



YG-1 Tank Power, Coated Powder Metal Milling Cutters The Next Generation of HSSE

Tank Power gives you the benefits of solid carbide performance with the toughness and flexibility of HSSE. Tank Power should double your performance compared with HSSE and give you at least 30% more tool life (please phone for cutting data).

Application

General machining of all steels up to 40 Rockwell and exceptional performance on stainless steel.

Size Range

1.0 mm to 25 mm.

No. of Flutes

2, 3 or 4 flutes are available.

Coatings

All Tank Power cutters are coated as standard with TiAlN for increased performance, tool life and heat resistance.

Geometries








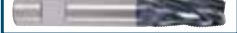
- Flatted shanks
- Square end or ball nosed
- Stub, short or long series
 - Finishers
 - Rippers





Tank Power Coated Powder Metal Milling Cutters



EP936	2 Flute Standard Length Slot Drill	30	
EPA29	2 Flute Long Length Slot Drill	30	
EP942	3 Flute Stub Length Slot Drill	31	
EPA30	3 Flute Standard Length Slot Drill	31	
EP938	4 Flute Standard Length Centre Cutting End Mill	32	
EPA31	4 Flute Long Length Centre Cutting End Mill	32	
EP940	2 Flute Ball Nosed Slot Drill	33	
EP941	Multi Flute Standard Length Fine Pitch Ripper	33	
EPA35	Multi Flute Long Length Fine Pitch Ripper	33	



CUTWEL RECOMMENDS

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

- 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 Slot Drills

2 FLUTE, STANDARD LENGTH TiAlN COATED POWDER METAL SLOT DRILL



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EP936010	1.0	6	2.5	47	2	8.01
EP936020	2.0	6	4	48	2	8.01
EP936030	3.0	6	5	49	2	8.01
EP936040	4.0	6	7	51	2	8.01
EP936050	5.0	6	8	52	2	8.01
EP936060	6.0	6	8	52	2	8.01
EP936070	7.0	10	10	60	2	11.56
EP936080	8.0	10	11	61	2	11.50
EP936090	9.0	10	11	61	2	12.93
EP936100	10.0	10	13	63	2	11.50
EP936120	12.0	12	16	73	2	12.93
EP936140	14.0	12	16	73	2	15.61
EP936160	16.0	16	19	79	2	20.33
EP936180	18.0	16	19	79	2	25.13
EP936200	20.0	20	22	88	2	24.44
EP936220	22.0	20	22	88	2	50.81
EP936250	25.0	25	26	102	2	49.90

See page 8
for technical
guide to YG-1
Milling Cutters

2 FLUTE, LONG LENGTH TiAlN COATED POWDER METAL SLOT DRILL



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EPA29060	6.0	6	13	57	2	11.38
EPA29080	8.0	10	16	66	2	17.16
EPA29100	10.0	10	22	72	2	17.77
EPA29120	12.0	12	26	83	2	23.59
EPA29140	14.0	12	26	83	2	26.30
EPA29160	16.0	16	32	92	2	31.20
EPA29180	18.0	16	32	92	2	39.07
EPA29200	20.0	20	38	104	2	50.81
EPA29250	25.0	25	45	121	2	67.92



CUTWEL RECOMMENDS

Tank Power on stainless steel
and all other steels <HRC45.

SPEEDS AND FEEDS

Please ask for a YG-1 Milling
technical catalogue

V7 MILL ... for ultimate
performance on stainless
and exotics.

See pages 53 - 55.



3 Flute Slot Drills

3 FLUTE, STUB LENGTH TiAlN COATED POWDER METAL SLOT DRILL



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EP942010	1.0	6	2.5	47	3	9.04
EP942020	2.0	6	4	48	3	9.04
EP942030	3.0	6	5	49	3	9.04
EP942040	4.0	6	7	51	3	9.04
EP942050	5.0	6	8	52	3	9.04
EP942060	6.0	6	8	52	3	9.04
EP942080	8.0	10	11	61	3	11.50
EP942090	9.0	10	11	61	3	13.63
EP942100	10.0	10	13	63	3	13.63
EP942120	12.0	12	16	73	3	14.79
EP942140	14.0	12	16	73	3	17.74
EP942160	16.0	16	19	79	3	23.69
EP942200	20.0	20	22	88	3	30.12

3 FLUTE, STANDARD LENGTH TiAlN COATED POWDER METAL SLOT DRILL



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EPA30010	1.0	6	3	47	3	9.50
EPA30020	2.0	6	7	51	3	9.50
EPA30030	3.0	6	8	52	3	9.50
EPA30040	4.0	6	11	55	3	9.50
EPA30050	5.0	6	13	57	3	9.50
EPA30060	6.0	6	13	57	3	9.50
EPA30080	8.0	10	19	69	3	12.07
EPA30090	9.0	10	19	69	3	14.31
EPA30100	10.0	10	22	72	3	14.31
EPA30120	12.0	12	26	83	3	15.53
EPA30140	14.0	12	26	83	3	18.63
EPA30160	16.0	16	32	92	3	24.88
EPA30200	20.0	20	32	104	3	31.64

Tank Power ... the performance benefits of carbide with the toughness and flexibility of HSSE



BRIGHT IDEAS!

