979	£119.33	£95.46
14	14	37	90	E5E49140	£92.32	£73.86
16	16	35	90	E5E49160	£95.80	£76.64
		55	110	E5E49982	£113.93	£91.14
		75	150	E5E49984	£161.33	£129.06
		95	180	E5E49986	£190.38	£152.30
		115	200	E5E49988	£214.72	£171.77
18	18	48	100	E5E49180	£137.13	£109.70
20	20	40	100	E5E49200	£161.23	£128.98
		65	130	E5E49991	£213.97	£171.18
		85	160	E5E49993	£272.96	£218.37
		105	190	E5E49995	£317.90	£254.32
		125	220	E5E49997	£375.10	£300.08

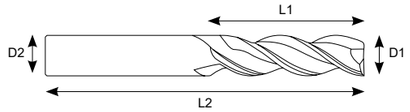
YG ALU-POWER HPC

High Performance

3 FLUTE UNCOATED & DLC COATED CARBIDE 37° HELIX

Extreme Machining of Aluminium (Standard, Alloys & Die Cast) & Non-Ferrous Alloy

- 3 flute 'centre match' HPC geometry for high feed rates & large depth of cut
- Extreme metal removal rates
- Superior chip evacuation
- Available with lapped finish or DLC (diamond like carbon) coating for aerospace aluminium alloy
- Recommended for use with high performance tool holders



MG SC | 3 | 37° | PLAIN | DLC COATED | HPC

Copper	Aluminium
●	●

D1	D2	L1	L2	Uncoated Order Code	Uncoated List Price	Uncoated Offer Price	DLC Coated Order Code	DLC Coated List Price	DLC Coated Offer Price
3	6	8	52	E5H22030	£15.03	£12.77	JAH22030	£21.78	£18.52
4		11	55	E5H22040	£22.07	£18.76	JAH22040	£28.82	£24.50
5		13	57	E5H22050	£22.07	£18.76	JAH22050	£28.82	£24.50
6	6	13	57	E5H22060	£23.54	£20.01	JAH22060	£30.28	£25.74
		13	72	E5H22901	£26.62	£22.63	JAH22901	£33.36	£28.35
		24	75	E5H22902	£31.91	£27.12	JAH22902	£38.67	£32.87
8	8	19	63	E5H22080	£35.53	£30.20	JAH22080	£45.49	£38.67
		32	75	E5H22903	£47.04	£39.99	JAH22903	£57.00	£48.45
10	10	22	72	E5H22100	£49.65	£42.20	JAH22100	£66.70	£56.69
		40	100	E5H22904	£65.71	£55.85	JAH22904	£82.74	£70.33
12	12	26	83	E5H22120	£74.18	£63.05	JAH22120	£95.71	£81.36
		48	100	E5H22905	£115.93	£98.54	JAH22905	£137.47	£116.85
14	14	30	89	E5H22140	£131.64	£111.90	JAH22140	£161.56	£137.33
16	16	32	92	E5H22160	£137.08	£116.52	JAH22160	£178.84	£152.01
		64	125	E5H22906	£173.80	£147.73	JAH22906	£217.17	£184.59
20	20	38	104	E5H22200	£239.92	£203.93	JAH22200	£297.15	£252.58
		80	150	E5H22907	£328.22	£278.99	JAH22907	£385.41	£327.60
25	25	50	125	E5H22250	£434.38	£369.23	JAH22250	£497.05	£422.49

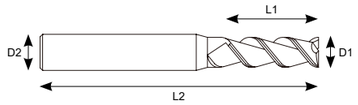
KORLOY A+ ENDMILL

High Performance

3 FLUTE UNCOATED CARBIDE 50° HELIX

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Uncoated micrograin carbide
- Excellent chip evacuation even in high feed machining
- U-Shaped flute design for extreme quality surface finish
- High rigidity of the cutting edge ensures high productivity
- Not suitable for plunging



MG SC | 3 | 50° | h6 | PLAIN | LAPPED

Copper	Aluminium
○	●

D1	D2	L1	L2	Order Code	List Price	Offer Price
2.5	6	8	50	APFE3025-050	£24.70	£19.76
3	6	9	50	APFE3030-050	£24.70	£19.76
		12	60	APLFE3030-060	£27.18	£21.74
4	6	12	50	APFE3040-050	£24.70	£19.76
		16	60	APLFE3040-060	£30.64	£24.51
5	6	15	50	APFE3050-050	£25.91	£20.73
		20	60	APLFE3050-060	£33.69	£26.95
6	6	18	50	APFE3060-050	£29.19	£23.35
		25	75	APLFE3060-075	£40.02	£32.02
8	8	20	60	APFE3080-060	£37.11	£29.69
		32	75	APLFE3080-075	£50.94	£40.75
10	10	30	75	APFE3100-075	£48.97	£39.18
		45	100	APLFE3100-100	£79.77	£63.82
12	12	32	75	APFE3120-075	£72.62	£58.10
		45	100	APLFE3120-100	£99.62	£79.70
16	16	45	100	APFE3160-100	£119.12	£95.30
		65	150	APLFE3160-150	£153.89	£123.11
20	20	45	100	APFE3200-100	£212.10	£169.68
		75	150	APLFE3200-150	£275.73	£220.58

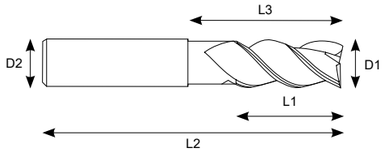
YG ALU-POWER

Advanced Performance

3 FLUTE UNCOATED CARBIDE, 45° HELIX, NECKED

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium and copper
- Increased tool life and higher cutting accuracy
- High metal removal rate
- Superior chip evacuation
- Provides mirror surface finish



