

## Alu Power



YG-1 Alu Power tools are specifically designed for machining aluminium, copper, brass and non-ferrous materials. Their special geometry allows for ultimate performance and tool life compared to standard geometry milling cutters.

Alu Power tools come in a range of materials including HSSE powder metal and micrograin solid carbide to suit your machining capabilities. For example, using a 6 mm slot drill you achieve the following performance with different grades of cutters:

### 6 mm Performance Example

	HSSE	Carbide	TiCN Carbide
<b>Max RPM</b>	<b>7,000</b>	<b>10,000</b>	<b>10,000</b>
<b>Max Feed (mm/min)</b>	<b>700</b>	<b>1,200</b>	<b>2,200</b>

### Size Range

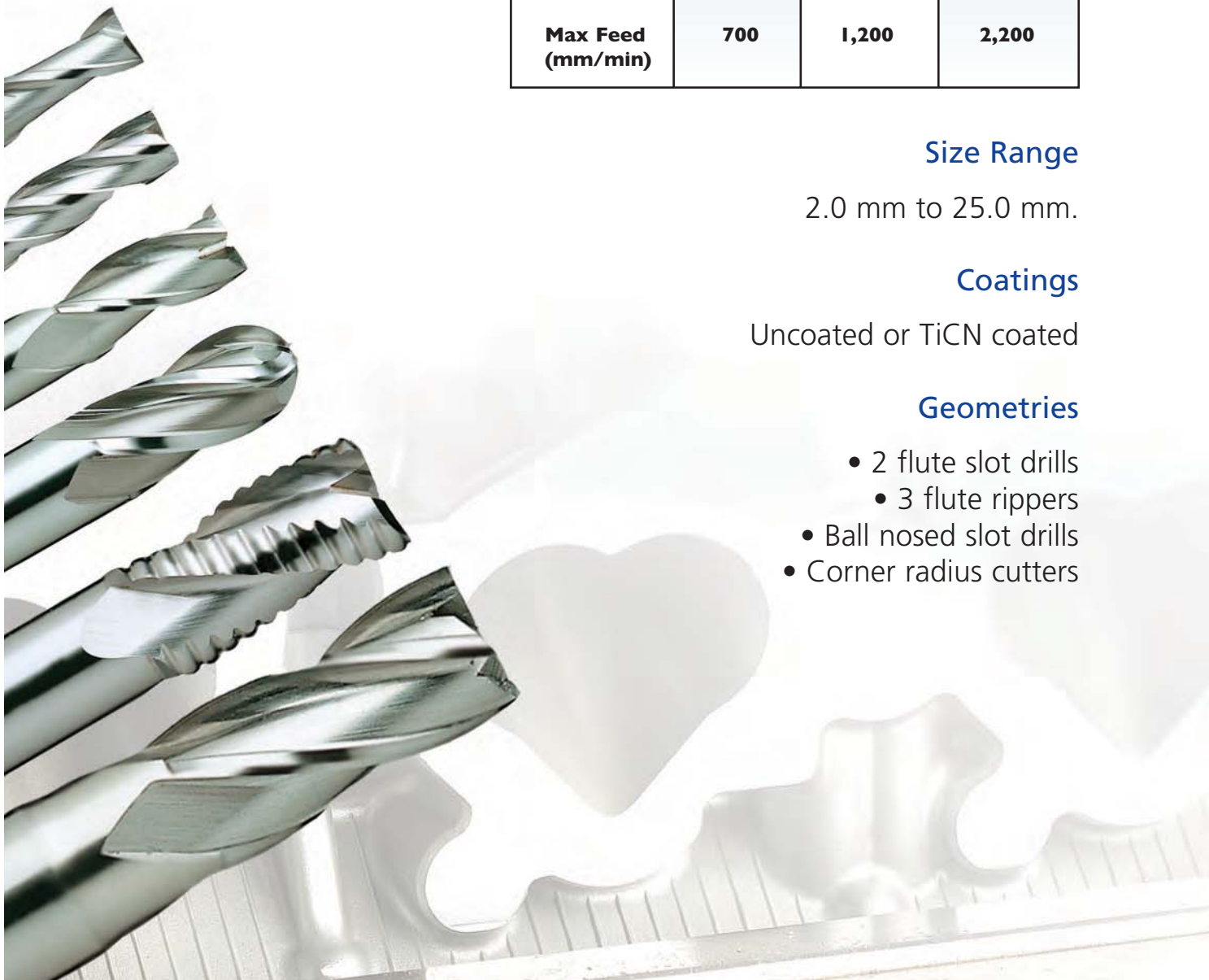
2.0 mm to 25.0 mm.