Need to machine exotics like Inconel? Jet Power coated carbide is specifically recommended for stainless steel and all exotic materials. See pages 46 - 50.

can't find what you're looking for?

see our **index** at the back!



Centre Cutting End Mills

4 FLUTE, STANDARD LENGTH TiALN COATED POWDER METAL END MILL



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EP938010	1.0	6	3	49	4	8.91
EP938020	2.0	6	7	51	4	8.91
EP938030	3.0	6	8	52	4	8.91
EP938040	4.0	6	11	55	4	8.91
EP938050	5.0	6	13	57	4	8.91
EP938060	6.0	6	13	57	4	8.91
EP938080	8.0	10	19	69	4	12.05
EP938100	10.0	10	22	72	4	12.87
EP938120	12.0	12	26	83	4	15.13
EP938140	14.0	12	26	83	4	19.31
EP938160	16.0	16	32	92	4	23.89
EP938180	18.0	16	32	92	4	29.30
EP938200	20.0	20	38	104	4	28.62
EP938250	25.0	25	45	121	4	46.08

See page 8
for technical
guide to YG-1
Milling Cutters

4 FLUTE, LONG LENGTH TiALN COATED POWDER METAL END MILL



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EPA31060	6.0	6	24	68	4	10.06
EPA31080	8.0	10	38	88	4	14.44
EPA31100	10.0	10	45	95	4	14.57
EPA31120	12.0	12	53	110	4	19.27
EPA31140	14.0	12	53	110	4	24.98
EPA31160	16.0	16	63	123	4	26.63
EPA31180	18.0	16	63	123	4	38.99
EPA31200	20.0	20	75	141	4	44.26
EPA31250	25.0	25	90	166	4	68.05



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



- Tank Power milling cutters - the next generation of HSSE
- Coated powder metal milling cutters for unrelenting tool life, incredible feed rates and the toughness/flexibility of HSSE



Ball Nosed Slot Drills

2 FLUTE, STANDARD LENGTH
TiAlN COATED POWDER METAL
BALL NOSED SLOT DRILLS



EDP No. Flat	Rad	Mill Dia	Shank Dia	Length of Cut	Overall Length	2007 £
EP940010	R0.5	1.0	6	2.5	47	11.56
EP940020	R1.0	2.0	6	4	48	11.56
EP940030	R1.5	3.0	6	5	49	11.56
EP940040	R2.0	4.0	6	7	51	11.56
EP940050	R2.5	5.0	6	8	52	11.56
EP940060	R3.0	6.0	6	8	52	11.56
EP940080	R4.0	8.0	10	11	61	13.36
EP940100	R5.0	10.0	10	13	63	16.37
EP940120	R6.0	12.0	12	16	73	20.20
EP940160	R8.0	16.0	16	19	79	28.62
EP940200	R10.0	20.0	20	22	88	35.27

Fine Pitch Ripper Cutters

FINE PITCH STANDARD LENGTH
TiAlN COATED POWDER METAL RIPPERS



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EP941060	6.0	6	13	57	3	18.89
EP941070	7.0	10	16	66	3	20.53
EP941080	8.0	10	19	69	3	20.54
EP941100	10.0	10	22	72	4	25.54
EP941120	12.0	12	26	83	4	27.86
EP941140	14.0	12	26	83	4	35.12
EP941160	16.0	16	32	92	4	40.05
EP941180	18.0	16	32	92	4	41.24
EP941200	20.0	20	38	104	4	44.94
EP941250	25.0	25	45	121	5	70.64

FINE PITCH LONG LENGTH
TiAlN COATED POWDER METAL RIPPERS



EDP No. Flat	Mill Dia	Shank Dia	Length of Cut	Overall Length	No. of Flute	2007 £
EPA35060	6.0	6	24	68	3	16.58
EPA35080	8.0	10	38	88	3	23.26
EPA35100	10.0	10	45	95	4	30.49
EPA35120	12.0	12	53	110	4	37.26
EPA35140	14.0	12	53	110	4	49.29
EPA35160	16.0	16	63	123	4	53.66
EPA35200	20.0	20	75	141	4	72.80
EPA35250	25.0	25	90	166	5	106.15

Tank Power ... the performance benefits of carbide with the toughness and flexibility of HSSE