MG SC | 3 | 45° | PLAIN | LAPPED

Copper	Aluminium
○	●

D1	D2	L1	L2	L3	Order Code	List Price	Offer Price
1	4	2.5	60	3	E5E50010	£13.73	£11.67
				4	E5E50901	£13.73	£11.67
				6	E5E50902	£14.82	£12.60
				8	E5E50903	£14.82	£12.60
				10	E5E50904	£14.82	£12.60
1.5	4	4	60	6	E5E50015	£13.73	£11.67
				8	E5E50905	£13.73	£11.67
				10	E5E50906	£14.82	£12.60
				12	E5E50907	£14.82	£12.60
				16	E5E50908	£14.82	£12.60
2	4	6	60	8	E5E50020	£13.73	£11.67
				10	E5E50909	£13.73	£11.67
				12	E5E50910	£14.82	£12.60
				16	E5E50911	£14.82	£12.60
2.5	6	7	60	10	E5E50025	£17.28	£14.69
				12	E5E50912	£17.75	£15.08
				16	E5E50913	£17.75	£15.08
				20	E5E50914	£18.82	£15.99
3	6	8	57	12	E5E50030	£17.27	£14.68
			60	16	E5E50915	£17.75	£15.08
			60	20	E5E50916	£17.75	£15.08
			70	26	E5E50917	£18.91	£16.07
			80	30	E5E50918	£22.50	£19.13
4	6	11	57	18	E5E50040	£23.50	£19.98
			60	20	E5E50919	£24.93	£21.19
			70	26	E5E50920	£26.23	£22.29
			80	30	E5E50921	£29.82	£25.35
5	6	13	57	18	E5E50050	£23.50	£19.98
6	6	13	57	18	E5E50060	£23.50	£19.98
			90	25	E5E50922	£35.42	£30.11
			90	35	E5E50923	£38.08	£32.37
			90	45	E5E50924	£40.74	£34.63
8	8	21	63	25	E5E50080	£37.49	£31.86
			100	30	E5E50925	£56.94	£48.40
			100	40	E5E50926	£61.14	£51.97
			100	50	E5E50927	£65.33	£55.53
10	10	22	72	30	E5E50100	£54.24	£46.11
			100	35	E5E50928	£66.92	£56.88
			100	45	E5E50929	£71.47	£60.75
			100	55	E5E50930	£76.05	£64.64
12	12	26	83	36	E5E50120	£82.28	£69.94
		30	110	40	E5E50931	£99.06	£84.20
		30	110	50	E5E50932	£105.83	£89.95
		30	110	60	E5E50933	£112.66	£95.76
16	16	36	92	42	E5E50160	£114.95	£97.71
20	20	41	104	52	E5E50200	£193.45	£164.43

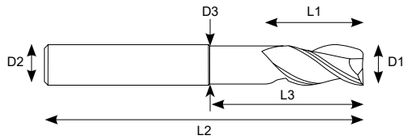
YG ALU-POWER HPC

High Performance

3 FLUTE UNCOATED & DLC COATED CARBIDE 37° HELIX, NECKED

Extreme Machining of Aluminium (Standard, Alloys & Die Cast) & Non-Ferrous Alloy

- 3 flute 'centre match' HPC geometry for high feed rates & large depth of cut
- Extreme metal removal rates
- Superior chip evacuation
- Available with lapped finish or DLC (diamond like carbon) coating for aerospace aluminium alloy



MG SC | 3 | 37° | PLAIN | DLC COATED | HPC

Copper	Aluminium
●	●

D1	D2	D3	L1	L2	L3	Uncoated Order Code	Uncoated List Price	Uncoated Offer Price	DLC Coated Order Code	DLC Coated List Price	DLC Coated Offer Price
6	6	5.7	10	75	20	E5H23060	£28.57	£24.28	JAH23060	£35.32	£30.02
8	8	7.4	12	75	25	E5H23080	£50.53	£42.95	JAH23080	£60.49	£51.41
10	10	9.2	14	100	35	E5H23100	£69.84	£59.36	JAH23100	£86.87	£73.84
12	12	11	16	100	40	E5H23120	£124.03	£105.43	JAH23120	£145.58	£123.74
16	16	15	20	125	50	E5H23160	£184.10	£156.48	JAH23160	£232.94	£198.00
20	20	19	25	150	65	E5H23200	£346.62	£294.63	JAH23200	£403.84	£343.27

YG ALU-POWER HPC

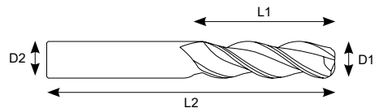
High Performance

3 FLUTE UNCOATED CARBIDE, CHIP SPLITTER

Extreme Machining of Aluminium (Standard, Alloys & Die Cast) & Non-Ferrous Alloy

- Unique geometry provides the balance cutting with less vibration during the high speed machining
- Provides long tool life and high productivity on aluminum by chip breaker releasing stresses on the tool and prevents acceleration rate of wear on the cutting edge
- Chip breaker Improves chip evacuation by shortening the chip length during the high speed machining

Radial chip dividers



MG SC | 3 | 37° | PLAIN | WELDON | HPC | CORNER RADIUS

Copper	Aluminium
●	●

D1	R	D2	L1	L2	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	0.25	6	13	57	E5I86060	E5I87060	£29.05	£24.69
	0.25		24	75	E5I86902	E5I87902	£39.56	£33.63
	1		13	57	E5I86901	E5I87901	£29.05	£24.69
	1		24	75	E5I86903	E5I87903	£39.56	£33.63
8	0.25	8	19	63	E5I86080	E5I87080	£43.59	£37.05
	0.25		32	75	E5I86905	E5I87905	£57.88	£49.20
	2		19	63	E5I86904	E5I87904	£43.59	£37.05
	2		32	75	E5I86906	E5I87906	£57.88	£49.20
10	0.5	10	22	72	E5I86100	E5I87100	£59.96	£50.97
	0.5		40	100	E5I86908	E5I87908	£79.35	£67.45
	2		22	72	E5I86907	E5I87907	£59.96	£50.97
	2		40	100	E5I86909	E5I87909	£79.35	£67.45
12	0.5	12	26	83	E5I86120	E5I87120	£89.71	£76.26
	0.5		48	100	E5I86911	E5I87911	£141.70	£120.44
	3		26	83	E5I86910	E5I87910	£89.71	£76.26
	3		48	100	E5I86912	E5I87912	£141.70	£120.44
16	1	16	32	92	E5I86160	E5I87160	£163.12	£138.65
	1		64	125	E5I86914	E5I87914	£208.40	£177.14
	4		32	92	E5I86913	E5I87913	£163.12	£138.65
	4		64	125	E5I86915	E5I87915	£208.40	£177.14
20	1	20	38	104	E5I86200	E5I87200	£288.11	£244.89
	1		80	150	E5I86917	E5I87917	£391.34	£332.64
	4		38	104	E5I86916	E5I87916	£288.11	£244.89
	4		80	150	E5I86918	E5I87918	£391.34	£332.64

