



Jet Power

Jet Power coated micrograin solid carbide milling cutters are specifically designed for high performance machining of stainless steel, inconel and titanium. They are also suitable for machining all steels up to 45 Rockwell.

All Jet Power milling cutters have special flute geometries designed to assist in the machining of difficult to cut metals such as stainless steel, inconel and titanium. The special flute geometry provides an ultra sharp cutting edge to assist in the break up of swarf and high chip removal rates.

The special Jet Power coating and prime grade carbide provides superior heat and wear resistance and enables high performance cutting.

Size Range and Coatings

1 mm to 25 mm. Special Jet Power coating.

V7 Mill

Faster and deeper!

V7 Mill is the future generation of performance carbide machining. YG-1 V7 Mills are specifically designed for high performance machining of stainless steel, inconel and titanium and allows you to rough and finish with one tool.

When slotting with V7 Mill you are able to take a depth of cut equal to the diameter, something no other finishing end mill will allow you to do in the YG range.

The other benefits are supreme surface finish, improved oxidation resistance and toughness, and corner radius cutters for protection against chipping.

V7 Mills are made from prime grade carbide and coated with AlTiN.

Size Range and Coatings







3 mm to 25 mm. AlTiN.





Jet Power + V7 Mill Coated Carbide



EH911	2 Flute 35° Helix	50	
EH830	Multi Flute 50° Helix	50	
EE515	Multi Flute 30° Helix	51	
EH915	6 Flute 45° Helix Long	51	
EH852	Multi Flute 30° Helix Ripper Short	52	
EH831	Multi Flute 30° Helix Ripper Long	52	
EMB42	4 Flute Stub Length V7 Mill	53	
EMB43	4 Flute Stub Length V7 Mill + Corner Rads	53	
EMB39	4 Flute Standard Length V7 Mill	54	
EMB15	4 Flute Standard Length V7 Mill + Corner Rads	54	



BRIGHT IDEAS!

Speeds and feeds

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

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



can't find what you're looking for?

see our **index** at the back!



CUTWEL RECOMMENDS

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

2 Flute 35° Helix
**SOLID CARBIDE 2 FLUTE
STANDARD LENGTH 35° HELIX**


Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	No. of Flute	2007 £
EH911010	1.0	4	2.5	40	2	11.50
EH911015	1.5	4	4	40	2	11.50
EH911020	2.0	4	6	40	2	10.46
EH911025	2.5	4	8	40	2	10.46
EH911030	3.0	6	8	45	2	15.12
EH911040	4.0	6	11	45	2	15.12
EH911050	5.0	6	13	50	2	15.12
EH911060	6.0	6	13	50	2	15.12
EH911070	7.0	8	16	60	2	19.36
EH911080	8.0	8	19	60	2	19.36
EH911085	8.5	10	19	70	2	28.66
EH911100	10.0	10	22	70	2	28.66
EH911120	12.0	12	26	75	2	39.30

Multi Flute, 50° High Helix End Mill
MULTI FLUTE 50° HIGH HELIX END MILL


Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	No. of Flute	2007 £
Plain Shank						
EH830060	6.0	6.0	13.0	50.0	3	18.50
EH830080	8.0	8.0	19.0	60.0	3	23.68
EH830100	10.0	10.0	22.0	70.0	3	35.04
EH830120	12.0	12.0	25.0	75.0	3	48.06
EH830160	16.0	16.0	32.0	90.0	3	79.72
EH830180	18.0	18.0	32.0	90.0	3	116.54
EH830200	20.0	20.0	38.0	100.0	4	132.18
EH830250	25.0	25.0	45.0	120.0	4	211.49



Jet Power ... high performance machining of Stainless, Titanium, Inconel and general steels


BRIGHT IDEAS!

Mould and toolmakers, please see our X-Power range for one of the most comprehensive tool ranges for the mould and tool industry

Jet Power for

- Stainless
- Exotics
- General steels
- High performance
- Long tool life

Powder Metal Multi Flute

Speeds & Feeds
 Please see YG-1
 Milling Cutter
 Catalogue

MULTI FLUTE 30° HELIX SHORT LENGTH (ASP-60)


Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	No. of Flute	2007 £
Plain Shank						
EES15030	3.0	6.0	8.0	52.0	4	8.44
EES15040	4.0	6.0	11.0	55.0	4	8.44
EES15050	5.0	6.0	13.0	57.0	4	8.44
EES15060	6.0	6.0	13.0	57.0	4	8.44
EES15080	8.0	10.0	19.0	69.0	4	12.44
EES15100	10.0	10.0	22.0	72.0	4	12.88
EES15120	12.0	12.0	26.0	83.0	4	16.70
EES15140	14.0	12.0	26.0	83.0	4	19.97
EES15160	16.0	16.0	32.0	92.0	6	25.01
EES15180	18.0	16.0	32.0	92.0	6	30.83
EES15200	20.0	20.0	38.0	104.0	6	42.07
EES15250	25.0	25.0	45.0	121.0	6	65.07

6 Flute 45° Helix Long Length

**SOLID CARBIDE MULTI FLUTE
 LONG LENGTH 45° HELIX**


Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	No. of Flute	2007 £
EH915060	6	6	13	57	6	17.70
EH915070	7	8	16	63	6	22.41
EH915080	8	8	19	63	6	22.41
EH915090	9	10	19	72	6	33.56
EH915100	10	10	22	72	6	33.56
EH915120	12	12	26	83	6	45.62
EH915160	16	16	32	92	6	76.71
EH915180	18	18	32	92	6	89.71
EH915200	20	20	38	104	6	112.71

Jet Power ... high performance machining of Stainless, Titanium, Inconel and general steels

Jet Power

- High performance machining of Stainless Steel, Inconel and Titanium
- Also suitable for all steels up to 45 Rockwell
- Ultra sharp cutting edge to assist in the break up of swarf
- High chip removal rates
- Superior heat and wear resistance





Multi Flute, 30° Helix Roughing Short Length

MULTI FLUTE 30°HELIX ROUGHING SHORT LENGTH



Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	No. of Flute	2007 £
Plain Shank						
EH852060	6.0	6.0	7.0	54.0	3	17.59
EH852080	8.0	8.0	9.0	58.0	3	20.58
EH852100	10.0	10.0	14.0	66.0	4	30.74
EH852120	12.0	12.0	16.0	73.0	4	39.48
EH852140	14.0	14.0	18.0	75.0	4	47.90
EH852160	16.0	16.0	22.0	82.0	4	64.34
EH852180	18.0	18.0	24.0	84.0	4	82.44
EH852200	20.0	20.0	26.0	92.0	4	103.56
EH852250	25.0	25.0	25.0	110.0	5	181.56

Multi Flute, 30° Helix Roughing Long Length

MULTI FLUTE 30° HELIX ROUGHING LONG LENGTH



Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	No. of Flute	2007 £
Plain Shank						
EH831060	6.0	6.0	16.0	57.0	3	18.93
EH831080	8.0	8.0	16.0	63.0	3	22.13
EH831100	10.0	10.0	22.0	72.0	4	33.07
EH831120	12.0	12.0	26.0	83.0	4	42.46
EH831140	14.0	14.0	26.0	83.0	4	51.51
EH831160	16.0	16.0	32.0	92.0	4	69.17
EH831180	18.0	18.0	32.0	92.0	4	88.65
EH831200	20.0	20.0	38.0	104.0	4	111.34
EH831250	25.0	25.0	45.0	121.0	5	195.22



Jet Power ... high performance machining of Stainless, Titanium, Inconel and general steels

why not visit
our website?
www.cutwel.com
E.Mail sales@cutwel.net



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



Stub Length End Mill

4 FLUTE STUB LENGTH V7 MILL V7 COATING



Ordering Code	Mill Dia	Shank Dia	Length of Cut	Overall Length	2007 £
Flat Shank					
EMB42030	3.0	6	7	54	13.63
EMB42040	4.0	6	8	54	13.63
EMB42050	5.0	6	10	54	13.63
EMB42060	6.0	6	10	54	13.63
EMB42080	8.0	8	12	58	19.36
EMB42100	10.0	10	14	66	27.27
EMB42120	12.0	12	16	73	35.91
EMB42140	14.0	14	18	75	44.56
EMB42160	16.0	16	22	82	58.96
EMB42180	18.0	18	24	84	86.35
EMB42200	20.0	20	26	92	89.84