### Coatings

Uncoated or TiCN coated

### Geometries

- 2 flute slot drills
- 3 flute rippers
- Ball nosed slot drills
- Corner radius cutters



EL612	HSSE 1 Flute Slot Drill	74	
E2464	HSSE 2 Flute Slot Drill	74	
E2509	HSSE 2 Flute Slot Drill 42° Helix Long	75	
E2755	HSSE 3 Flute Ripper	75	
E5521	Carbide 2 Flute 46° Helix Slot Drill	76	
EG909	Carbide TiLN 2 Flute + Corner Rads	76	
EG930	Carbide TiLN 2 Flute + Corner Rads	76	
EG908	Carbide TiLN 3 Flute Ball Nosed	77	
EP923	Powder Metal Ripper 3 Flute	77	

- Same day despatch until 6 pm
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- Pre-discounted prices



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## HSSE Aluminium Machining Milling Cutters

### 1 FLUTE, HSS 5% COBALT SLOT DRILL FOR ALUMINIUM



Part Flat	Dia	Shank Dia	Flute Length	Overall Length	2007 £
EL612040	4.0	8	12	60	5.67
EL612050	5.0	8	14	60	5.67
EL612060	6.0	8	14	60	5.67
EL612080	8.0	8	14	80	5.67
EL612090	9.0	8	14	80	8.12
EL612100	10.0	8	14	80	8.12

### 2 FLUTE, HSS 8% COBALT 42° HELIX FOR ALUMINIUM



8% Cobalt Flat	Dia	Shank Dia	Flute Length	Overall Length	2007 £
E2464020	2.0	6	7	51	6.39
E2464025	2.5	6	8	52	6.39
E2464030	3.0	6	8	52	6.39
E2464035	3.5	6	10	54	6.39
E2464040	4.0	6	11	55	6.39
E2464045	4.5	6	11	55	6.39
E2464050	5.0	6	13	57	6.39
E2464055	5.5	6	13	57	6.39
E2464060	6.0	6	13	57	6.39
E2464065	6.5	10	16	66	9.69
E2464070	7.0	10	16	66	9.69
E2464075	7.5	10	16	66	9.69
E2464080	8.0	10	19	69	9.69
E2464085	8.5	10	19	69	9.69
E2464090	9.0	10	19	69	9.69
E2464100	10.0	10	22	72	9.69
E2464110	11.0	12	22	79	10.70
E2464120	12.0	12	26	83	10.70
E2464130	13.0	12	26	83	14.81
E2464140	14.0	12	26	83	14.81
E2464150	15.0	12	26	83	14.81
E2464160	16.0	16	32	92	14.81
E2464170	17.0	16	32	92	21.75
E2464180	18.0	16	32	92	21.75
E2464190	19.0	16	32	92	21.75
E2464200	20.0	20	38	104	21.75
E2464210	21.0	20	38	104	33.62
E2464220	22.0	20	38	104	33.62
E2464230	23.0	20	38	104	40.71
E2464240	24.0	25	45	121	40.71
E2464250	25.0	25	45	121	40.71



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## HSSE Aluminium Machining Milling Cutters

2 FLUTE, LONG SERIES, HSS 8% COBALT,  
42° HELIX FOR ALUMINIUM



8% Cobalt Flat	Dia	Shank Dia	Flute Length	Overall Length	2007 £
E2509020	2	6	10	54	7.42
E2509030	3	6	12	56	7.42
E2509040	4	6	19	63	7.42
E2509050	5	6	24	68	7.42
E2509060	6	6	24	68	7.42
E2509070	7	10	30	80	10.42
E2509080	8	10	38	88	10.42
E2509090	9	10	38	88	10.42
E2509100	10	10	45	95	10.42
E2509110	11	12	45	102	13.85
E2509120	12	12	53	110	13.85
E2509130	13	12	53	110	15.83
E2509140	14	12	53	110	15.83
E2509150	15	12	53	110	18.22
E2509160	16	16	63	123	19.35
E2509180	18	16	63	123	23.93
E2509200	20	20	75	141	28.57

HSS 8% COBALT RIPPER CUTTER. 3 FLUTE SHORT  
LENGTH, WITH FLATTED SHANK FOR ALUMINIUM



Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	2007 £
E2755060	6.0	6.0	13.0	57.0	16.92
E2755080	8.0	10.0	19.0	69.0	16.92
E2755100	10.0	10.0	22.0	72.0	16.92
E2755120	12.0	12.0	26.0	83.0	19.40
E2755140	14.0	12.0	26.0	83.0	25.92
E2755160	16.0	16.0	32.0	92.0	27.49
E2755180	18.0	16.0	32.0	92.0	31.40
E2755200	20.0	20.0	38.0	104.0	33.04
E2755220	22.0	20.0	38.0	104.0	44.46
E2755250	25.0	25.0	45.0	121.0	46.67
E2755300	30.0	25.0	45.0	121.0	79.65