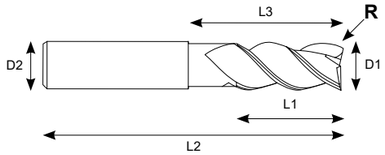
YG ALU-POWER

Advanced Performance

3 FLUTE UNCOATED CARBIDE, CORNER RADIUS 45° HELIX

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium and copper
- Increased tool life and higher cutting accuracy
- High metal removal rate
- Superior chip evacuation
- Provides mirror surface finish



MG SC | 3 | 45° | PLAIN | CORNER RADIUS | LAPPED

Copper	Aluminium
○	●

D1	R	D2	L1	L2	L3	Order Code	List Price	Offer Price
3	0.5	6	12	57	-	E5E51030	£14.54	£12.36
	1					E5E51901	£14.54	£12.36
4	0.5	6	15	57	-	E5E51040	£21.89	£18.61
	1					E5E51902	£21.89	£18.61
5	0.5	6	20	57	-	E5E51050	£21.89	£18.61
	1					E5E51903	£21.89	£18.61
6	0.5	6	20	65	-	E5E51060	£25.82	£21.94
	1					E5E51904	£25.82	£21.94
	0.5	6	10	70	20	E5D7206005	£49.13	£41.76
	1					E5D7206010	£49.13	£41.76
8	0.5	8	22	65	-	E5E51080	£41.34	£35.14
	1					E5E51905	£41.34	£35.14
	0.5	8	12	80	25	E5D7208005	£49.13	£41.76
	1					E5D7208010	£49.13	£41.76
	2					E5D7208020	£49.13	£41.76
10	0.5	10	25	70	-	E5E51100	£50.53	£42.95
	1					E5E51906	£50.53	£42.95
	2					E5E51907	£50.53	£42.95
	1	10	15	100	30	E5D7210010	£66.71	£56.70
	2					E5D7210020	£66.71	£56.70
	3					E5D7210030	£66.71	£56.70
12	0.5	12	25	75	-	E5E51120	£70.67	£60.07
	1					E5E51908	£70.67	£60.07
	2					E5E51909	£70.67	£60.07
	0.5	12	20	110	35	E5D7212005	£75.45	£64.13
	1					E5D7212010	£75.45	£64.13
	2					E5D7212020	£75.45	£64.13
	3					E5D7212030	£75.45	£64.13
16	0.5	16	35	90	-	E5E51160	£118.20	£100.47
	1					E5E51910	£118.20	£100.47
	2					E5E51911	£118.20	£100.47
20	0.5	20	40	100	-	E5E51200	£200.45	£170.38
	1					E5E51912	£200.45	£170.38
	2					E5E51913	£200.45	£170.38

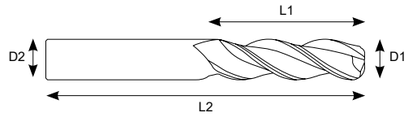
YG ALU-POWER HPC

High Performance

3 FLUTE UNCOATED & DLC COATED CARBIDE 37° HELIX, CORNER RAD

Extreme Machining of Aluminium (Standard, Alloys & Die Cast) & Non-Ferrous Alloy

- 3 flute 'centre match' HPC geometry for high feed rates & large depth of cut
- Extreme metal removal rates
- Superior chip evacuation
- Available with lapped finish or DLC (diamond like carbon) coating for aerospace aluminium alloy