Stub Length End Mill With Corner Radius

4 FLUTE STUB LENGTH CORNER RADIUS V7 MILL V7 COATING



Ordering Code	Mill Dia	Shank Dia	Length of Cut	Overall Length	Radius	2007 £
Plain Shank						
EMB43030	3.0	6	7	54	RO.25-RO.38	16.43
EMB43040	4.0	6	8	54	RO.25-RO.38	16.43
EMB43050	5.0	6	10	54	RO.25-RO.38	16.43
EMB43060	6.0	6	10	54	RO.38-RO.51	16.43
EMB43080	8.0	8	12	58	RO.38-RO.51	22.91
EMB43100	10.0	10	14	66	RO.38-RO.51	31.90
EMB43120	12.0	12	16	73	RO.64-RO.76	41.90
EMB43140	14.0	14	18	75	RO.64-RO.76	52.04
EMB43160	16.0	16	22	82	RO.89-R1.02	67.07
EMB43180	18.0	18	24	84	RO.89-R1.02	100.38
EMB43200	20.0	20	26	92	RO.89-R1.02	101.57

Corner radius for protection against chipping

Faster and deeper machining

Rough and finish with one tool

Alloy Steels ... Tool Steels ... Stainless ... Titanium ... Inconel

BRIGHT IDEAS!
Machine 70 Rockwell hardened steel with X-Power coated carbide milling cutters



Standard Length End Mill
**4 FLUTE STANDARD LENGTH V7 MILL
V7 COATING**


Ordering Code	Mill Dia	Shank Dia	Length of Cut	Overall Length	2007 £
Flat Shank					
EMB39030	3.0	6	8	57	15.44
EMB39040	4.0	6	11	57	15.44
EMB39050	5.0	6	13	57	15.44
EMB39060	6.0	6	13	57	15.44
EMB39080	8.0	8	19	63	21.89
EMB39100	10.0	10	22	72	32.33
EMB39120	12.0	12	26	83	41.69
EMB39140	14.0	14	26	83	55.74
EMB39160	16.0	16	32	92	72.67
EMB39180	18.0	18	32	92	101.50
EMB39200	20.0	20	38	104	112.20
EMB39250	25.0	25	38	104	157.90


Standard Length End Mill With Corner Radius
**4 FLUTE STANDARD LENGTH
CORNER RADIUS V7 MILL V7 COATING**


Ordering Code	Mill Dia	Shank Dia	Length of Cut	Overall Length	Radius	2007 £
Plain Shank						
EMBI5030	3.0	6	8	57	RO.25-RO.38	18.77
EMBI5040	4.0	6	11	57	RO.25-RO.38	18.77
EMBI5050	5.0	6	13	57	RO.25-RO.38	18.77
EMBI5060	6.0	6	13	57	RO.38-RO.51	18.77
EMBI5080	8.0	8	19	63	RO.38-RO.51	25.84
EMBI5100	10.0	10	22	72	RO.38-RO.51	38.47
EMBI5120	12.0	12	26	83	RO.64-RO.76	48.10
EMBI5140	14.0	14	26	83	RO.64-RO.76	64.81
EMBI5160	16.0	16	32	92	RO.89-R1.02	84.84
EMBI5180	18.0	18	32	92	RO.89-R1.02	120.02
EMBI5200	20.0	20	38	104	RO.89-R1.02	130.57
EMBI5250	25.0	25	38	104	RO.89-R1.02	180.95



Faster and deeper machining

Rough and finish with one tool

Alloy Steels ... Tool Steels ... Stainless ... Titanium ... Inconel



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

Speeds + Feeds

Hardness ~HB 230
Strength ~1000N/mm2

Material	Alloy Steels Cast Iron		Stainless Steels 300 Series		Stainless Steels 400 Series		Titanium		Inconel	
	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
3	13475	275	8700	190	10400	240	8700	190	3080	43
4	10105	330	6525	250	7800	310	6525	250	2305	56
5	8085	370	5220	305	6240	380	5220	305	1850	68
6	6735	435	4355	355	5170	440	4355	355	1540	80
8	5050	555	3265	460	3900	570	3260	455	1155	103
10	4455	690	2665	515	2880	555	2665	515	890	69
12	3710	695	2230	520	2335	544	2230	520	745	69
14	3180	620	1910	480	2000	505	1910	480	640	64
16	2785	590	1670	440	1750	460	1670	440	555	59
18	2475	585	1485	437	1555	460	1485	440	495	58
20	2225	580	1340	435	1400	455	1340	435	445	58
25	1780	450	1070	350	1120	370	1070	350	355	47



• Alloy Steels, Cast Iron/Stainless Steels 300, 400 Series/Titanium



• Inconel

**RECOMMENDED
BY CUTWEL**

... for faster
and deeper
machining

**faster
deeper**