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Alu Power ... available in a  
range of materials to suit  
your machining capabilities



## Solid Carbide Aluminium Machining

### 2 FLUTE, SOLID CARBIDE 45° HELIX FOR ALUMINIUM



Ordering Code Flat	Dia	Shank Dia	Flute Length	Overall Length	2007 £
<b>Carbide</b>					
E5521030	3.0	6.0	8	57	5.50
E5521040	4.0	6.0	11	57	7.50
E5521050	5.0	6.0	13	57	7.50
E5521060	6.0	6.0	13	57	7.50
E5521080	8.0	8.0	19	63	12.00
E5521100	10.0	10.0	22	72	18.07
E5521120	12.0	12.0	26	83	22.28
E5521140	14.0	14.0	26	83	34.53
E5521160	16.0	16.0	32	92	43.57
E5521180	18.0	18.0	32	92	56.64
E5521200	20.0	20.0	38	104	73.31

### 2 FLUTE, TiCN COATED, REDUCED NECK, 30° HELIX CORNER RADIUS FOR ALUMINIUM



Ordering Code	Dia	Radius	Shank Dia	Length of Cut	Length Below Shank	Overall Length	Neck Dia	2007 £
<b>Carbide Plain</b>								
EG909040	4	R0.3	6	5	10	50	3.6	13.42
EG909060	6	R0.5	6	8	20	60	5.4	13.42
EG909080	8	R0.6	8	10	30	70	7.2	18.65
EG909100	10	R0.8	10	12	36	80	9.0	27.99
EG909120	12	R1.0	12	14	40	90	11.0	43.44
EG909160	16	R1.3	16	18	45	100	14.5	69.29
EG909200	20	R1.6	20	24	45	100	18.0	109.89

### 2 FLUTE, TiCN COATED, REDUCED NECK, 25° HELIX CORNER RADIUS FOR ALUMINIUM



Ordering Code	Dia	Radius	Shank Dia	Length of Cut	Length Below Shank	Overall Length	Neck Dia	2007 £
<b>Carbide Plain</b>								
EG930020	2	R0.2	3	3	6	40	1.9	8.95
EG930030	3	R0.2	3	4	8	40	2.9	8.95
EG930040	4	R0.2	4	5	12	50	3.8	9.87
EG930050	5	R0.2	5	8	14	50	4.8	10.28
EG930060	6	R0.2	6	8	18	65	5.7	15.59
EG930080	8	R0.2	8	10	22	70	7.7	18.35
EG930100	10	R0.2	10	14	28	80	9.7	27.17
EG930120	12	R0.2	12	16	35	90	11.5	37.58
EG930160	16	R0.2	16	20	40	90	15.5	63.74
EG930200	20	R0.2	20	25	50	100	19.5	103.69



## Solid Carbide Aluminium Machining

3 FLUTE, TICN COATED, REDUCED NECK, BALL NOSED FOR ALUMINIUM



Ordering Code	Dia	Radius	Shank Dia	Length of Cut	Length Below Shank	Overall Length	Neck Dia	2007 £
<b>Carbide Plain</b>								
EG908020	2.0	1.00	6	3	5	60	1.9	16.20
EG908025	2.5	1.25	6	4	6	60	2.4	16.20
EG908030	3.0	1.50	6	4.5	7	60	2.8	16.20
EG908035	3.5	1.75	6	5	7	65	3.2	16.28
EG908040	4.0	2.00	6	6	8	65	3.7	16.28
EG908050	5.0	2.50	6	7.5	10	65	4.6	16.28
EG908060	6.0	3.00	6	9	12	75	5.6	16.28
EG908080	8.0	4.00	8	12	25	75	7.4	24.66
EG908100	10.0	5.00	10	15	30	80	9.4	36.50
EG908120	12.0	6.00	12	18	36	90	11.4	50.82
EG908160	16.0	8.00	16	24	40	100	15.4	74.20

3 FLUTE, TIALN COATED, POWDER METAL RIPPER FOR ALUMINIUM



Ordering Code	Dia	Shank Dia	Flute Length	Overall Length	2007 £
<b>Powder Metal Flat</b>					
EP923120	12	12	26	83	25.30
EP923140	14	12	26	83	34.49
EP923160	16	16	32	92	35.33
EP923180	18	16	32	92	38.99
EP923200	20	20	38	104	48.27
EP923250	25	25	45	121	68.00
EP923320	32	32	53	133	99.00



### BRIGHT IDEAS!

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Alu Power ... for machining aluminium, copper, brass and non-ferrous materials

Alu Power ... ultimate performance and tool life, compared to standard geometry milling cutters

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