MG SC | 3 | 37° | PLAIN | DLC COATED | HPC | CORNER RADIUS

Copper	Aluminium
●	●

D1	R	D2	L1	L2	Order Code					
					Uncoated	List Price	Offer Price	DLC Coated	List Price	Offer Price
6	0.5	6	13	57	E5H24060	£27.10	£23.04	JAH24060	£33.86	£28.78
	1.0				E5H24901	£27.10	£23.04	JAH24901	£33.86	£28.78
	1.5				E5H24902	£27.10	£23.04	JAH24902	£33.86	£28.78
	0.8	6	13	72	E5H24903	£30.48	£25.91	JAH24903	£37.24	£31.66
	1.2				E5H24904	£30.48	£25.91	JAH24904	£37.24	£31.66
	0.5	6	24	75	E5H24905	£36.90	£31.37	JAH24905	£43.65	£37.10
	1				E5H24906	£36.90	£31.37	JAH24906	£43.65	£37.10
8	0.3	8	19	63	E5H24080	£40.66	£34.56	JAH24080	£50.64	£43.04
	0.5				E5H24907	£40.66	£34.56	JAH24907	£50.64	£43.04
	1				E5H24908	£40.66	£34.56	JAH24908	£50.64	£43.04
	1.5				E5H24909	£40.66	£34.56	JAH24909	£50.64	£43.04
	0.5	8	32	75	E5H24910	£53.99	£45.89	JAH24910	£63.96	£54.36
	1				E5H24911	£53.99	£45.89	JAH24911	£63.96	£54.36
	1.5				E5H24912	£53.99	£45.89	JAH24912	£63.96	£54.36
	2				E5H24913	£53.99	£45.89	JAH24913	£63.96	£54.36
10	0.3	10	22	72	E5H24100	£55.94	£47.55	JAH24100	£72.95	£62.00
	0.5				E5H24914	£55.94	£47.55	JAH24914	£72.95	£62.00
	1				E5H24915	£55.94	£47.55	JAH24915	£72.95	£62.00
	1.5				E5H24916	£55.94	£47.55	JAH24916	£72.95	£62.00
	0.5	10	40	100	E5H24917	£74.01	£62.91	JAH24917	£91.03	£77.37
	1				E5H24918	£74.01	£62.91	JAH24918	£91.03	£77.37
	1.5				E5H24919	£74.01	£62.91	JAH24919	£91.03	£77.37
	2				E5H24920	£74.01	£62.91	JAH24920	£91.03	£77.37
12	1.5	12	26	83	E5H24120	£83.68	£71.13	JAH24120	£105.23	£89.44
	2				E5H24921	£83.68	£71.13	JAH24921	£105.23	£89.44
	2.5				E5H24922	£83.68	£71.13	JAH24922	£105.23	£89.44
	3				E5H24923	£83.68	£71.13	JAH24923	£105.23	£89.44
	0.5	12	48	100	E5H24924	£132.16	£112.33	JAH24924	£153.69	£130.64
	1				E5H24925	£132.16	£112.33	JAH24925	£153.69	£130.64
	1.5				E5H24926	£132.16	£112.33	JAH24926	£153.69	£130.64
	2				E5H24927	£132.16	£112.33	JAH24927	£153.69	£130.64
	2.5				E5H24928	£132.16	£112.33	JAH24928	£153.69	£130.64
	3				E5H24929	£132.16	£112.33	JAH24929	£153.69	£130.64
14	1	14	30	89	E5H24140	£140.16	£119.13	JAH24140	£170.05	£144.55
	2				E5H24930	£140.16	£119.13	JAH24930	£170.05	£144.55
	3				E5H24931	£140.16	£119.13	JAH24931	£170.05	£144.55
16	1.5	16	32	92	E5H24160	£152.15	£129.32	JAH24160	£193.92	£164.83
	2				E5H24932	£152.15	£129.32	JAH24932	£193.92	£164.83
	2.5				E5H24933	£152.15	£129.32	JAH24933	£193.92	£164.83
	3				E5H24934	£152.15	£129.32	JAH24934	£193.92	£164.83
	4				E5H24935	£152.15	£129.32	JAH24935	£193.92	£164.83
	0.5	16	64	125	E5H24936	£194.39	£165.23	JAH24936	£243.22	£206.73
	1				E5H24937	£194.39	£165.23	JAH24937	£243.22	£206.73
	1.5				E5H24938	£194.39	£165.23	JAH24938	£243.22	£206.73
	2				E5H24939	£194.39	£165.23	JAH24939	£243.22	£206.73
	2.5				E5H24940	£194.39	£165.23	JAH24940	£243.22	£206.73
	3				E5H24941	£194.39	£165.23	JAH24941	£243.22	£206.73
	4				E5H24942	£194.39	£165.23	JAH24942	£243.22	£206.73
20	2	20	38	104	E5H24200	£268.73	£228.42	JAH24200	£325.93	£277.04
	2.5				E5H24943	£268.73	£228.42	JAH24943	£325.93	£277.04
	3				E5H24944	£268.73	£228.42	JAH24944	£325.93	£277.04
	4				E5H24945	£268.73	£228.42	JAH24945	£325.93	£277.04
	0.5	20	80	150	E5H24946	£365.02	£310.26	JAH24946	£422.23	£358.90
	1				E5H24947	£365.02	£310.26	JAH24947	£422.23	£358.90
	1.5				E5H24948	£365.02	£310.26	JAH24948	£422.23	£358.90
	2				E5H24949	£365.02	£310.26	JAH24949	£422.23	£358.90
	2.5				E5H24950	£365.02	£310.26	JAH24950	£422.23	£358.90
	3				E5H24951	£365.02	£310.26	JAH24951	£422.23	£358.90
	4				E5H24952	£365.02	£310.26	JAH24952	£422.23	£358.90

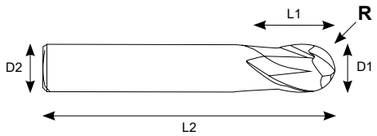
YG ALU-POWER

Advanced Performance

2 FLUTE UNCOATED CARBIDE BALL NOSE 50° HELIX

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium and copper
- Increased tool life and higher cutting accuracy
- Provides mirror surface finish



MG SC | 2 | 50° | R ±0.02 | PLAIN | LAPPED

Copper	Aluminium
●	●

D1	R	D2	L1	L2	Order Code	List Price	Offer Price
0.5	0.25	6	1	40	E5D80005	£23.54	£20.01
1	0.5	3	2.5	50	E5D800103S	£17.28	£14.69
		6	6		E5D8001006	£19.82	£16.85
1.5	0.75	3	4	50	E5D800153S	£17.28	£14.69
		6	8		E5D8001508	£19.82	£16.85
2	1	3	5	50	E5D800203S	£17.28	£14.69
		6	5		E5D80020	£19.82	£16.85
		6	10		E5D8002010	£19.82	£16.85
3	1.5	3	8	60	E5D800303S	£18.38	£15.62
		6	8		E5D80030	£20.70	£17.60
		6	12		E5D8003012	£20.70	£17.60
4	2	4	10	70	E5D800404S	£21.07	£17.91
		6	16		E5D8004016	£23.54	£20.01
6	3	6	12	90	E5D80060	£23.54	£20.01
8	4	8	14	100	E5D80080	£27.86	£23.68
10	5	10	18	100	E5D80100	£44.78	£38.06
12	6	12	22	110	E5D80120	£60.84	£51.71

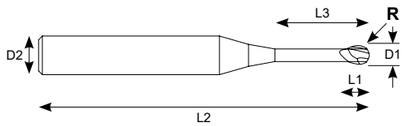
YG ALU-POWER

Advanced Performance

2 FLUTE BALL NOSE UNCOATED CARBIDE LONG NECK

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Metals

- Designed for machining aluminium, copper and plastic
- Increased tool life and higher cutting accuracy
- Provides mirror surface finish
- Long neck design for deep pocket machining



MG SC | 2 | 30° | R ±0.01 | PLAIN | LAPPED

Copper	Aluminium
○	●

D1	R	D2	L1	L2	L3	Order Code	List Price	Offer Price
0.5	0.25	4	1	45	5	E5E9000505	£39.50	£33.57
					10	E5E9000510	£39.50	£33.57
1	0.5	4	2	50	3	E5E9001003	£34.66	£29.46
					8	E5E9001008	£34.66	£29.46
					16	E5E9001016	£34.66	£29.46
					26	E5E9001026	£42.16	£35.84
1.5	0.75	4	3	50	4	E5E9001504	£34.66	£29.46
					10	E5E9001510	£34.66	£29.46
					20	E5E9001520	£34.66	£29.46
2	1	4	4	50	6	E5E9002006	£34.66	£29.46
					10	E5E9002010	£34.66	£29.46
					20	E5E9002020	£34.66	£29.46

D1	R	D2	L1	L2	L3	Order Code	List Price	Offer Price
2	1	4	4	80	40	E5E9002040	£44.83	£38.10
				110	60	E5E9002060	£56.39	£47.93
2.5	1.25	4	5	50	10	E5E9002510	£34.66	£29.46
				70	30	E5E9002530	£40.33	£34.28
3	1.5	6	6	50	8	E5E9003008	£39.35	£33.45
				60	20	E5E9003020	£40.48	£34.40
				80	40	E5E9003040	£53.87	£45.79
				100	60	E5E9003060	£67.63	£57.49
4	2	6	8	50	10	E5E9004010	£39.35	£33.45
				60	20	E5E9004020	£40.48	£34.40
				80	40	E5E9004040	£53.87	£45.79
				100	60	E5E9004060	£67.63	£57.49

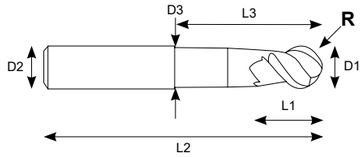
YG ALU-POWER

Advanced Performance

2 FLUTE UNCOATED CARBIDE BALL NOSE 50° HELIX, NECKED

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium and copper
- Increased tool life and higher cutting accuracy
- Provides mirror surface finish



MG SC | 2 | 50° | R ±0.01 | PLAIN | LAPPED

Copper	Aluminium
●	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
6	3	6	5.4	5.5	55	25	E5910060	£25.60	£21.76
8	4	8	7.2	7	65	30	E5910080	£39.99	£33.99
10	5	10	9	8.5	75	35	E5910100	£60.49	£51.41
12	6	12	11	10.5	75	40	E5910120	£78.75	£66.94
16	8	16	14.5	14	90	50	E5910160	£116.57	£99.08
20	10	20	18	17	100	50	E5910200	£166.77	£141.75

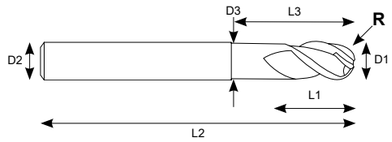
YG ALU-POWER

Advanced Performance

3 FLUTE UNCOATED CARBIDE BALL NOSE, NECKED

Uncoated Carbide for Mirror Finish Machining of Aluminium & Non-Ferrous Material

- Designed for machining aluminium and copper
- Increased tool life and higher cutting accuracy
- Provides mirror surface finish



MG SC | 3 | 40° | R ±0.01 | PLAIN | LAPPED

Copper	Aluminium
●	●

D1	R	D2	D3	L1	L2	L3	Order Code	List Price	Offer Price
2	1	6	1.9	3	60	5	E5908020	£28.05	£23.84
2.5	1.25	6	2.4	4	60	6	E5908025	£28.05	£23.84
3	1.5	6	2.8	4.5	60	6.5	E5908030	£28.05	£23.84
3.5	1.75	6	3.2	5	65	7	E5908035	£28.22	£23.99
4	2	6	3.7	6	65	8	E5908040	£28.22	£23.99
5	2.5	6	4.6	7.5	65	10	E5908050	£28.22	£23.99
6	3	6	5.6	9	75	12	E5908060	£28.22	£23.99
8	4	8	7.4	12	75	25	E5908080	£42.17	£35.84
10	5	10	9.4	15	80	30	E5908100	£64.13	£54.51
12	6	12	11.4	18	90	36	E5908120	£79.70	£67.75
16	8	16	15.4	24	100	40	E5908160	£117.47	£99.85

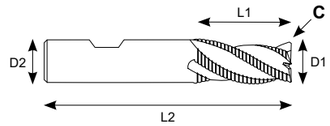
YG ALU-POWER

Advanced Performance

3 FLUTE UNCOATED CARBIDE RIPPER

Uncoated Carbide Ripper for Rough Machining Of Aluminum & Non-Ferrous Metals

- Designed for machining aluminium and copper
- Superior chip evacuation
- Aluminium pitch prevents built up edge
- Chamfer corner prep prevents tool chipping



MG SC | 3 | 30° | ALU | DIN 6535HA | DIN 6535HB | C x 45°

Copper	Aluminium
○	●

D1	D2	L1	L2	C	Order Code Plain Shank	Order Code Weldon Shank	List Price	Offer Price
6	6	16	57	0.6	E5742060	E5711060	£33.86	£28.78
7	8	16	63		E5742070	E5711070	£36.41	£30.95
8	8	16	63		E5742080	E5711080	£36.41	£30.95
9	10	19	72		E5742090	E5711090	£58.29	£49.54
10	10	22	72		E5742100	E5711100	£58.29	£49.54
12	12	26	83		E5742120	E5711120	£76.69	£65.19
14	14	26	83	0.91	E5742140	E5711140	£82.48	£70.10
16	16	32	92		E5742160	E5711160	£113.59	£96.55
18	18	32	92		E5742180	E5711180	£146.58	£124.60
20	20	38	104		E5742200	E5711200	£179.57	£152.64
25	25	45	121		E5742250	E5711250	£332.30	£282.45

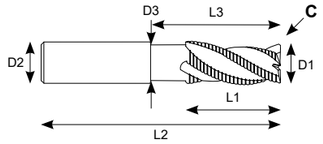
YG ALU-POWER

Advanced Performance

3 FLUTE UNCOATED CARBIDE RIPPER, NECKED

Uncoated Carbide Ripper for Rough Machining Of Aluminum & Non-Ferrous Metals

- Designed for machining aluminium and copper
- Superior chip evacuation
- Aluminium pitch prevents built up edge
- Reduced neck diameter for deep pocket machining
- Chamfer corner prep prevents tool chipping



MG SC | 3 | 30° | ALU | DIN 6535HA | C x 45° | LAPPED

Copper	Aluminium
○	●

D1	D2	D3	L1	L2	L3	C	Order Code	List Price	Offer Price
6	6	5	16	57	20	0.6	E5E39060	£42.52	£36.14
8	8	7	16	63	25		E5E39080	£44.83	£38.11
10	10	9	22	72	30		E5E39100	£71.02	£60.37
12	12	10.5	26	83	36		E5E39120	£90.69	£77.08
16	16	14.5	32	92	42	0.91	E5E39160	£133.56	£113.53
20	20	18.5	38	104	52		E5E39200	£211.48	£179.75

NON-FEROUS MILLING

P M S K N

FORM MILLING

Reliable chamfering, engraving, corner rounding & more

Chamfer Mills P 81-84
Chamfer Drill Mills P 85
Engraving P 86
Corner Rounding P 87

- Carbide chamfer mills from 30-60 degrees, suitable for a wide range of materials
- Chamfer drill mills for multi purpose drilling, v-slotting, profiling and chamfering
- Sharp point carbide engraving tools for precision machining a wide range of materials

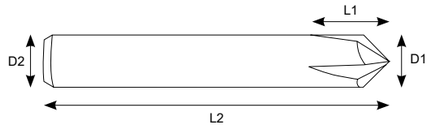
cutwel PRO

General Purpose

4 FLUTE 45° GENERAL PURPOSE SOLID CARBIDE CHAMFER MILL

Uncoated and TiAlN Coated Carbide

- Chamfer milling cutter suitable for general machining all materials up to HRC45
- 45° chamfer angle
- Plain shank



MG SC | 4 | PLAIN | 45°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

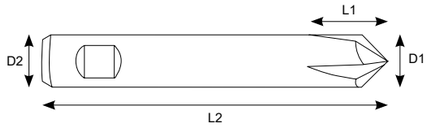
D1	D2	L1	L2	Order Code: Uncoated	List Price	Offer Price	TiAlN Coated	List Price	Offer Price
6	6	8	38	CMC100-45-6	£16.21	£13.78	CMC200-45-6	£20.42	£17.35
8	8	11	43	CMC100-45-8	£25.53	£21.70	CMC200-45-8	£29.80	£25.33
10	10	13	50	CMC100-45-10	£36.06	£30.65	CMC200-45-10	£40.81	£34.69
12	12	15	60	CMC100-45-12	£52.42	£44.55	CMC200-45-12	£55.25	£46.97

cutwel PRO

General Purpose

3-5 FLUTE 30° SOLID CARBIDE CHAMFER MILL

- Ultra coated
- 30° chamfer angle
- Suitable for chamfering & deburring applications



MG SC | 3-5 | WELDON | 30°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

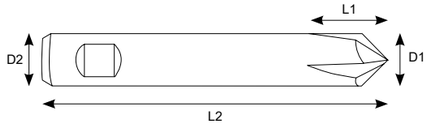
D1	D2	L1	L2	No. of Flutes	Order Code	List Price	Offer Price
1					CMC200-30-1	£21.85	£18.57
2	3	3	39	3	CMC200-30-2	£21.85	£18.57
3					CMC200-30-3	£24.07	£20.46
4	4	4	54	4	CMC200-30-4	£26.61	£22.62
6	6	6	57		CMC200-30-6	£32.93	£27.99
8	8	8	63	5	CMC200-30-8	£45.61	£38.77
10	10	10	72		CMC200-30-10	£61.13	£51.96
12	12	12	83		CMC200-30-12	£90.90	£77.27

cutwel PRO

General Purpose

3-5 FLUTE 60° SOLID CARBIDE CHAMFER MILL

- Ultra coated
- 60° chamfer angle
- Suitable for chamfering & deburring applications



MG SC | 3-5 | WELDON | 60°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

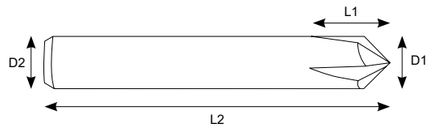
D1	D2	L1	L2	No. of Flutes	Order Code	List Price	Offer Price
1	1		39		CMC200-60-1	£21.85	£18.57
2	2	3	39	3	CMC200-60-2	£21.85	£18.57
3	3		39		CMC200-60-3	£24.07	£20.46
4	4	4	54	4	CMC200-60-4	£26.61	£22.62
6	6	6	57		CMC200-60-6	£31.99	£27.19
8	8	8	63	5	CMC200-60-8	£45.61	£38.77
10	10	10	72		CMC200-60-10	£61.13	£51.96
12	12	12	83		CMC200-60-12	£90.90	£77.27

YG

2 FLUTE 45° CHAMFER MILL

High Performance

- Suitable for edge chamfering, centering, and similar operations
- 45° chamfer angle
- Excellent performance on materials such as stainless steel, mild steel, and cast iron



MG SC | PLAIN | WELDON | 45°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

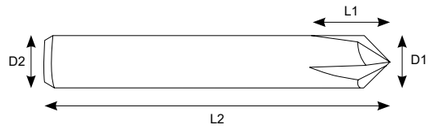
D1	D2	L1	L2	Order Code: Plain Shank	Order Code: Weldon Shank	List Price	Offer Price
3	3	1.5	60	EHI28030	-	£19.20	£16.32
4	4	2	60	EHI28040	-	£19.20	£16.32
6	6	3	60	EHI28060	EHK37060	£23.34	£19.84
8	8	4	70	EHI28080	EHK37080	£29.37	£24.97
10	10	5	75	EHI28100	EHK37100	£39.46	£33.54
12	12	6	80	EHI28120	EHK37120	£58.66	£49.86
16	16	8	100	EHI28160	EHK37160	£81.50	£69.27
20	20	10	100	EHI28200	EHK37200	£144.60	£122.91

YG

3 FLUTE 45° CHAMFER MILL

High Performance

- The helix design enhances cutting performance and improves chamfer surface finish quality
- 45° chamfer angle
- Designed with a dubbed point to prevent chipping at the tip



MG SC | 3 | PLAIN | WELDON | 45°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

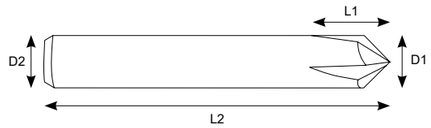
D1	D2	L1	L2	Order Code: Plain Shank	Order Code: Weldon Shank	List Price	Offer Price
0.8	3	1.1	60	EHI29030	-	£19.20	£16.32
	4	1.6	60	EHI29040	-	£19.20	£16.32
1	6	2.5	60	EHI29060	EHK38060	£23.34	£19.84
	8	3.5	70	EHI29080	EHK38080	£29.37	£24.97
2	10	4	75	EHI29100	EHK38100	£39.46	£33.54
	12	5	80	EHI29120	EHK38120	£58.66	£49.86

YG

4 FLUTE 45° CHAMFER MILL

High Performance

- The increased number of cutting edges extends tool life and improves productivity
- 45° chamfer angle
- Improved surface finish quality on workpiece



MG SC | 4 | PLAIN | WELDON | 45°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

D1	D2	L1	L2	Order Code: Plain Shank	Order Code: Weldon Shank	List Price	Offer Price
3	3	1.5	60	EHI30030	-	£19.20	£16.32
4	4	2	60	EHI30040	-	£19.20	£16.32
6	6	3	60	EHI30060	EHK39060	£23.34	£19.84
8	8	4	70	EHI30080	EHK39080	£29.37	£24.97
10	10	5	75	EHI30100	EHK39100	£39.46	£33.54
12	12	6	80	EHI30120	EHK39120	£58.66	£49.86
16	16	8	100	EHI30160	EHK39160	£81.50	£69.27
20	20	10	100	EHI30200	EHK39200	£144.60	£122.91

Karnasch PROFESSIONAL TOOLS

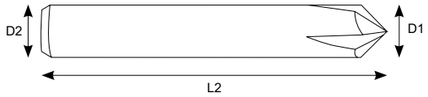
4-6 FLUTE 30° & 45° CHAMFER MILL

High Performance

- Chamfer milling cutter suitable for high performance machining all materials up to HRC65
- 45° or °30° chamfer angle
- Plain shank

30°

45°



MG SC | 4-6 | PLAIN | UFX-3 COATED | 30° | 45°

Steel	Stainless Steel	HRSA's e.g. Inconel	Cast Iron	Aluminium
●	●	●	●	○

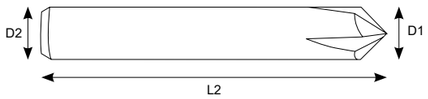
D1	D2	L2	No. of Flutes	Order Code	List Price	Offer Price
			30°			
4	4	54	4	3064920400	£37.64	£33.88
6	6	57		3064920600	£44.31	£39.88
8	8	63	5	3064920800	£55.35	£49.82
10	10	72	6	3064921000	£75.25	£67.73
12	12	83		3064921200	£115.10	£103.59
			45°			
4	4	54	4	3064930400	£37.64	£33.88
6	6	57		3064930600	£44.31	£39.88
8	8	63	5	3064930800	£55.35	£49.82
10	10	72	6	3064931000	£70.94	£63.85
12	12	83		3064931200	£108.50	£97.65

Karnasch PROFESSIONAL TOOLS

3 FLUTE 45° ALUMINIUM CHAMFER MILL

High Performance

- Lapped 3 flute design for aluminium, copper, plastic & brass
- 45° chamfer angle
- Plain shank



MG SC | 3 | PLAIN | 45° | LAPPED

Aluminium
●

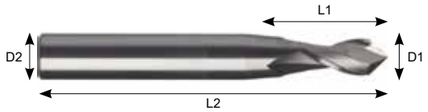
D1	D2	L2	Order Code	List Price	Offer Price
4	4	54	3062000400	£47.48	£42.73
6	6	57	3062000600	£61.45	£55.30
8	8	63	3062000800	£71.23	£64.10
10	10	72	3062001000	£96.36	£86.72
12	12	83	3062001200	£149.44	£134.49

cutwel PRO

General Purpose

2 FLUTE 30/45/60° CHAMFER DRILL MILL

- 1 tool for multiple applications: v-slot milling, countersinking, angle milling, chamfering, spot drilling, drilling, profiling and bevel milling
- Uncoated solid carbide
- Angle refers to chamfer angle not inclusive angle



MG SC | 2 | PLAIN | 30° | 45° | 60°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

D1	D2	L1	L2	Order Code 30°	List Price	Offer Price	45°	List Price	Offer Price	60°	List Price	Offer Price
1	3	2	39	-	-	-	DM200-45-1	£17.93	£15.24	-	-	-
1.2	3	2.4	39	-	-	-	DM200-45-1.2	£17.93	£15.24	-	-	-
1.5	3	3	39	-	-	-	DM200-45-1.5	£17.93	£15.24	-	-	-
2	3	4	39	-	-	-	DM200-45-2	£17.93	£15.24	-	-	-
2.5	3	5	39	-	-	-	DM200-45-2.5	£17.93	£15.24	-	-	-
3	4	6	50	DM200-30-3	£22.11	£18.79	DM200-45-3	£22.11	£18.79	DM200-60-3	£22.11	£18.79
4	5	8	50	DM200-30-4	£23.51	£19.98	DM200-45-4	£23.51	£19.98	DM200-60-4	£23.51	£19.98
5	6	10	50	DM200-30-5	£23.51	£19.98	DM200-45-5	£23.51	£19.98	DM200-60-5	£23.51	£19.98
6	8	12	60	DM200-30-6	£35.38	£30.07	DM200-45-6	£35.38	£30.07	DM200-60-6	£37.48	£31.86
8	10	16	70	DM200-30-8	£45.14	£38.37	DM200-45-8	£45.14	£38.37	DM200-60-8	£45.14	£38.37
10	12	18	70	DM200-30-10	£54.46	£46.29	DM200-45-10	£54.46	£46.29	DM200-60-10	£54.46	£46.29
12	12	20	70	DM200-30-12	£58.87	£50.04	DM200-45-12	£58.87	£50.04	DM200-60-12	£58.87	£50.04
16	16	26	80	-	-	-	DM200-45-16	£75.92	£64.53	-	-	-
20	20	32	100	-	-	-	DM200-45-20	£126.04	£107.13	-	-	-

cutwel PRO

General Purpose

3-4 FLUTE 45° TiAlN COATED FRONT & BACK CHAMFER MILL

- 1 tool for multiple applications: chamfering, back chamfering, groove milling, countersinking & deburring
- TiAlN coated carbide

MG SC | 3-4 | PLAIN | TiAlN COATED | 45°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

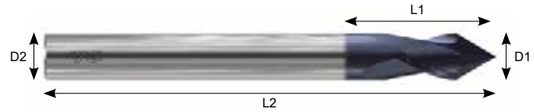
D1	D2	D3	L1	L2	No. of Flutes	Order Code	List Price	Offer Price
1.4	3	0.9	3.8	39		CMFB-45-1.4	£26.13	£22.21
1.9	3	1.2	5	39		CMFB-45-1.9	£26.13	£22.21
2.4	3	1.5	6.2	39		CMFB-45-2.4	£26.13	£22.21
2.9	3	1.8	7.4	39		CMFB-45-2.9	£26.13	£22.21
3.4	4	2.1	8.6	54	3	CMFB-45-3.4	£32.21	£27.38
3.9	4	2.4	9.8	54		CMFB-45-3.9	£32.21	£27.38
4.4	5	2.7	11	55		CMFB-45-4.4	£38.45	£32.68
4.9	5	3	12.2	55		CMFB-45-4.9	£38.45	£32.68
5.9	6	3.6	14.6	57		CMFB-45-5.9	£40.77	£34.65
7.8		-	-			CMFB-45-7.8	£81.18	£69.00
9.8		-	-			CMFB-45-9.8	£104.45	£88.78
11.8	6	-	-	100	4	CMFB-45-11.8	£114.90	£97.66
13.8		-	-			CMFB-45-13.8	£144.21	£122.58
15.8		-	-			CMFB-45-15.8	£180.66	£153.56

YG

High Performance

2 FLUTE 30/45/60° TiAlN COATED CHAMFER DRILL MILL

- 1 tool for multiple applications: v-slot milling, countersinking, angle milling, chamfering, spot drilling, drilling, profiling and bevel milling
- TiAlN coated carbide



MG SC | 2 | PLAIN | TiAlN COATED | 30° | 45° | 60°

Steel	Stainless Steel	Cast Iron	Aluminium
●	○	●	○

D1	D2	L1	L2	Order Code 30°	List Price	Offer Price	45°	List Price	Offer Price	60°	List Price	Offer Price
3	4	6	50	EHK28030	£26.89	£22.85	EHK29030	£26.89	£22.85	EHK30030	£26.89	£22.85
4	6	8	50	EHK28040	£32.69	£27.78	EHK29040	£32.69	£27.78	EHK30040	£32.69	£27.78
5	6	10	50	EHK28050	£32.69	£27.78	EHK29050	£32.69	£27.78	EHK30050	£32.69	£27.78
6	6	12	60	EHK28060	£32.69	£27.78	EHK29060	£32.69	£27.78	EHK30060	£32.69	£27.78
8	8	16	70	EHK28080	£41.11	£34.95	EHK29080	£41.11	£34.95	EHK30080	£41.11	£34.95
10	10	20	70	EHK28100	£55.26	£46.97	EHK29100	£55.26	£46.97	EHK30100	£55.26	£46.97
12	12	24	80	EHK28120	£82.14	£69.82	EHK29120	£82.14	£69.82	EHK30120	£82.14	£69.82
16	16	32	90	EHK28160	£105.96	£90.07	EHK29160	£105.96	£90.07	EHK30160	£105.96	£90.07
20	20	40	100	EHK28200	£187.97	£159.77	EHK29200	£187.97	£159.77	EHK30200	£187.97	£159.77

cutwel PRO

1 FLUTE 60° & 90° SOLID CARBIDE ENGRAVING TOOL

Uncoated

- For all types of materials
- 60° and 90° chamfer angles
- Sharp point
- Plain shank

MG SC | 1 | PLAIN | 60° | 90°

Steel	Stainless Steel	HRSA's e.g. Inconel	Cast Iron	Aluminium
●	●	○	●	●

D2	L1	L2	Order Code					
			60°	List Price	Offer Price	90°	List Price	Offer Price
3	4	50	ETSC60-3	£25.87	£21.99	ETSC90-3	£28.46	£24.19
4	5	50	ETSC60-4	£31.04	£26.39	ETSC90-4	£34.14	£29.02
6	7	60	ETSC60-6	£38.81	£32.99	ETSC90-6	£42.69	£36.29
8	9	80	ETSC60-8	£56.90	£48.37	ETSC90-8	£62.59	£53.20
10	11	100	ETSC60-10	£86.20	£73.27	ETSC90-10	£94.82	£80.60
12	12	100	ETSC60-12	£117.26	£99.67	ETSC90-12	£128.99	£109.64

cutwel PRO

4 FLUTE TiAlN COATED CARBIDE CORNER ROUNDING CUTTER

- Corner rounding for machining external radius
- TiAlN coated carbide for high performance machining
- Excellent for steel, stainless steel & cast iron
- Also suitable for hardened steel up to HRC45 & HRSA's
- Plain shank

MG SC | 4 | PLAIN | TiAlN COATED | CORNER RADIUS

Steel	Hardened Steel	Stainless Steel	HRSA's e.g. Inconel	Cast Iron	Aluminium
●	○	●	●	●	●

R	D1	D2	L2	Order Code	List Price	Offer Price
0.5	5	6	58	CRT200--R0.5	£47.88	£40.70
1	4	6	58	CRT200--R1	£47.88	£40.70
1.5	5	8	64	CRT200--R1.5	£64.81	£55.09
2	6	10	72	CRT200--R2	£86.92	£73.88
2.5	5	10	72	CRT200--R2.5	£86.92	£73.88
3	6	12	74	CRT200--R3	£103.14	£87.67
3.5	5	12	74	CRT200--R3.5	£103.14	£87.67
4	8	16	80	CRT200--R4	£129.61	£110.17
4.5	7	16	80	CRT200--R4.5	£129.61	£110.17
5	6	16	80	CRT200--R5	£129.61	£110.17
5.5	9	20	80	CRT200--R5.5	£179.72	£152.76
6	8	20	80	CRT200--R6	£179.72	£152.76

FORM MILLING

cutwel

TOTAL TOOLING SOLUTIONS

FOR ENHANCED PRODUCTIVITY & SERVICE

- Milling
- Hole Making
- Turning
- Threading
- Toolholding
- Workholding
- Measuring
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